

# Metcom 930

## COMMERCIAL ROOFING

<u>DETAIL LIST</u>	<u>Revision</u>	<u>Date</u>
D 00 / 17	COVER SHEET	
D 01 / 17	RIDGE WITH PROFILED APEX	1.0 JAN 2023
D 02 / 17	RIDGE WITH NON PROFILED APEX	1.0 JAN 2023
D 03 / 17	SAWTOOTH RIDGE	1.0 JAN 2023
D 04 / 17	INTERNAL GUTTER	1.0 JAN 2023
D 05 / 17	FLUSH EAVE WITH INTERNAL GUTTER BRACKET	1.0 JAN 2023
D 06 / 17	FLUSH EAVE WITH EXTERNAL GUTTER BRACKET	1.0 JAN 2023
D 07 / 17	BARGE WITH PROFILED CLADDING	1.0 JAN 2023
D 08 / 17	BARGE OVERHANG	1.0 JAN 2023
D 09 / 17	PARAPET WITH TRANSVERSE APRON	1.0 JAN 2023
D 10 / 17	TRANSVERSE APRON	1.0 JAN 2023
D 11 / 17	PARALLEL APRON	1.0 JAN 2023
D 12 / 17	PARALLEL HIDDEN GUTTER	1.0 JAN 2023
D 13 / 17	PARALLEL HIDDEN GUTTER (2 PART FLASHING)	1.0 JAN 2023
D 14 / 17	ROOF STEP	1.0 JAN 2023
D 15 / 17	TRANSLUCENT SHEETS - LONG SECTION	1.0 JAN 2023
D 16 / 17	TRANSLUCENT SHEETS - CROSS	1.0 JAN 2023
D 17 / 17	3D TRANSLUCENT SHEETS	1.0 JAN 2023

