

T - Rib

RESIDENTIAL ROOFING

<u>DETAIL LIST</u>	<u>Revision</u>	<u>Date</u>	<u>DETAIL LIST</u>	<u>Revision</u>	<u>Date</u>
A 00 / 29			A 15 / 29		
A 01 / 29			A 16 / 29		
A 02 / 29			A 17 / 29		
A 03 / 29			A 18 / 29		
A 04 / 29			A 19 / 29		
A 05 / 29			A 20 / 29		
A 06 / 29			A 21 / 29		
A 07 / 29			A 22 / 29		
A 08 / 29			A 23 / 29		
A 09 / 29			A 24 / 29		
A 10 / 29			A 25 / 29		
A 11 / 29			A 26 / 29		
A 12 / 29			A 27 / 29		
A 13 / 29			A 28 / 29		
A 14 / 29			A 29 / 29		
COVER SHEET			FLUSH EAVE WITH EXTERNAL GUTTER BRACKET	1.0	JAN 2023
ROOF RIDGE	1.0	JAN 2023	BARGE WITH PROFILED CLADDING	1.0	JAN 2023
ROOF RIDGE (ROUND)	1.0	JAN 2023	BARGE OVERHANG	1.0	JAN 2023
SAWTOOTH RIDGE	1.0	JAN 2023	PARAPET WITH TRANSVERSE APRON	1.0	JAN 2023
SAWTOOTH EAVE	1.0	JAN 2023	TRANSVERSE APRON	1.0	JAN 2023
ROOF VALLEY	1.0	JAN 2023	PARALLEL APRON	1.0	JAN 2023
ROOF VALLEY BAFFLE	1.0	JAN 2023	PIPE PENETRATION DIRECT FIXED BOOT FLASHING	1.0	JAN 2023
INTERNAL GUTTER	1.0	JAN 2023	PIPE PENETRATION BACK TRAY BOOT FLASHING	1.0	JAN 2023
PARALLEL HIDDEN GUTTER	1.0	JAN 2023	3D RIDGE TO BARGE JUNCTION	1.0	JAN 2023
PARALLEL HIDDEN GUTTER (2 PART FLASHING)	1.0	JAN 2023	3D DUTCH GABLE	1.0	JAN 2023
ROOF - CHANGE PITCH	1.0	JAN 2023	3D APRON	1.0	JAN 2023
MANSARD	1.0	JAN 2023	BACK TRAY PENETRATION	1.0	JAN 2023
EAVE WITH METALLINE FASCIA	1.0	JAN 2023	3D CHIMNEY PENETRATION	1.0	JAN 2023
EAVE WITH SNOW STRAP	1.0	JAN 2023	3D RIDGE/BARGE FLASHINGS	1.0	JAN 2023
FLUSH EAVE WITH INTERNAL GUTTER BRACKET	1.0	JAN 2023	3D DUTCH GABLE FLASHINGS	1.0	JAN 2023

AS PER E2/ASI

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

* T-RIB MIN. ROOF PITCH = 3°

PRE-FINISHED RIDGE CAP FLASHING

STOPENDS TO ROOF CLADDING

METALCRAFT T-RIB ROOFING

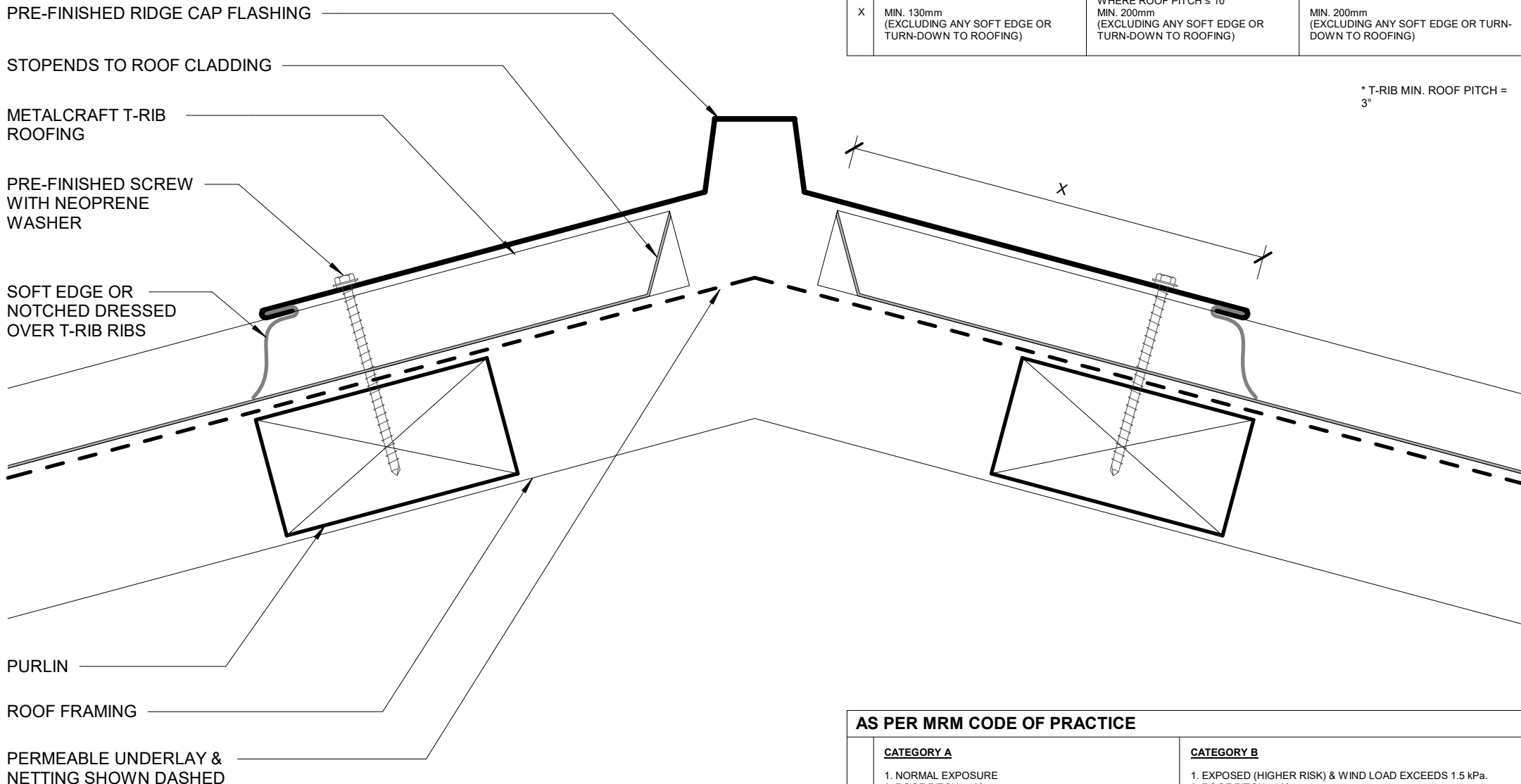
PRE-FINISHED SCREW WITH NEOPRENE WASHER

SOFT EDGE OR NOTCHED DRESSED OVER T-RIB RIBS

PURLIN

ROOF FRAMING

PERMEABLE UNDERLAY & NETTING SHOWN DASHED

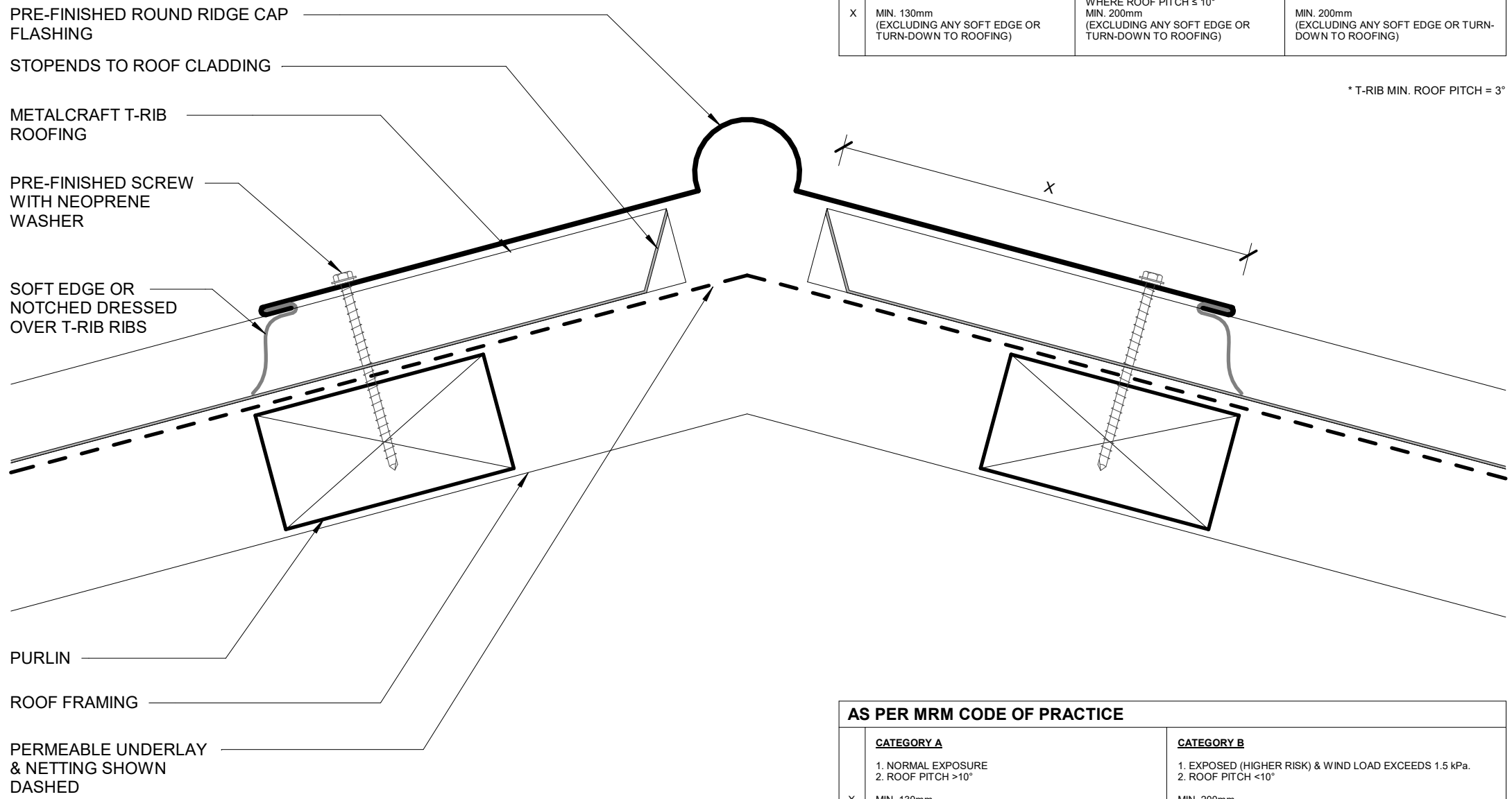


AS PER MRM CODE OF PRACTICE

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

AS PER E2/ASI			
	SITUATION 1 1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$ 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)

