

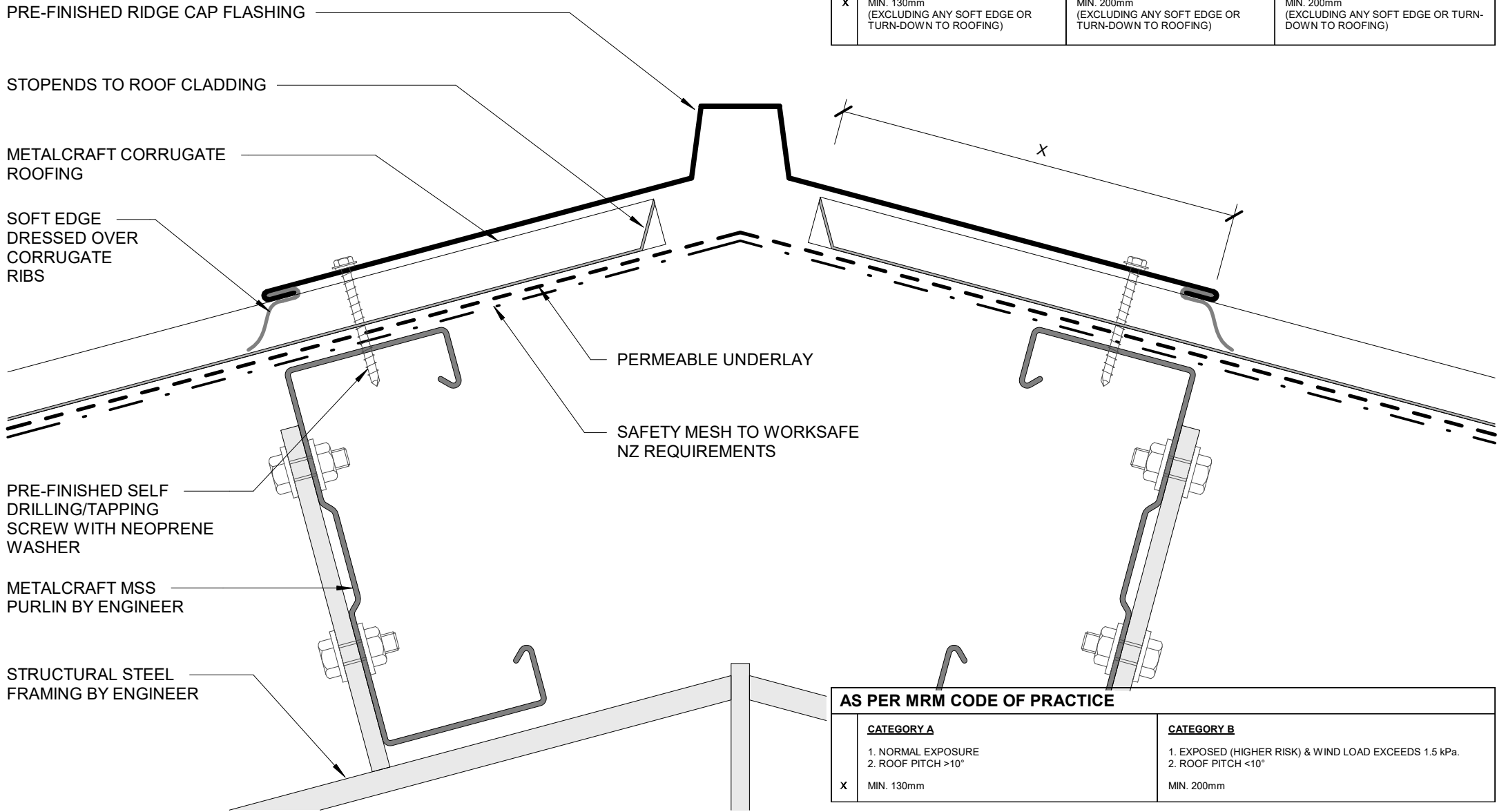
# Corrugate

## COMMERCIAL ROOFING

### DETAIL LIST

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

AS PER E2/ASI			
	<b>SITUATION 1</b> 1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	<b>SITUATION 2</b> 1. VERY HIGH WIND ZONE 2. LOW, MEDIUM & HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	<b>SITUATION 3</b> 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)