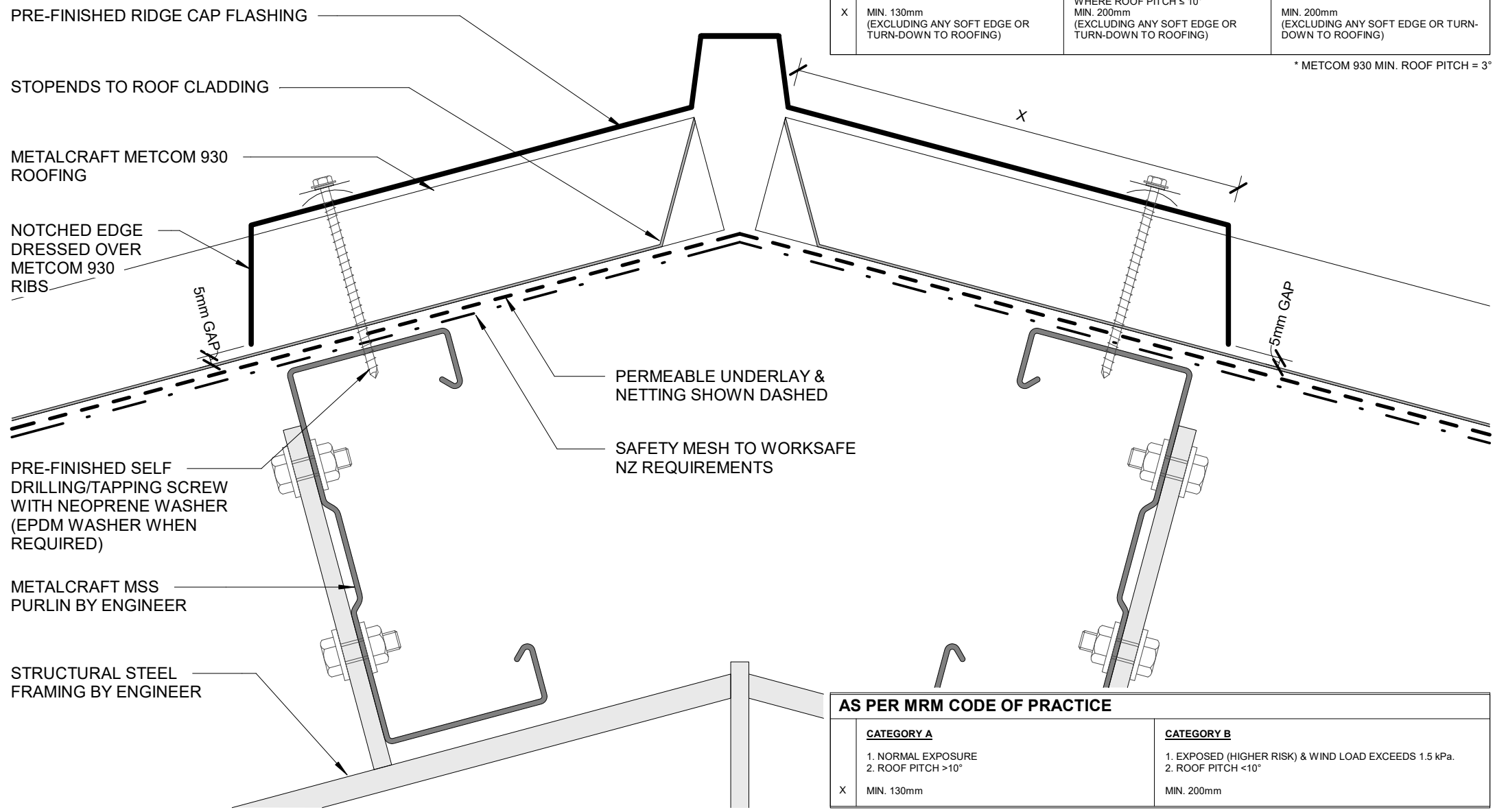
CRMCM930

**Metalcraft**  
Roofing  
[www.metalcraftgroup.co.nz](http://www.metalcraftgroup.co.nz)

**AS PER E2/ASI**

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

\* METCOM 930 MIN. ROOF PITCH = 3°

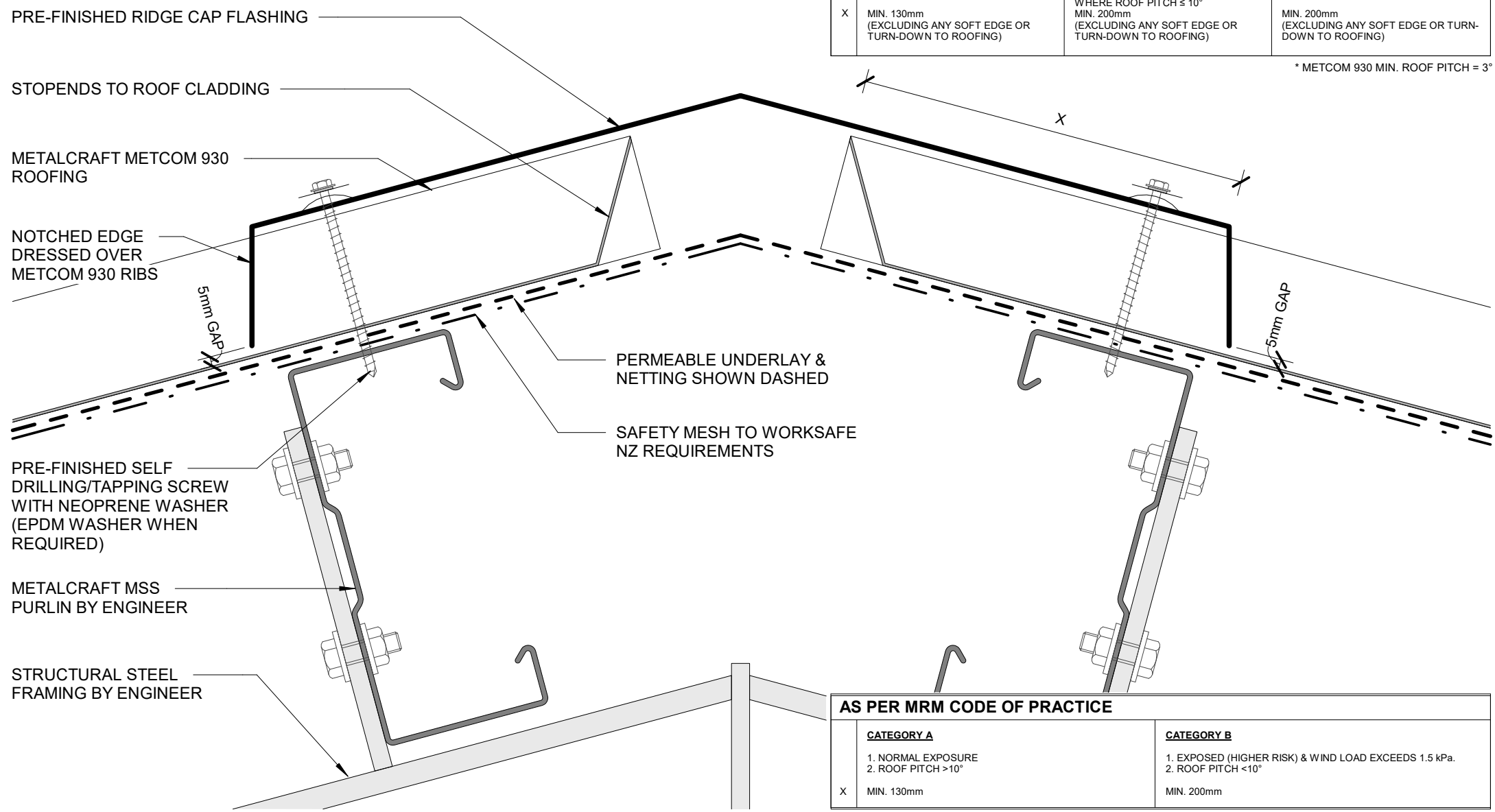


**AS PER MRM CODE OF PRACTICE**

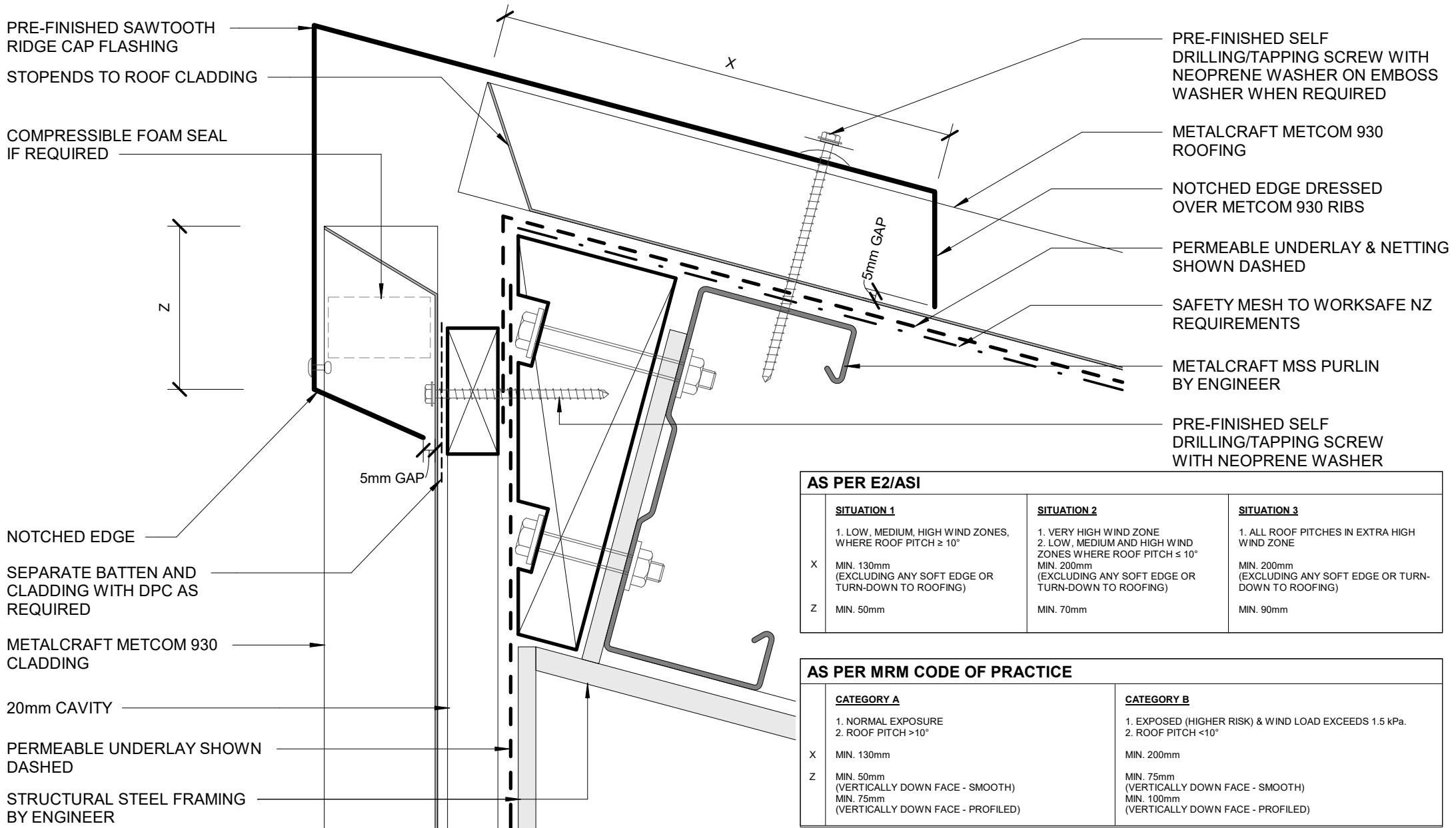
	<b>CATEGORY A</b>	<b>CATEGORY B</b>
	1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
X	MIN. 130mm	MIN. 200mm

AS PER E2/ASI			
	<b>SITUATION 1</b> 1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$ X MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	<b>SITUATION 2</b> 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)	<b>SITUATION 3</b> 1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE. MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)