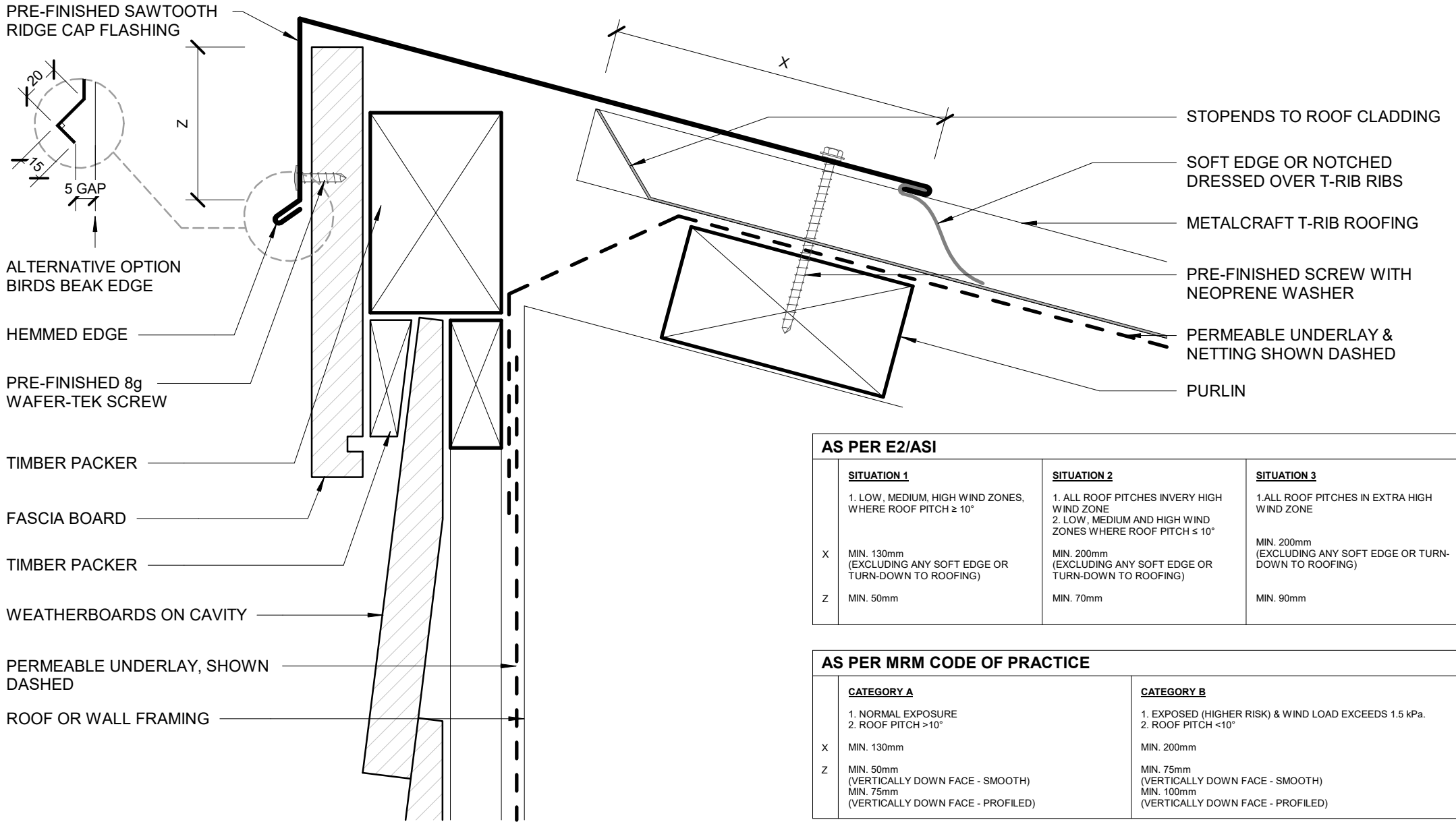
* T-RIB MIN. ROOF PITCH = 3°



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

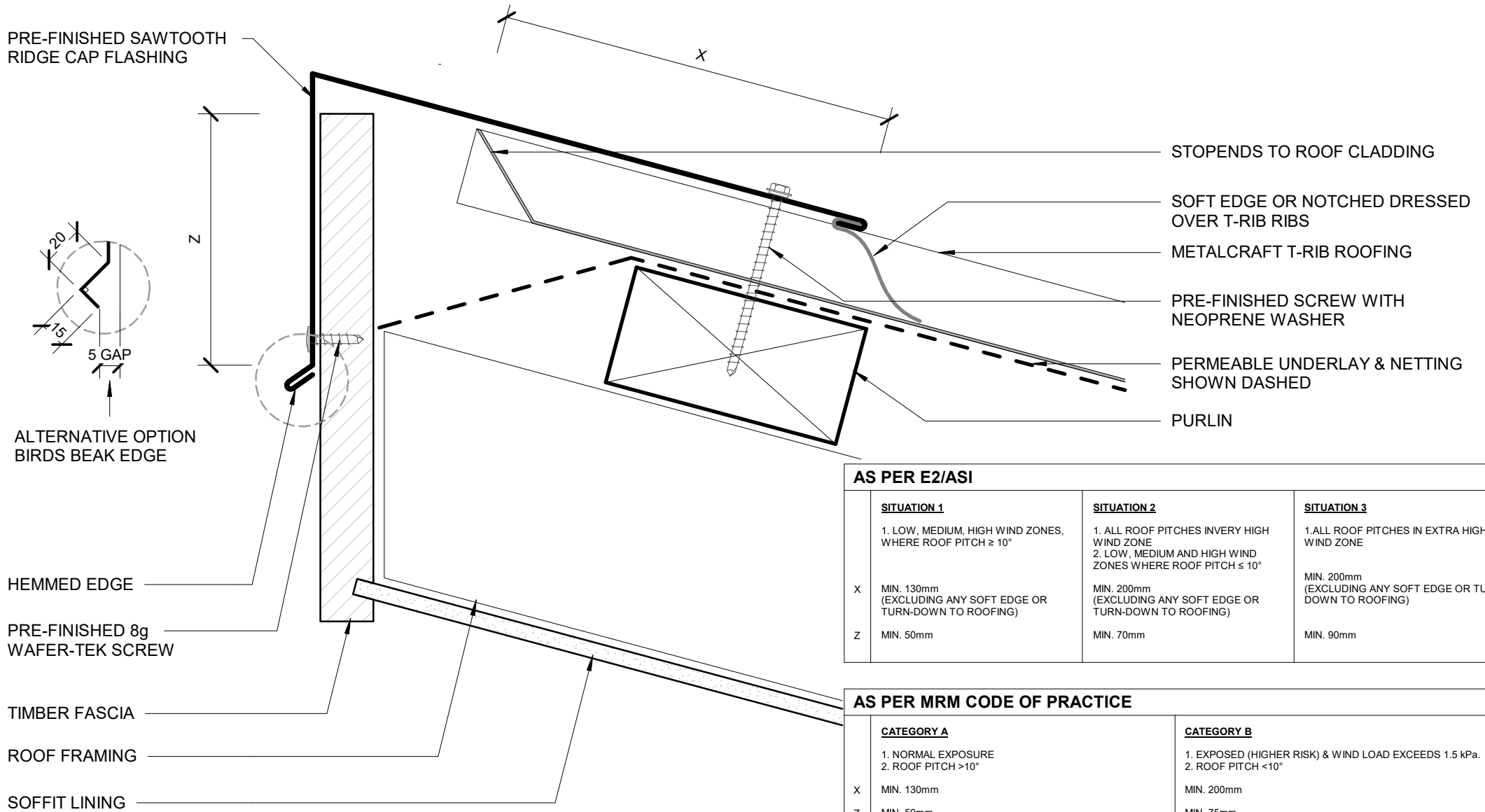


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 Details of the supporting mechanisms are indicative only. Compliance of the supporting mechanisms is the responsibility of the designer. Construction detail can vary for wall cladding. The underlay is detailed as a single line for simplicity and is indicative only. Building paper type and method of installation should comply with underlay manufacturers recommendations and NZBC regulations.



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	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. ALL ROOF PITCHES IN 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 T- RIB 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

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

VALLEY RAFTER

*ROOF PITCH FOR VALLEYS AS PER MRM CODE OF PRACTICE VERSION 3.0/2019

FOR 8° DEGREES OR LOWER USE INTERNAL GUTTER DETAIL

METALCRAFT T-RIB 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

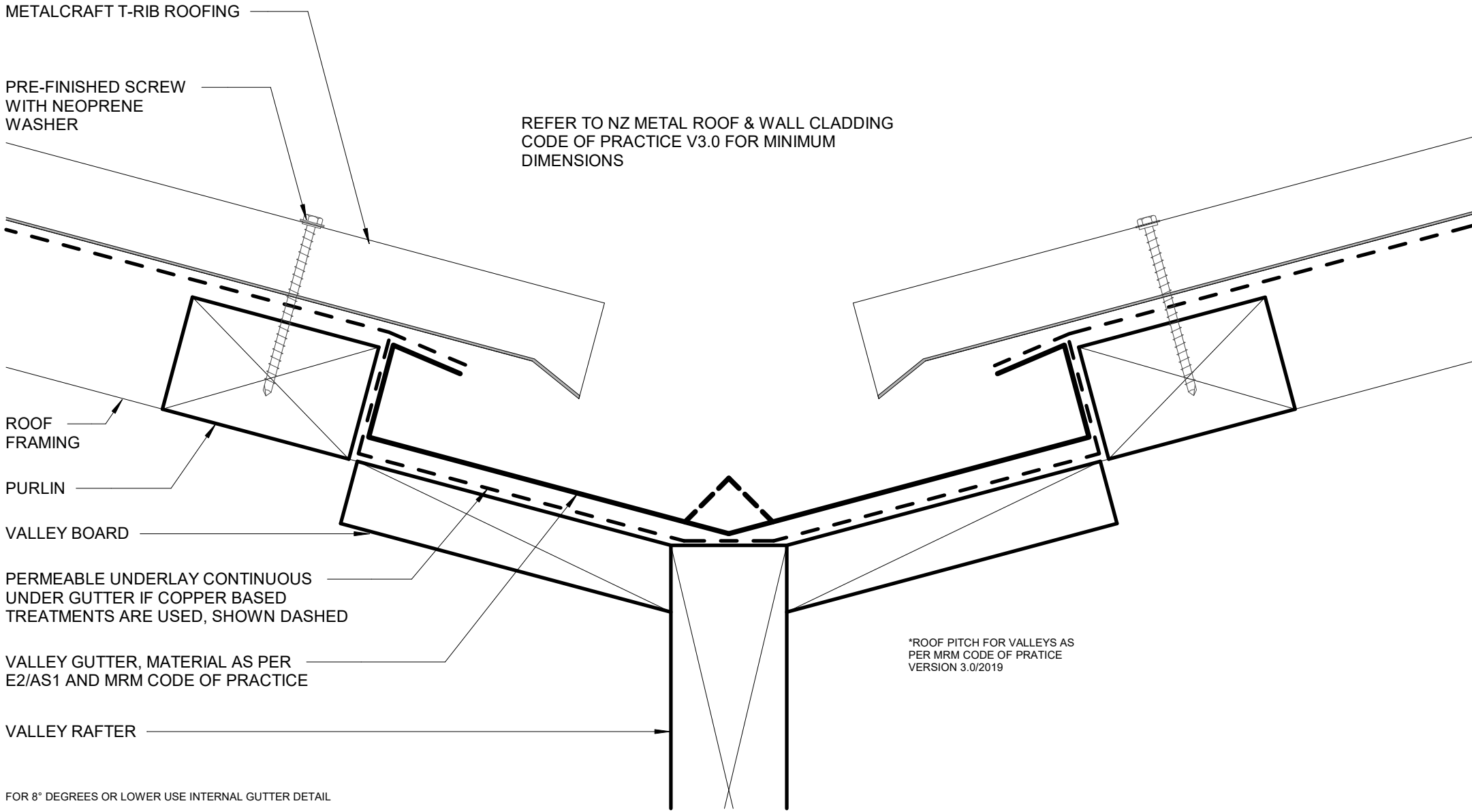
PERMEABLE UNDERLAY CONTINUOUS UNDER GUTTER IF COPPER BASED TREATMENTS ARE USED, SHOWN DASHED

