

Metcom 7

RESIDENTIAL ROOFING

DETAIL LIST

		<u>Revision</u>	<u>Date</u>
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

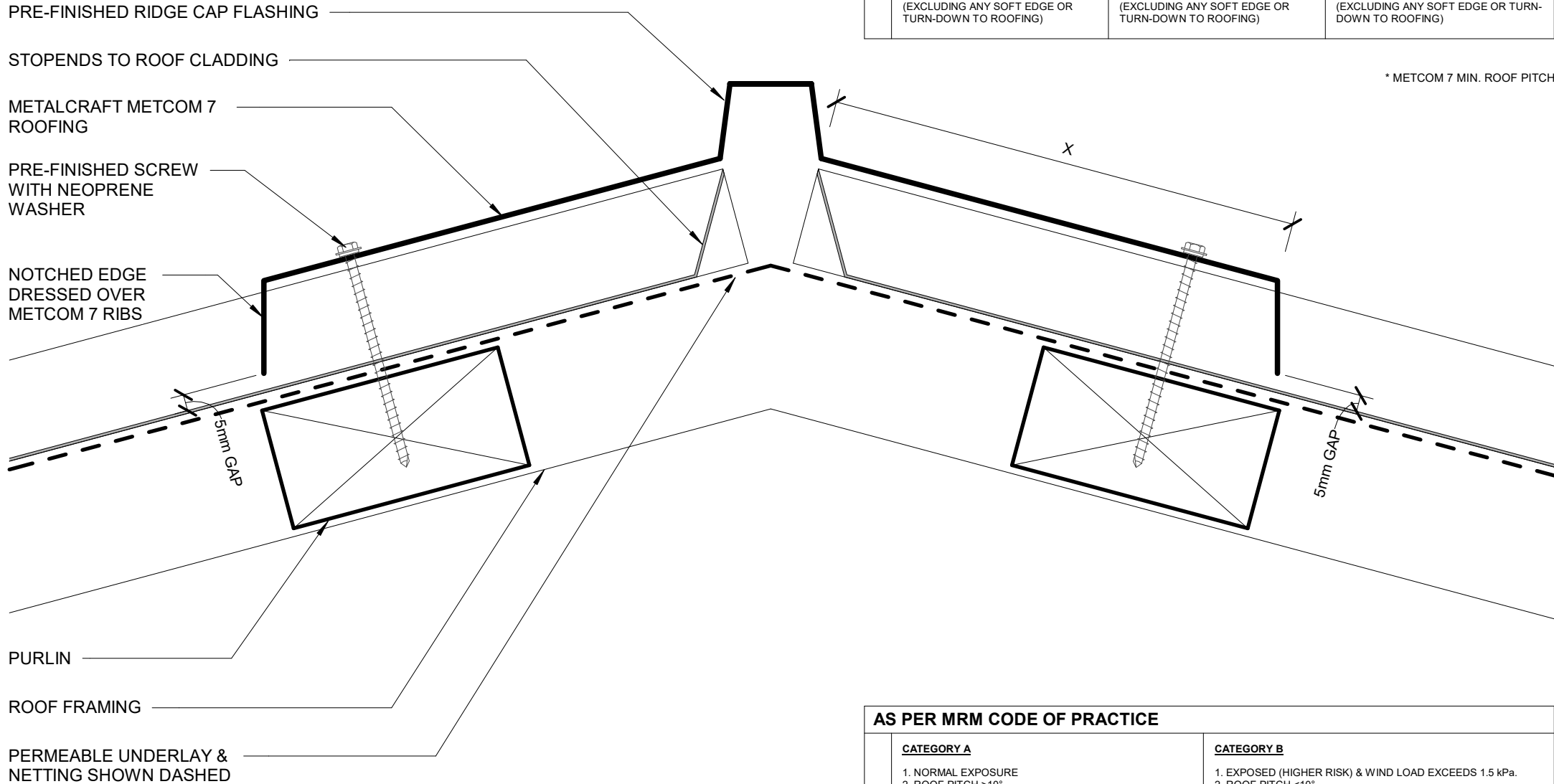
DETAIL LIST

		<u>Revision</u>	<u>Date</u>
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	PRARPET 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	3D OVER 85mm DIAMETER PIPE 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

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 & 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)

* METCOM 7 MIN. ROOF PITCH = 3°



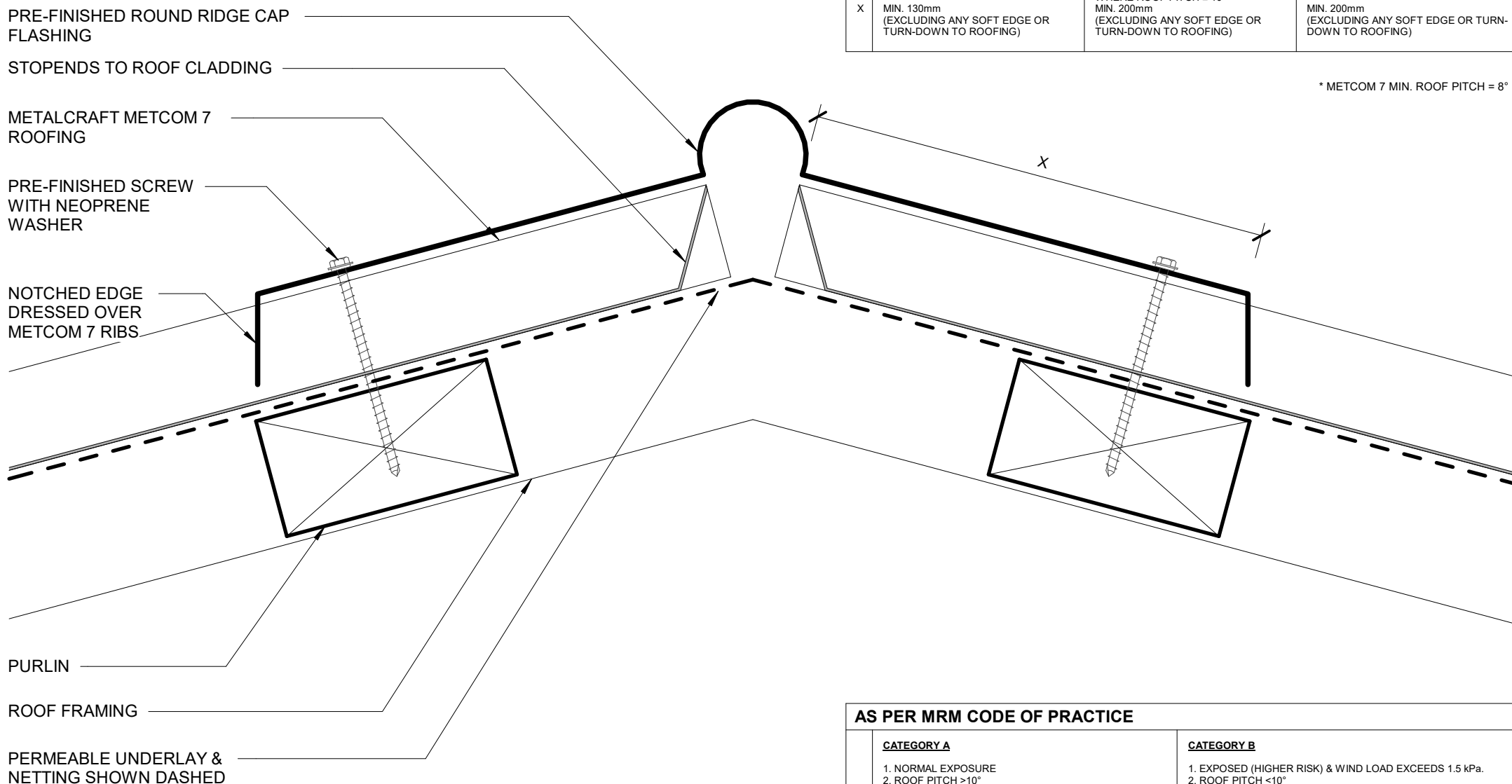
AS PER MRM CODE OF PRACTICE

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

AS PER E2/ASI

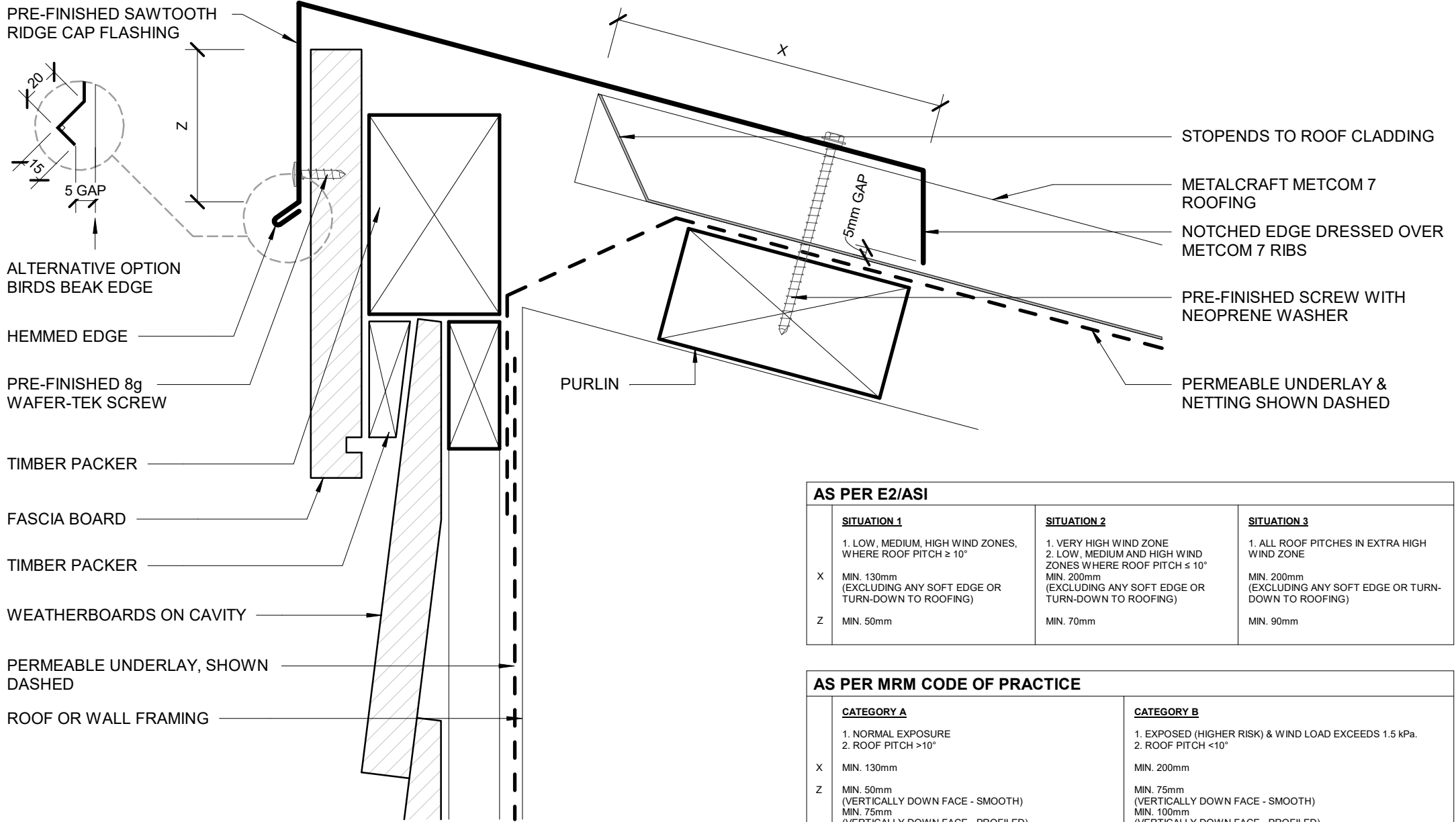
	<u>SITUATION 1</u>	<u>SITUATION 2</u>	<u>SITUATION 3</u>
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. VERY HIGH WIND ZONE 2. LOW, MEDIUM & HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE.
X	MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN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