\* METCOM 930 MIN. ROOF PITCH = 3°

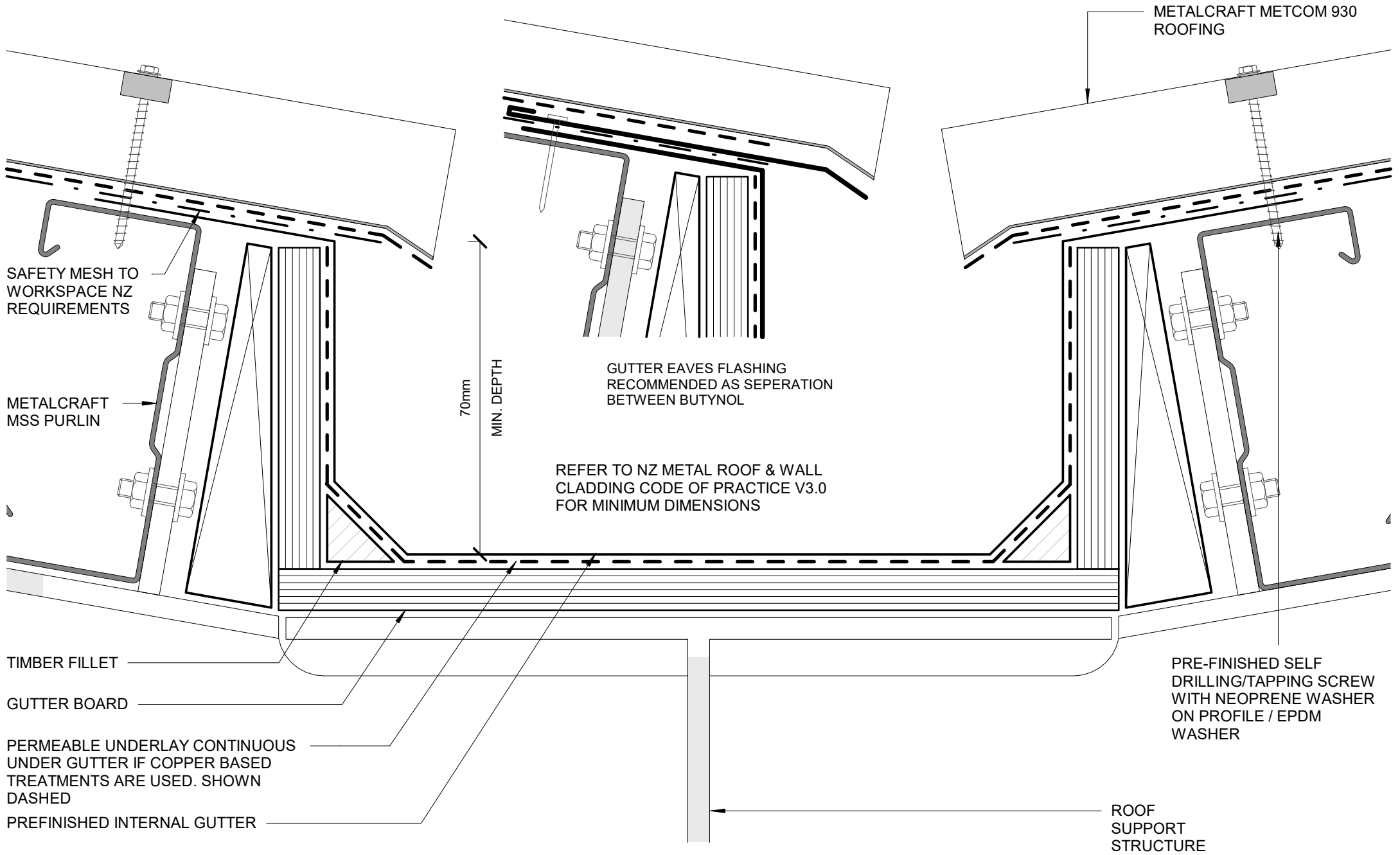


AS PER MRM CODE OF PRACTICE	
<b>CATEGORY A</b> 1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$ X MIN. 130mm	<b>CATEGORY B</b> 1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$ MIN. 200mm



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)



SAFETY MESH TO WORKSPACE NZ REQUIREMENTS

METALCRAFT MSS PURLIN

70mm  
MIN. DEPTH

GUTTER EAVES FLASHING RECOMMENDED AS SEPERATION BETWEEN BUTYNOL

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

TIMBER FILLET

GUTTER BOARD

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

PREFINISHED INTERNAL GUTTER

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH NEOPRENE WASHER ON PROFILE / EPDM WASHER

ROOF SUPPORT STRUCTURE

METALCRAFT METCOM 930 ROOFING

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

\* METCOM 930 MIN. ROOF PITCH =  $3^\circ$

$<10^\circ$  UN-BAFFLED BY SPOUTING = 70mm

10-35° = 50mm

$>35^\circ$  = 40mm

DIMENSION TO SUIT  
 SUGGEST MIN. 125mm

FOAM CLOSURE USED AS REQUIRED

METALCRAFT METCOM 930 ROOFING

PERMEABLE UNDERLAY & NETTING SHOWN DASHED

PRE-FINISHED EAVE FLASHING

METALCRAFT BOX GUTTER 125 WITH EXTERNAL BRACKET

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH NEOPRENE WASHER

SEPARATE BATTEN AND CLADDING WITH DPC AS REQUIRED

METALCRAFT METCOM 930 CLADDING ON CAVITY

METALCRAFT MSS PURLIN BY ENGINEER

PACKER

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH NEOPRENE WASHER ON PROFILE / EPDM WASHER

STRUCTURAL STEEL FRAMING BY ENGINEER

MIN. 35mm OVERLAP

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 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.

FLUSH EAVE WITH INTERNAL GUTTER BRACKET

Metcom 930

Rev. 1.0

COMMERCIAL ROOFING

Reference CRMCM930

Date JAN 2023

Scale 1 : 2

Sheet **D 05 / 17**

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 = 70mm  
 $10-35^\circ = 50\text{mm}$   
 $>35^\circ = 40\text{mm}$

DIMENSION TO SUIT  
 SUGGEST MIN. 125mm

\* METCOM 930 MIN. ROOF PITCH =  $3^\circ$

FOAM CLOSURE USED AS REQUIRED

METALCRAFT METCOM 930 ROOFING

PERMEABLE UNDERLAY & NETTING SHOWN DASHED

PRE-FINISHED EAVE FLASHING

METALCRAFT BOX GUTTER 125 WITH EXTERNAL BRACKET

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH NEOPRENE WASHER

SEPARATE BATTEN AND CLADDING WITH DPC AS REQUIRED

FASCIA BOARD

METALCRAFT METCOM 930 CLADDING ON CAVITY

METALCRAFT MSS PURLIN BY ENGINEER

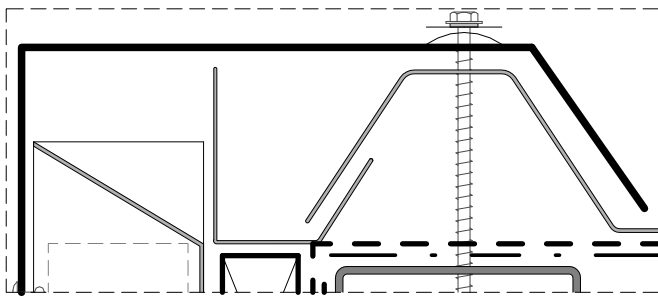
PACKER

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

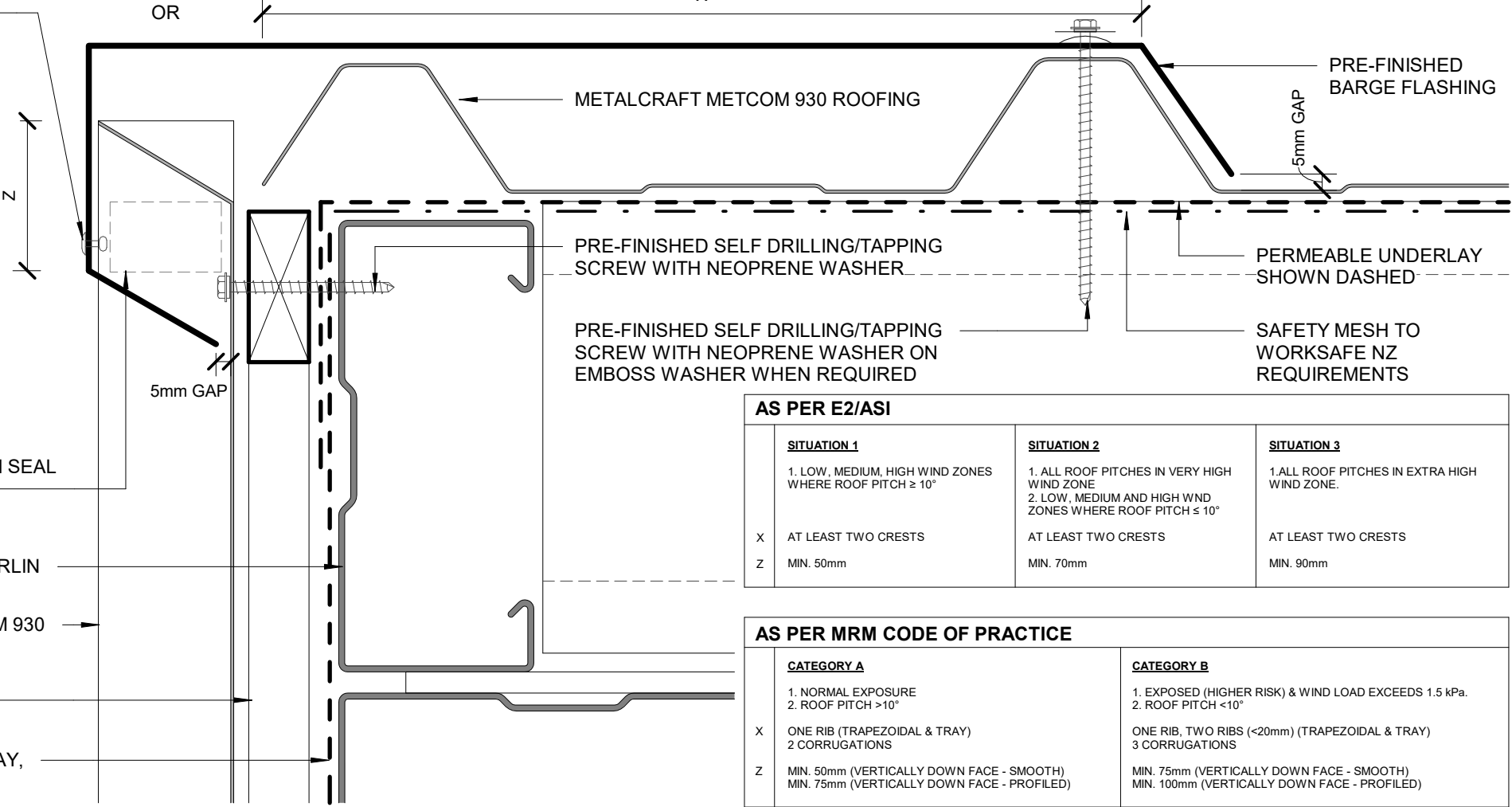
PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH NEOPRENE WASHER ON PROFILE / EPDM WASHER