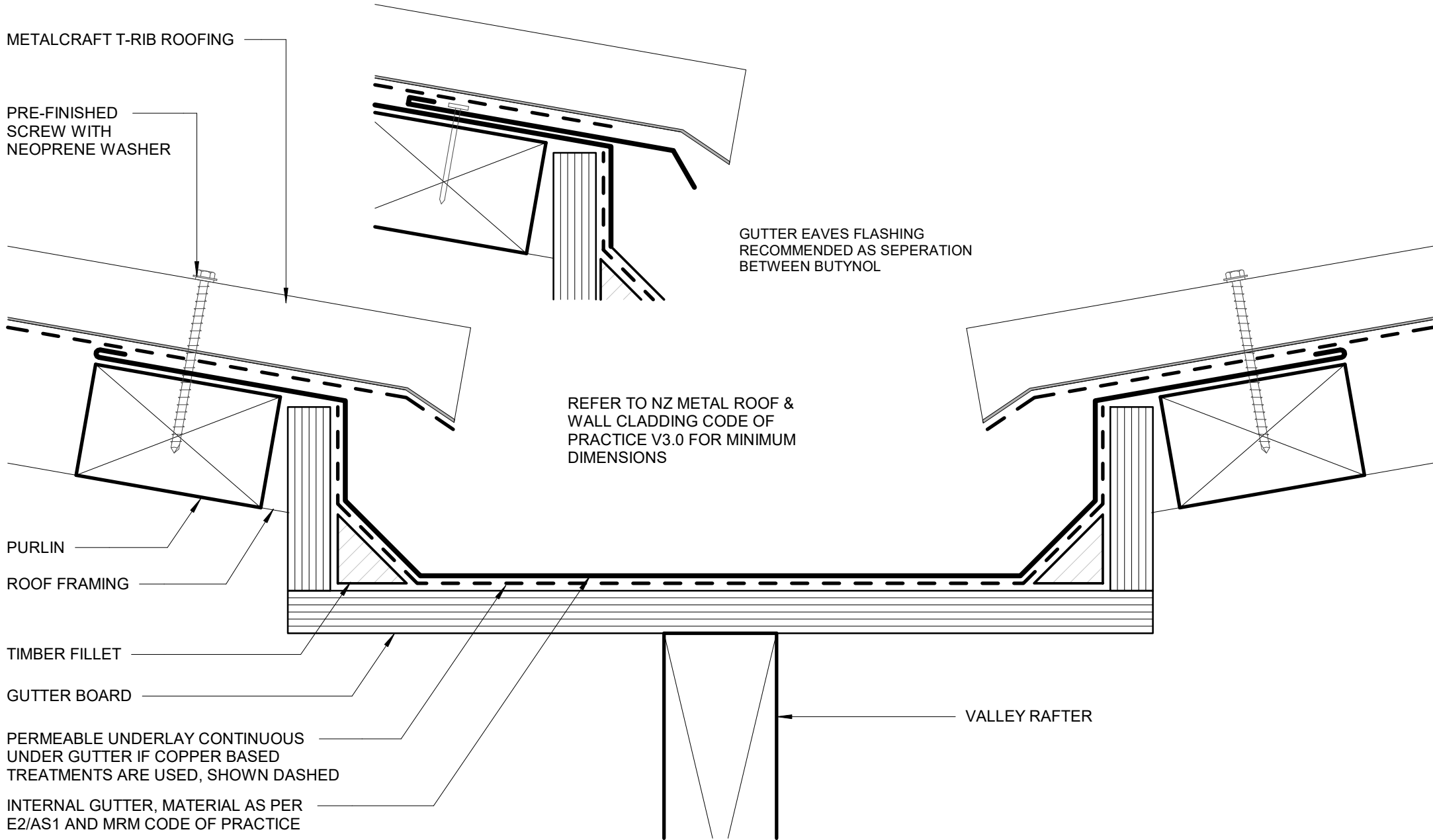
VALLEY GUTTER, MATERIAL AS PER E2/AS1 AND MRM CODE OF PRACTICE

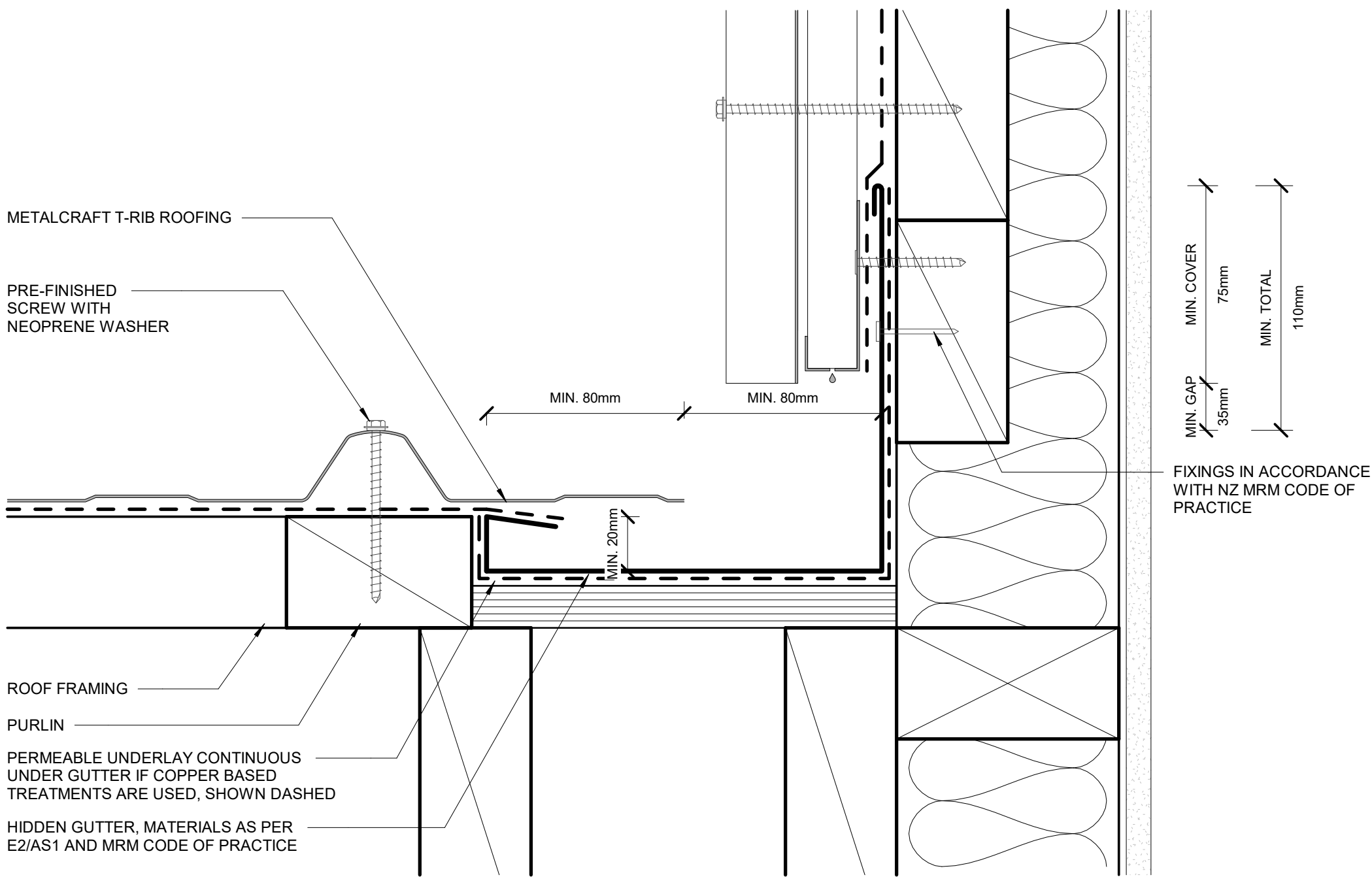
VALLEY RAFTER

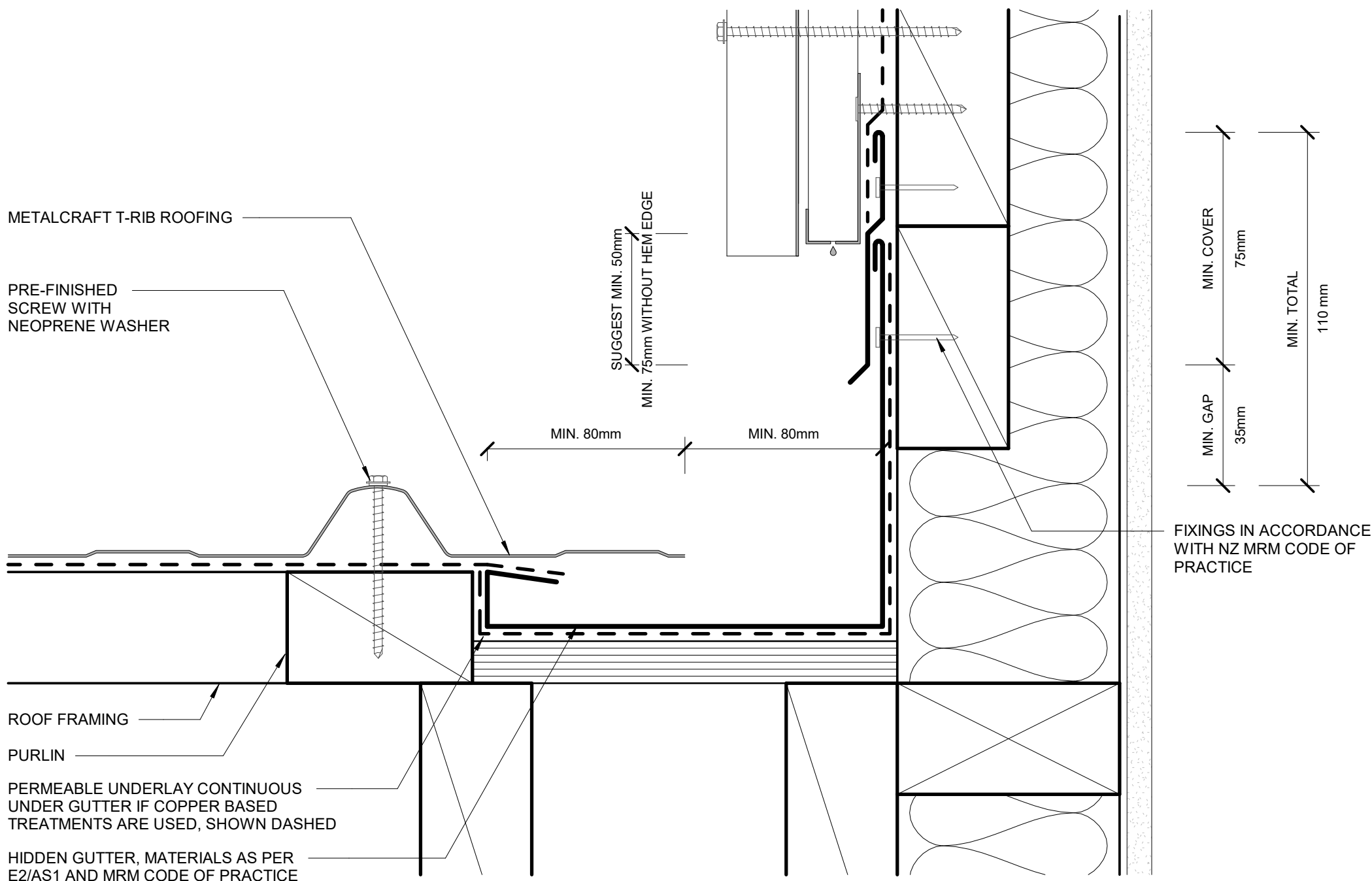
*ROOF PITCH FOR VALLEYS AS PER MRM CODE OF PRACTICE VERSION 3.0/2019

FOR 8° DEGREES OR LOWER USE INTERNAL GUTTER DETAIL

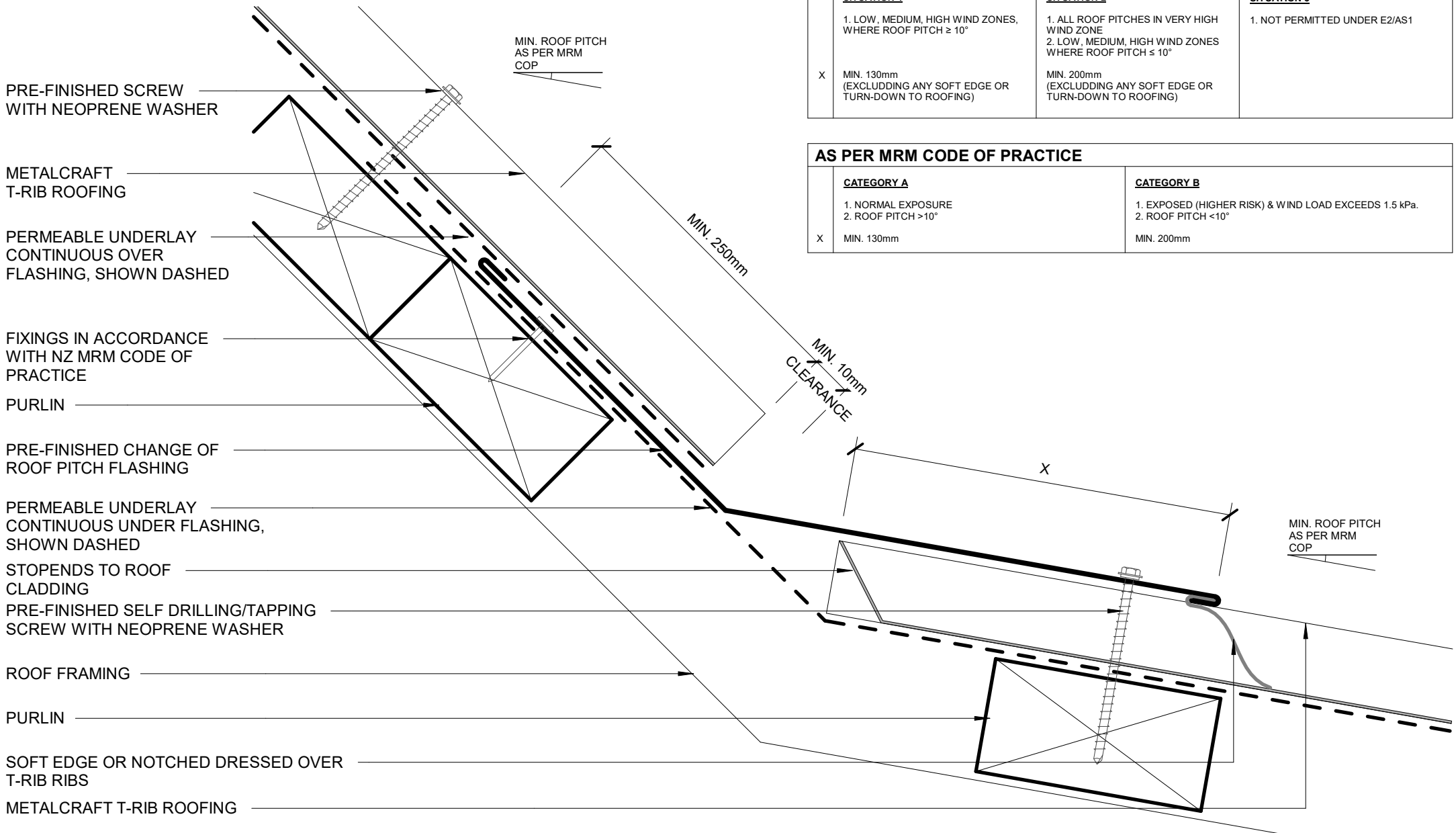








PARALLEL HIDDEN GUTTER (2 PART FLASHING)



