# Corrugate

## COMMERCIAL ROOFING

| DETAIL LIST | | Revision | Date |
|---|---|---|---|
| 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 |



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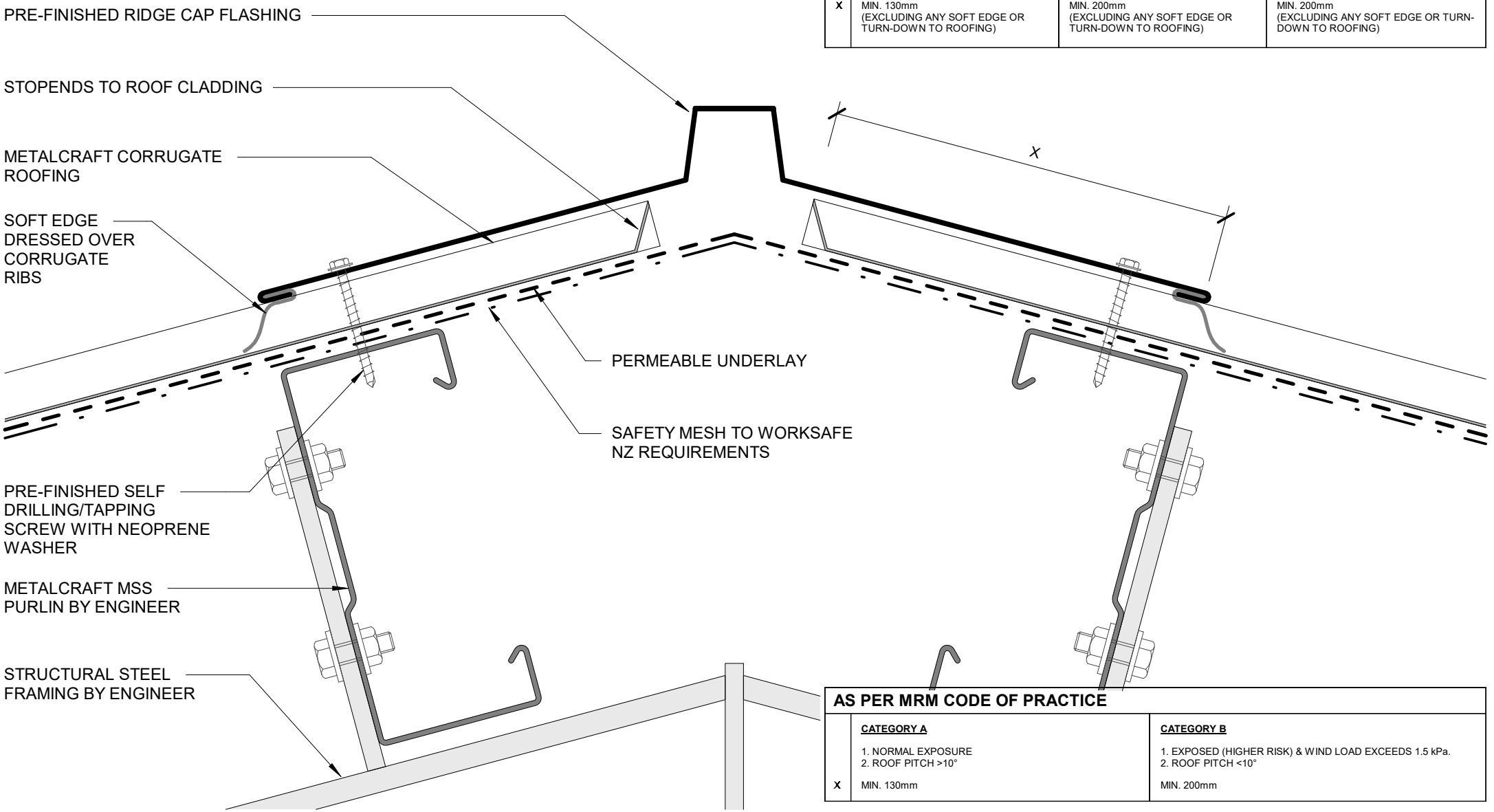
| AS PER E2/ASI | | | |
|---|---|---|---|
| | **SITUATION 1** | **SITUATION 2** | **SITUATION 3** |
| | 1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10° | 1. VERY HIGH WIND ZONE<br>2.LOW, MEDIUM & HIGH WIND ZONES WHERE ROOF PITCH ≤ 10° | 1.ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE. |
| X | MIN.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