STRUCTURAL STEEL FRAMING BY ENGINEER

MIN. 35mm  
 OVERLAP



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



COMPRESSIBLE FOAM SEAL IF REQUIRED

METALCRAFT MSS PURLIN BY ENGINEER

METALCRAFT METCOM 930 CLADDING

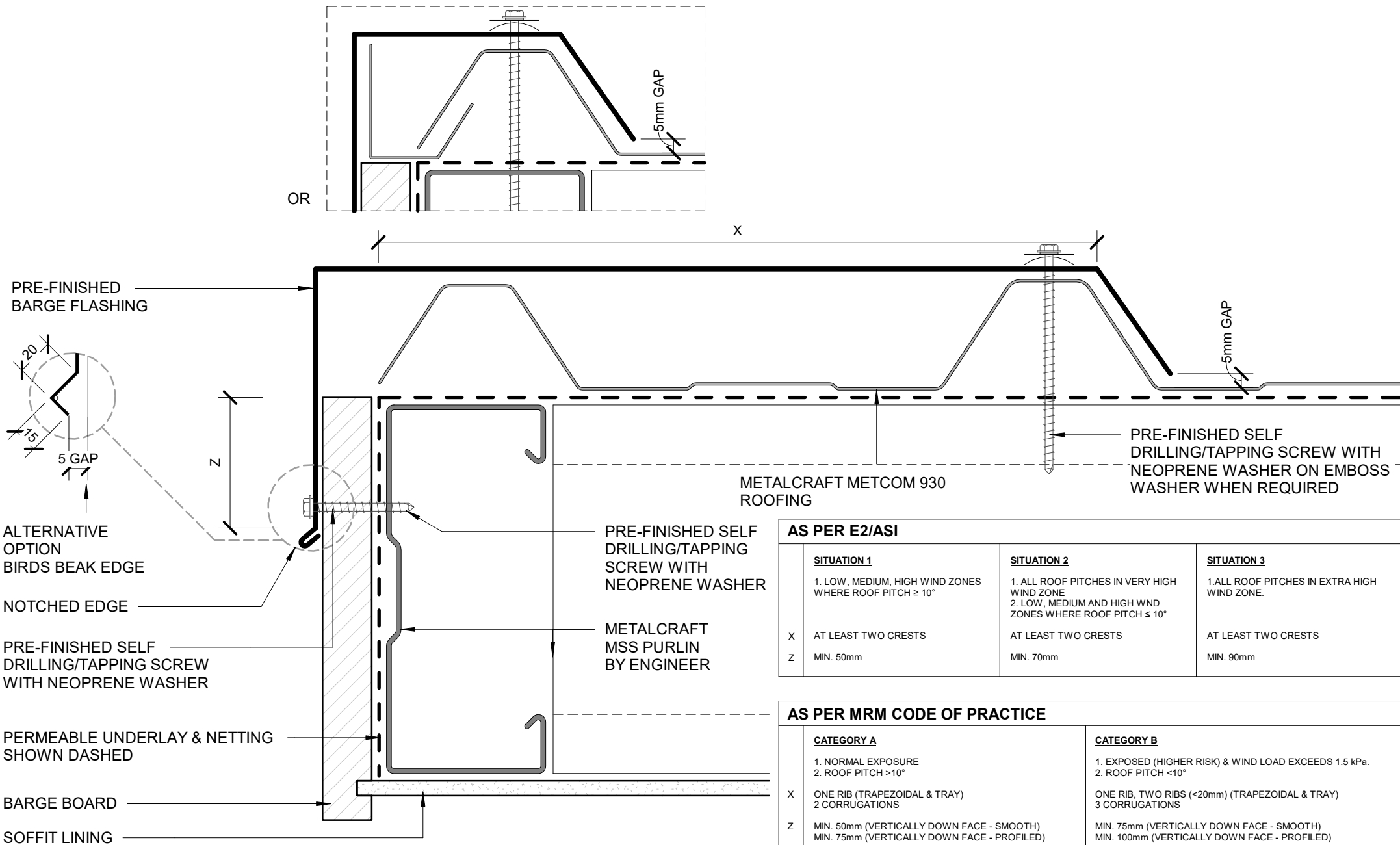
20mm CAVITY

PERMEABLE UNDERLAY, SHOWN DASHED

AS PER E2/ASI			
	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH 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
	1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$
X	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS
Z	MIN. 50mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 75mm (VERTICALLY DOWN FACE - PROFILED)
	CATEGORY B
	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
	ONE RIB, TWO RIBS ( $<20\text{mm}$ ) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS
	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 100mm (VERTICALLY DOWN FACE - PROFILED)