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

**RIDGE WITH PROFILED APEX**  
**COMMERCIAL ROOFING**

**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)

PRE-FINISHED RIDGE CAP FLASHING

STOPENDS TO ROOF CLADDING

METALCRAFT CORRUGATE ROOFING

SOFT EDGE DRESSED OVER CORRUGATE RIBS

PERMEABLE UNDERLAY

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH NEOPRENE WASHER

METALCRAFT MSS PURLIN BY ENGINEER

STRUCTURAL STEEL FRAMING BY ENGINEER

**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

**Metalcraft**  
Roofing

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**RIDGE WITH NON PROFILED APEX**  
**COMMERCIAL ROOFING**

Corrugate

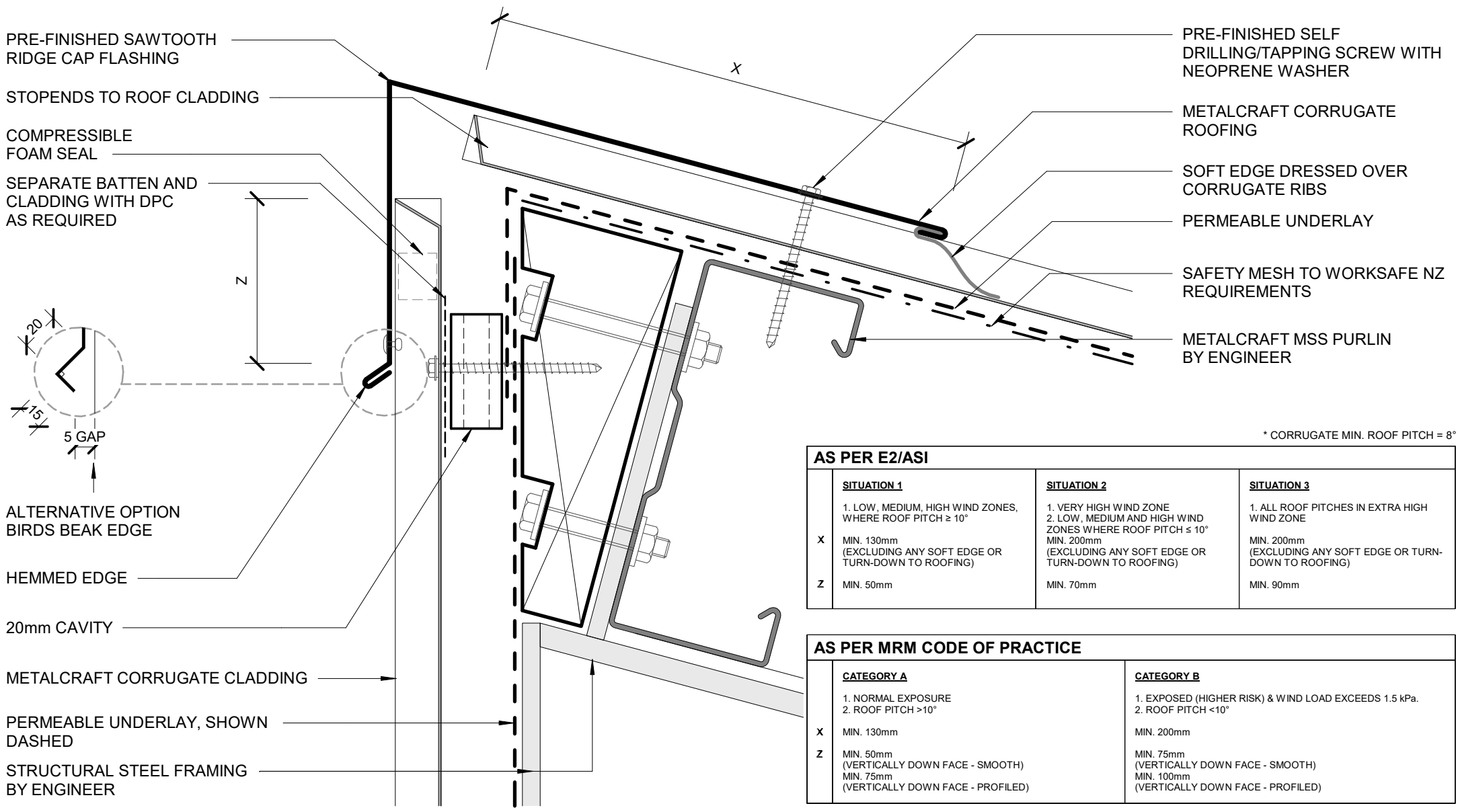
Rev. 1.0

Reference CRCG

Date JAN 2023

Scale 1 : 2

Sheet **E 02 / 17**



**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 ≥ 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
<b>X</b>	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)
<b>Z</b>	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°	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10°
<b>X</b>	MIN. 130mm	MIN. 200mm
<b>Z</b>	MIN. 50mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 75mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 100mm (VERTICALLY DOWN FACE - PROFILED)

PRE-FINISHED SELF  
DRILLING/TAPPING  
SCREW WITH  
NEOPRENE WASHER

METALCRAFT CORRUGATE  
ROOFING

GUTTER EAVES FLASHING  
RECOMMENDED AS  
SEPERATION  
BETWEEN BUTYNOL

SAFETY MESH TO  
WORKSPACE NZ  
REQUIREMENTS

METALCRAFT  
MSS PURLIN

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

TIMBER FILLET

GUTTER BOARD

PERMEABLE UNDERLAY CONTINUOUS  
UNDER GUTTER

INTERNAL GUTTER MATERIAL AS PER  
E2/AS1

ROOF  
SUPPORT  
STRUCTURE

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Roofing

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Corrugate

Rev. 1.0

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Date JAN 2023

Scale 1 : 2

**INTERNAL GUTTER**  
COMMERCIAL ROOFING

Sheet **E 04 / 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° = 50mm

$>35^\circ$  = 40mm

DIMENSION TO SUIT  
 SUGGEST MIN. 125mm

\* CORRUGATE MIN. ROOF PITCH = 8°

FOAM CLOSURE USED AS REQUIRED

METALCRAFT CORRUGATE ROOFING

PERMEABLE UNDERLAY

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 CORRUGATE  
 CLADDING ON CAVITY

FASCIA BOARD

SEPARATE WALL CLADDING AND FASCIA  
 WITH DPC AS REQUIRED

METALCRAFT MSS PURLIN BY ENGINEER

MIN 35mm  
 OVERLAP

PACKER

SAFETY MESH TO  
 WORKSAFE NZ  
 REQUIREMENTS

PRE-FINISHED SELF  
 DRILLING/TAPPING SCREW  
 WITH NEOPRENE WASHER

STRUCTURAL STEEL  
 FRAMING BY ENGINEER

**Metalcraft**  
 Roofing

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FLUSH EAVE WITH EXTERNAL GUTTER BRACKET