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

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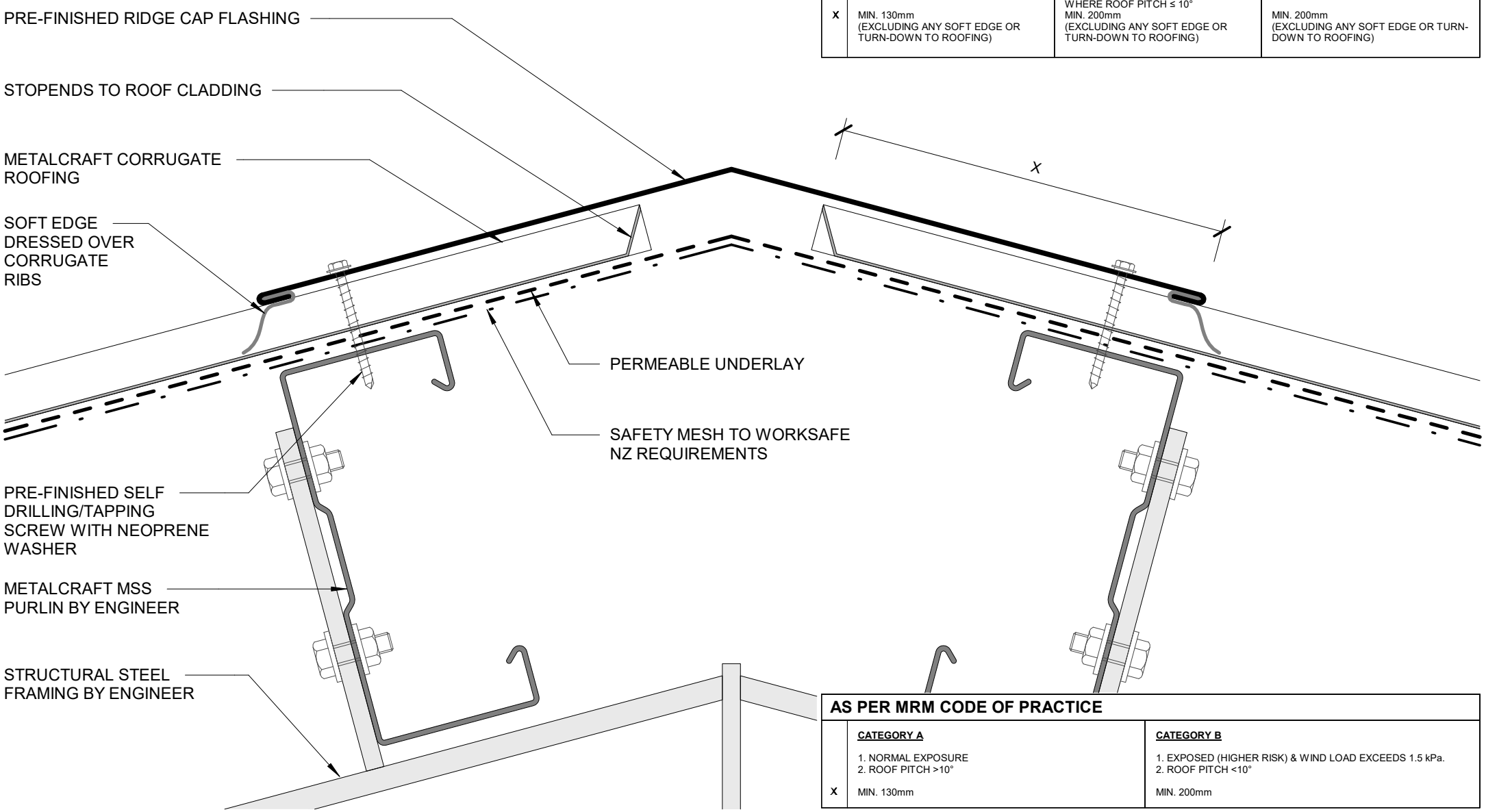
# RIDGE WITH PROFILED APEX