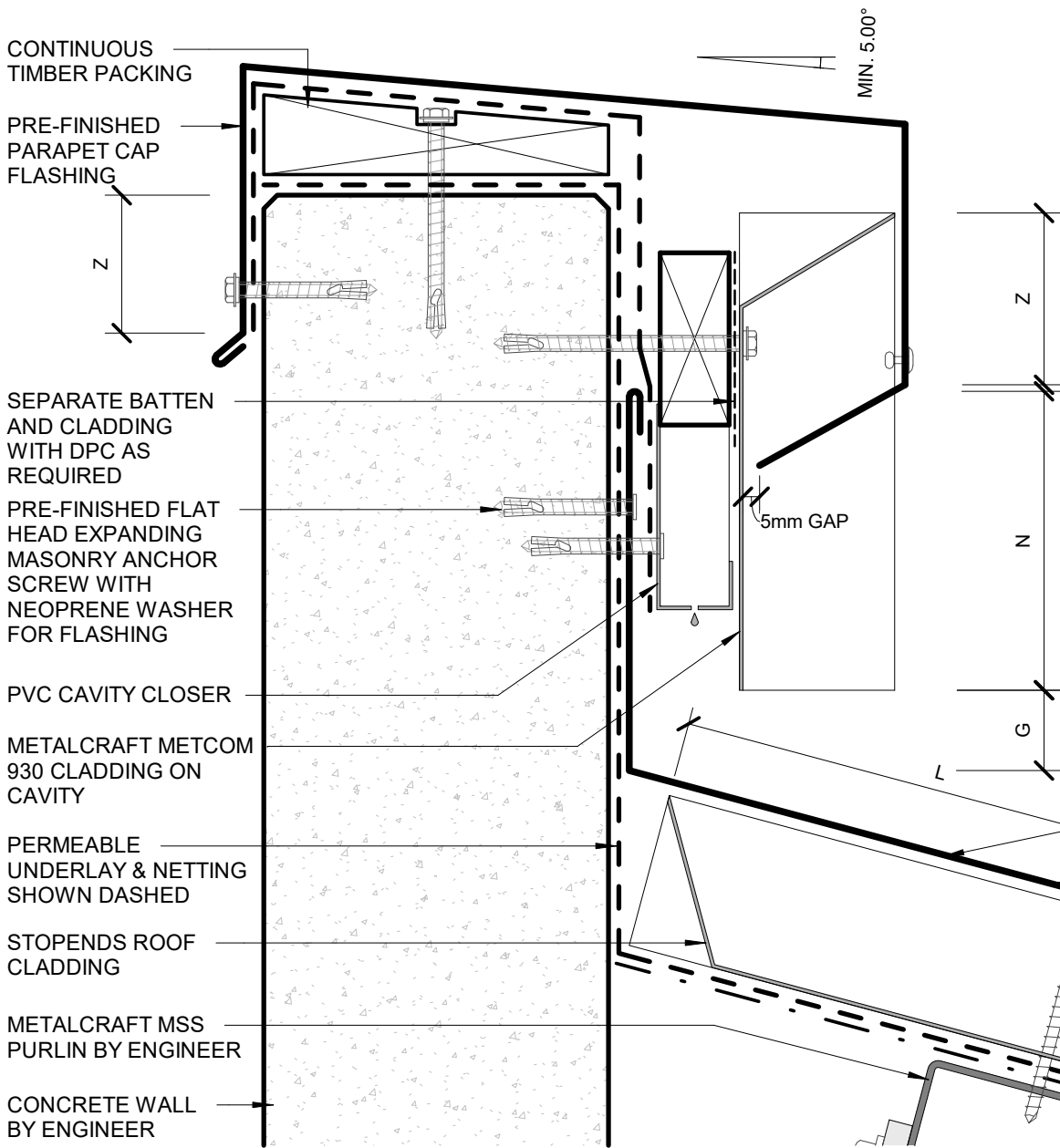


**AS PER E2/ASI**

	<b>SITUATION 1</b>	<b>SITUATION 2</b>	<b>SITUATION 3</b>
	1. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH WND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE.
X	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS
Z	MIN. 50mm	MIN. 70mm	MIN. 90mm

**AS PER MRM CODE OF PRACTICE**

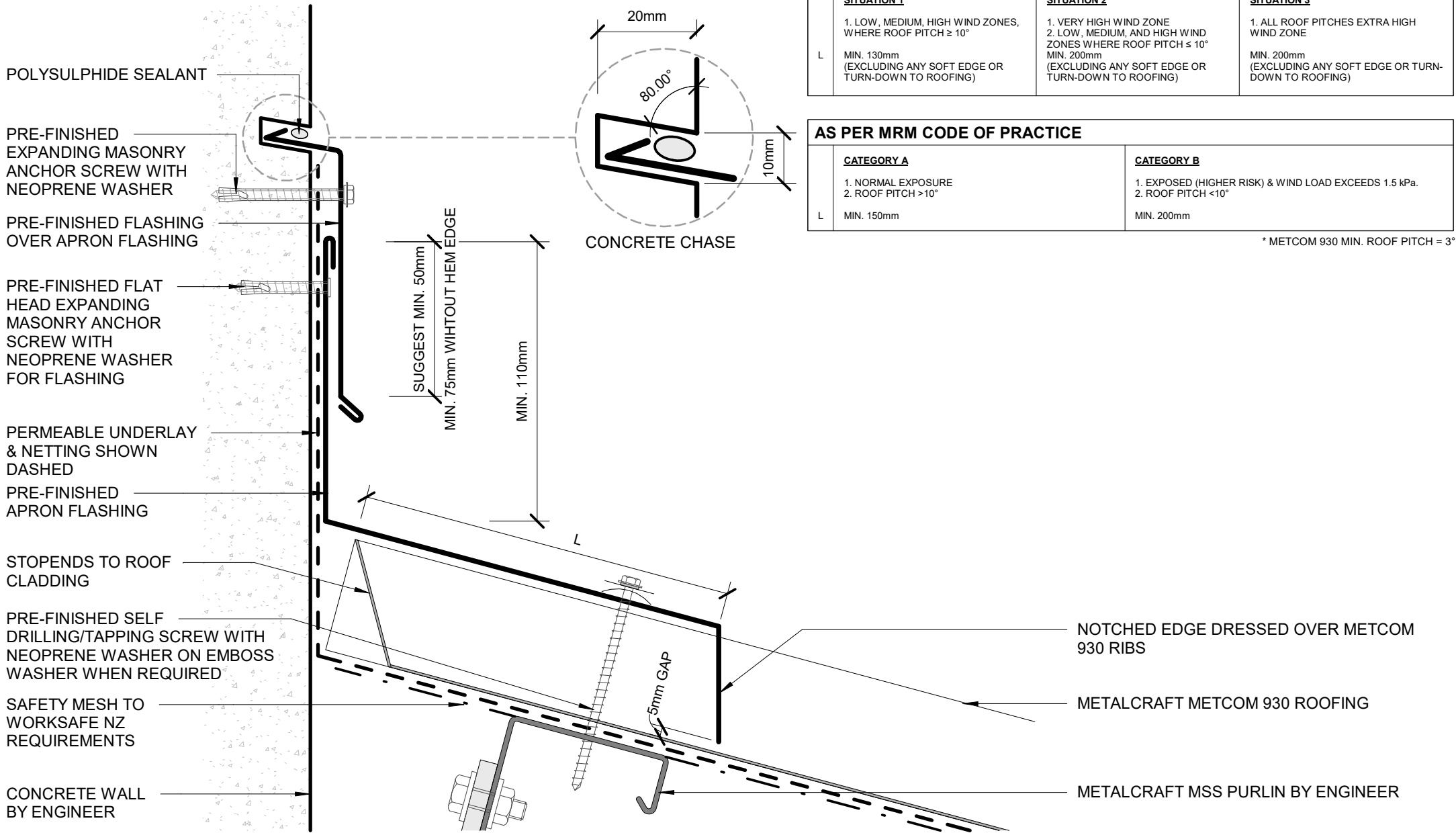
	<b>CATEGORY A</b>	<b>CATEGORY B</b>
	1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
X	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS	ONE RIB, TWO RIBS ( $<20\text{mm}$ ) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS
Z	MIN. 50mm (VERTICALLY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



AS PER E2/AS11			
	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. 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)