PRE-FINISHED SCREW WITH NEOPRENE WASHER

METALCRAFT T-RIB ROOFING

PERMEABLE UNDERLAY CONTINUOUS OVER FLASHING, SHOWN DASHED

FIXINGS IN ACCORDANCE WITH NZ MRM CODE OF PRACTICE

PURLIN

PRE-FINISHED CHANGE OF ROOF PITCH FLASHING

PERMEABLE UNDERLAY CONTINUOUS UNDER FLASHING, SHOWN DASHED

STOPENDS TO ROOF CLADDING

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH NEOPRENE WASHER

ROOF FRAMING

PURLIN

SOFT EDGE OR NOTCHED DRESSED OVER T-RIB RIBS

METALCRAFT T-RIB ROOFING

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

METALCRAFT
T-RIB ROOFING

FIXINGS IN ACCORDANCE WITH
NZ MRM CODE OF PRACTICE

PRE-FINISHED SCREW
WITH NEOPRENE WASHER

PERMEABLE UNDERLAY
CONTINUOUS OVER
FLASHING, SHOWN DASHED

PURLIN

PRE-FINISHED CHANGE OF
ROOF PITCH FLASHING

PERMEABLE UNDERLAY
CONTINUOUS UNDER FLASHING,
SHOWN DASHED

STOPENDS TO ROOF CLADDING

ROOF FRAMING

PRE-FINISHED SELF DRILLING/TAPPING
SCREW WITH NEOPRENE WASHER

PURLIN

SOFT EDGE OR NOTCHED DRESSED OVER T-RIB
RIBS

METALCRAFT T-RIB ROOFING

MIN. ROOF PITCH
AS PER MRM
COP

250mm MIN

25mm MIN
50mm RECOMMENDED

MIN. ROOF PITCH
AS PER MRM
COP

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. ALL ROOF PITCHES IN VERY HIGH
WIND ZONE
2. LOW, MEDIUM, HIGH WIND ZONES
WHERE ROOF PITCH $\leq 10^\circ$

X MIN. 200mm
(EXCLUDING ANY SOFT EDGE OR
TURN-DOWN TO ROOFING)

SITUATION 3

1. NOT PERMITTED UNDER E2/AS1

AS PER MRM CODE OF PRACTICE

CATEGORY A

1. NORMAL EXPOSURE
2. ROOF PITCH $>10^\circ$

X MIN. 130mm

CATEGORY B

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

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

10-35° = 50mm

>35° = 40mm

MIN. 125 mm

MIN. ROOF PITCH AS PER MRM COP

FOAM CLOSURE USED AS REQUIRED

METALCRAFT T-RIB ROOFING

PERMEABLE UNDERLAY & NETTING SHOWN DASHED

METALLINE™ QUAD GUTTER

METALLINE™ QUAD GUTTER OVERSTRAP

SPRING CLIP

METALLINE™ FASCIA

FASCIA BRACKET

MIN. 35mm OVERLAP

PRE-FINISHED SCREW WITH NEOPRENE WASHER

PRE-FINISHED EAVE FLASHING

TIMBER PURLIN

FIXINGS IN ACCORDANCE WITH NZ MRM CODE OF PRACTICE

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° = 50mm
 >35° = 40mm

MIN. ROOF PITCH AS PER MRM COP

MIN. 125 mm

FOAM CLOSURE USED AS REQUIRED

METALCRAFT T-RIB 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. 35mm OVERLAP

PRE-FINISHED SCREW WITH NEOPRENE WASHER

PERMEABLE UNDERLAY & NETTING SHOWN DASHED

PRE-FINISHED EAVE FLASHING

TIMBER PURLIN

FIXINGS IN ACCORDANCE WITH NZ MRM CODE OF PRACTICE

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° = 50mm
 >35° = 40mm

MIN. ROOF PITCH AS PER MRM COP

FOAM CLOSURES USED AS REQUIRED

METALCRAFT T-RIB 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. 35mm OVERLAP

MIN. 125 mm

PRE-FINISHED SCREW WITH NEOPRENE WASHER

PRE-FINISHED EAVE FLASHING

TIMBER PURLIN

FIXINGS IN ACCORDANCE WITH NZ MRM CODE OF PRACTICE

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° UN-BAFFLED BY SPOUTING

10-35° = 50mm
 >35° = 40mm

MIN. 125 mm

MIN. ROOF PITCH AS PER MRM COP

FOAM CLOSURE USED AS REQUIRED

METALCRAFT T-RIB 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. 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

Metalcraft
Roofing

www.metalcraftgroup.co.nz

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FLUSH EAVE WITH EXTERNAL GUTTER BRACKET