Corrugate

Rev. 1.0

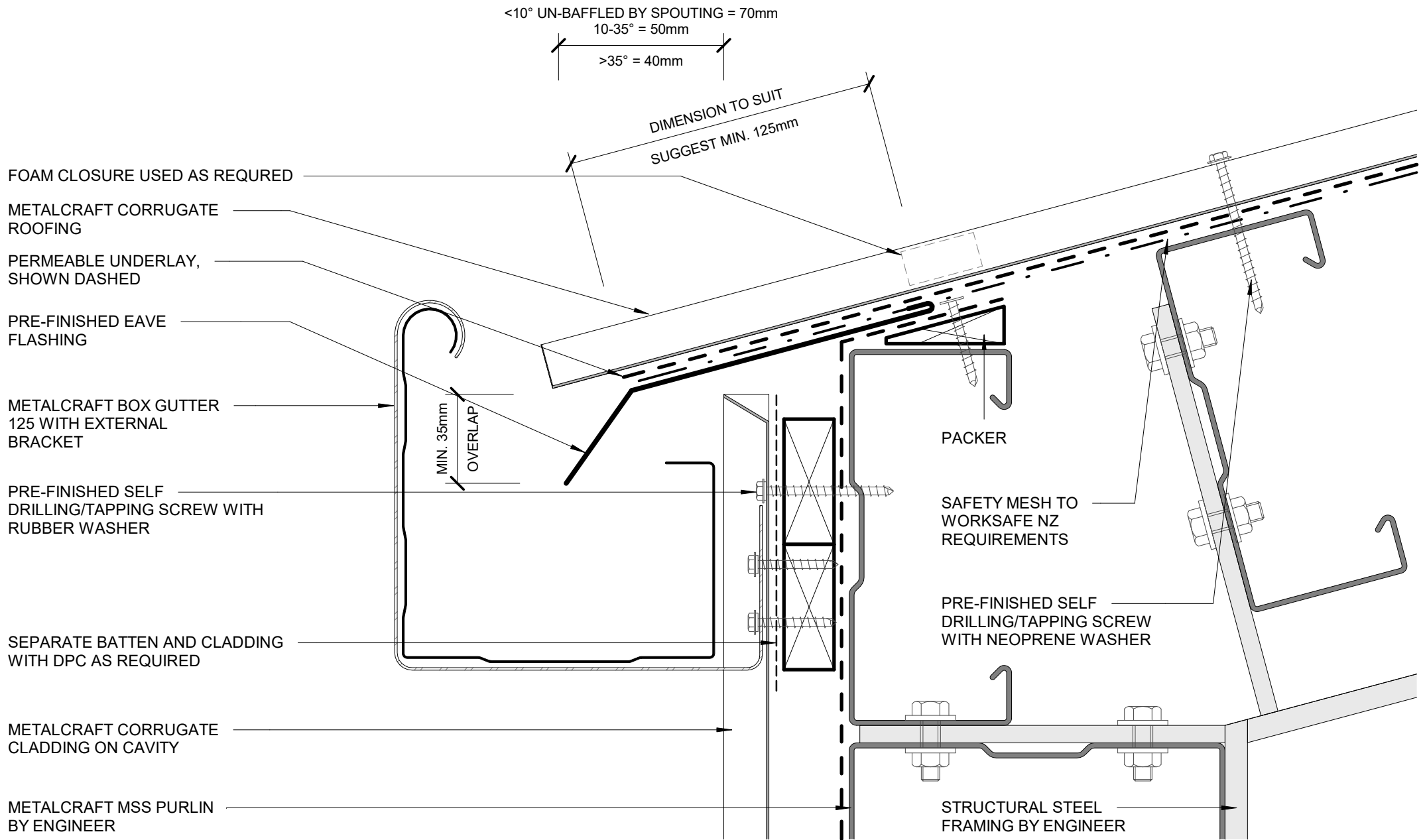
COMMERCIAL ROOFING

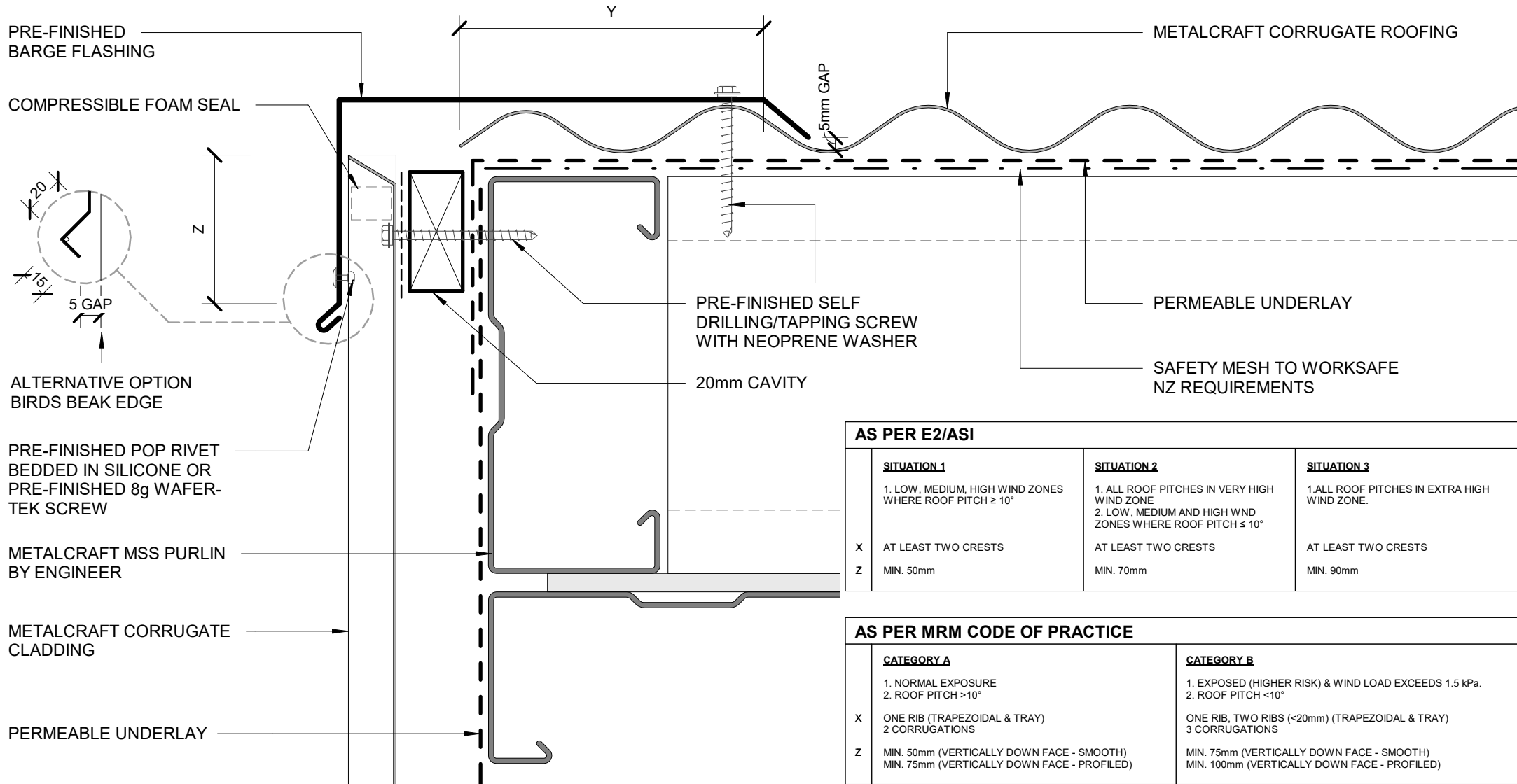
Reference CRCG

Date JAN 2023

Scale 1 : 2

Sheet **E 05 / 17**





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

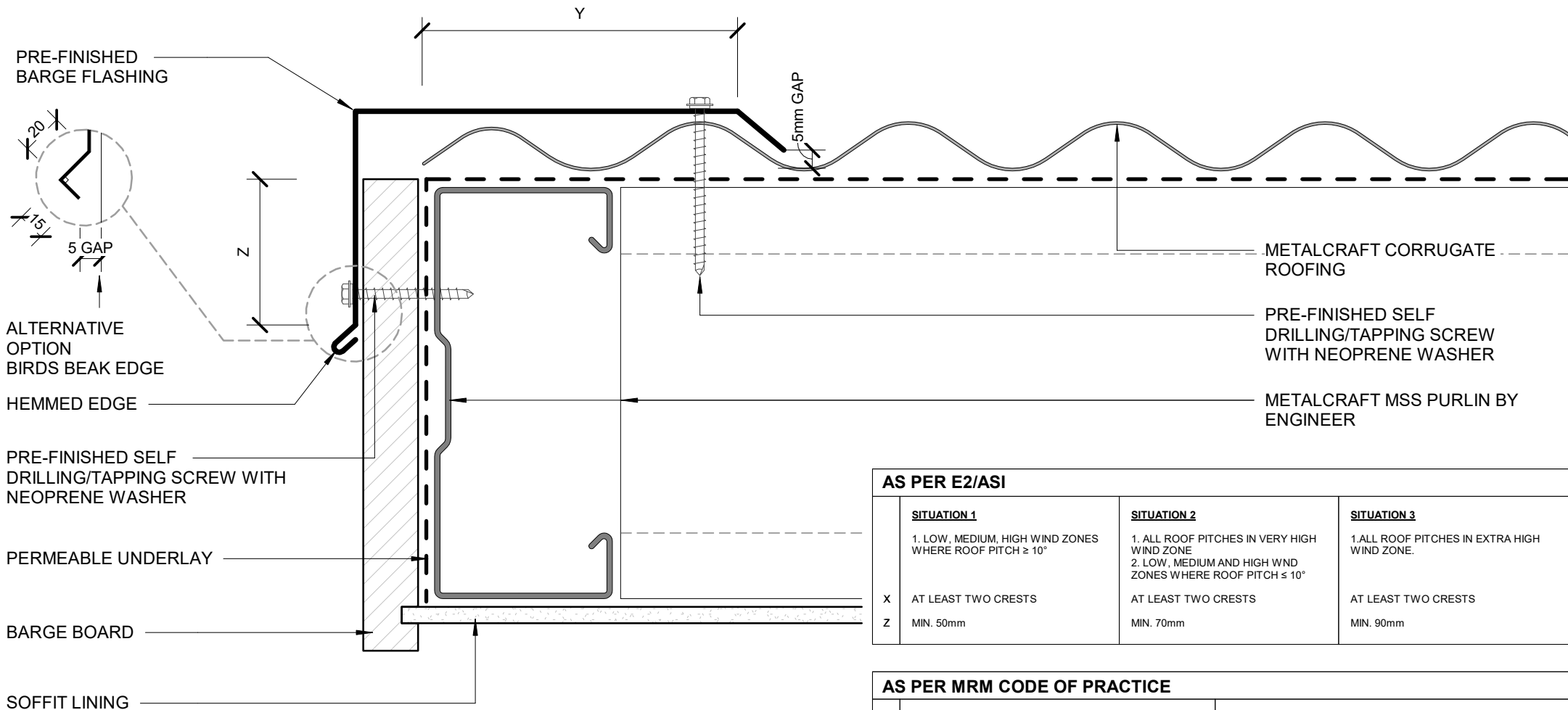
AS PER MRM CODE OF PRACTICE		
	CATEGORY A	CATEGORY B
	1. NORMAL EXPOSURE 2. ROOF PITCH $> 10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $< 10^\circ$
X	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS	ONE RIB, TWO RIBS ( $< 20\text{mm}$ ) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS
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)