**Corrugate** Rev. 1.0 **COMMERCIAL ROOFING**

Reference CRCG Date JAN 2023 Scale 1 : 2 Sheet **E 01 / 17**

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




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

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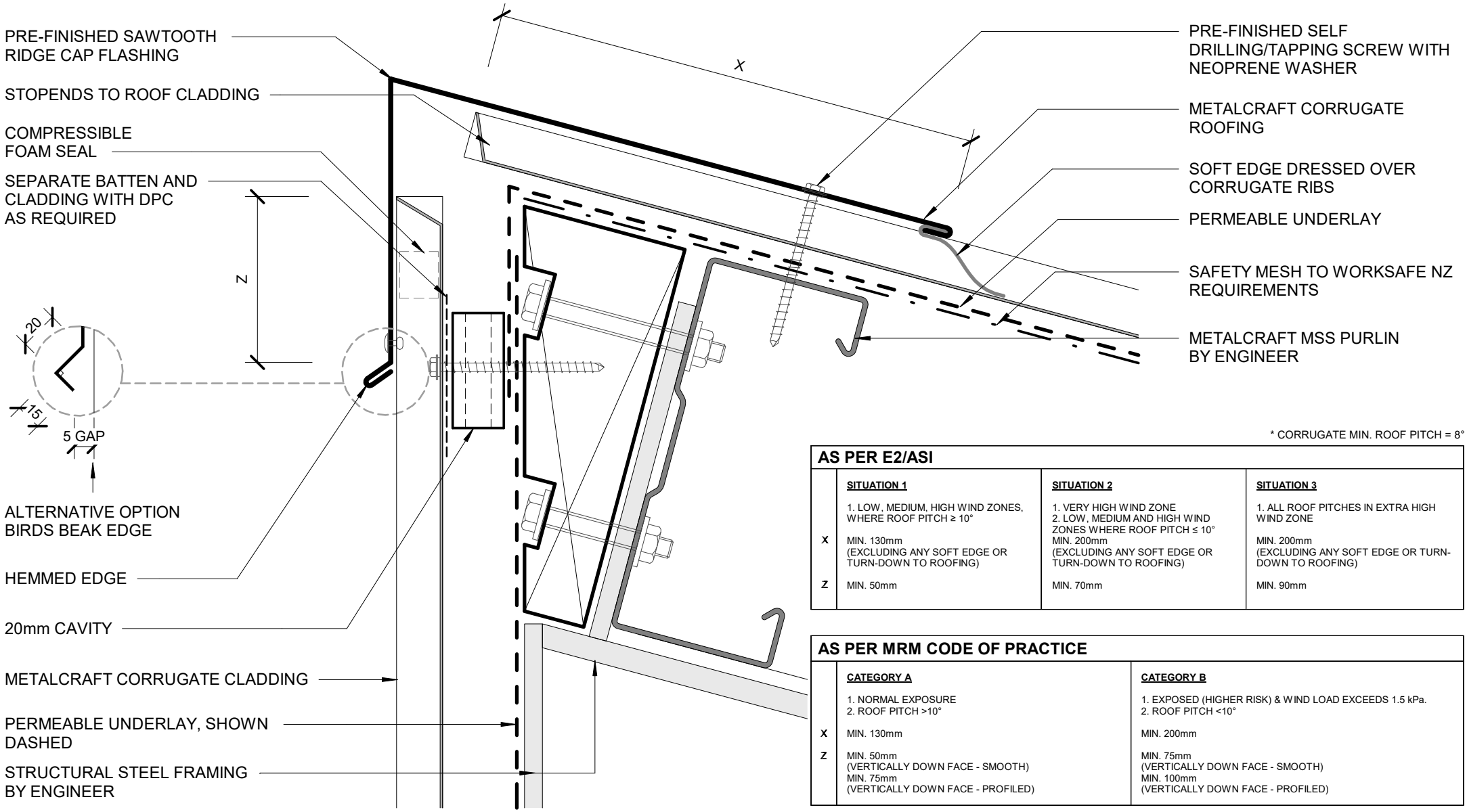
# RIDGE WITH NON PROFILED APEX