* METCOM 7 MIN. ROOF PITCH = 8°



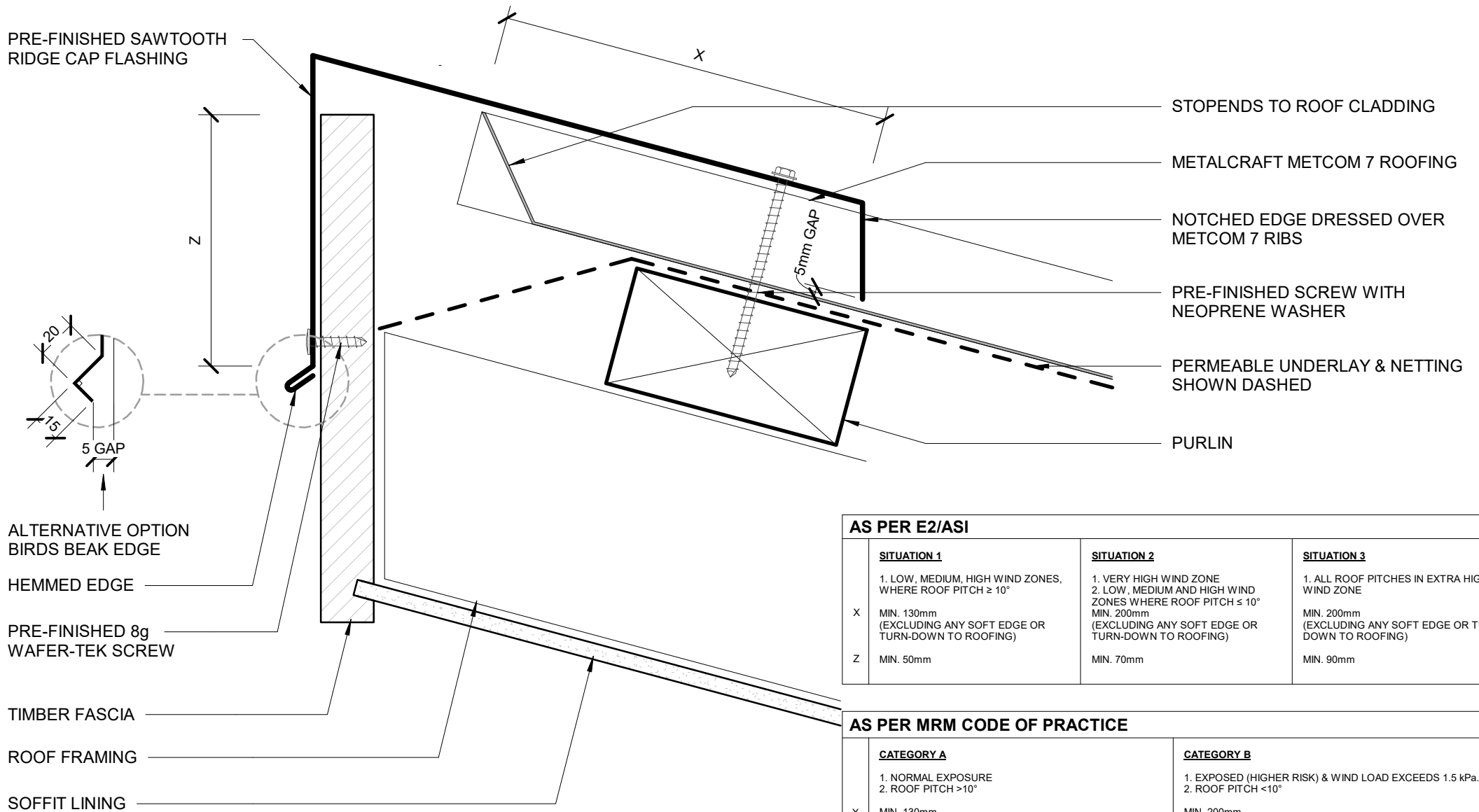
AS PER MRM CODE OF PRACTICE

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



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
	1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
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)



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

METALCRAFT METCOM 7
ROOFING

PRE-FINISHED SCREW
WITH NEOPRENE
WASHER

REFER TO NZ METAL ROOF & WALL CLADDING
CODE OF PRACTICE V3.0 FOR MINIMUM
DIMENSIONS

ROOF
FRAMING

PURLIN

VALLEY BOARD

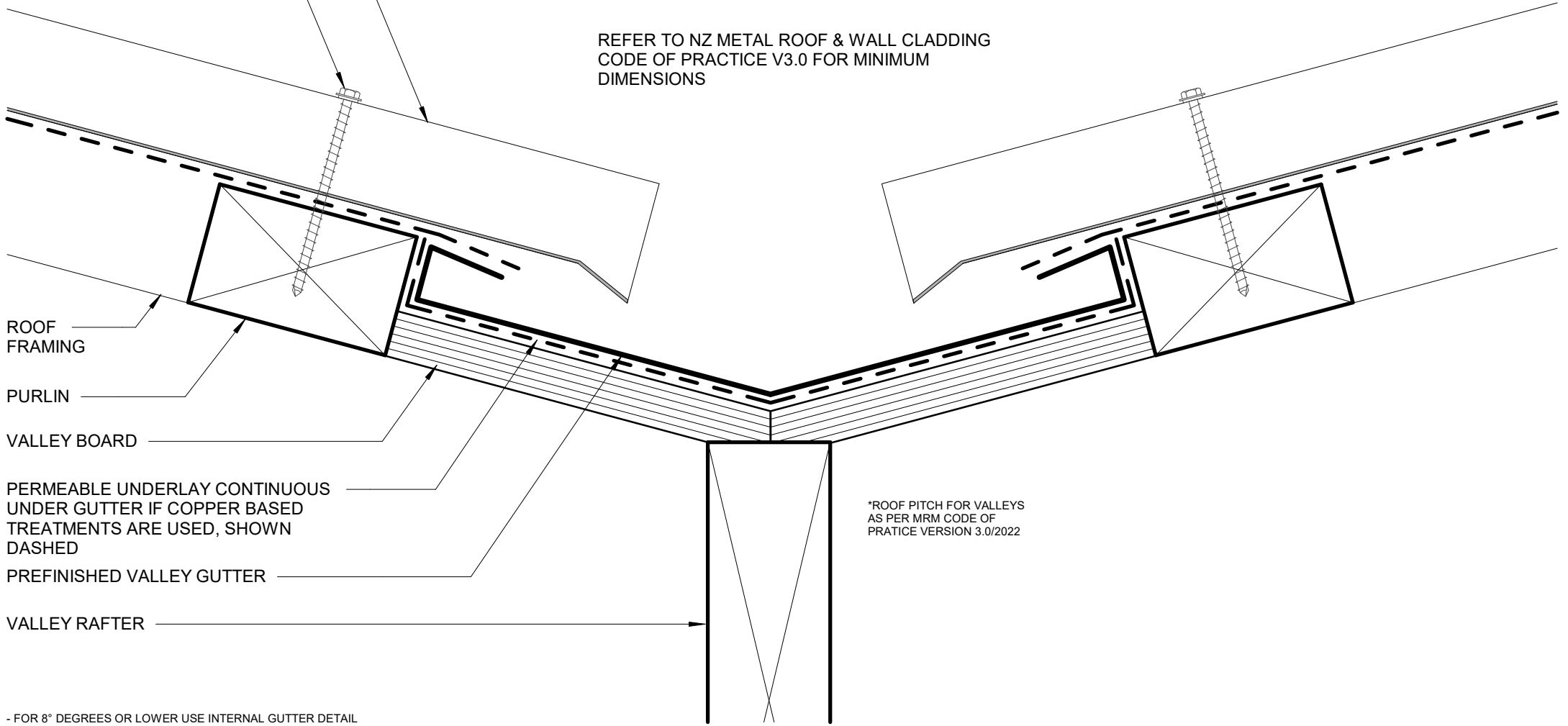
PERMEABLE UNDERLAY CONTINUOUS
UNDER GUTTER IF COPPER BASED
TREATMENTS ARE USED, SHOWN
DASHED

PREFINISHED VALLEY GUTTER

VALLEY RAFTER

*ROOF PITCH FOR VALLEYS
AS PER MRM CODE OF
PRACTICE VERSION 3.0/2022

- FOR 8° DEGREES OR LOWER USE INTERNAL GUTTER DETAIL



METALCRAFT METCOM 7
ROOFING

PRE-FINISHED SCREW
WITH NEOPRENE WASHER

REFER TO NZ METAL ROOF & WALL CLADDING
CODE OF PRACTICE V3.0 FOR MINIMUM
DIMENSIONS

ROOF
FRAMING

PURLIN

VALLEY BOARD

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

PREFINISHED VALLEY GUTTER

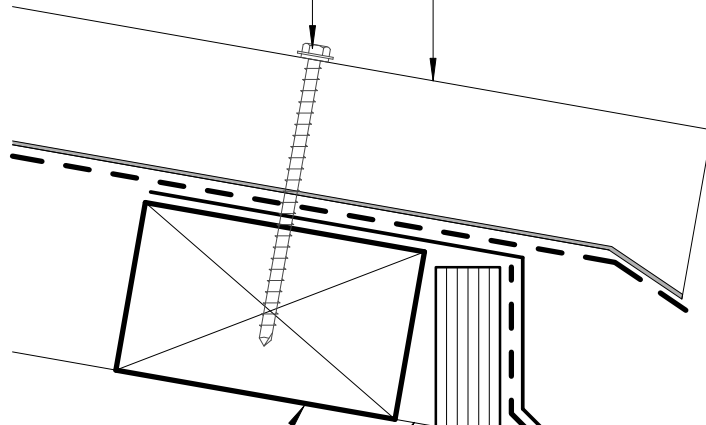
VALLEY RAFTER

*ROOF PITCH FOR VALLEYS AS
PER MRM CODE OF PRACTICE
VERSION 3.0/2022

- FOR 8° DEGREES OR LOWER USE INTERNAL GUTTER DETAIL

METALCRAFT METCOM 7
ROOFING

PRE-FINISHED SELF
DRILLING/TAPPING
SCREW WITH
NEOPRENE WASHER



PURLIN

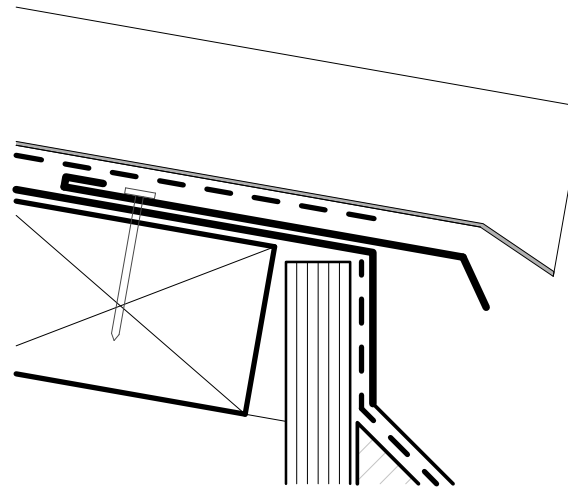
ROOF FRAMING

TIMBER FILLET

GUTTER BOARD

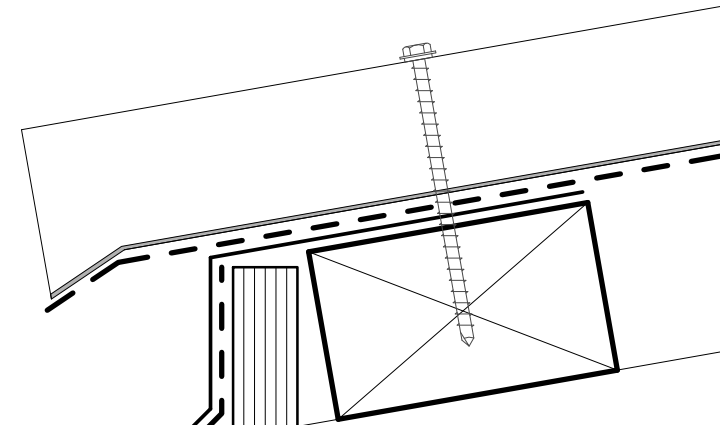
PERMEABLE UNDERLAY CONTINUOUS
UNDER GUTTER IF COPPER BASED
TREATMENTS ARE USED, SHOWN
DASHED