**BARGE WITH PROFILED CLADDING**

Corrugate Rev. 1.0 **COMMERCIAL ROOFING**

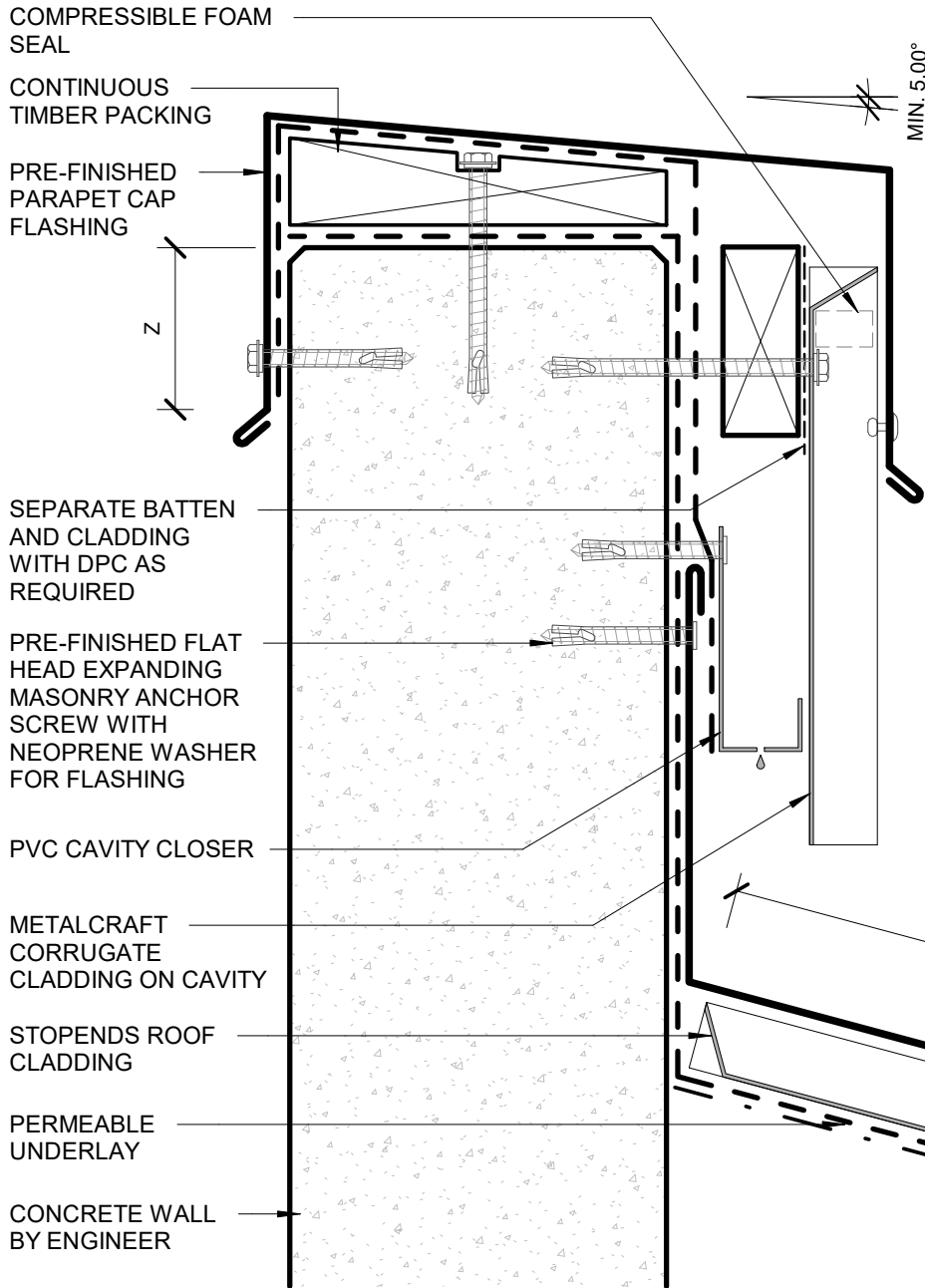
Reference CRCG Date JAN 2023 Scale 1 : 2 Sheet **E 07 / 17**





AS PER E2/ASI			
	<u>SITUATION 1</u>	<u>SITUATION 2</u>	<u>SITUATION 3</u>
	1. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE.
X	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS
Z	MIN. 50mm	MIN. 70mm	MIN. 90mm

AS PER MRM CODE OF PRACTICE		
	<u>CATEGORY A</u>	<u>CATEGORY B</u>
	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)