**Corrugate** Rev. 1.0 **COMMERCIAL ROOFING**

Reference CRCG Date JAN 2023 Scale 1 : 2 Sheet **E 02 / 17**




* CORRUGATE MIN. ROOF PITCH = 8°

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

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# SAWTOOTH RIDGE

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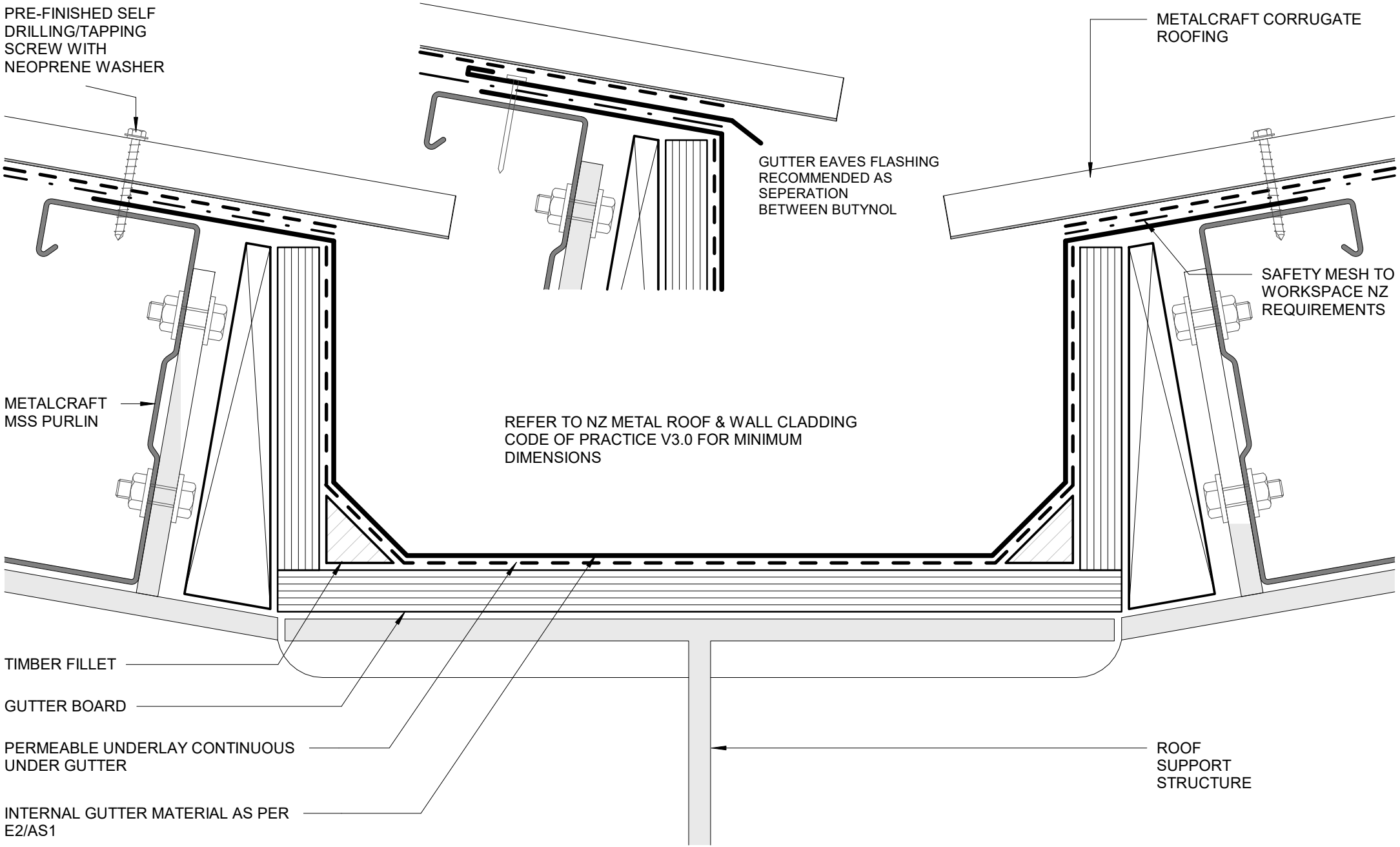
Reference CRCG Date JAN 2023 Scale 1 : 2 Sheet **E 03 / 17**

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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.