PREFINISHED INTERNAL GUTTER

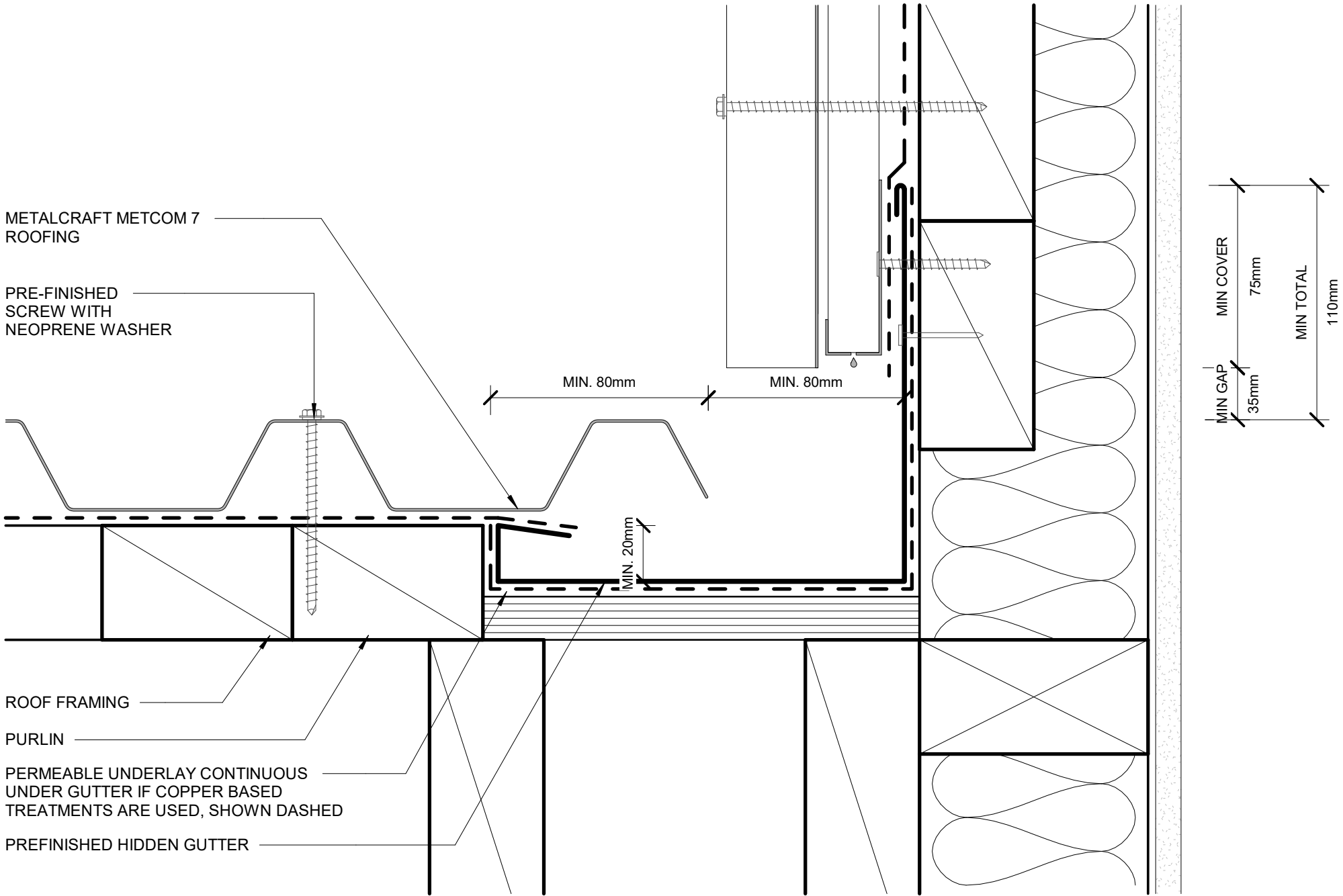


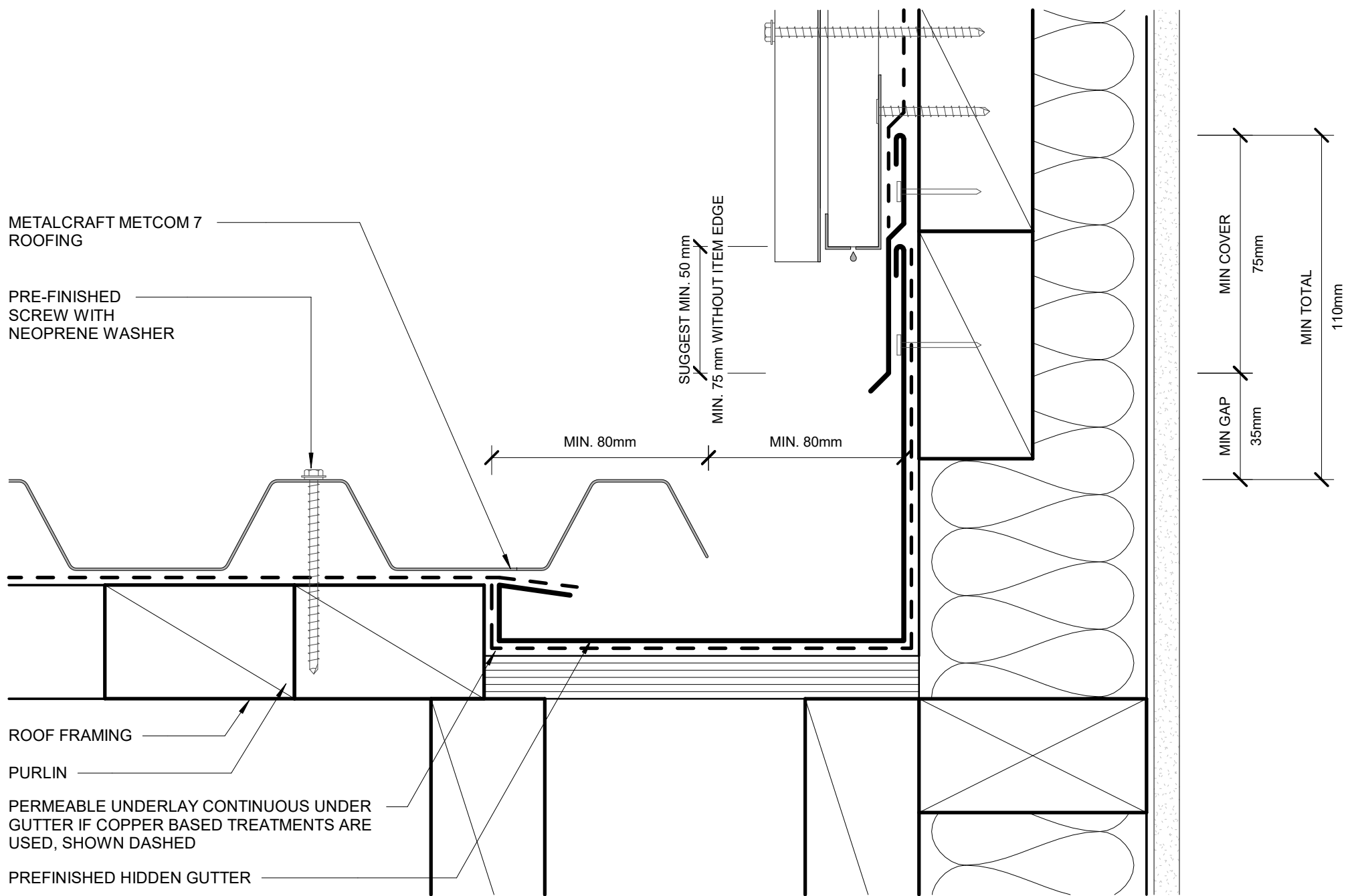
GUTTER EAVES FLASHING
RECOMMENDED AS SEPERATION
BETWEEN BUTYNOL

REFER TO NZ METAL ROOF &
WALL CLADDING CODE OF
PRACTICE V3.0 FOR MINIMUM
DIMENSIONS

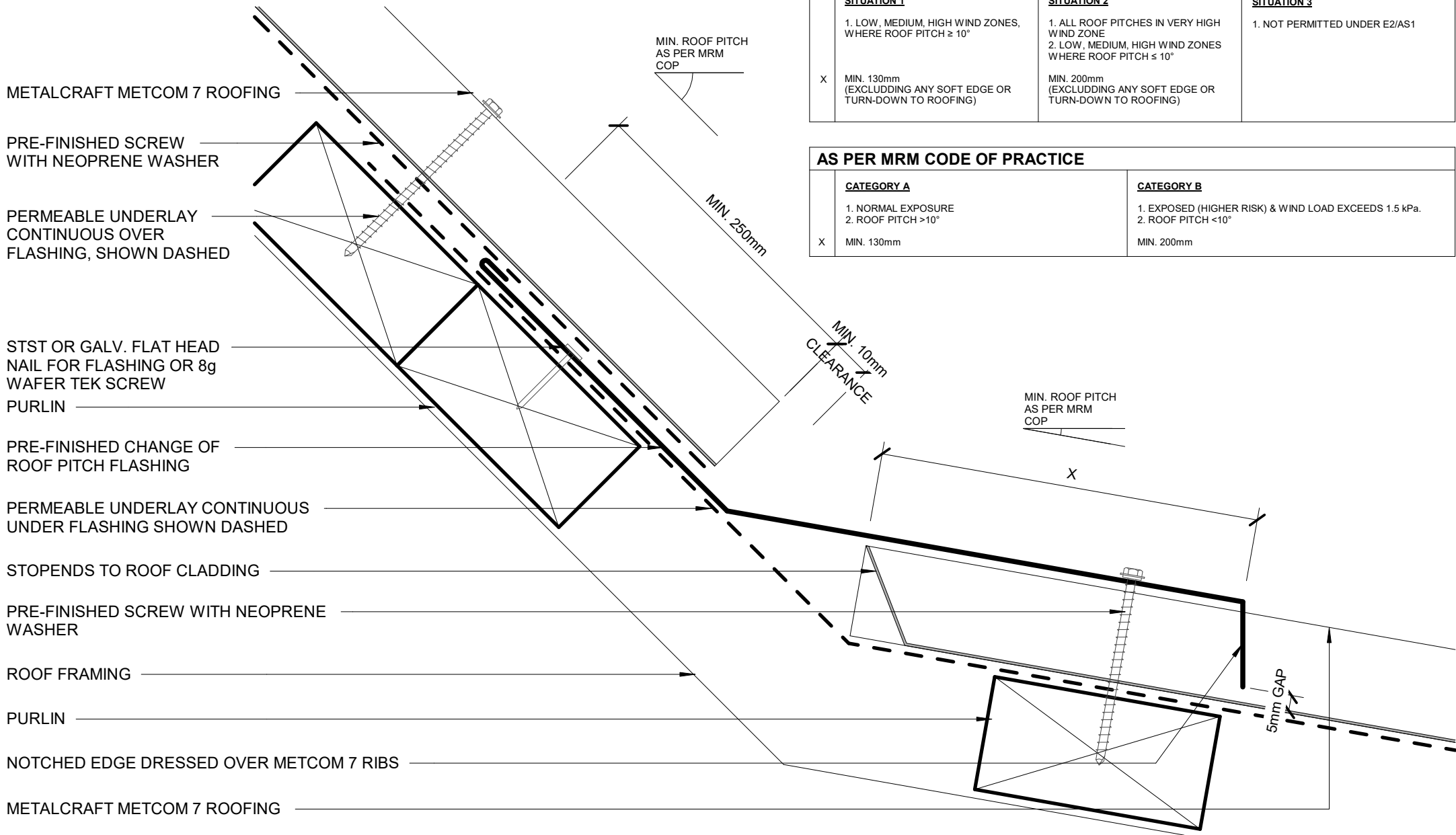


VALLEY RAFTER





PARALLEL HIDDEN GUTTER (2 PART FLASHING)



AS PER E2/AS1			
	SITUATION 1 1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	SITUATION 2 1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	SITUATION 3 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 1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	CATEGORY B 1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
X	MIN. 130mm
	MIN. 200mm

METALCRAFT
METCOM 7 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

METALCRAFT METCOM 7 ROOFING

MIN. ROOF PITCH
AS PER MRM
COP

250mm MIN

50mm MIN

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

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

10° UN-BAFFLED BY SPOUTING
 $10^\circ - 35^\circ = 50\text{M mm}$
 $>35^\circ = 40\text{ mm}$