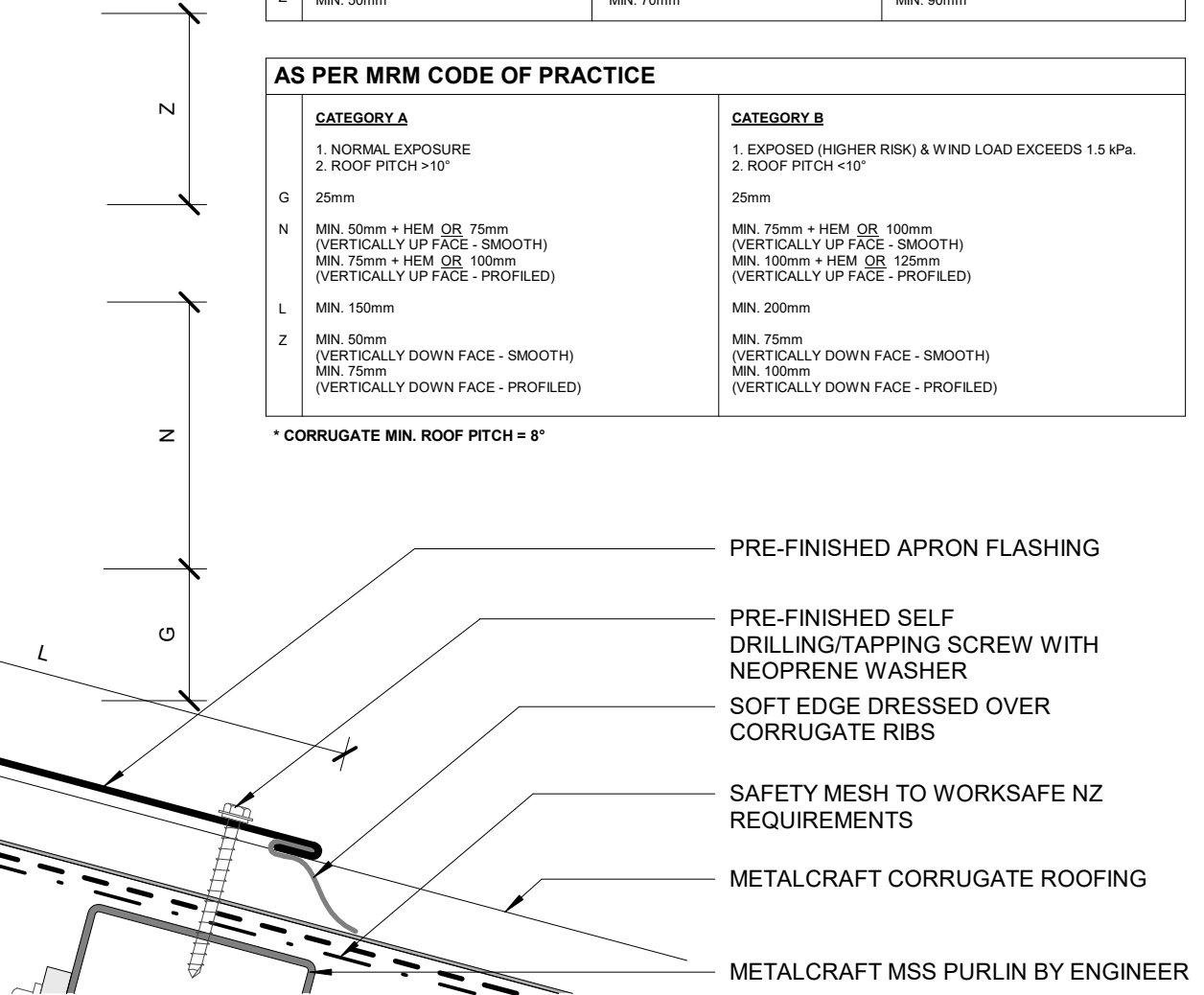
### AS PER E2/ASI

	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)

\* CORRUGATE MIN. ROOF PITCH =  $8^\circ$



# Metalcraft Roofing

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## PARAPET WITH TRANSVERSE APRON