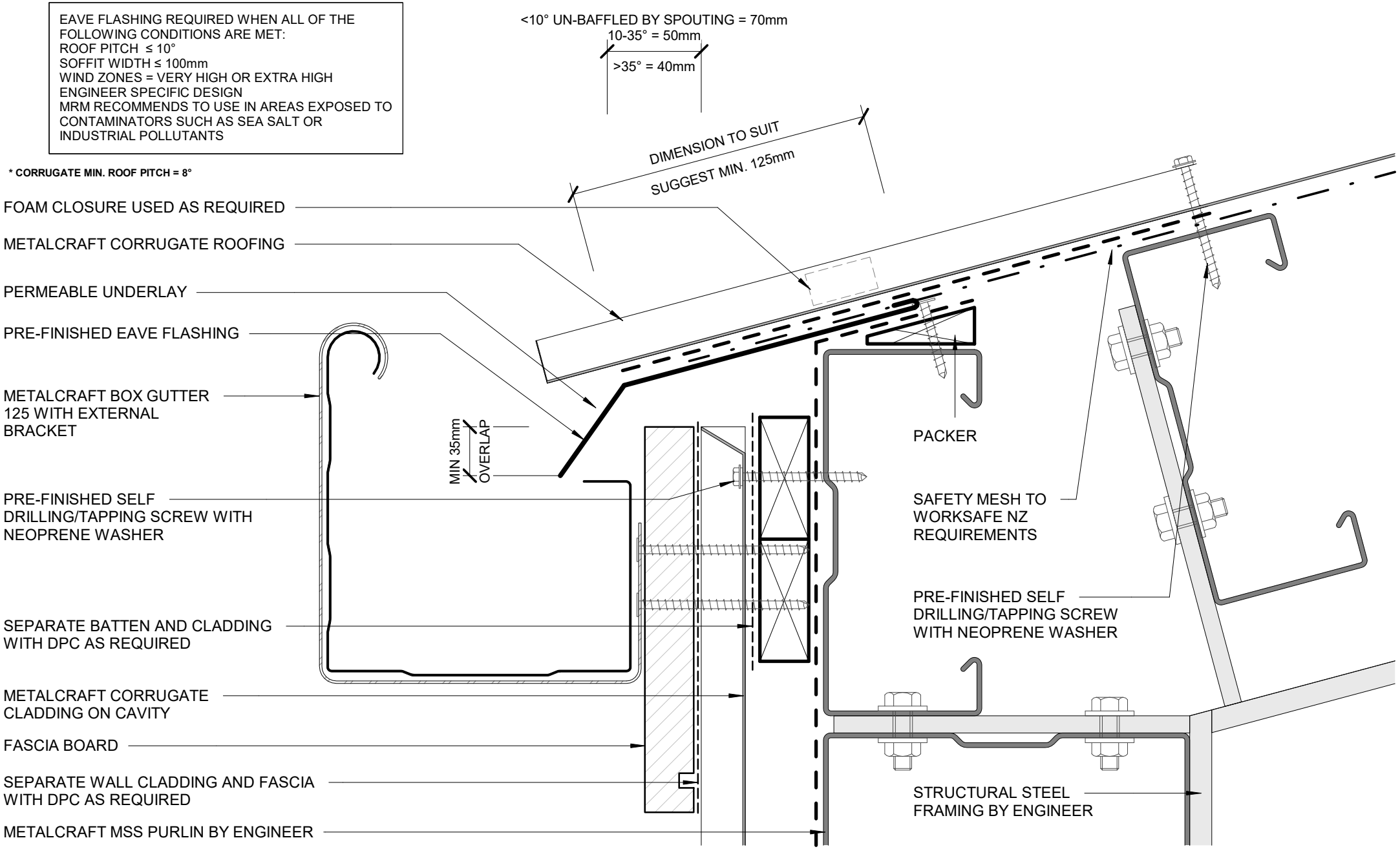
# INTERNAL GUTTER

**Corrugate** Rev. 1.0 **COMMERCIAL ROOFING**

Reference CRCG Date JAN 2023 Scale 1 : 2 Sheet **E 04 / 17**

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

*** CORRUGATE MIN. ROOF PITCH = 8°**

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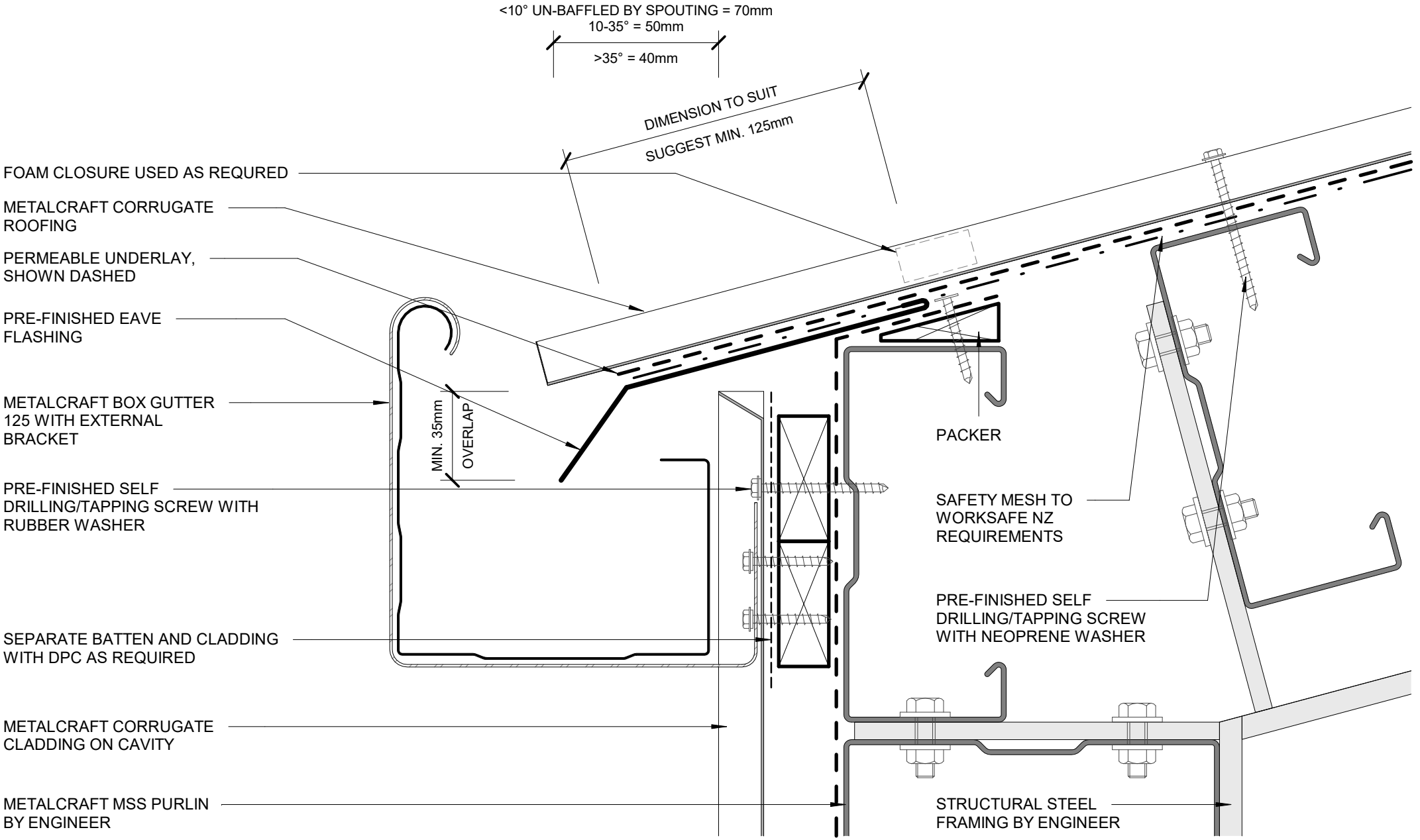
# FLUSH EAVE WITH EXTERNAL GUTTER BRACKET