MIN. ROOF PITCH AS PER MRM COP

FOAM CLOSURE USED AS REQUIRED

METALCRAFT METCOM 7 ROOFING

PERMEABLE UNDERLAY & NETTING SHOWN DASHED

METALLINE™ QUAD GUTTER

METALLINE™ QUAD GUTTER OVERSTRAP

SPRING CLIP

METALLINE™ FASCIA

FASCIA BRACKET

MIN. 125 mm

MIN. 35mm OVERLAP

PRE-FINISHED SCREW WITH NEOPRENE WASHER

PRE-FINISHED EAVE FLASHING

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

TIMBER PURLIN

TIMBER ROOF FRAMING

SOFFIT LINING

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

10° UN-BAFFLED BY SPOUTING
 10° - 35° = 50 mm
 >35° = 40 mm

MIN. ROOF PITCH AS PER MRM COP

FOAM CLOSURE USED AS REQUIRED

METALCRAFT METCOM 7 ROOFING

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

SNOW STRAP AS REQUIRED

METALLINE™ QUAD GUTTER

METALLINE™ QUAD GUTTER INTERNAL BRACKET

PRE-FINISHED 8g WAFER-TEK SCREW

TIMBER FASCIA

MIN. 125 mm

MIN. 35mm OVERLAP

PRE-FINISHED SCREW WITH NEOPRENE WASHER
 PRE-FINISHED EAVE FLASHING

PERMEABLE UNDERLAY & NETTING SHOWN DASHED

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

TIMBER PURLIN

TIMBER ROOF FRAMING

SOFFIT LINING

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

<10° UN-BAFFLED BY SPOUTING
 10° - 35° = 50 mm
 >35° = 40 mm

MIN. ROOF PITCH AS PER MRM COP

FOAM CLOSURE USED AS REQUIRED

METALCRAFT METCOM 7 ROOFING

PERMEABLE UNDERLAY & NETTING SHOWN DASHED

QUARTER ROUND GUTTER

QUARTER ROUND GUTTER INTERNAL BRACKET

PRE-FINISHED 8g WAFER-TEK SCREW

FASCIA BOARD

TIMBER PACKER

WEATHERBOARDS ON CAVITY

MIN. 125 mm

MIN. 35mm OVERLAP

PRE-FINISHED SCREW WITH NEOPRENE WASHER

PRE-FINISHED EAVE FLASHING

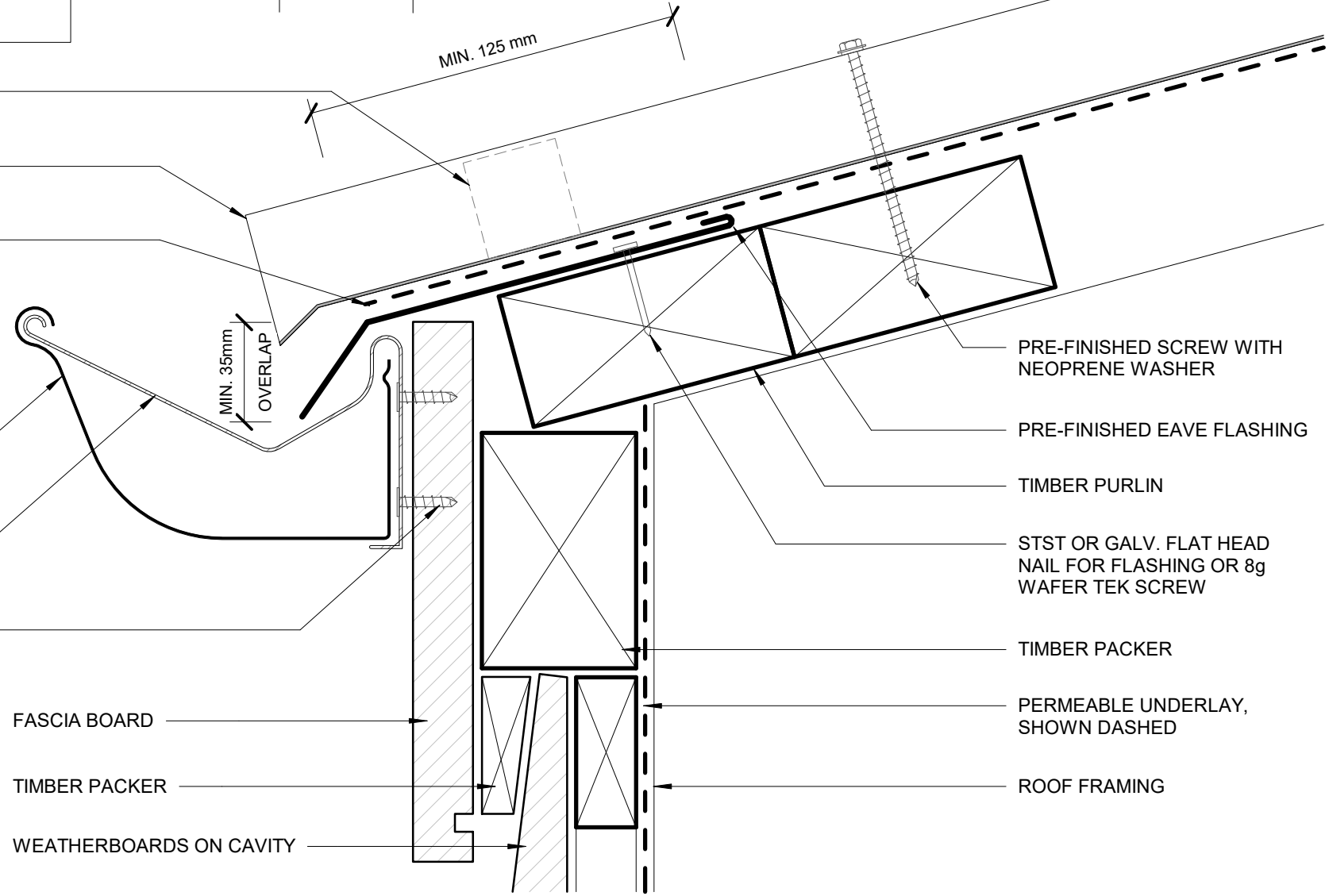
TIMBER PURLIN

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

TIMBER PACKER

PERMEABLE UNDERLAY, SHOWN DASHED

ROOF FRAMING



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

$<10^\circ$ UN-BAFFLED BY SPOUTING
 $10^\circ - 35^\circ = 50\text{ mm}$
 $>35^\circ = 40\text{ mm}$