Corrugate

Rev. 1.0

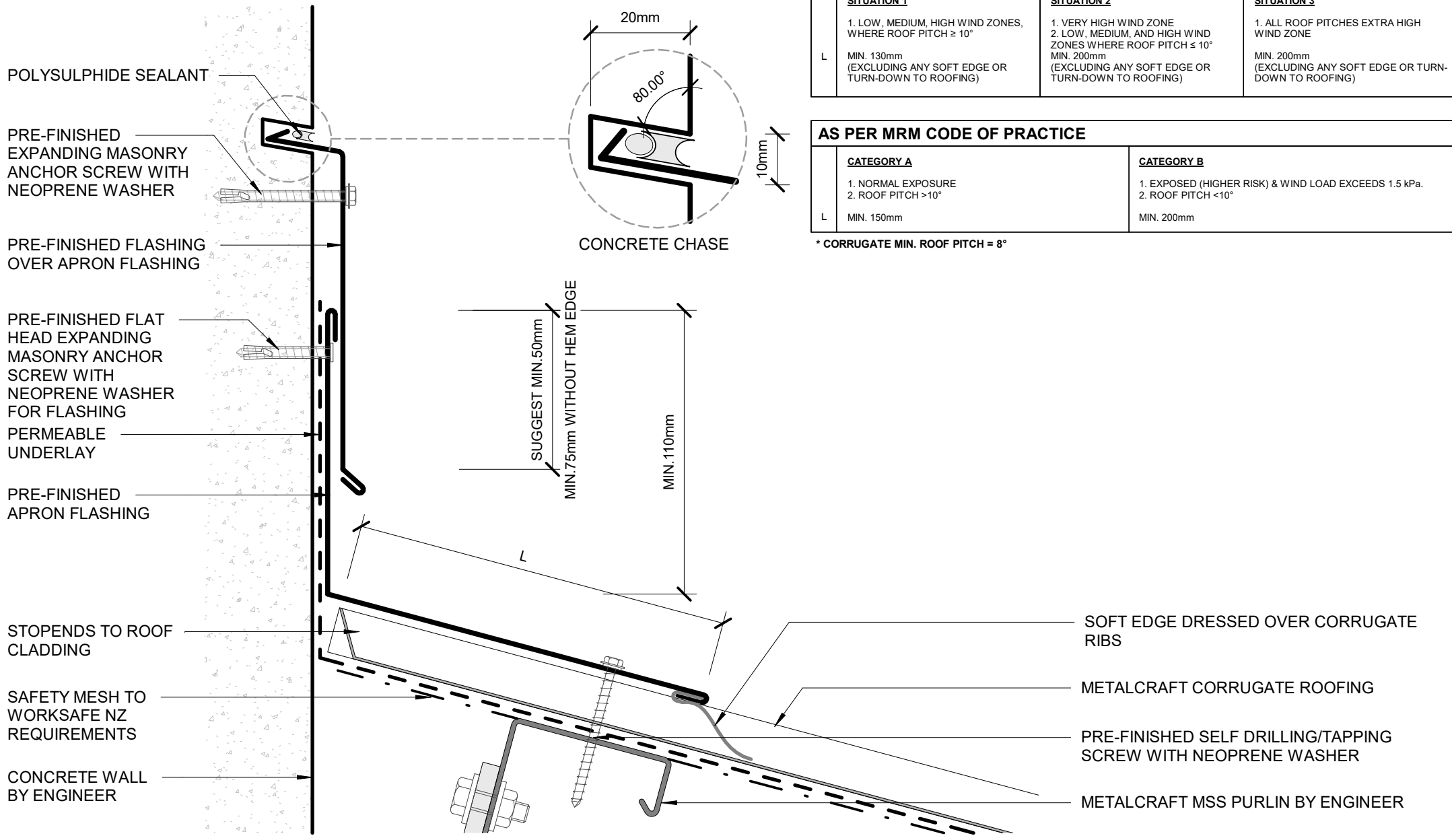
COMMERCIAL ROOFING

Reference CRCG

Date JAN 2023

Scale 1 : 2

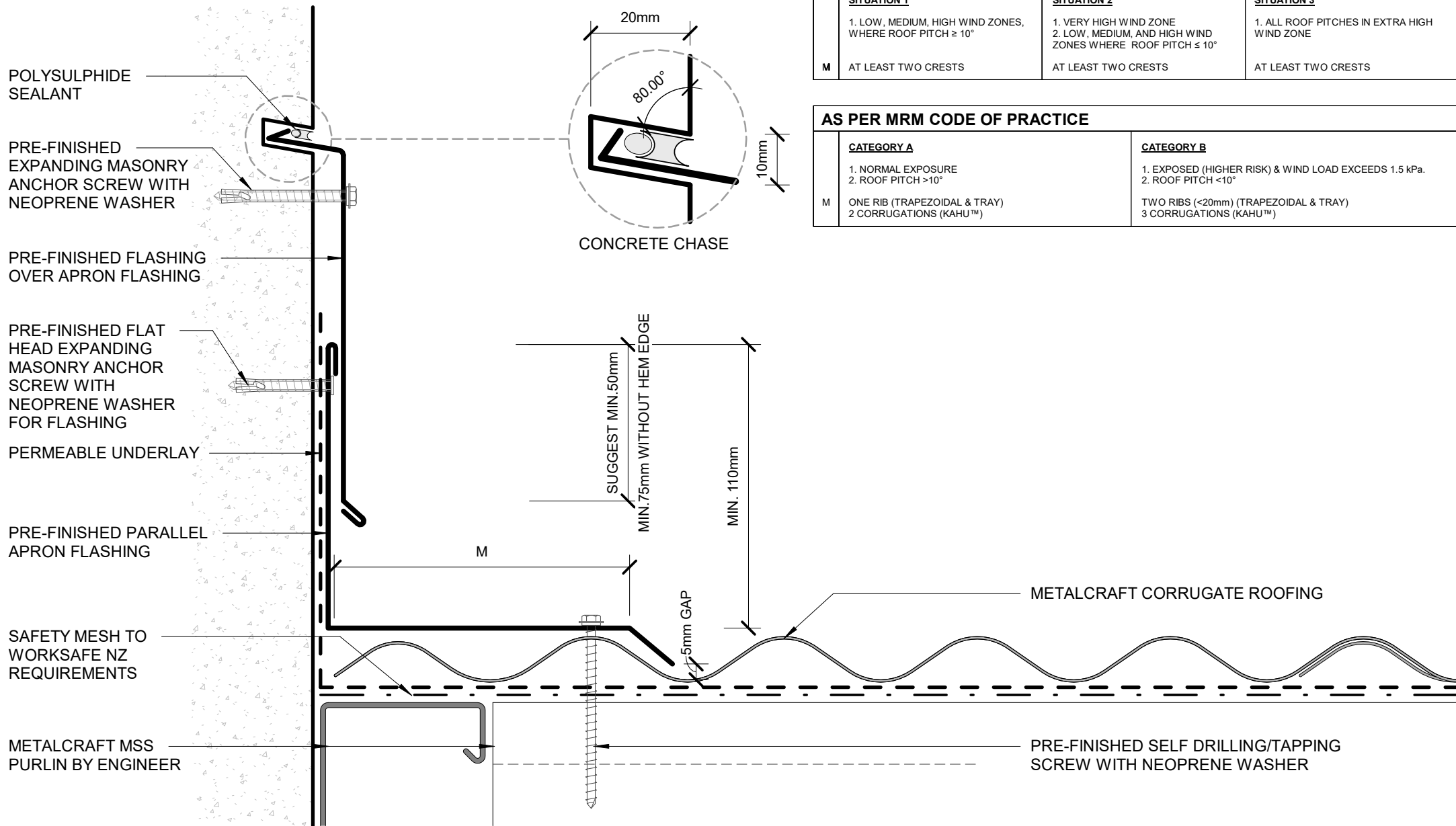
Sheet **E 09 / 17**



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 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)

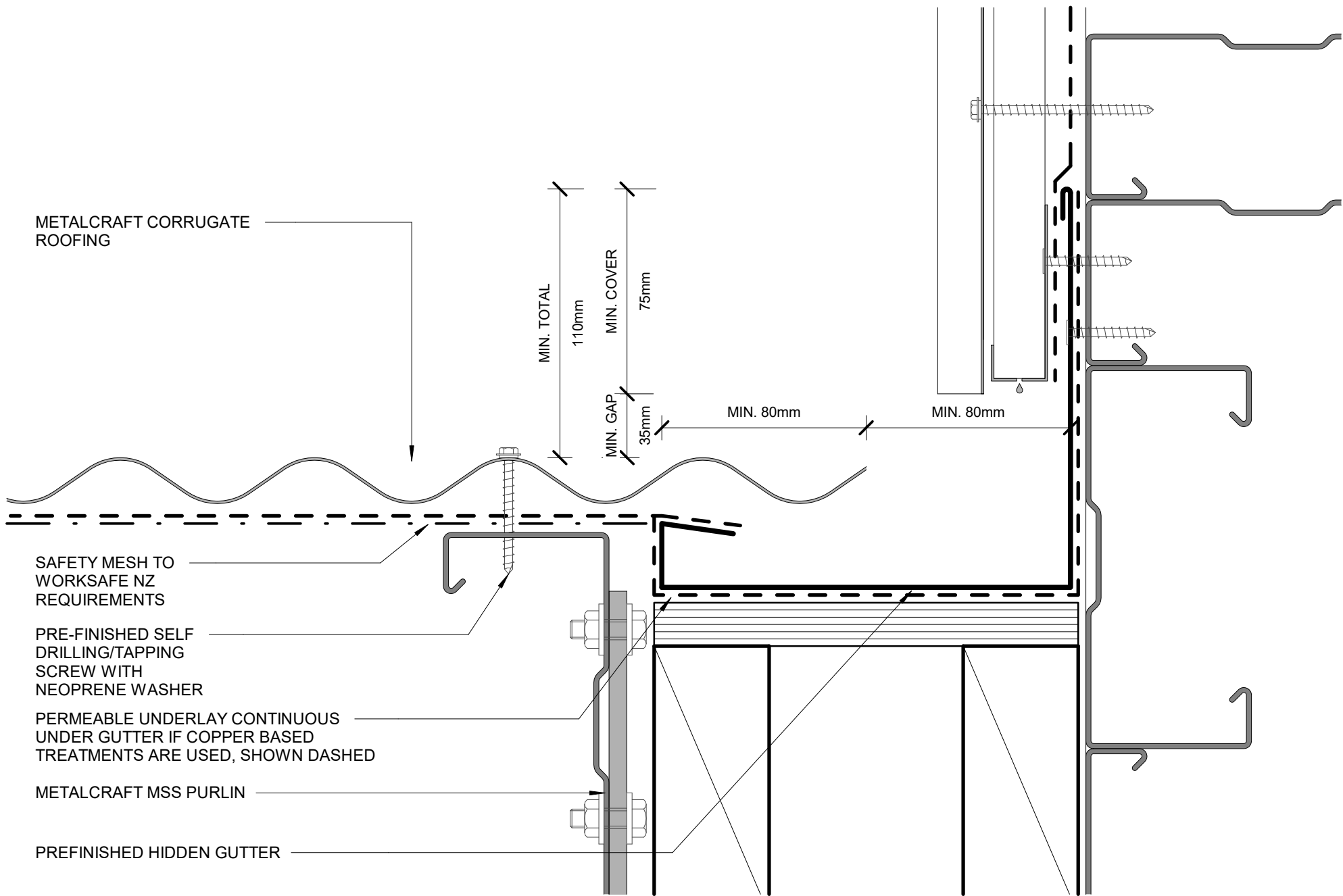
AS PER MRM CODE OF PRACTICE		
	CATEGORY A	CATEGORY B
	1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
L	MIN. 150mm	MIN. 200mm