**Corrugate** Rev. 1.0 **COMMERCIAL ROOFING**

Reference CRCG Date JAN 2023 Scale 1 : 2 Sheet **E 05 / 17**

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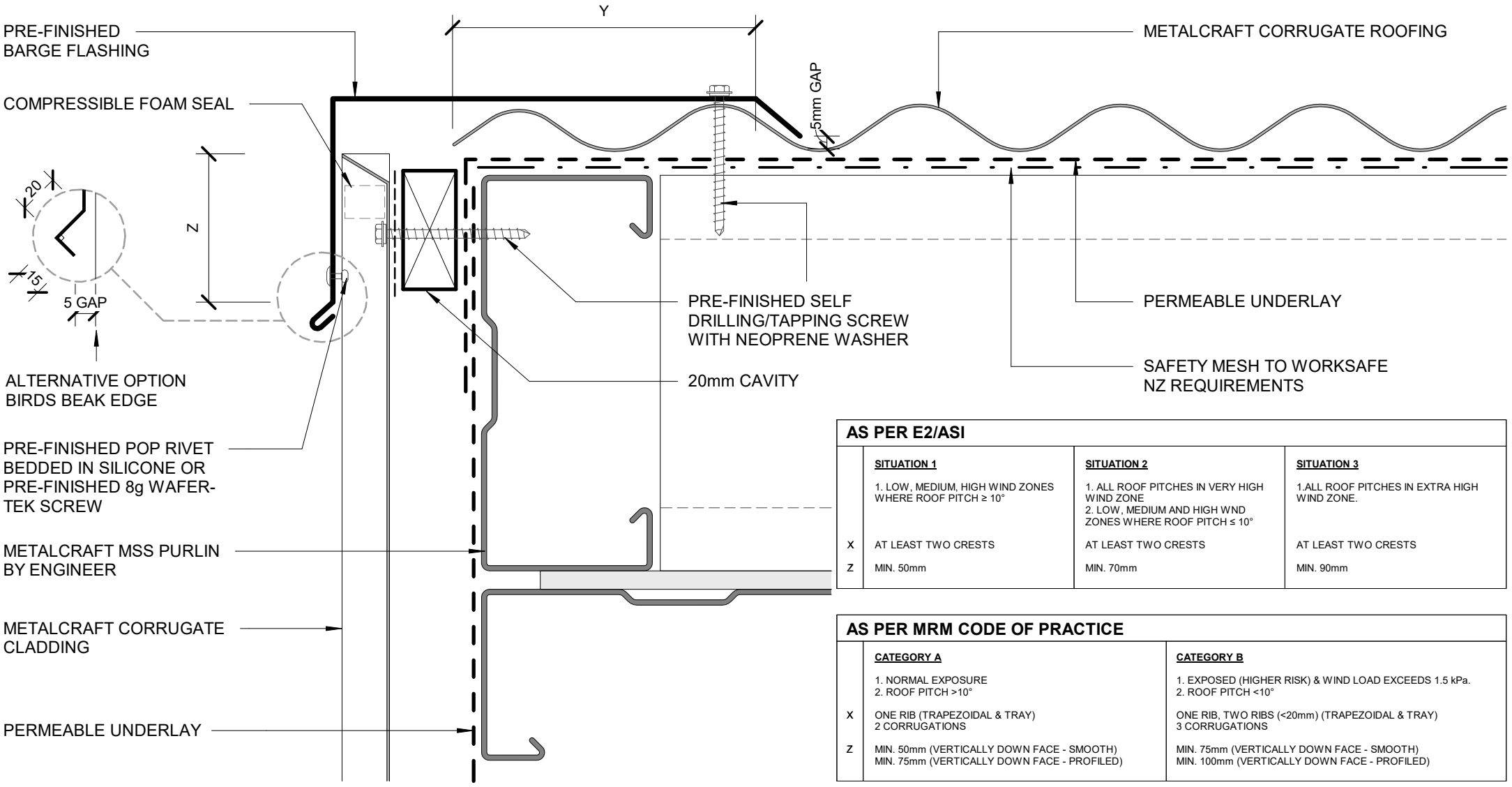
# FLUSH EAVE WITH PAN FIXED GUTTER