MIN. ROOF PITCH AS PER MRM COP

FOAM CLOSURE USED AS REQUIRED

METALCRAFT METCOM 7 ROOFING

PERMEABLE UNDERLAY & NETTING SHOWN DASHED

QUARTER ROUND GUTTER

QUARTER ROUND GUTTER EXTERNAL BRACKET

PRE-FINISHED 8g WAFER-TEK SCREW

FASCIA BOARD

TIMBER PACKER

WEATHERBOARDS ON CAVITY

MIN. 125 mm

MIN. 35mm OVERLAP

PRE-FINISHED SCREW WITH NEOPRENE WASHER

PRE-FINISHED EAVE FLASHING

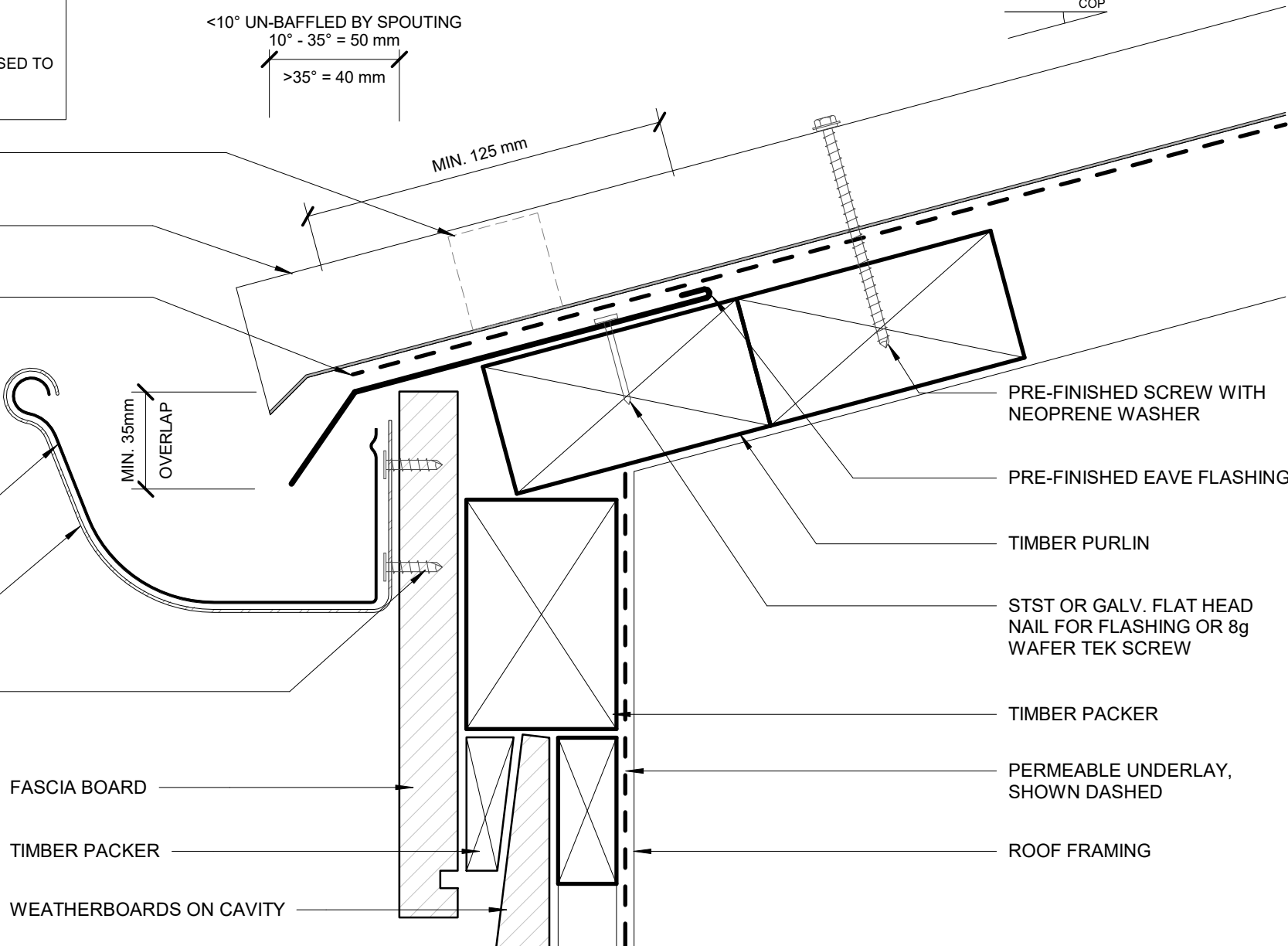
TIMBER PURLIN

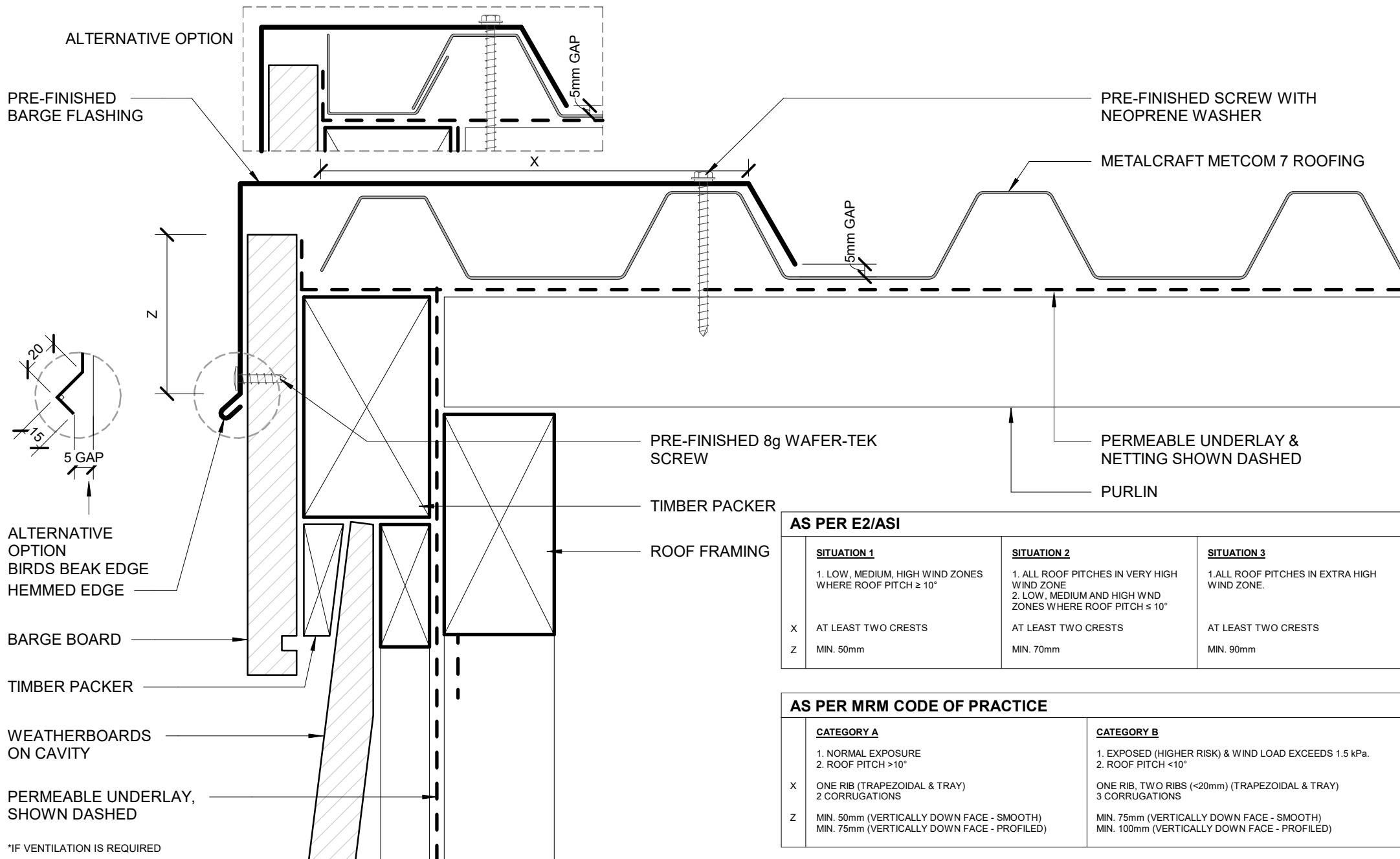
STST OR GALV. FLAT HEAD NAIL FOR FLASHING OR 8g WAFER TEK SCREW

TIMBER PACKER

PERMEABLE UNDERLAY, SHOWN DASHED

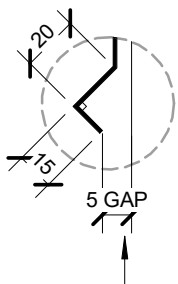
ROOF FRAMING





ALTERNATIVE OPTION

PRE-FINISHED 8g
WAFFER-TEK SCREW

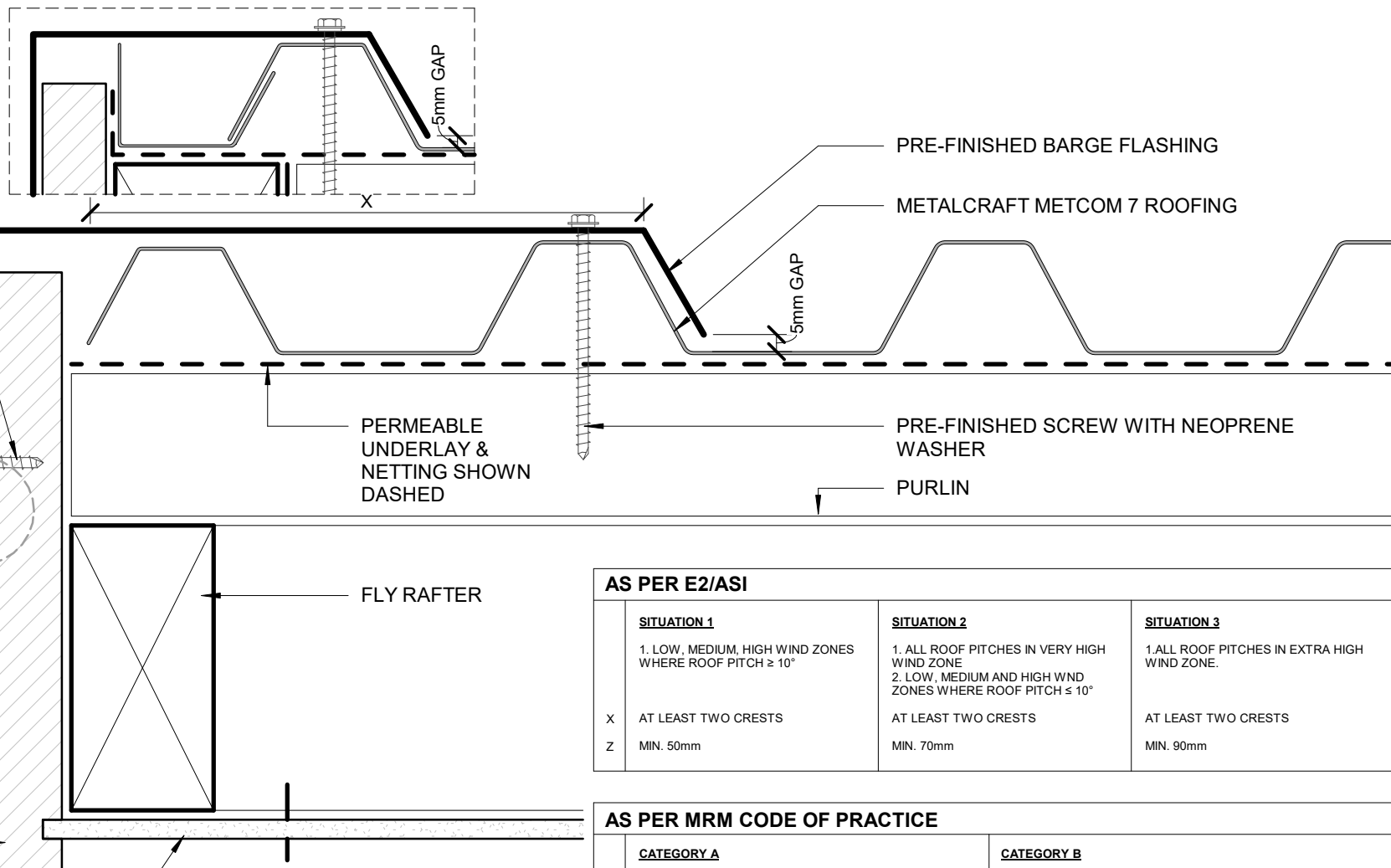


ALTERNATIVE
OPTION
BIRDS BEAK EDGE

HEMMED EDGE

BARGE BOARD

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
	1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
X	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS	ONE RIB, TWO RIBS ($<20\text{mm}$) (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

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.

Metcom 7

Rev. 1.0

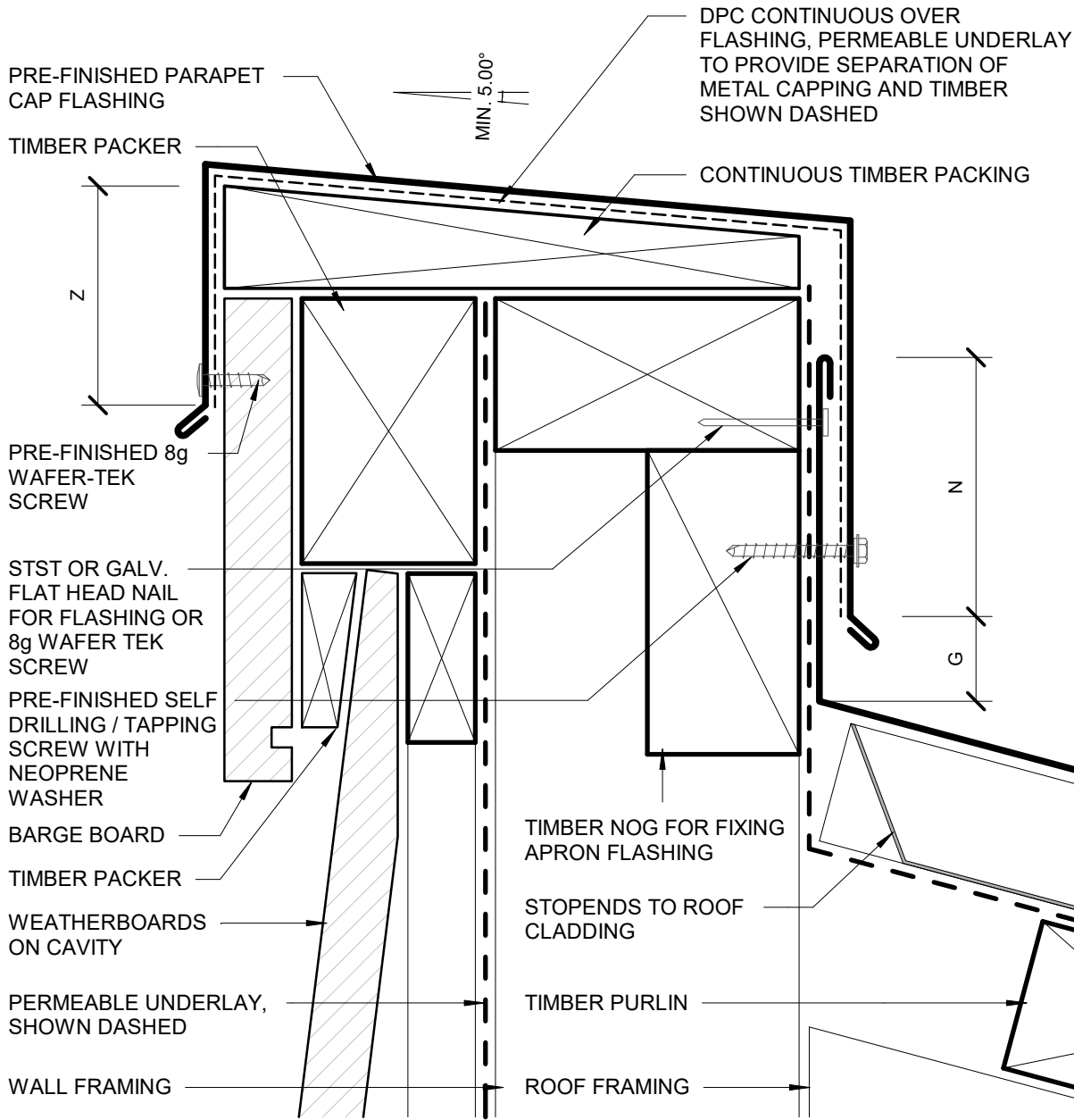
Reference RRM C7

Date JAN 2023

BARGE OVERHANG
RESIDENTIAL ROOFING

Scale 1 : 2

Sheet **A 17 / 29**



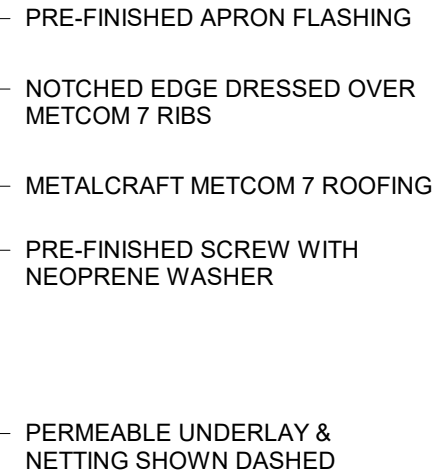
AS PER E2/ASI

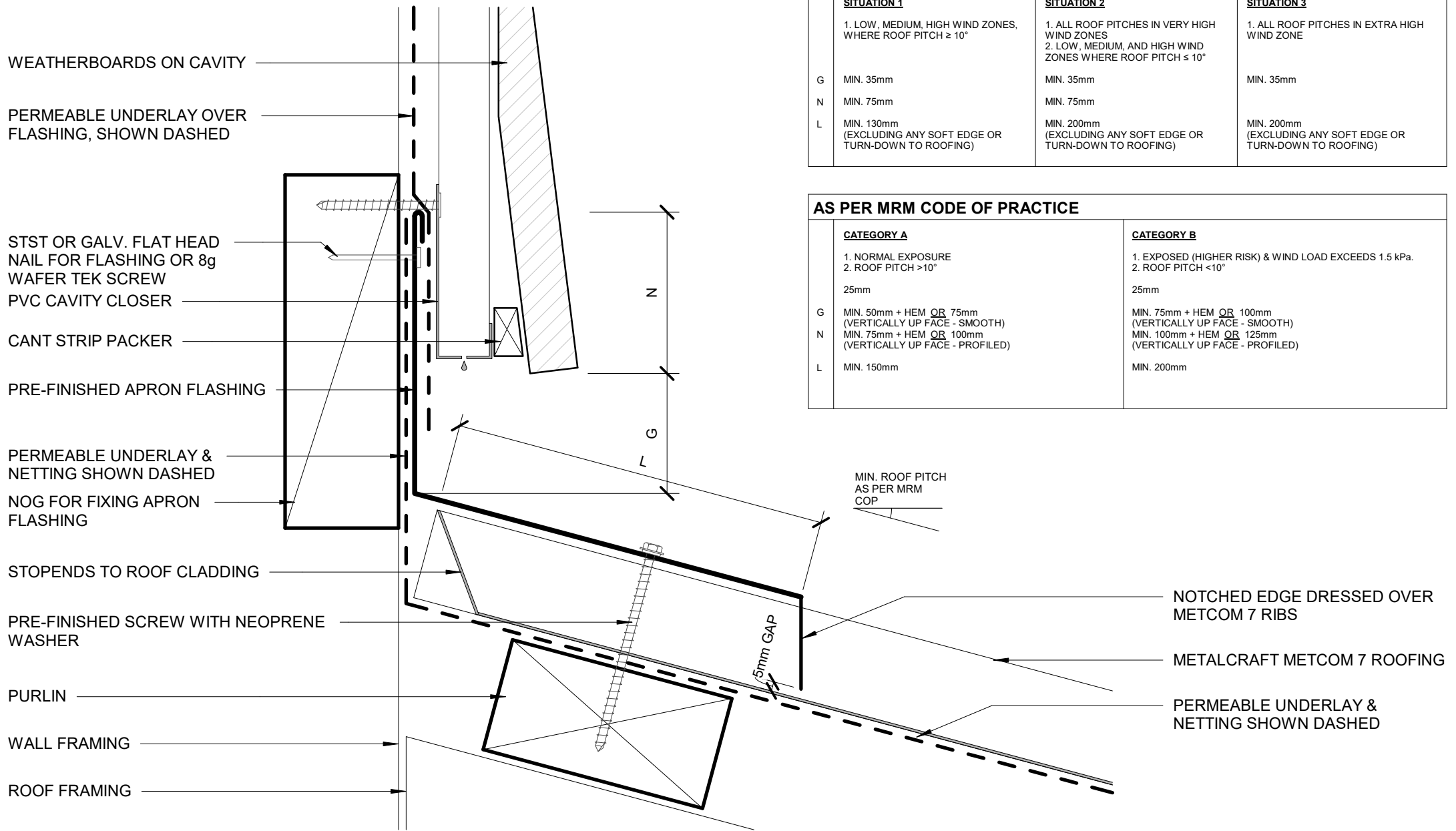
	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH WIND ZONES WHERE ROOF PITCHES $\leq 10^\circ$	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE
G	MIN. 35mm	MIN. 35mm	MIN. 35mm
N	MIN. 75mm	MIN. 75mm	MIN. 75mm
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
	1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
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)

MIN. ROOF PITCH AS PER MRM COP



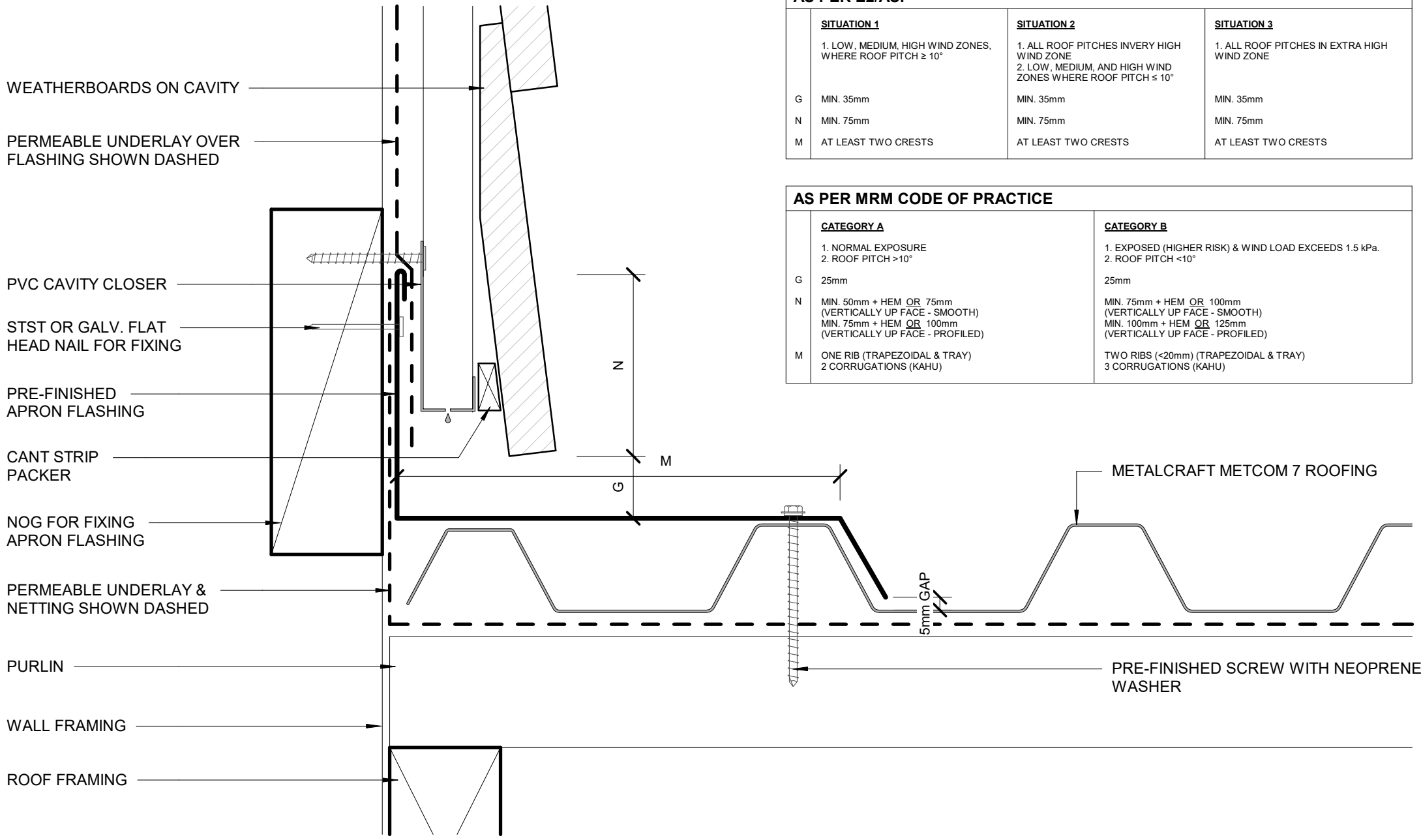


AS PER E2/ASI

	<u>SITUATION 1</u>	<u>SITUATION 2</u>	<u>SITUATION 3</u>
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. 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	
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