\* CORRUGATE MIN. ROOF PITCH =  $8^\circ$



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 CORRUGATE ROOFING

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH NEOPRENE WASHER

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

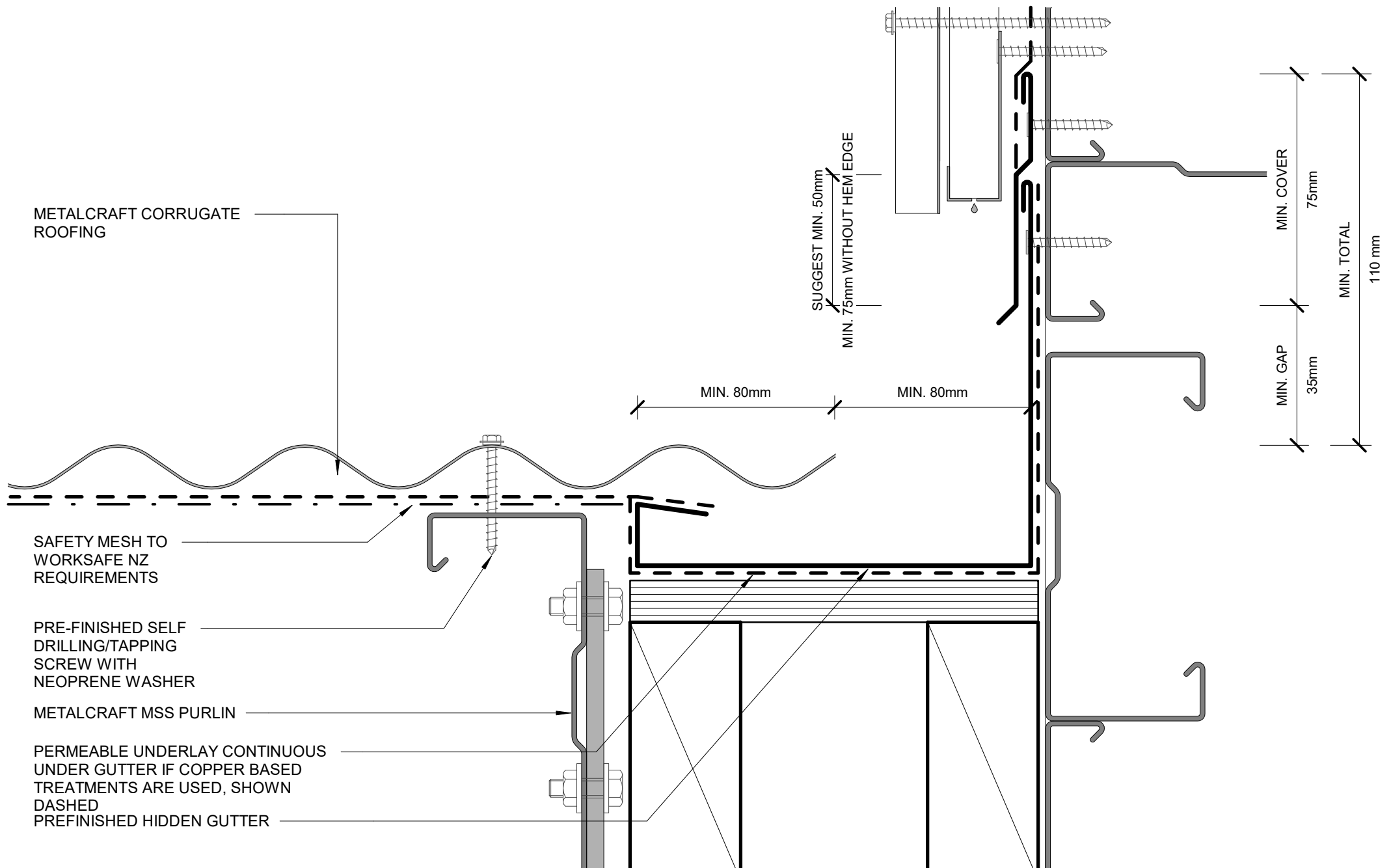
METALCRAFT MSS PURLIN

PREFINISHED HIDDEN GUTTER

MIN. TOTAL  
110mm  
MIN. COVER  
75mm  
MIN. GAP  
35mm

MIN. 80mm

MIN. 80mm



METALCRAFT CORRUGATE ROOFING

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH NEOPRENE WASHER

METALCRAFT MSS PURLIN

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

SUGGEST MIN. 50mm  
 MIN. 75mm WITHOUT HEM EDGE

MIN. 80mm

MIN. 80mm

MIN. COVER

75mm

MIN. GAP

35mm

MIN. TOTAL

110 mm

PARALLEL HIDDEN GUTTER (2 PART FLASHING)

Corrugate

Rev. 1.0

COMMERCIAL ROOFING

Reference CRCG

Date JAN 2023

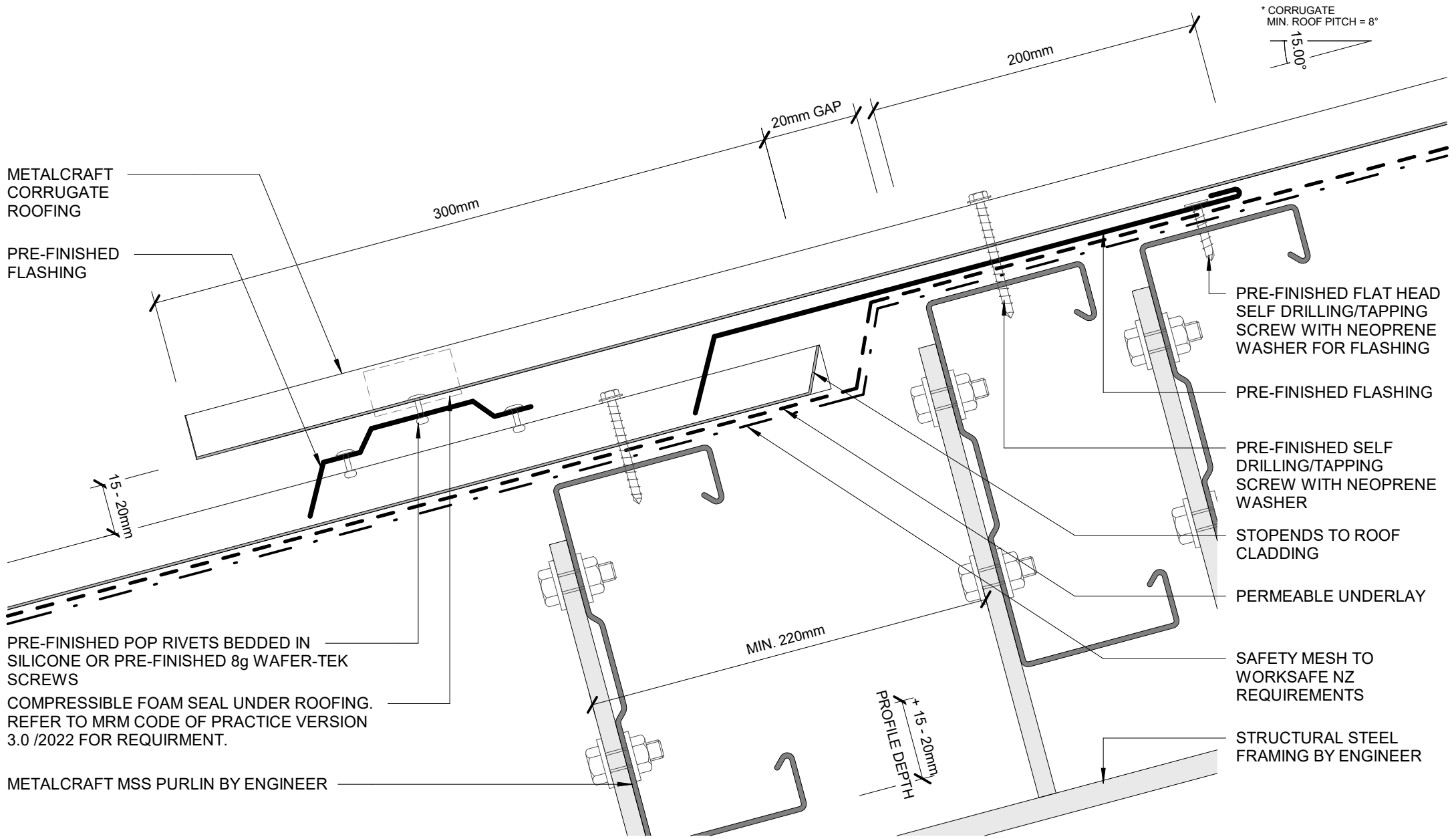
Scale 1 : 2

Sheet **E 13 / 17**

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METALCRAFT  
CORRUGATE  
ROOFING

PRE-FINISHED  
FLASHING

PRE-FINISHED POP RIVETS BEDDED IN  
SILICONE OR PRE-FINISHED 8g WAFER-TEK  
SCREWS

COMPRESSIBLE FOAM SEAL UNDER ROOFING.  
REFER TO MRM CODE OF PRACTICE VERSION  
3.0 /2022 FOR REQUIRMENT.