T - Rib

Rev. 1.0

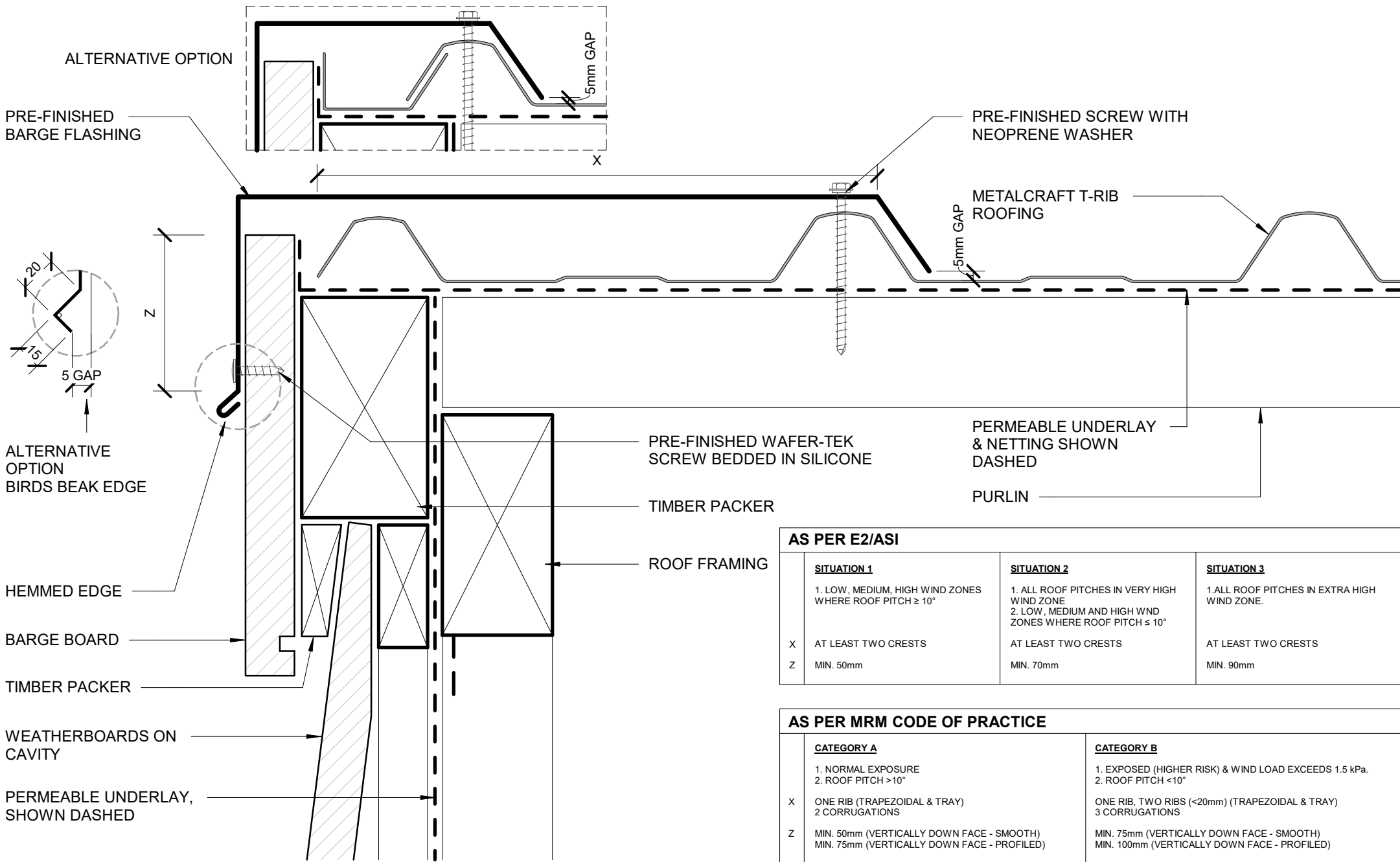
RESIDENTIAL ROOFING

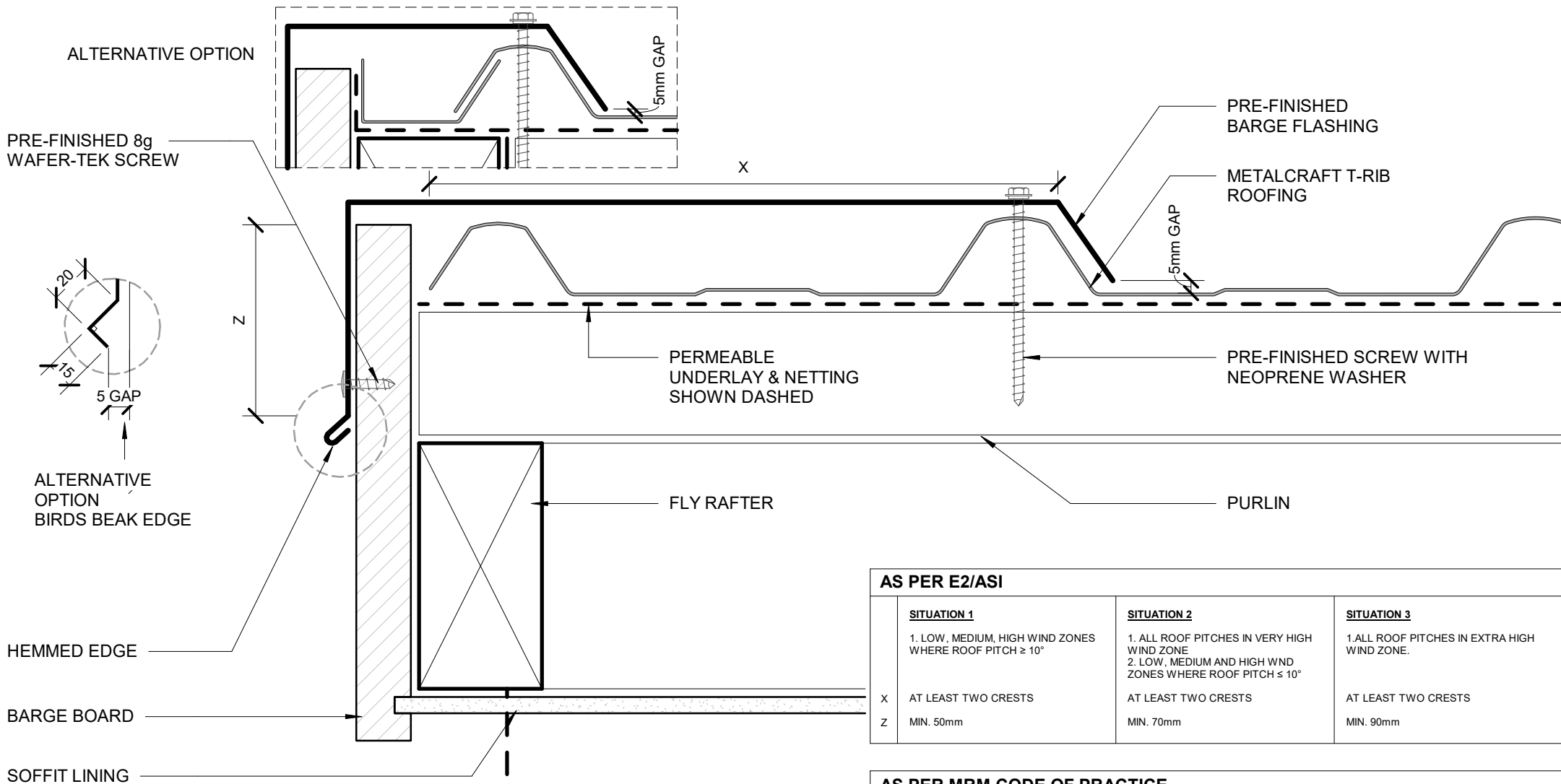
Reference RRTRI

Date JAN 2023

Scale 1 : 2

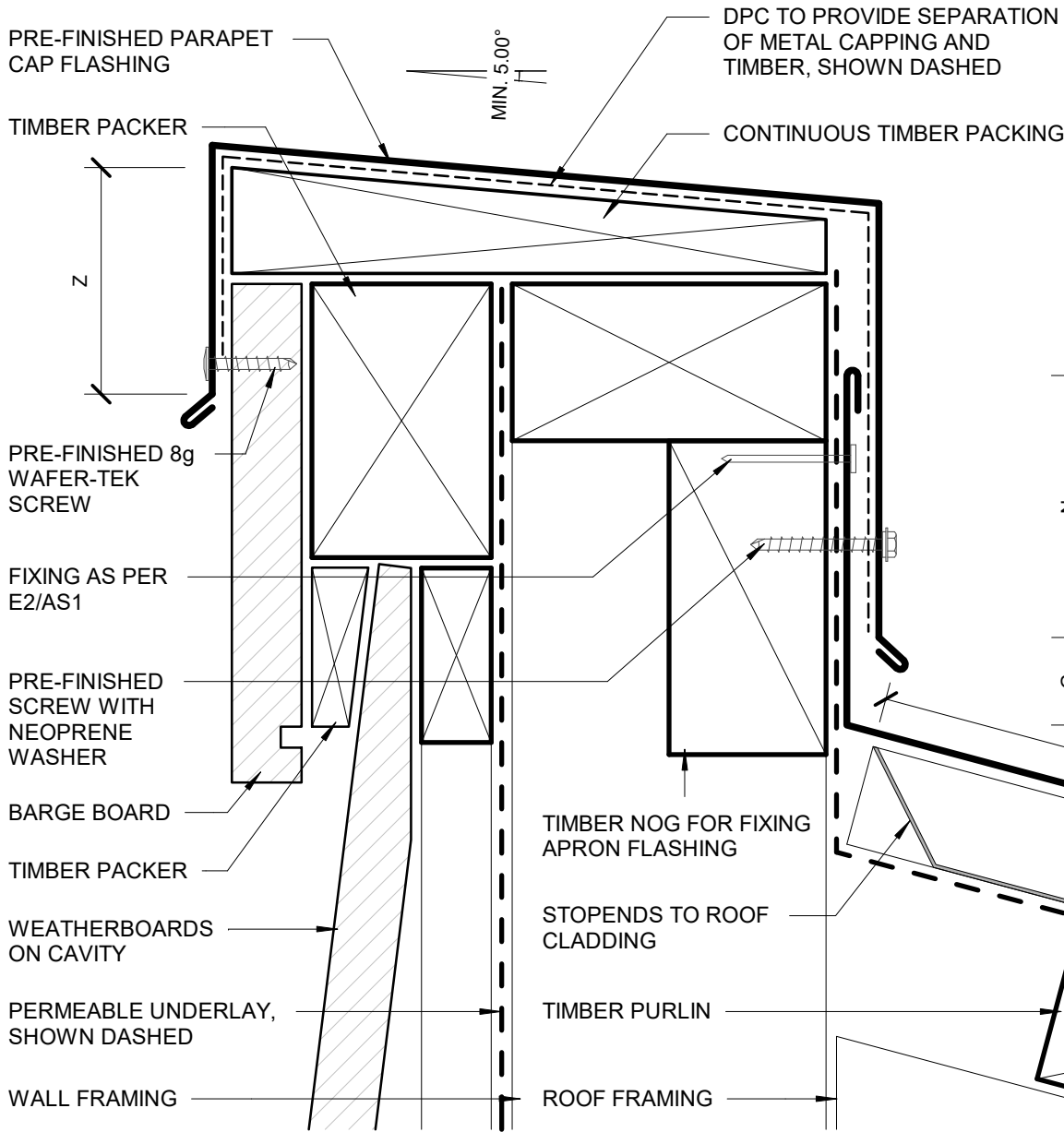
Sheet **A 15 / 29**





AS PER E2/ASI			
	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\geq 10^\circ$	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)

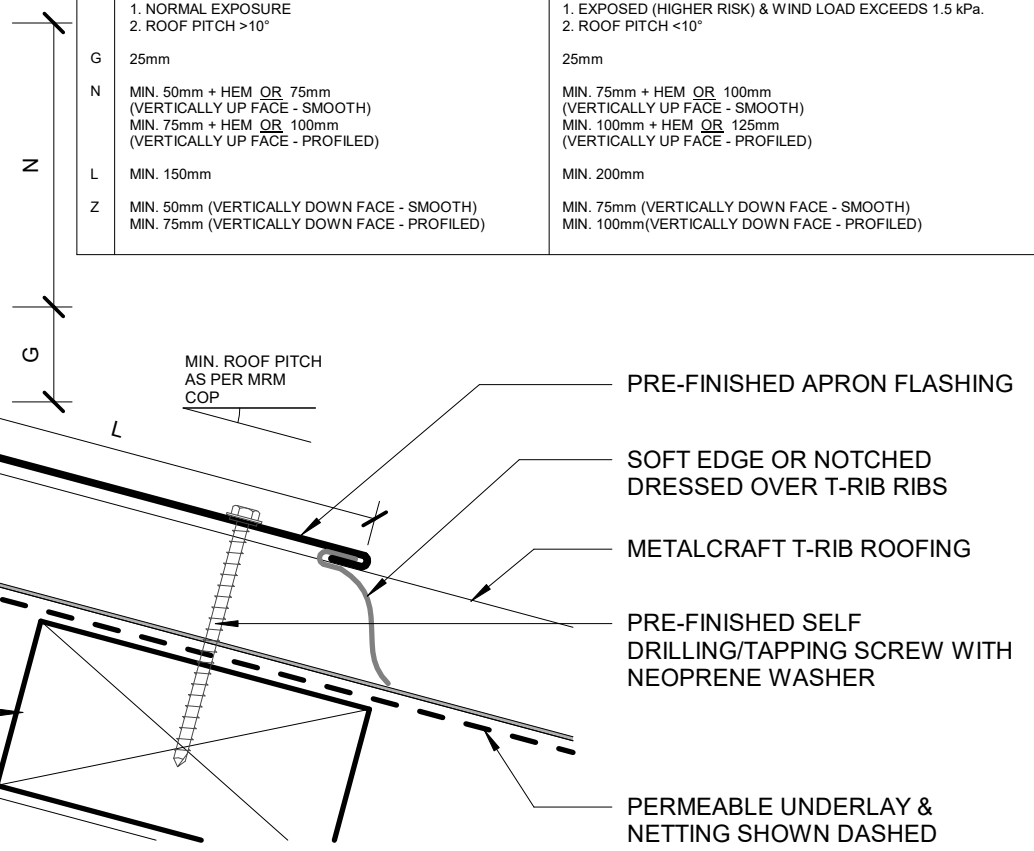


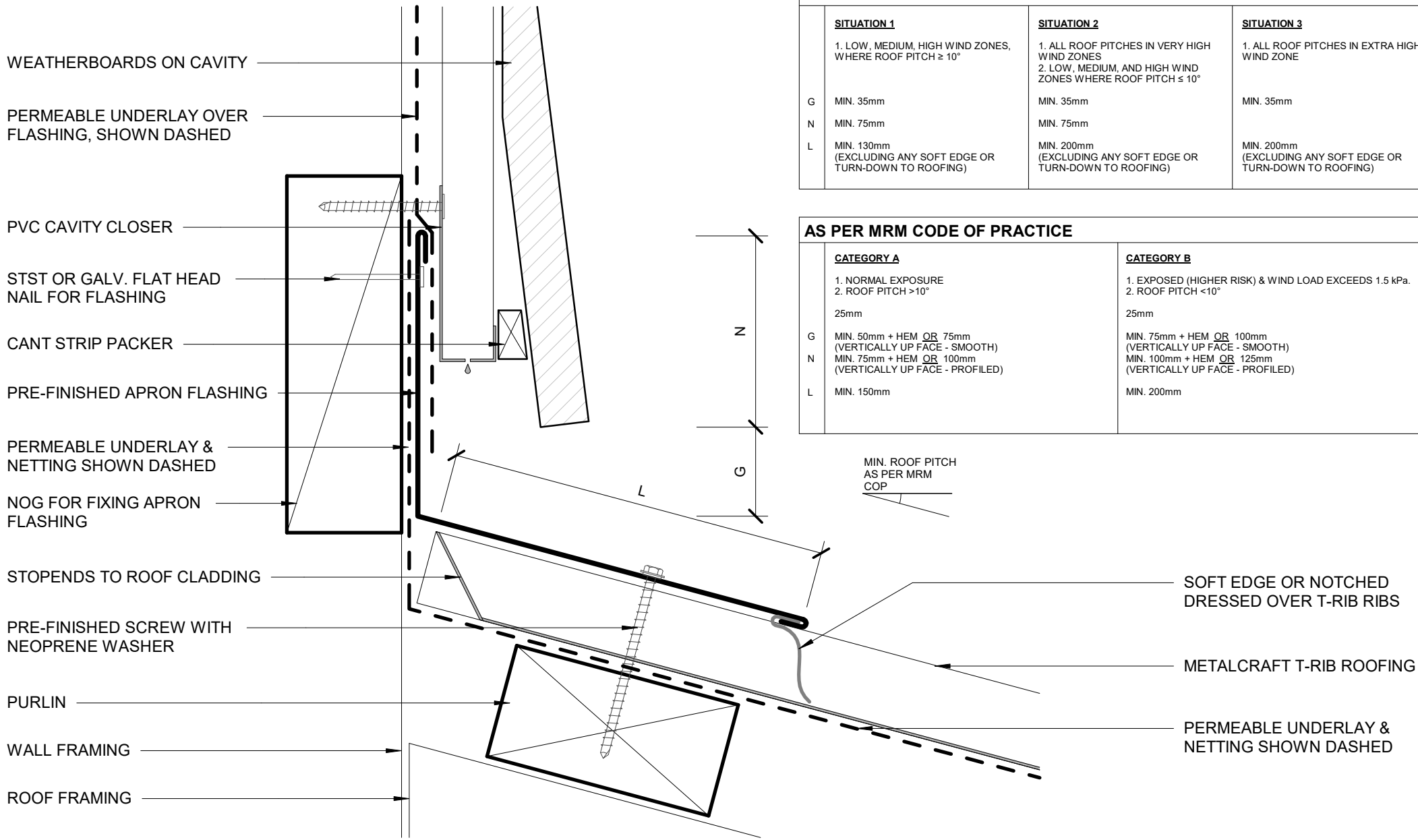
AS PER E2/AS1

	<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, & 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)
Z	MIN. 50mm	MIN. 70mm	MIN. 90mm