	<u>CATEGORY A</u>	<u>CATEGORY B</u>
	1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
	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

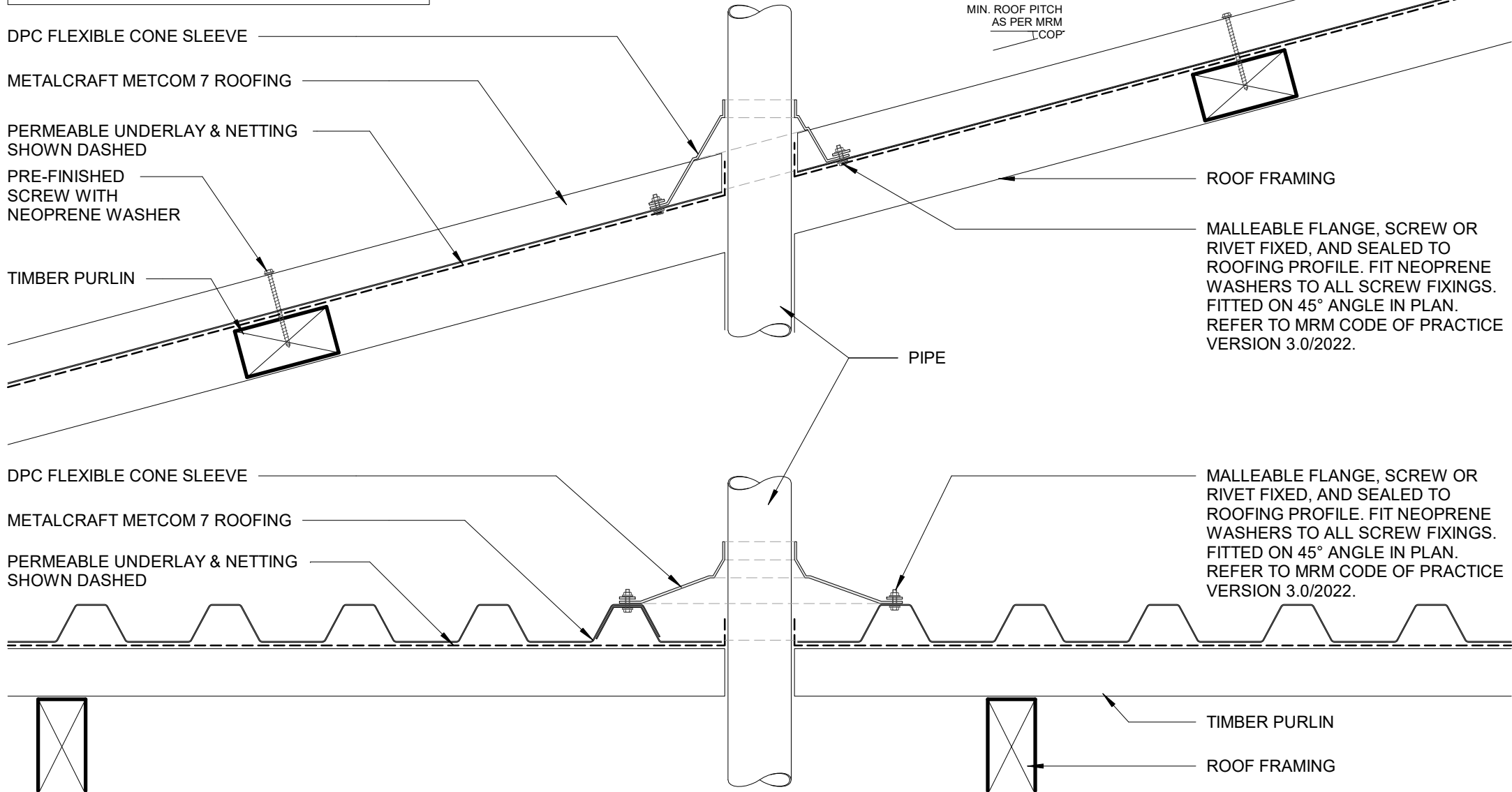


AS PER E2/ASI			
	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, AND HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE
G	MIN. 35mm	MIN. 35mm	MIN. 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
	1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
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 (<20 mm) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS (KAHU)

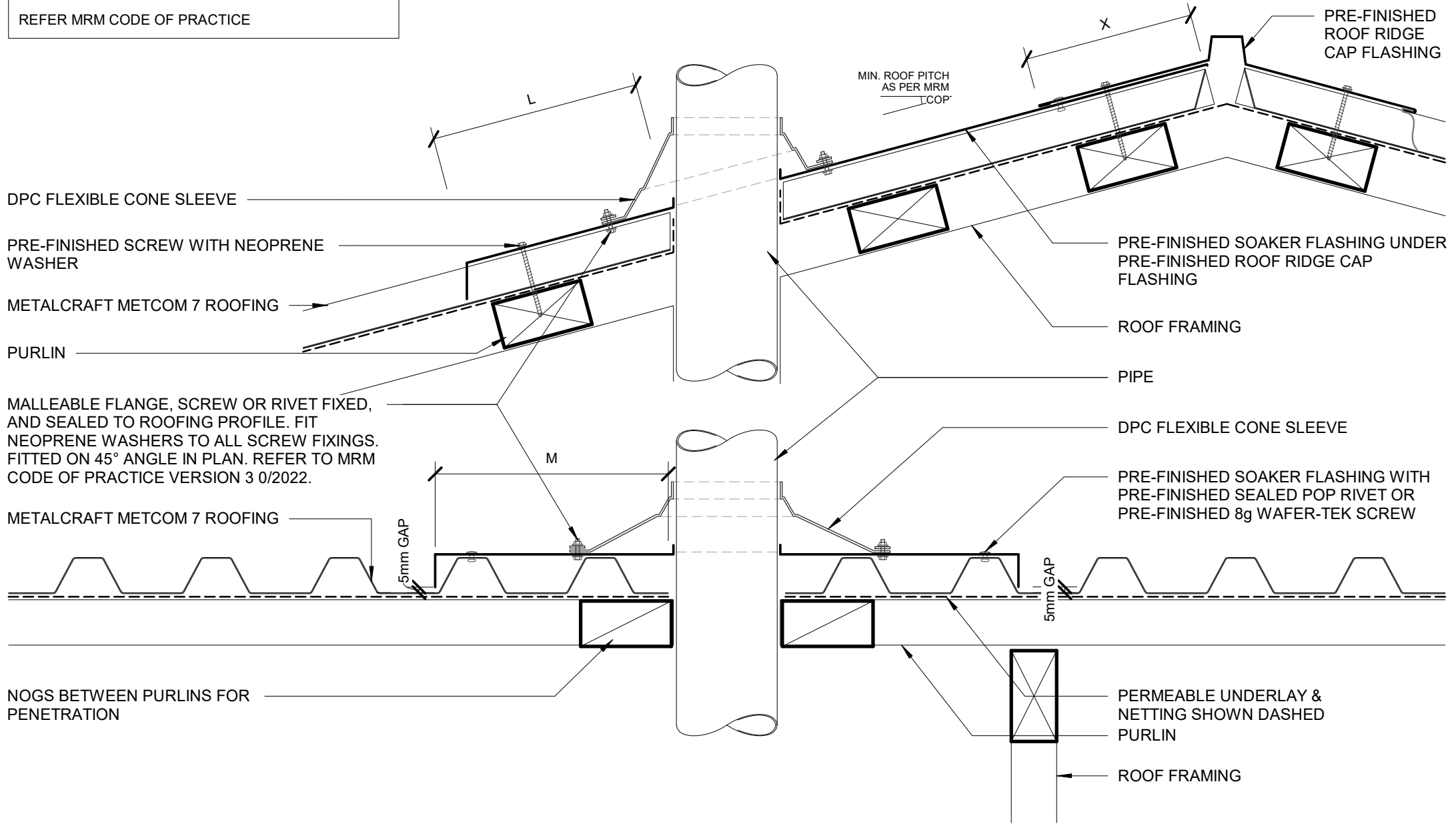
* MIN. 10° FOR PIPE PENETRATION. DIRECT FIX BOOT FLASHING IS APPLICABLE FOR WHEN LESS THAN 50% BLOCKAGE OCCURS. WHEN EXCEEDING 50% BLOCKAGE, REFER TO BACK TRAY BOOT FLASHING

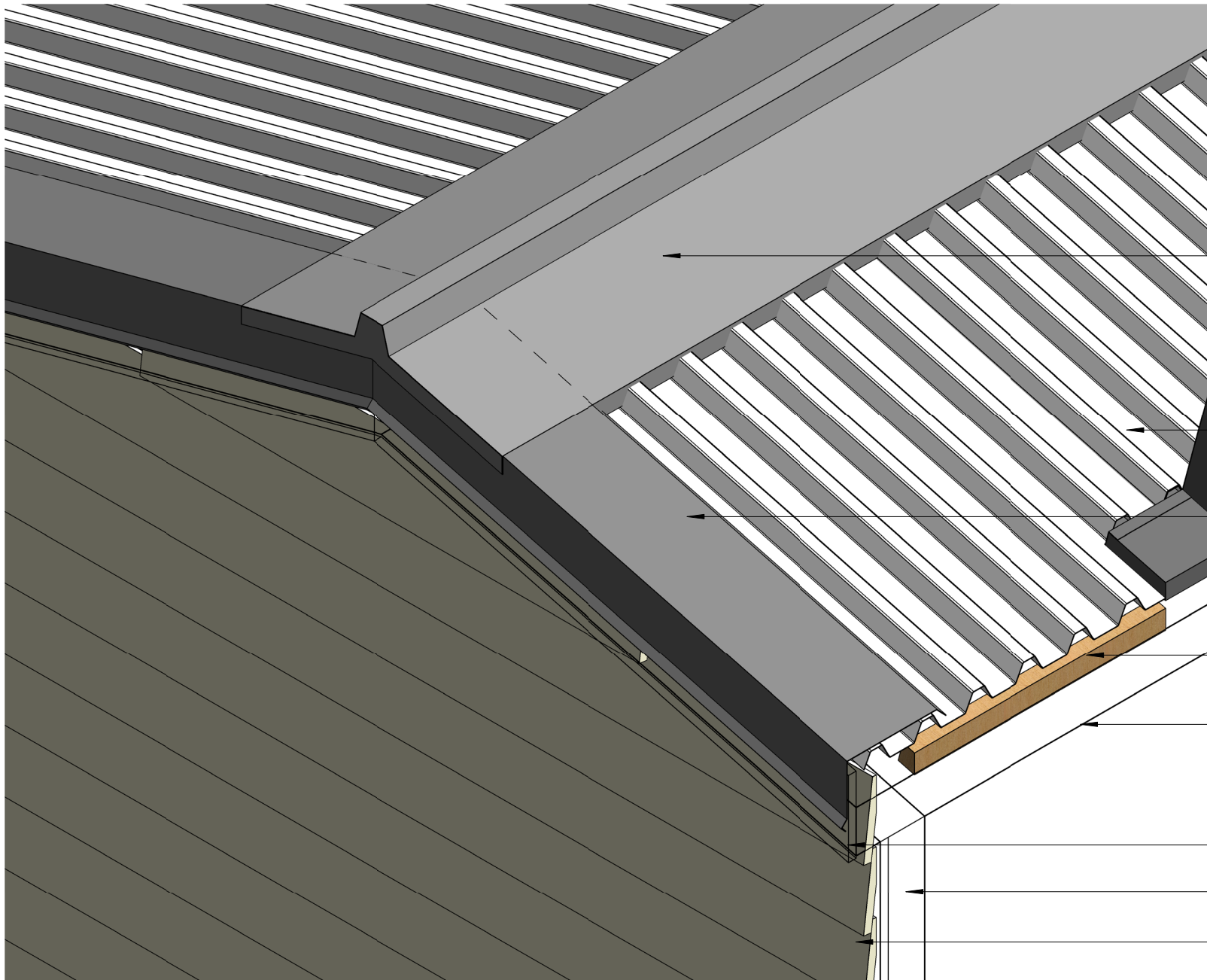
REFER MRM CODE OF PRACTICE



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

REFER MRM CODE OF PRACTICE





* PLEASE REFER TO MRM CODE OF PRACTICE VERSION 3.0/2022 AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHING FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