\* METCOM 930 MIN. ROOF PITCH = 3°



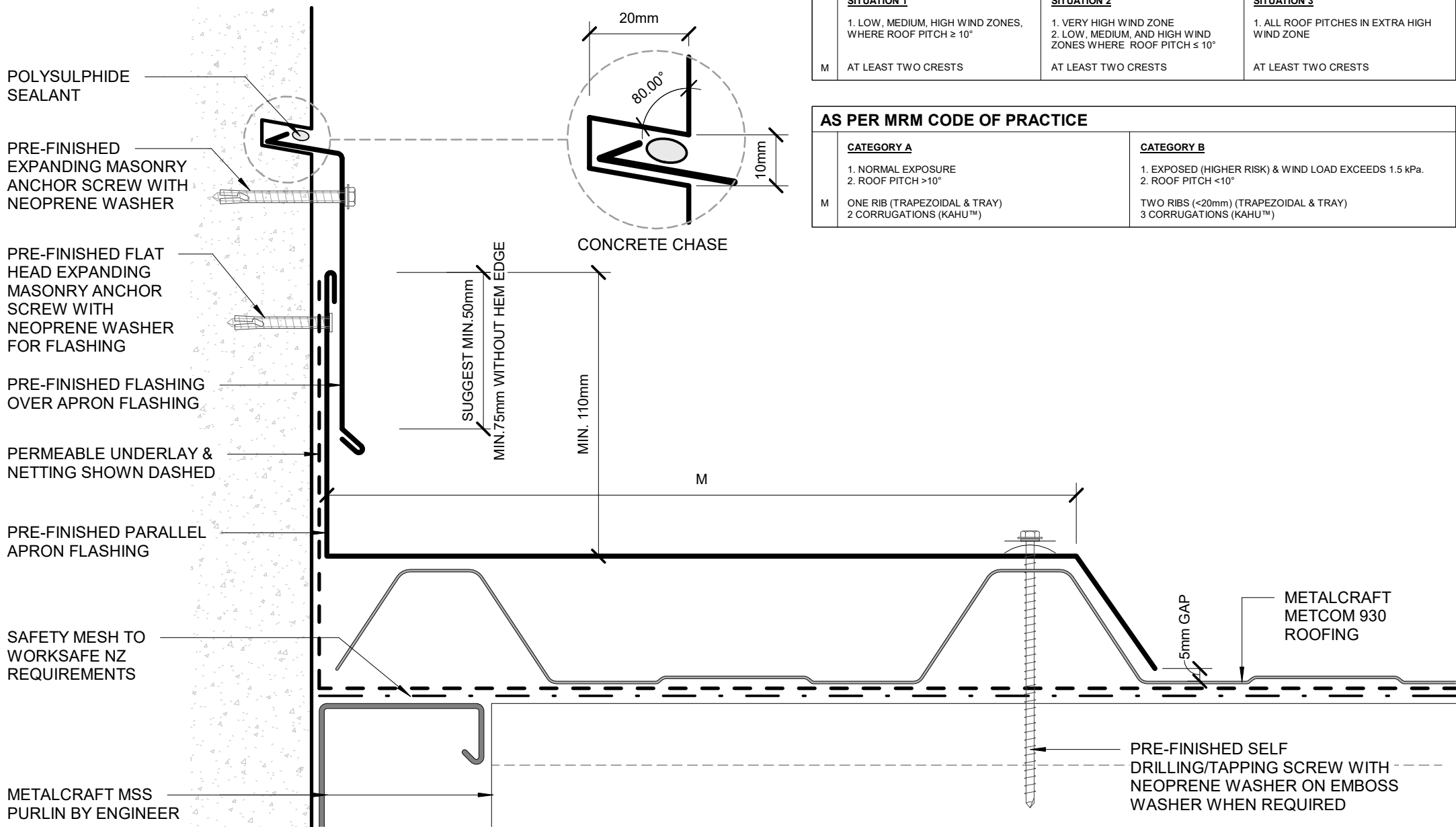
**AS PER E2/ASI**

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

**AS PER MRM CODE OF PRACTICE**

	<b>CATEGORY A</b>	<b>CATEGORY B</b>
	1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
L	MIN. 150mm	MIN. 200mm

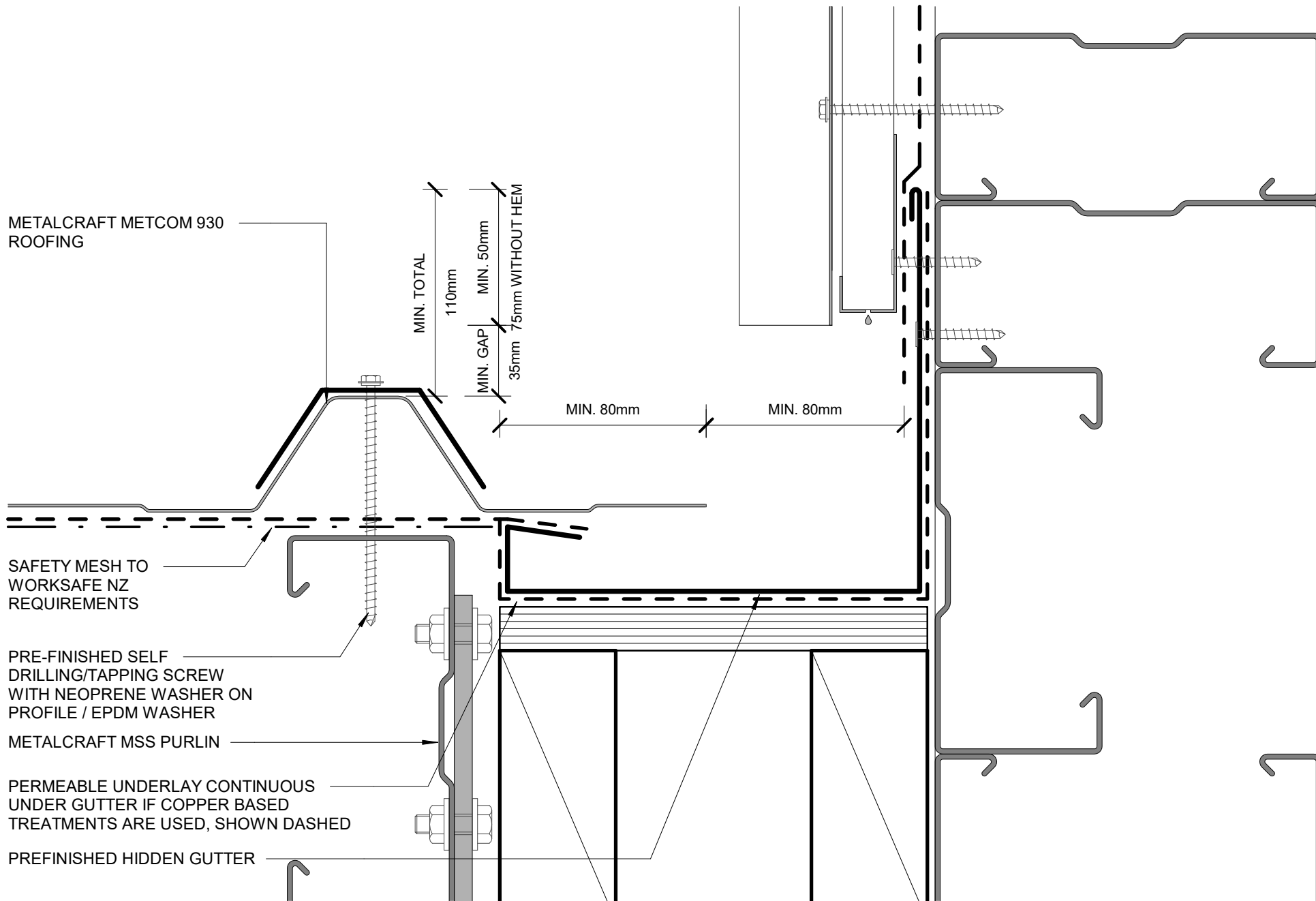
\* METCOM 930 MIN. ROOF PITCH =  $3^\circ$



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
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 $< 10^\circ$
M	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS (KAHU™)	TWO RIBS ( $< 20\text{mm}$ ) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS (KAHU™)

METALCRAFT METCOM 930  
ROOFING



METALCRAFT METCOM 930  
ROOFING

SAFETY MESH TO  
WORKSAFE NZ  
REQUIREMENTS

PRE-FINISHED SELF  
DRILLING/TAPPING SCREW WITH  
NEOPRENE WASHER ON  
PROFILE / EPDM WASHER

METALCRAFT MSS PURLIN

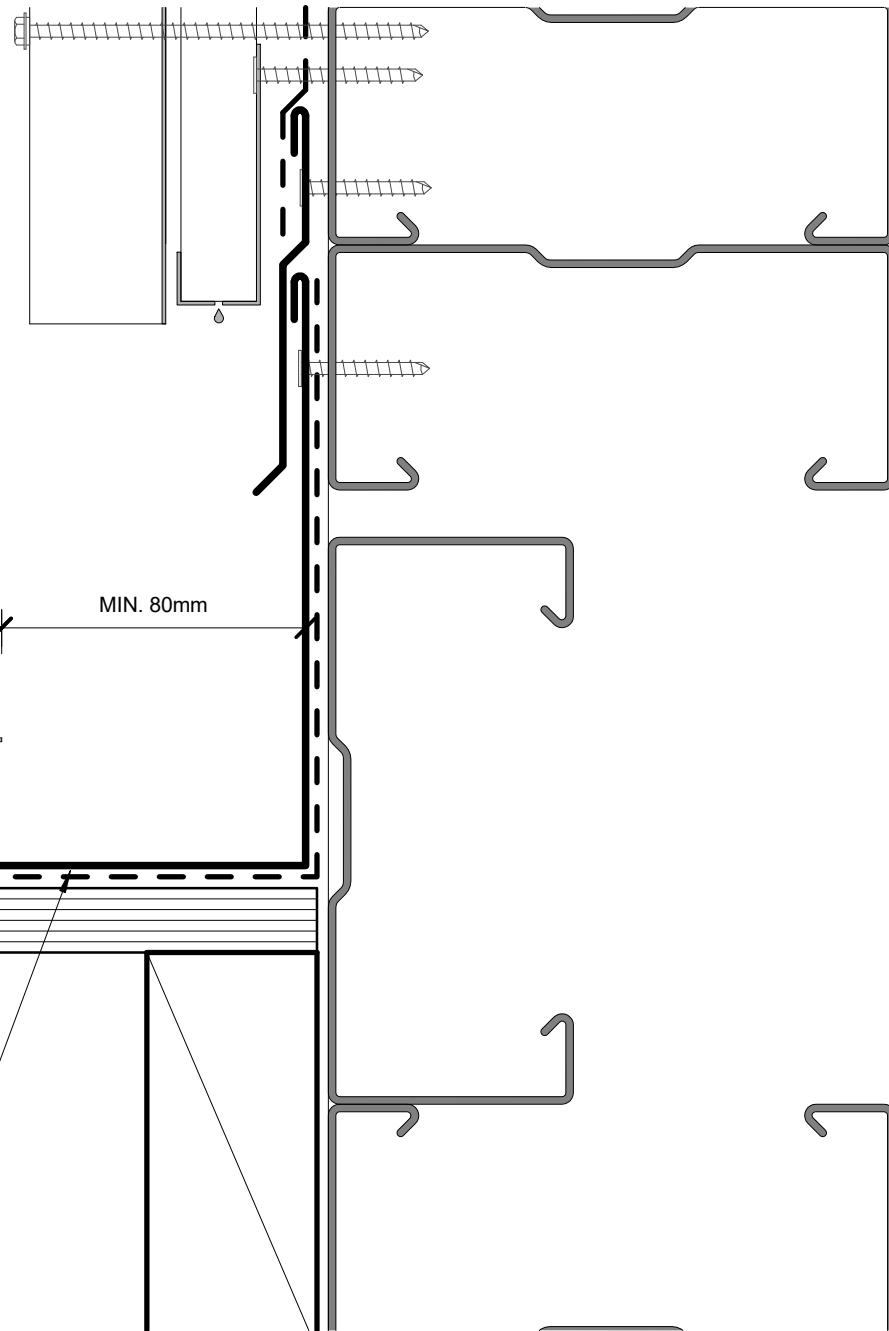
PERMEABLE UNDERLAY CONTINUOUS  
UNDER GUTTER IF COPPER BASED  
TREATMENTS ARE USED, SHOWN  
DASHED