**Corrugate** Rev. 1.0 **COMMERCIAL ROOFING**

Reference CRCG Date JAN 2023 Scale 1 : 2 Sheet **E 06 / 17**




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

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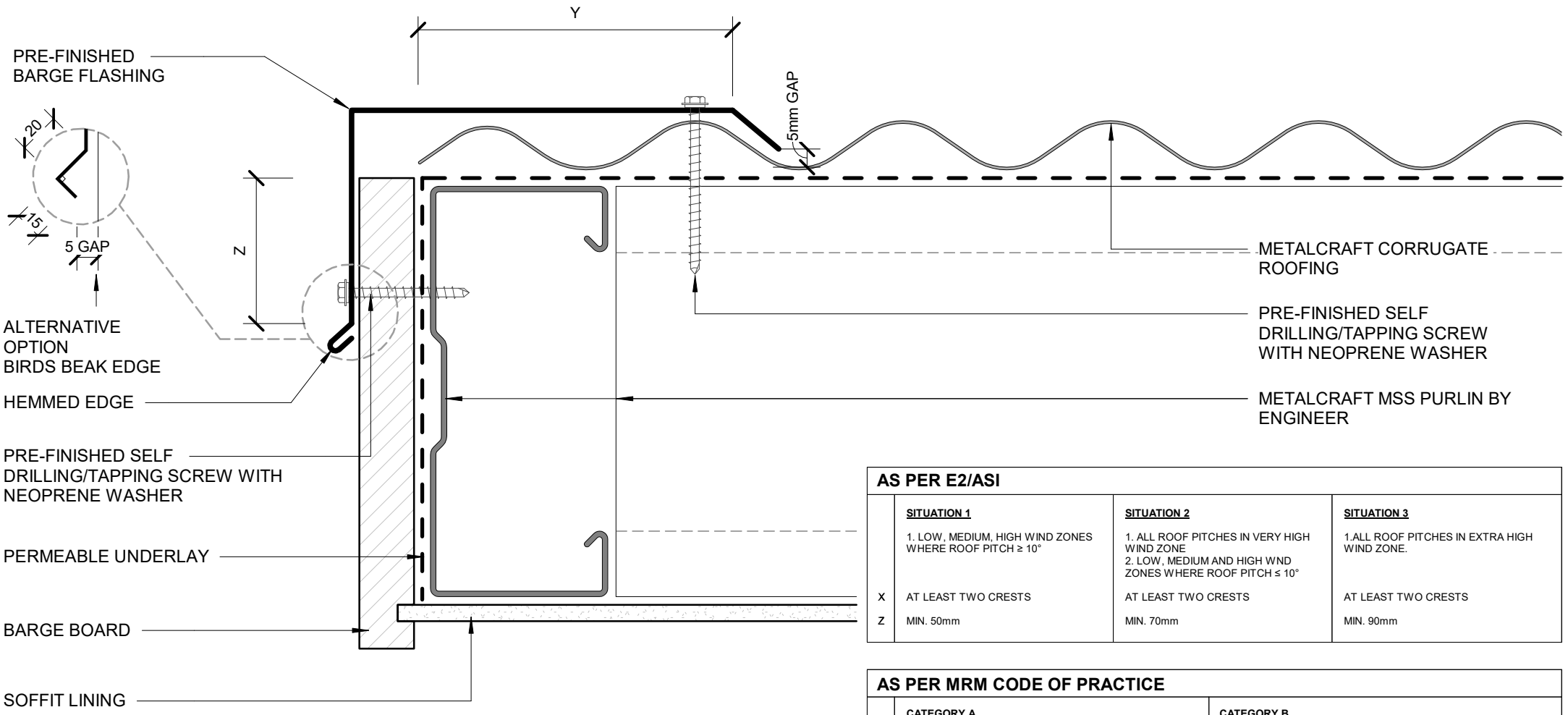
# BARGE WITH PROFILED CLADDING