- PRE-FINISHED RIDGE CAP FLASHING
- METALCRAFT METCOM 7
- PRE-FINISHED BARGE FLASHING
- PURLIN
- ROOF FRAMING
- FASCIA BOARD
- WALL FRAMING
- WALL CLADDING ON CAVITY

3D RIDGE TO BARGE JUNCTION
RESIDENTIAL ROOFING

PRE-FINISHED BARGE FLASHING

PRE-FINISHED HIP FLASHING

PRE-FINISHED APRON FLASHING

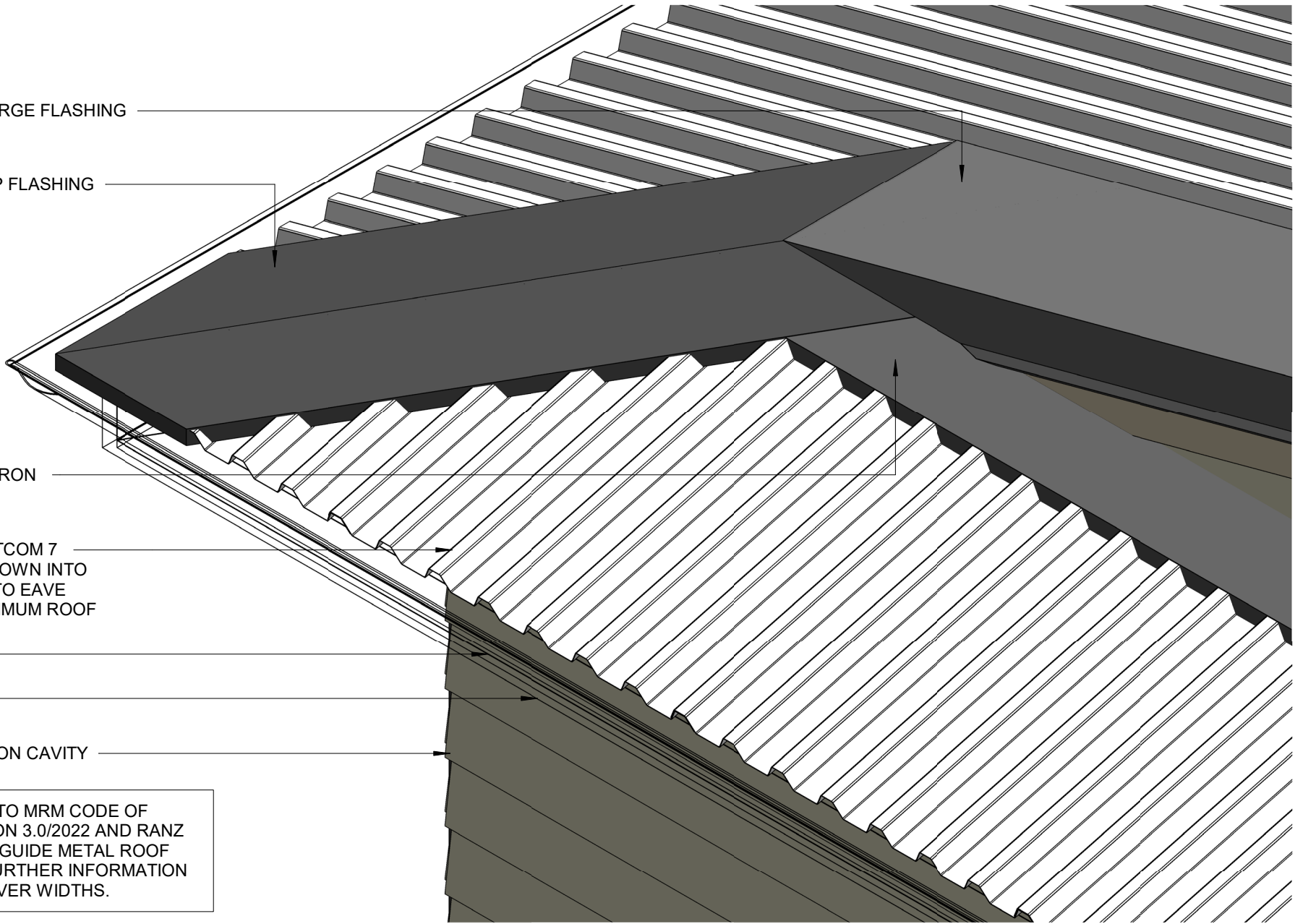
METALCRAFT METCOM 7
ROOFING TURN DOWN INTO
GUTTER. REFER TO EAVE
DETAILS FOR MINIMUM ROOF
OVERHANG

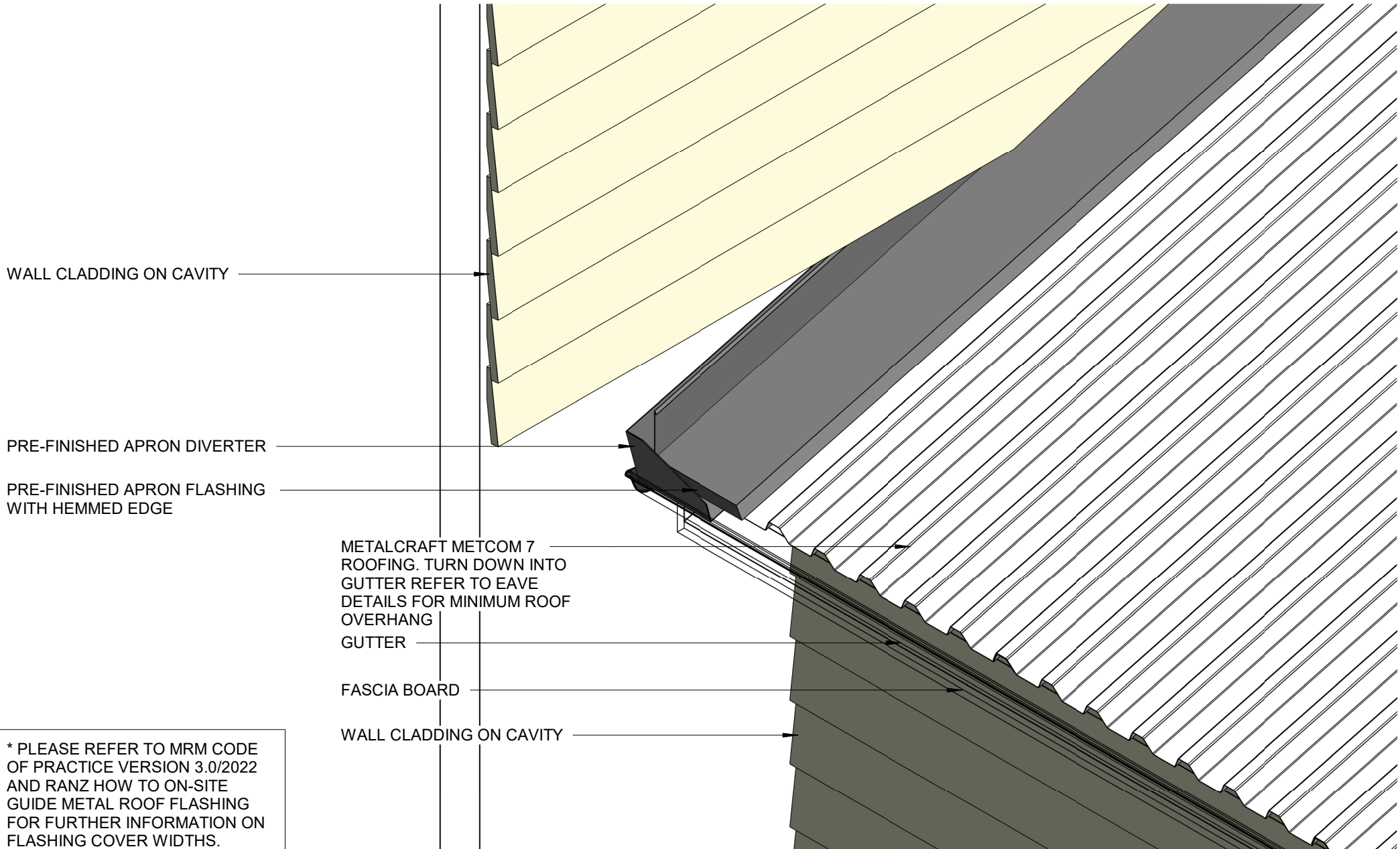
GUTTER

FASCIA BOARD

WALL CLADDING ON CAVITY

* PLEASE REFER TO MRM CODE OF PRACTICE VERSION 3.0/2022 AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHING FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.