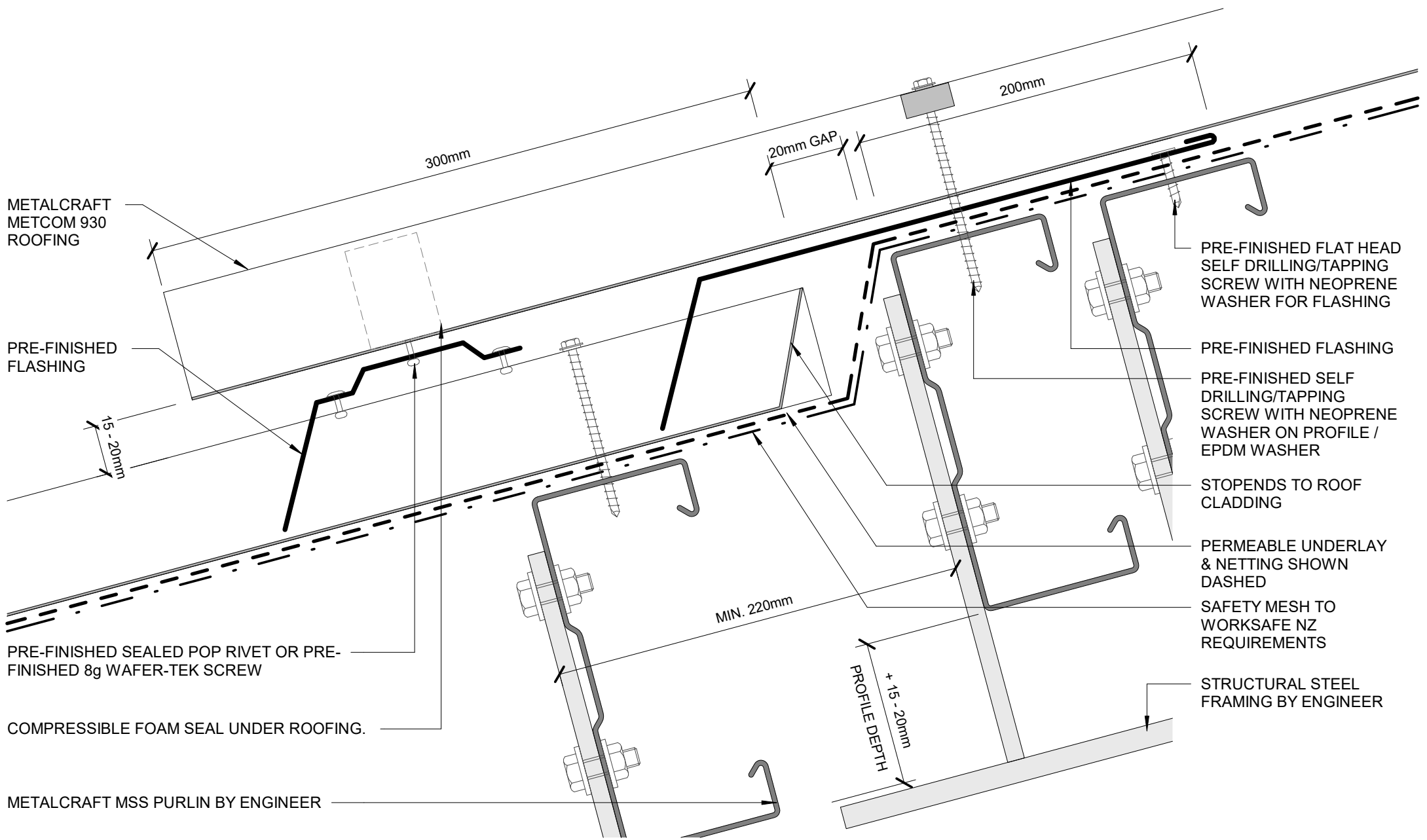
PREFINISHED HIDDEN GUTTER

MIN. TOTAL  
110mm  
MIN. 50mm  
75mm WITHOUT HEM  
MIN. GAP  
35mm

MIN. 80mm

MIN. 80mm

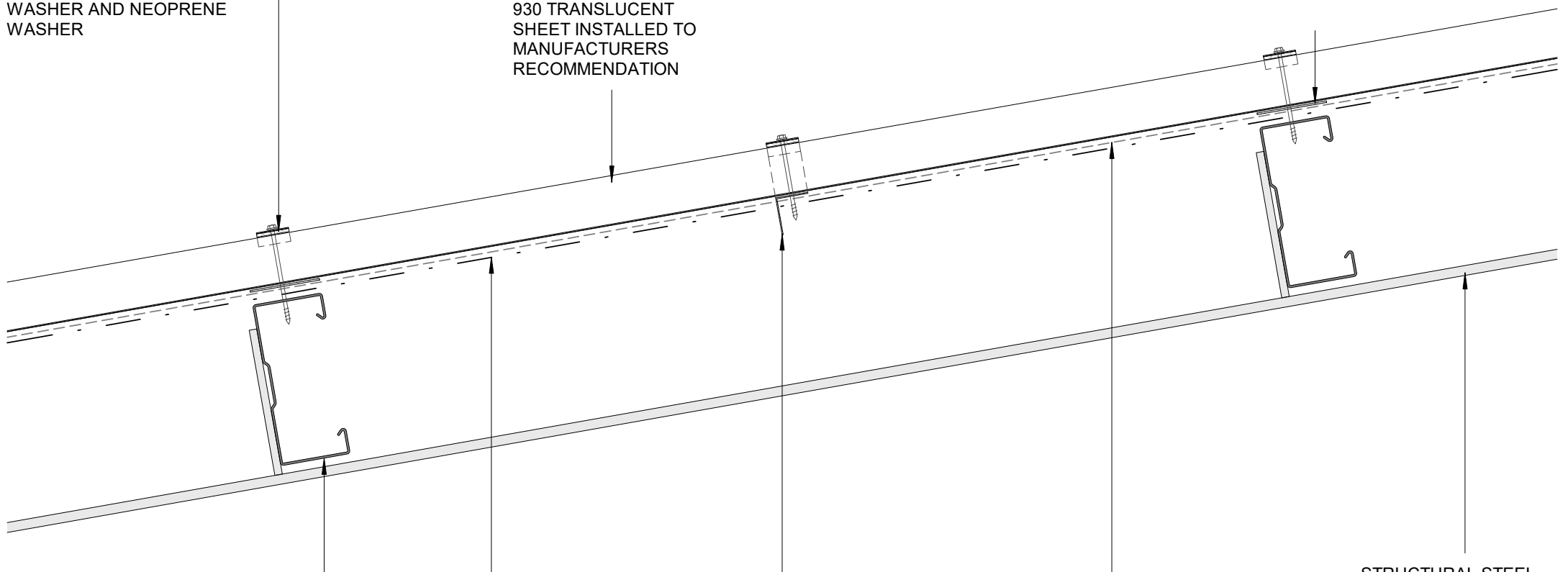




FIXING WITH PROFILED WASHER AND NEOPRENE WASHER

METALCRAFT METCOM 930 TRANSLUCENT SHEET INSTALLED TO MANUFACTURERS RECOMMENDATION

PURLIN PROTECTION



METALCRAFT MSS PURLIN BY ENGINEER

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

MID SPAN SUPPORT

PURLIN TAPE BARRIER STRIP

STRUCTURAL STEEL FRAMING BY ENGINEER

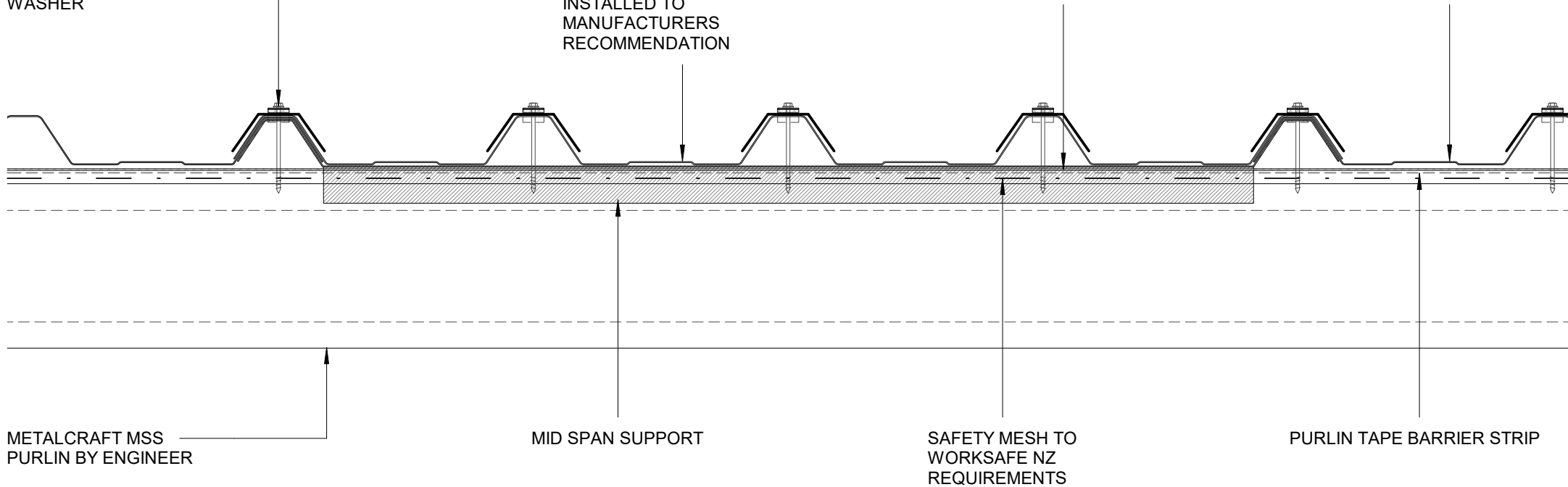


FIXING WITH PROFILED WASHER AND NEOPRENE WASHER