AS PER MRM CODE OF PRACTICE

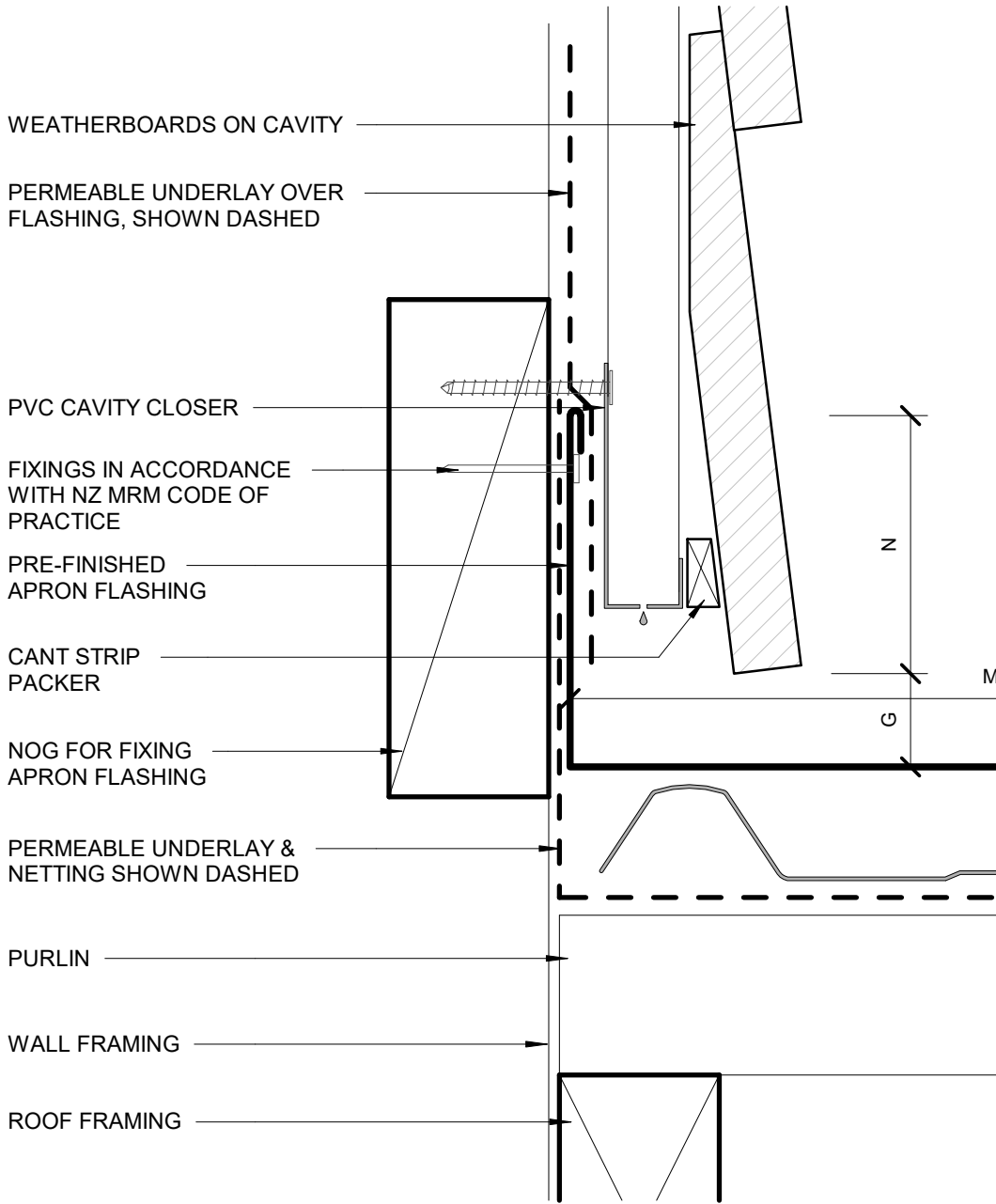
	<u>CATEGORY A</u>	<u>CATEGORY B</u>
	1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
G	25mm	25mm
N	MIN. 50mm + HEM OR 75mm (VERTICALLY UP FACE - SMOOTH) MIN. 75mm + HEM OR 100mm (VERTICALLY UP FACE - PROFILED)	MIN. 75mm + HEM 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)





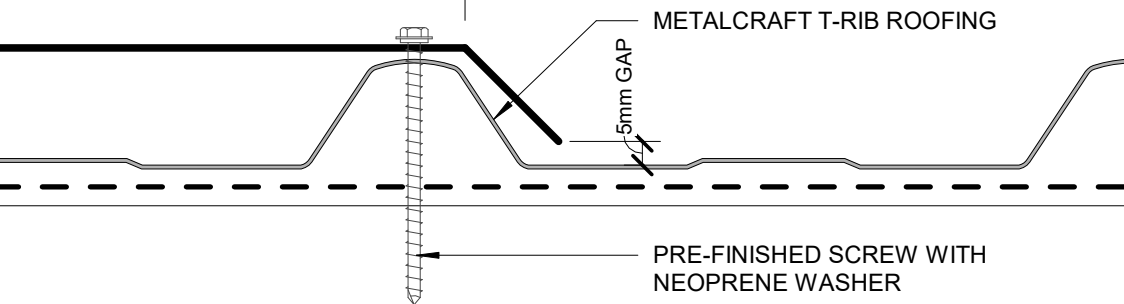
AS PER E2/ASI			
	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONES 2. LOW, MEDIUM, AND HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE
G	MIN. 35mm	MIN. 35mm	MIN. 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	
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 $<10^\circ$
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 ($<20\text{mm}$) (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 TO MRM CODE OF PRACTICE

EPDM FLEXIBLE CONE SLEEVE

METALCRAFT T-RIB ROOFING

PERMEABLE UNDERLAY & NETTING SHOWN DASHED

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH NEOPRENE WASHER

TIMBER PURLIN

EPDM FLEXIBLE CONE SLEEVE

METALCRAFT T-RIB ROOFING

PERMEABLE UNDERLAY & NETTING SHOWN DASHED

MIN. ROOF PITCH AS PER MRM
T.COP

ROOF FRAMING

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 / 2019.

PIPE

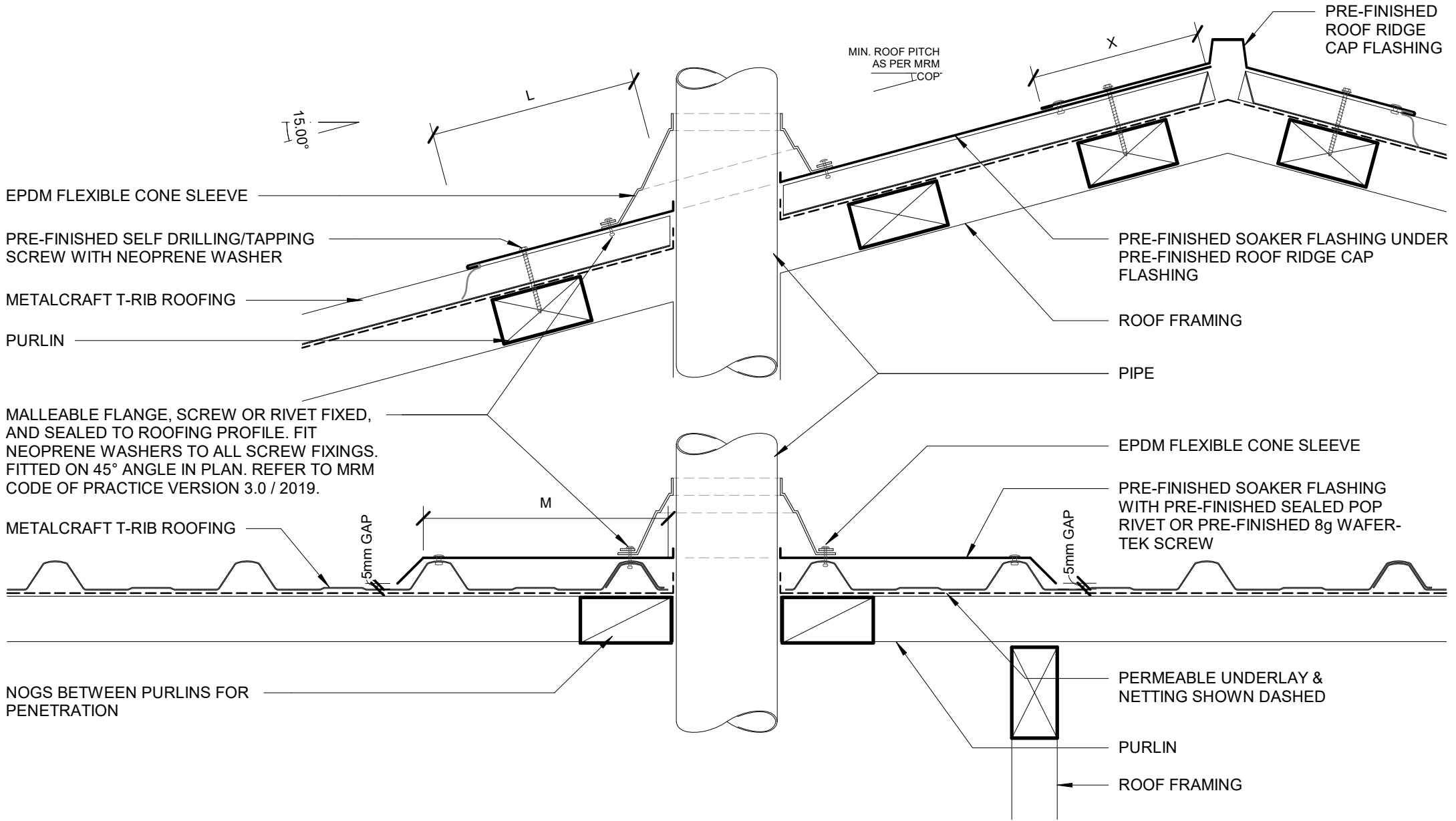
MALLEABLE FLANGE, SCREW OR RIVET FIXED, AND SEALED TO ROOFING PROFILE. FIT NEOPRENE WASHERS TO ALL SCREW FIXINGS. FITTED ON 45° ANGLE IN PLAN. REFER TO MRM CODE OF PRACTICE VERSION 3.0 / 2019.