WALL CLADDING ON CAVITY

PRE-FINISHED APRON DIVERTER

PRE-FINISHED APRON FLASHING WITH HEMMED EDGE

METALCRAFT METCOM 7 ROOFING. TURN DOWN INTO GUTTER REFER TO EAVE DETAILS FOR MINIMUM ROOF OVERHANG

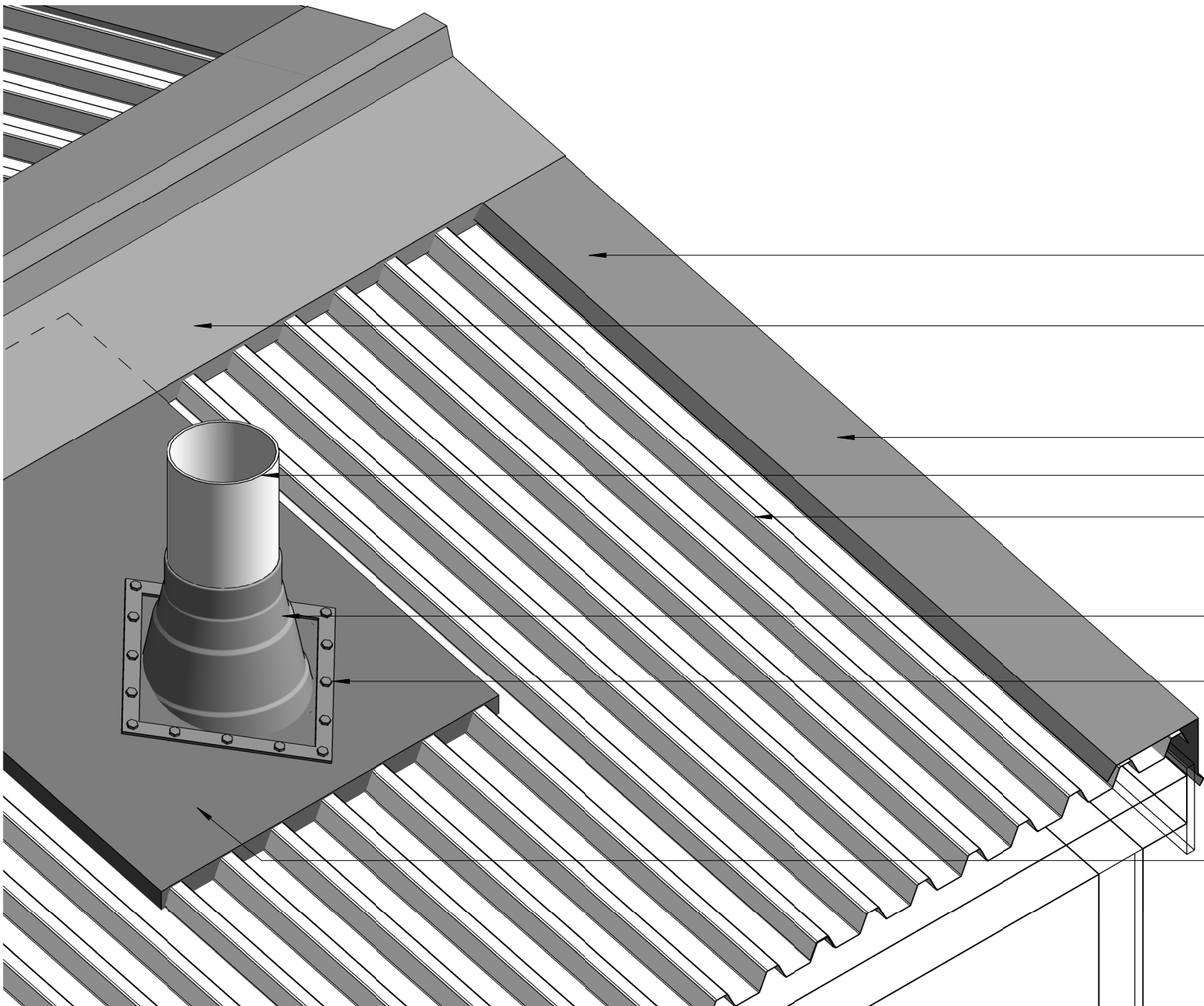
GUTTER

FASCIA BOARD

WALL CLADDING ON CAVITY

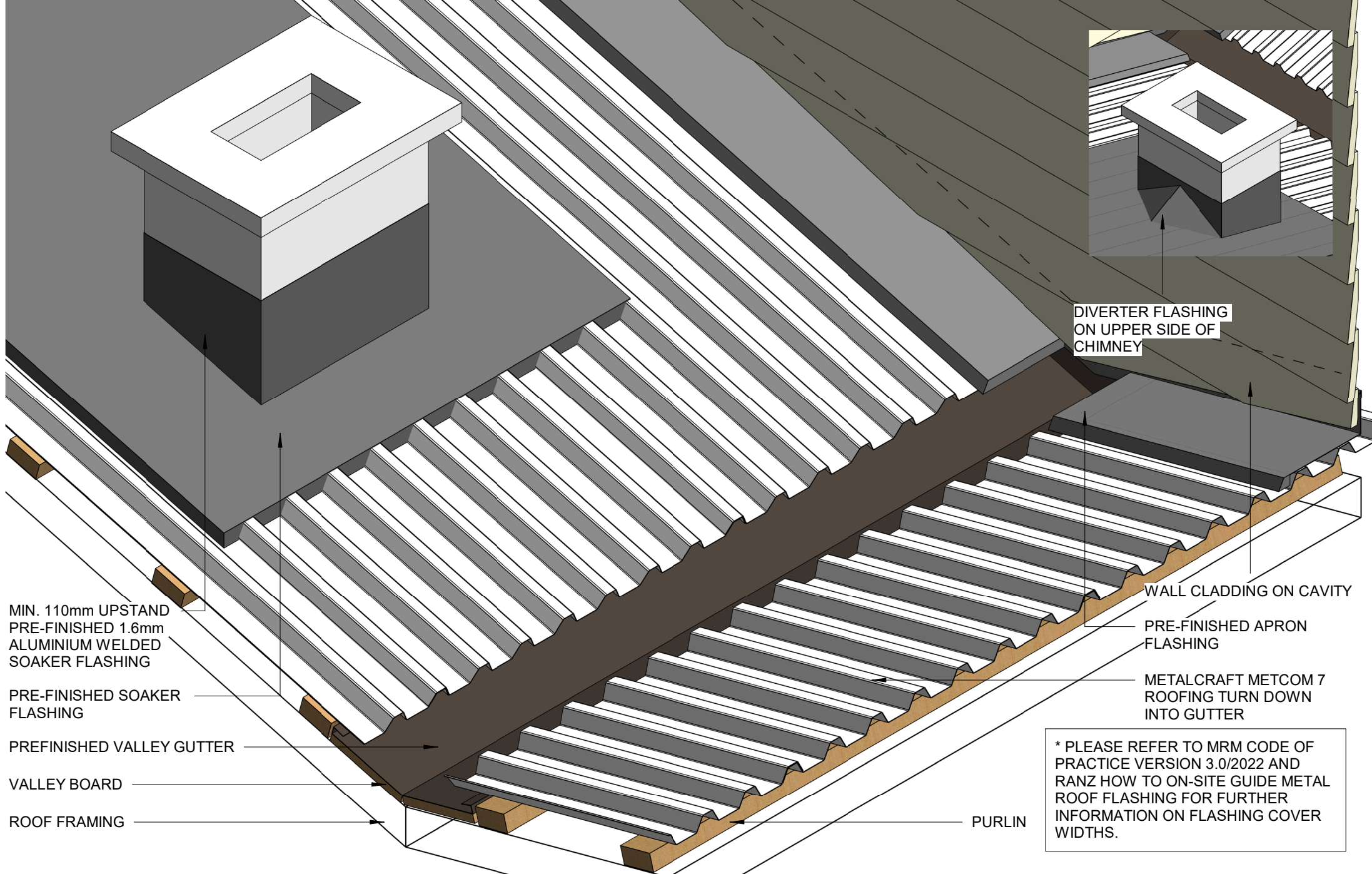
* PLEASE REFER TO MRM CODE OF PRACTICE VERSION 3.0/2022 AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHING FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

* PLEASE REFER TO MRM CODE OF PRACTICE VERSION 3.0/2022 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 (DIAMETER OVER 85mm)
- METALCRAFT METCOM 7 ROOFING
- DPC FLEXIBLE CONE SLEEVE
- MALLEABLE FLANGE, SCREW OR RIVET FIXED, AND SEALED TO ROOFING PROFILE. FIT NEOPRENE WASHERS TO ALL SCREW FIXINGS. FITTED ON 45° ANGLE IN PLAN. REFER TO MRM CODE OF PRACTICE VERSION 3.0/2022
- PRE-FINISHED SOAKER FLASHING

3D OVER 85mm DIAMETER PIPE PENETRATION



MIN. 110mm UPSTAND
PRE-FINISHED 1.6mm
ALUMINIUM WELDED
SOAKER FLASHING

PRE-FINISHED SOAKER
FLASHING

PREFINISHED VALLEY GUTTER

VALLEY BOARD

ROOF FRAMING

DIVERTER FLASHING
ON UPPER SIDE OF
CHIMNEY

WALL CLADDING ON CAVITY

PRE-FINISHED APRON
FLASHING

METALCRAFT METCOM 7
ROOFING TURN DOWN
INTO GUTTER

PURLIN

* PLEASE REFER TO MRM CODE OF PRACTICE VERSION 3.0/2022 AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHING FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

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.

Metcom 7

Rev. 1.0

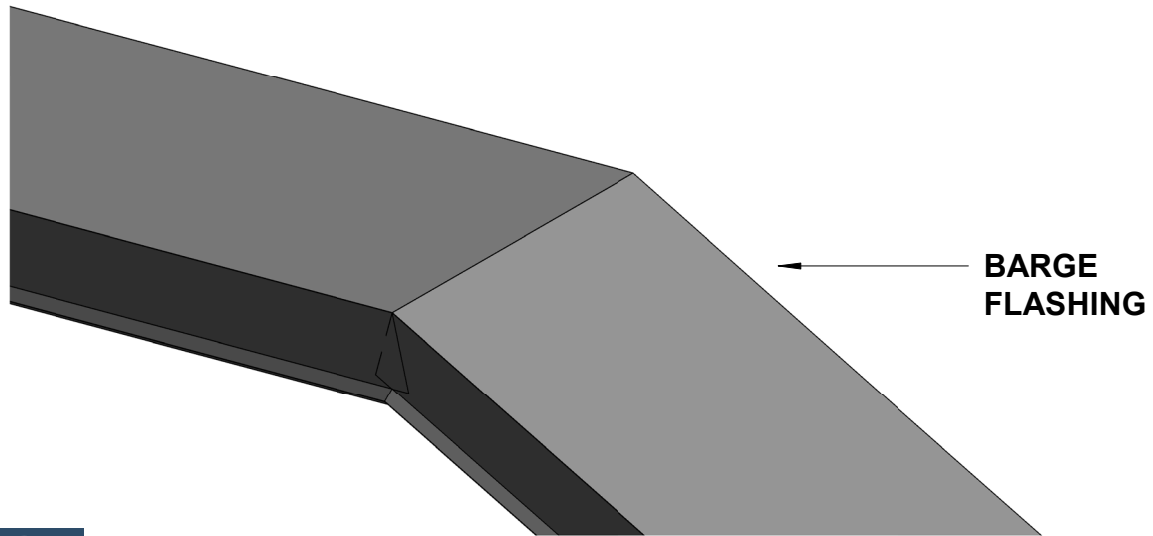
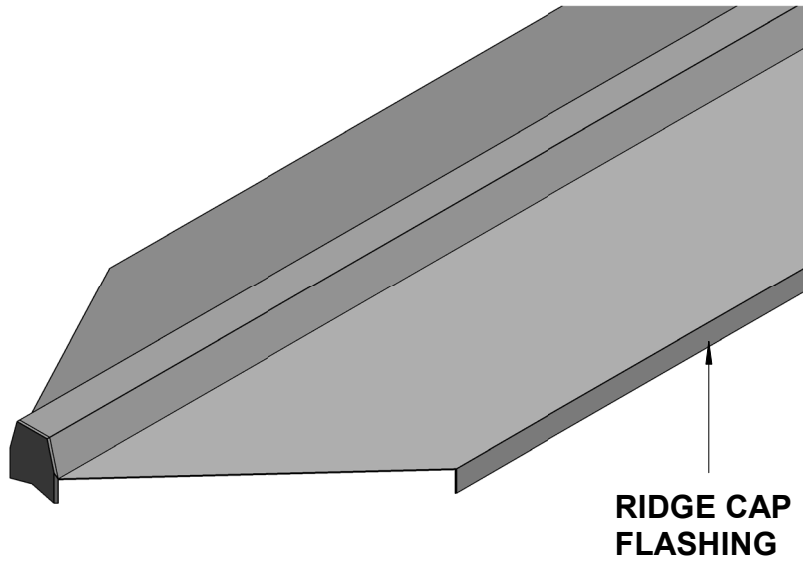
Reference RRM7

Date JAN 2023

3D CHIMNEY PENETRATION
RESIDENTIAL ROOFING

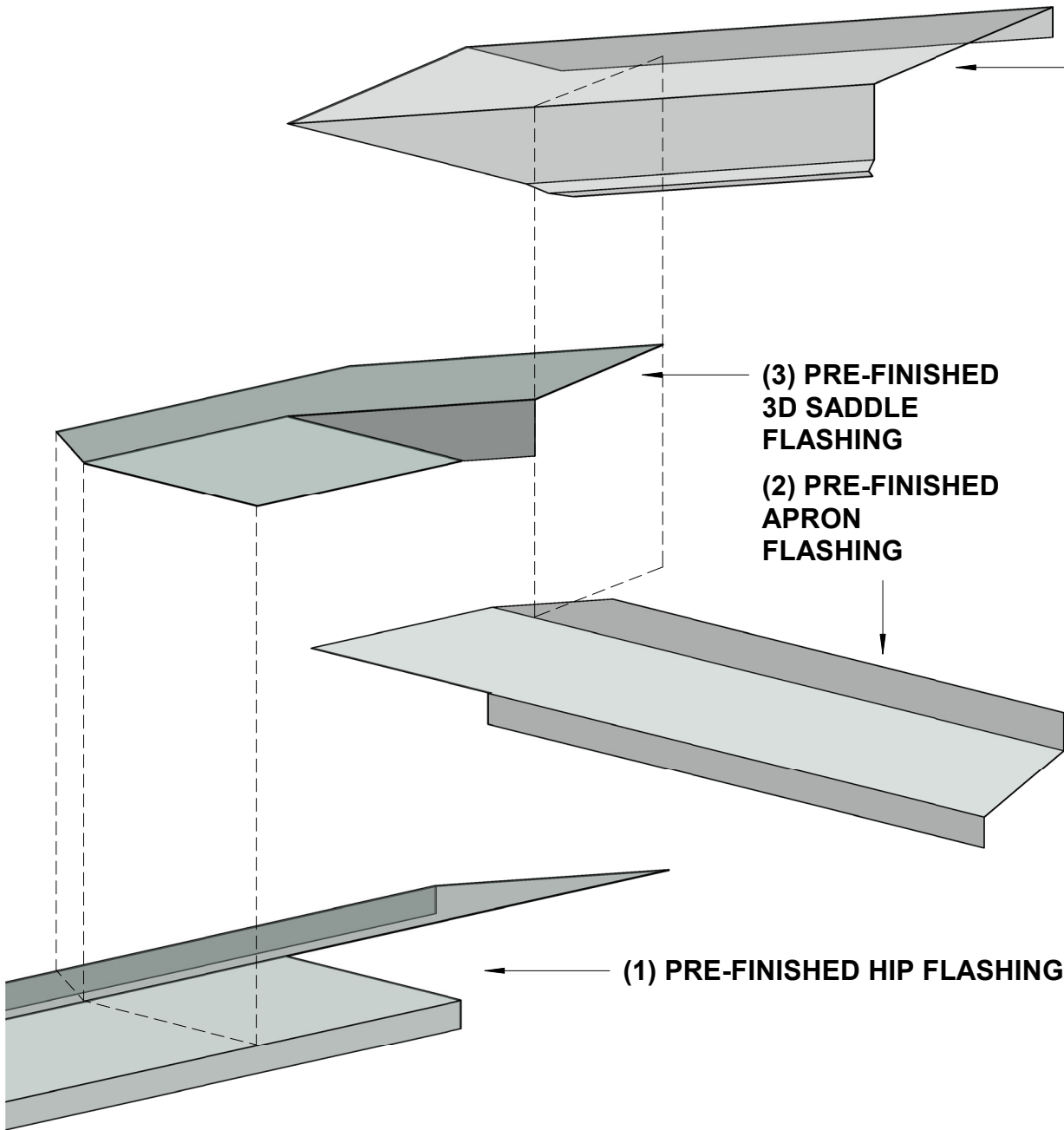
Scale

Sheet **A 27 / 29**



*PLEASE REFER TO MRM CODE OF PRACTICE VERSION 3.0/2022 AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHINGS FOR FURTHER INFORMATION ON FLASHING COVER WIDTH

3D RIDGE/BARGE FLASHINGS
RESIDENTIAL ROOFING



* PLEASE REFER TO MRM CODE OF PRACTICE VERSION 3.0/2022 AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHINGS FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