METALCRAFT METCOM 930 TRANSLUCENT SHEET INSTALLED TO MANUFACTURERS RECOMMENDATION

PURLIN PROTECTION

METALCRAFT METCOM 930 ROOFING

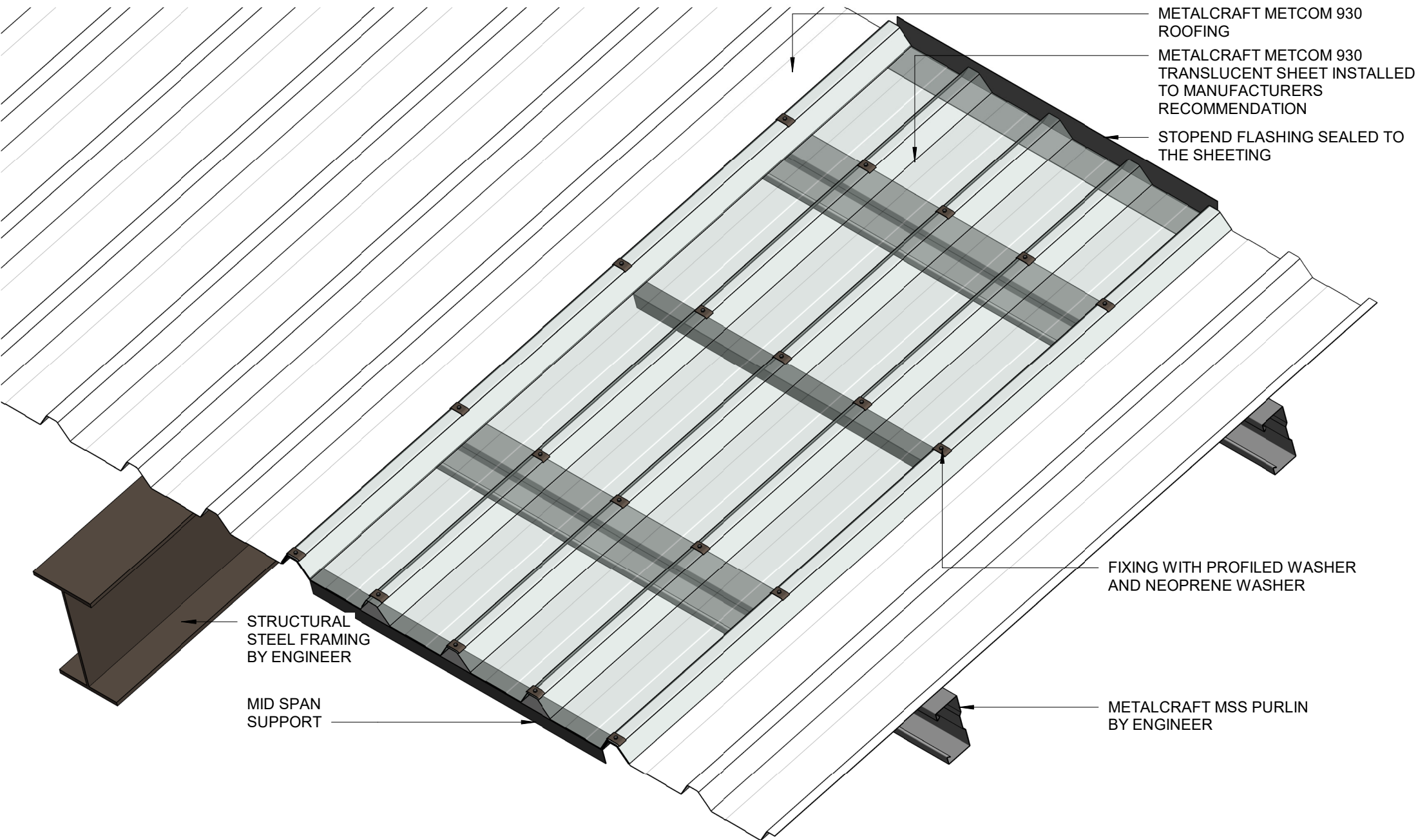


METALCRAFT MSS PURLIN BY ENGINEER

MID SPAN SUPPORT

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

PURLIN TAPE BARRIER STRIP



METALCRAFT METCOM 930 ROOFING

METALCRAFT METCOM 930 TRANSLUCENT SHEET INSTALLED TO MANUFACTURERS RECOMMENDATION

STOPEND FLASHING SEALED TO THE SHEETING

STRUCTURAL STEEL FRAMING BY ENGINEER

MID SPAN SUPPORT

FIXING WITH PROFILED WASHER AND NEOPRENE WASHER

METALCRAFT MSS PURLIN BY ENGINEER