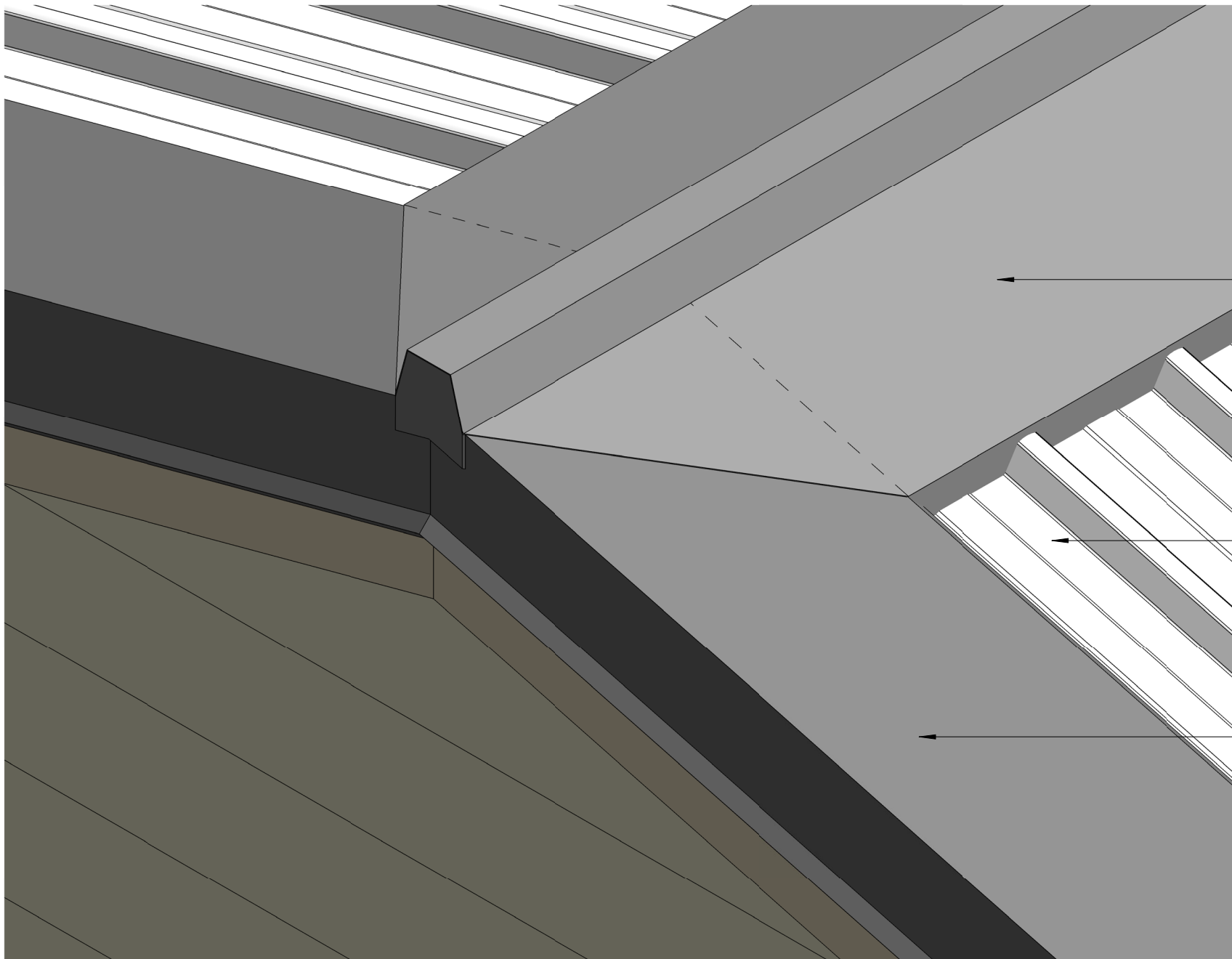
TIMBER PURLIN

ROOF FRAMING

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

REFER MRM CODE OF PRACTICE





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

PRE-FINISHED RIDGE CAP FLASHING

METALCRAFT T-Rib

PRE-FINISHED BARGE FLASHING

3D RIDGE TO BARGE JUNCTION
RESIDENTIAL ROOFING

PRE-FINISHED BARGE FLASHING

PRE-FINISHED HIP FLASHING

PRE-FINISHED APRON FLASHING

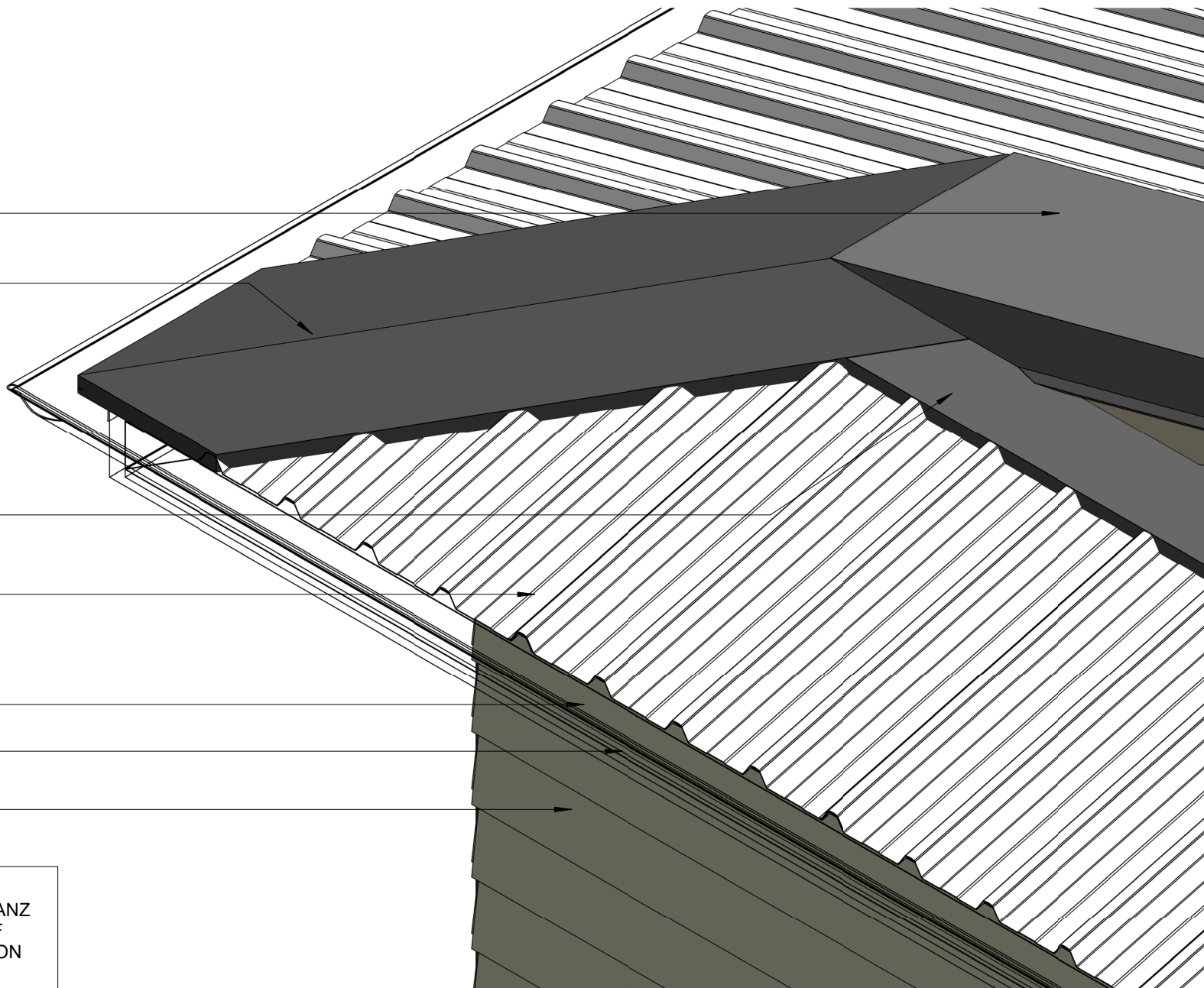
METALCRAFT T-Rib ROOFING
TURN DOWN INTO GUTTER.
REFER TO EAVE DETAILS FOR
MINIMUM ROOF OVERHANG

GUTTER

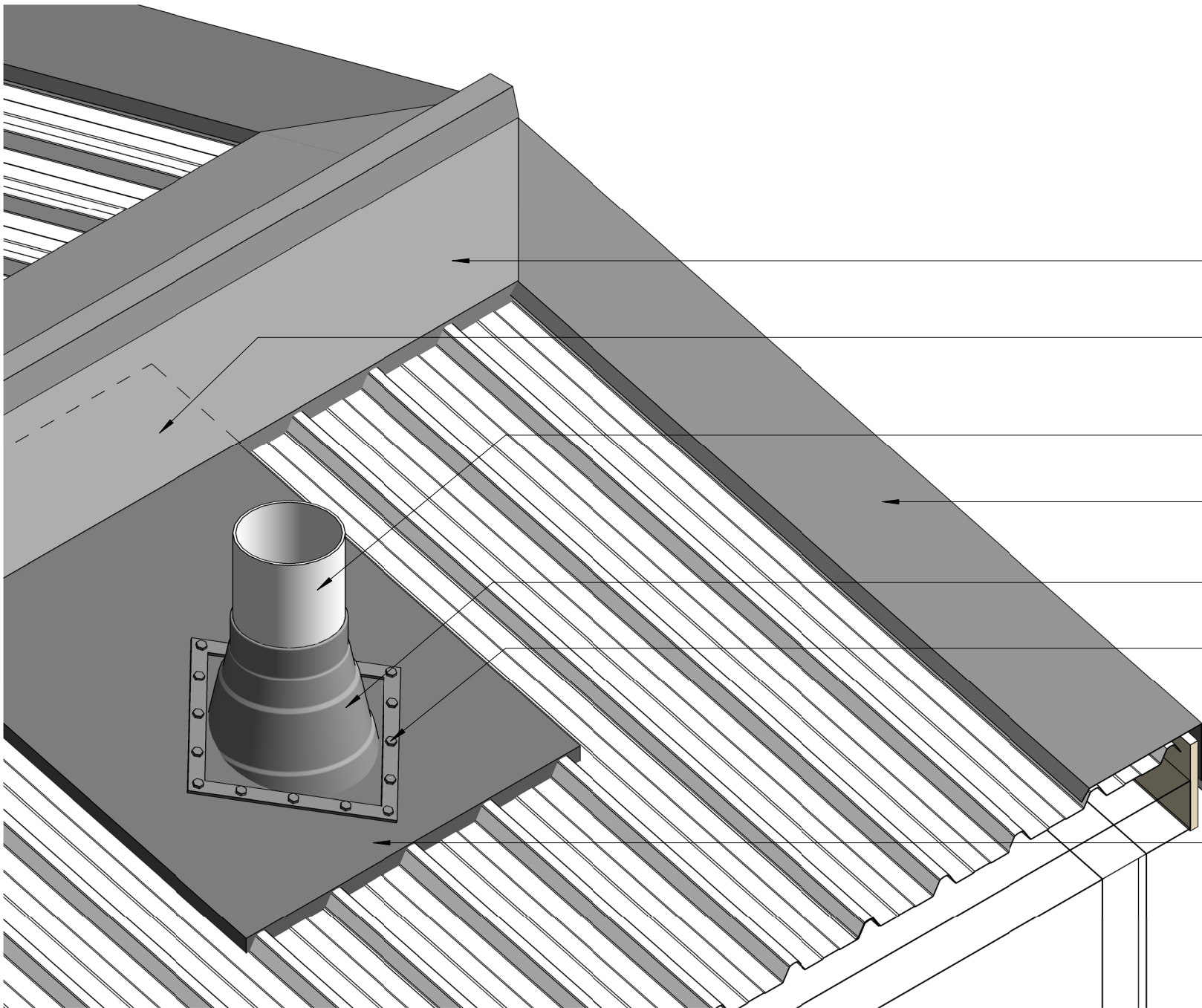
FASCIA BOARD

WALL CLADDING ON CAVITY

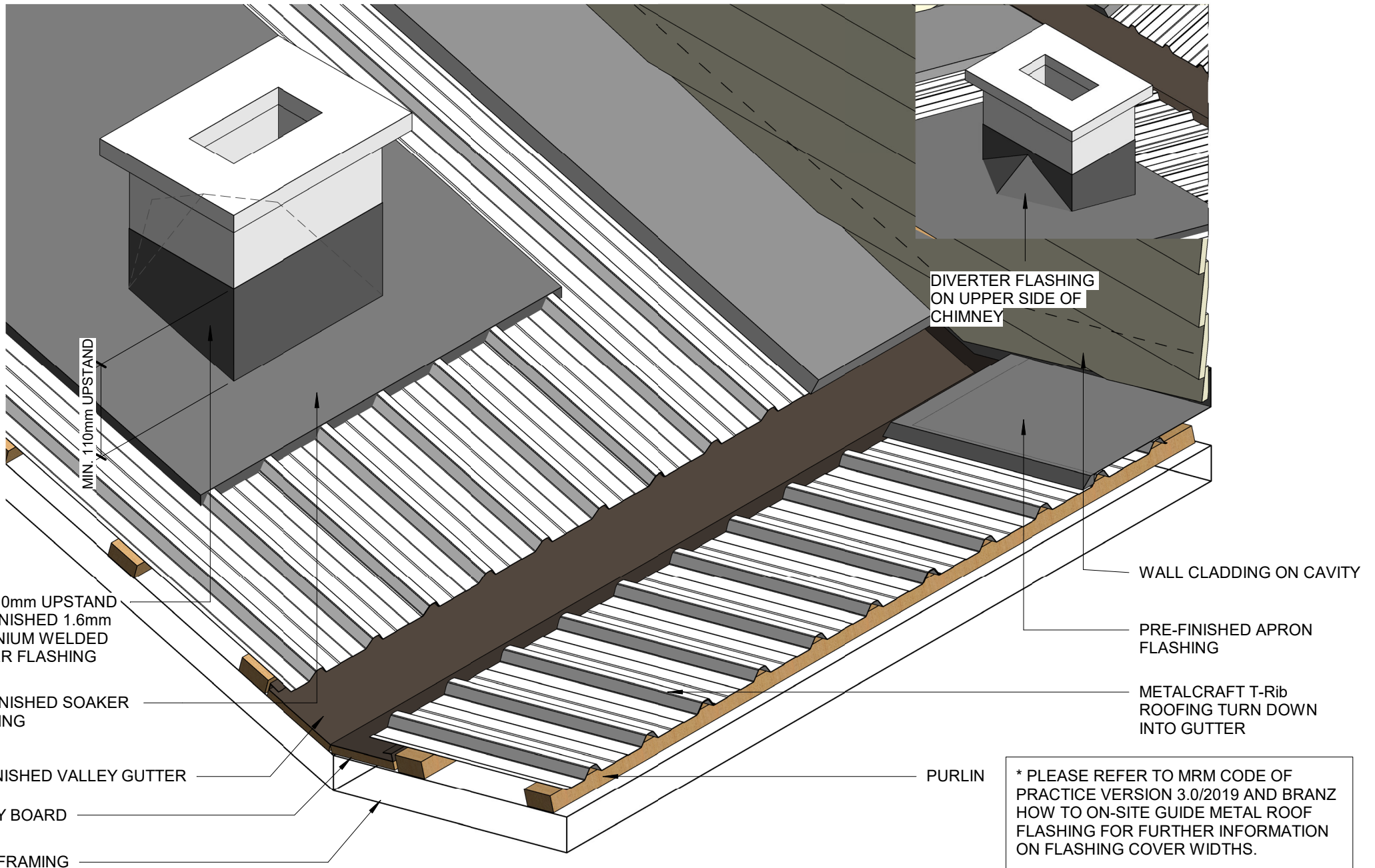
* PLEASE REFER TO MRM CODE OF PRACTICE VERSION 3.0/2019 AND BRANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHING FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.