METALCRAFT MSS PURLIN BY ENGINEER

PRE-FINISHED FLAT HEAD  
SELF DRILLING/TAPPING  
SCREW WITH NEOPRENE  
WASHER FOR FLASHING

PRE-FINISHED FLASHING

PRE-FINISHED SELF  
DRILLING/TAPPING  
SCREW WITH NEOPRENE  
WASHER

STOPENDS TO ROOF  
CLADDING

PERMEABLE UNDERLAY

SAFETY MESH TO  
WORKSAFE NZ  
REQUIREMENTS

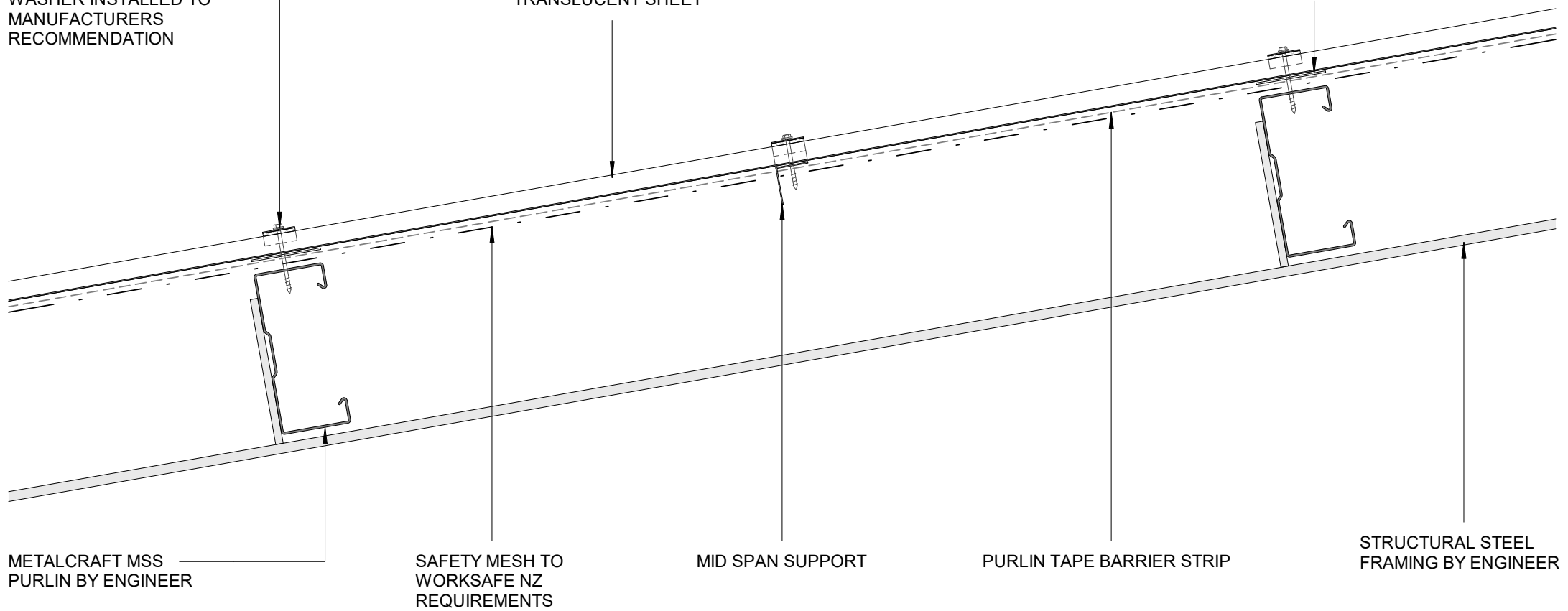
STRUCTURAL STEEL  
FRAMING BY ENGINEER

\* CORRUGATE  
MIN. ROOF PITCH = 8°  
15.00°

FIXING WITH PROFILED WASHER AND EPDM WASHER INSTALLED TO MANUFACTURERS RECOMMENDATION

METALCRAFT CORRUGATE TRANSLUCENT SHEET

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

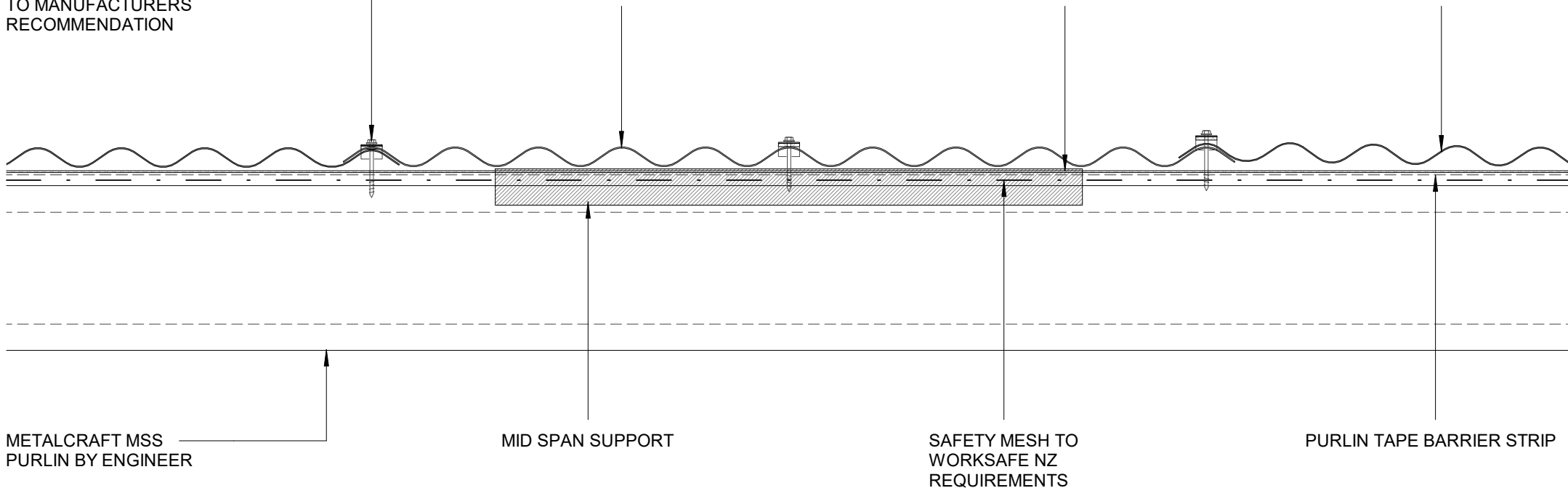


FIXING WITH PROFILED WASHER AND EPDM WASHER INSTALLED TO MANUFACTURERS RECOMMENDATION

METALCRAFT CORRUGATE TRANSLUCENT SHEET

PURLIN PROTECTION

METALCRAFT CORRUGATE ROOFING



METALCRAFT MSS PURLIN BY ENGINEER

MID SPAN SUPPORT

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

PURLIN TAPE BARRIER STRIP