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



- METALCRAFT T-Rib ROOFING
- PRE-FINISHED SOAKER FLASHING LINE UNDER PRE-FINISHED ROOFRIDGE FLASHING
- PIPE
- PRE-FINISHED ROOF BARGE FLASHING
- EPDM 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 3.0/2019
- PRE-FINISHED SOAKER FLASHING



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

PRE-FINISHED SOAKER
FLASHING

PREFINISHED VALLEY GUTTER

VALLEY BOARD

ROOF FRAMING

MIN. 110mm UPSTAND

DIVERTER FLASHING
ON UPPER SIDE OF
CHIMNEY

WALL CLADDING ON CAVITY

PRE-FINISHED APRON
FLASHING

METALCRAFT T-Rib
ROOFING TURN DOWN
INTO GUTTER

PURLIN

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

Metalcraft
Roofing

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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.

T - Rib

Rev. 1.0

Reference RRTRI

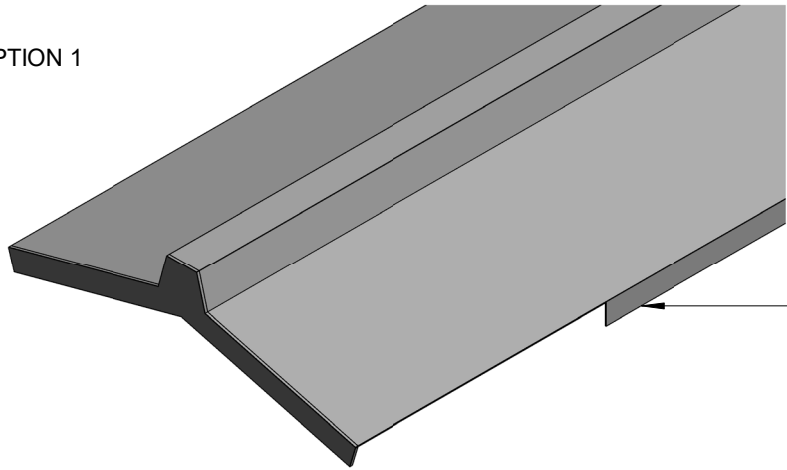
Date JAN 2023

3D CHIMNEY PENETRATION
RESIDENTIAL ROOFING

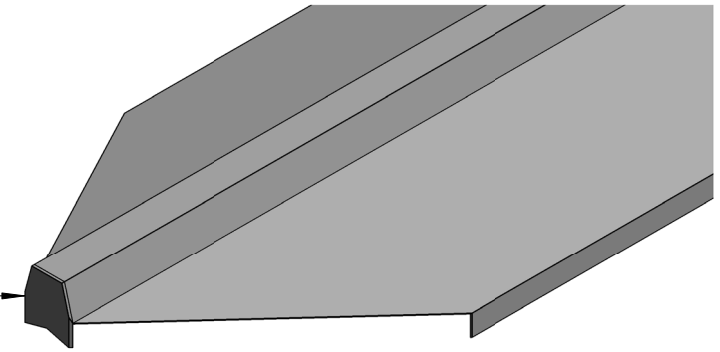
Scale

Sheet **A 27 / 29**

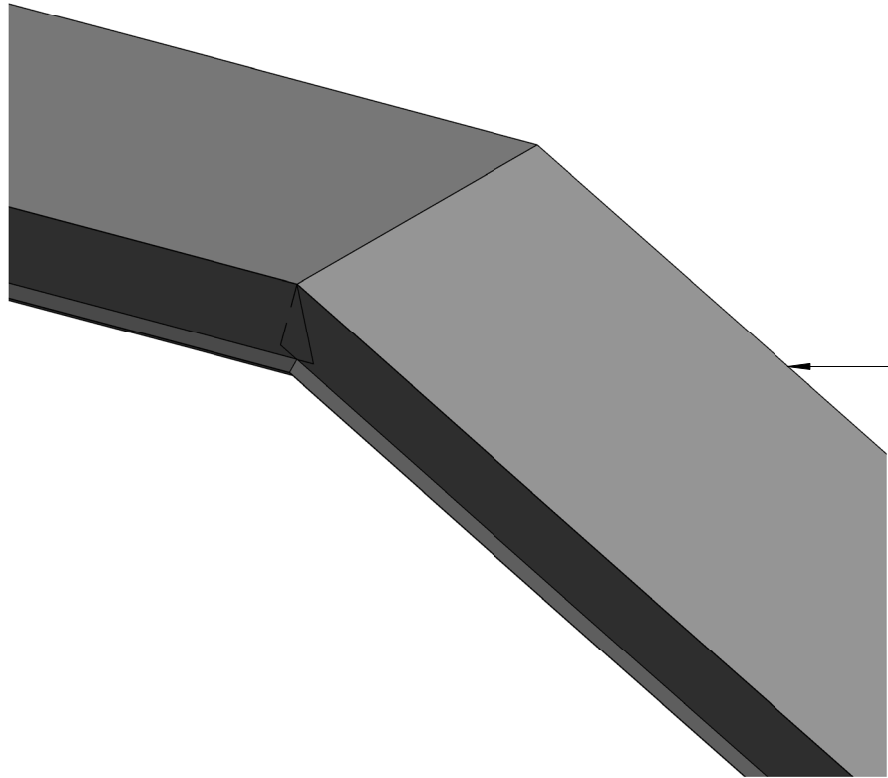
OPTION 1



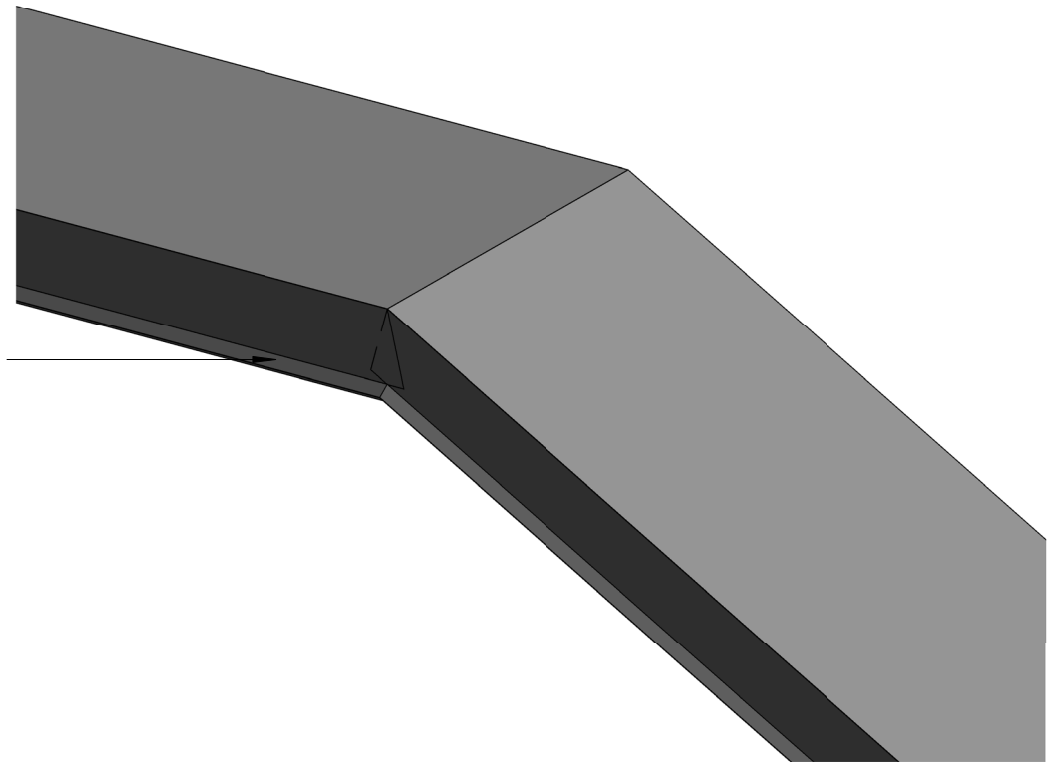
OPTION 2



RIDGE CAP
FLASHING

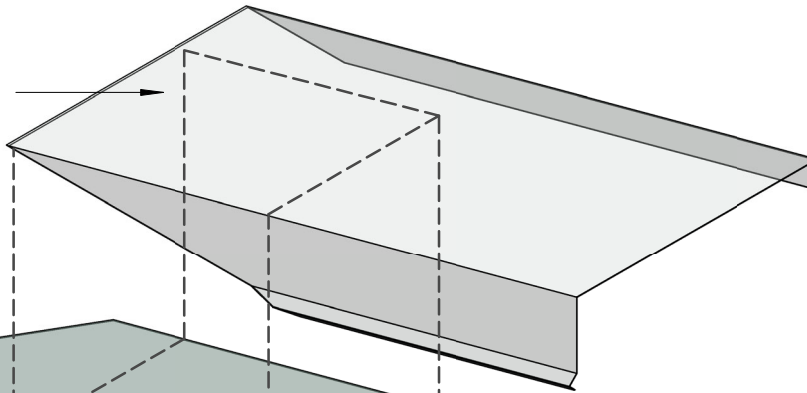


BARGE
FLASHING

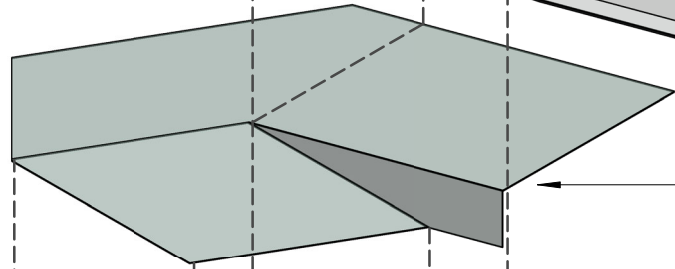


3D RIDGE/BARGE FLASHINGS
RESIDENTIAL ROOFING

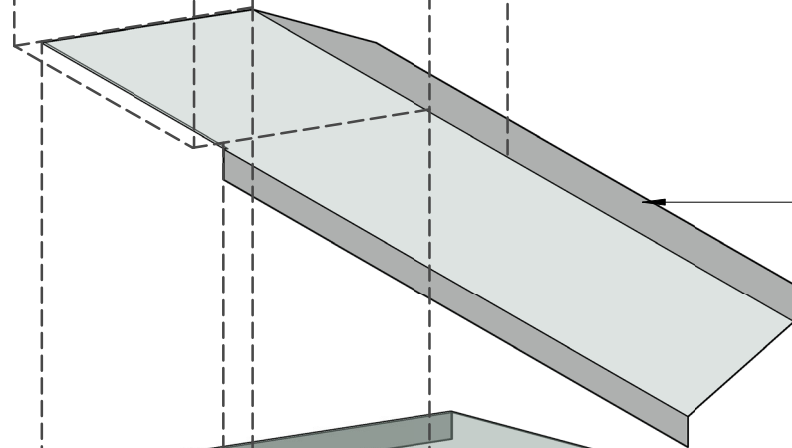
**(4) PRE-FINISHED
BARGE
FLASHING**



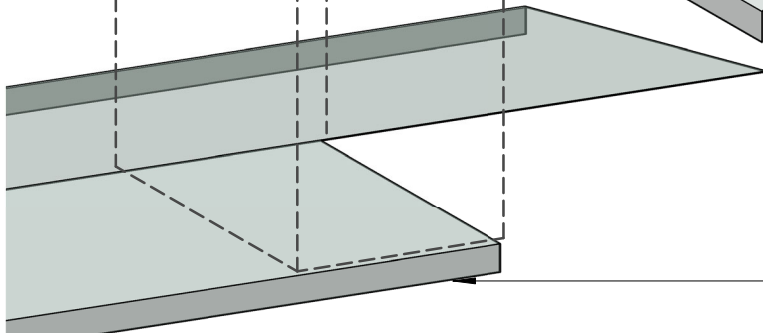
**(3) PRE-FINISHED
3D SADDLE
FLASHING**



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



(1) PRE-FINISHED HIP FLASHING



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