**Corrugate** Rev. 1.0 **COMMERCIAL ROOFING**

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




## AS PER E2/ASI

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

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# BARGE OVERHANG

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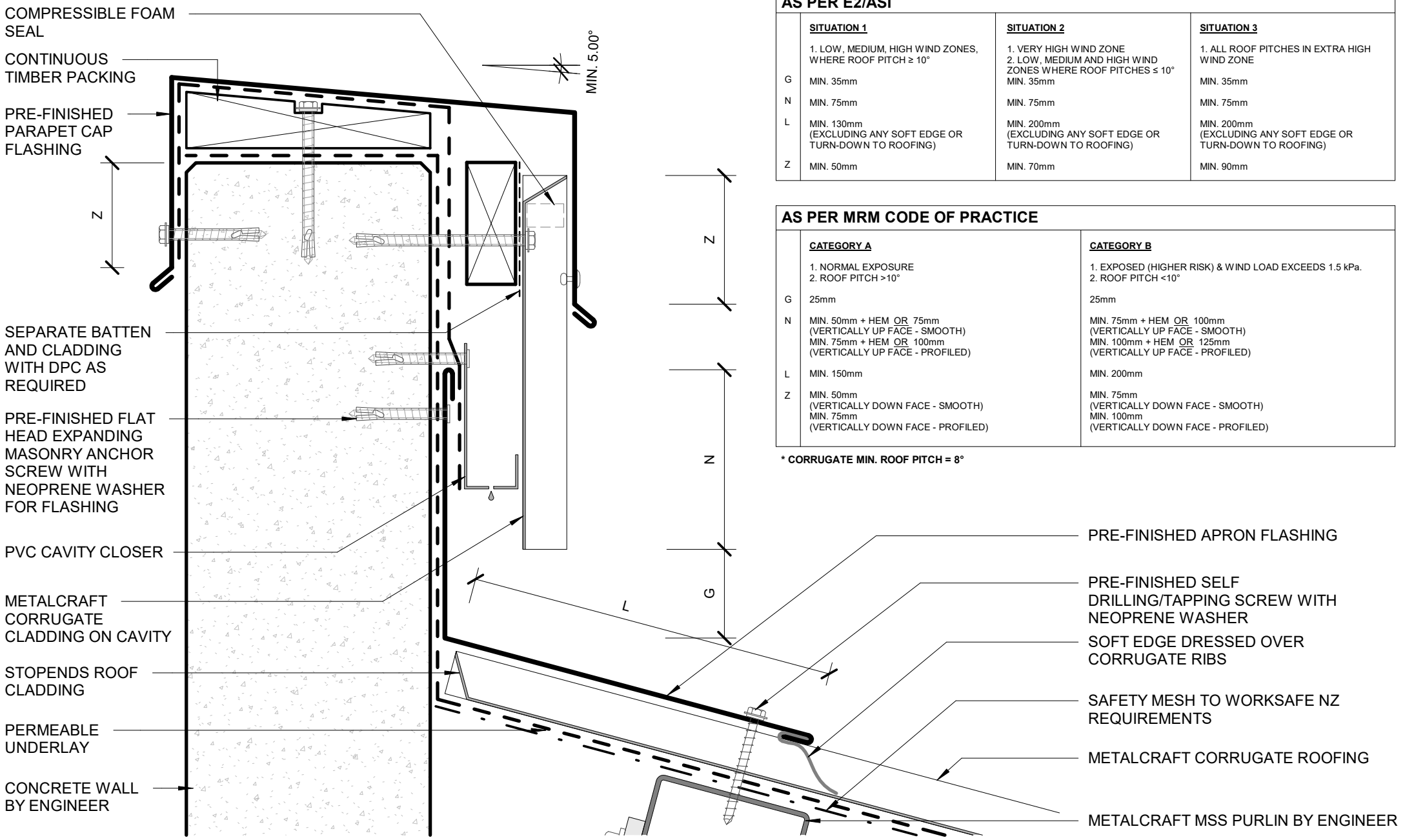
Reference CRCG Date JAN 2023 Scale 1 : 2 Sheet **E 08 / 17**




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

*** CORRUGATE MIN. ROOF PITCH = 8°**

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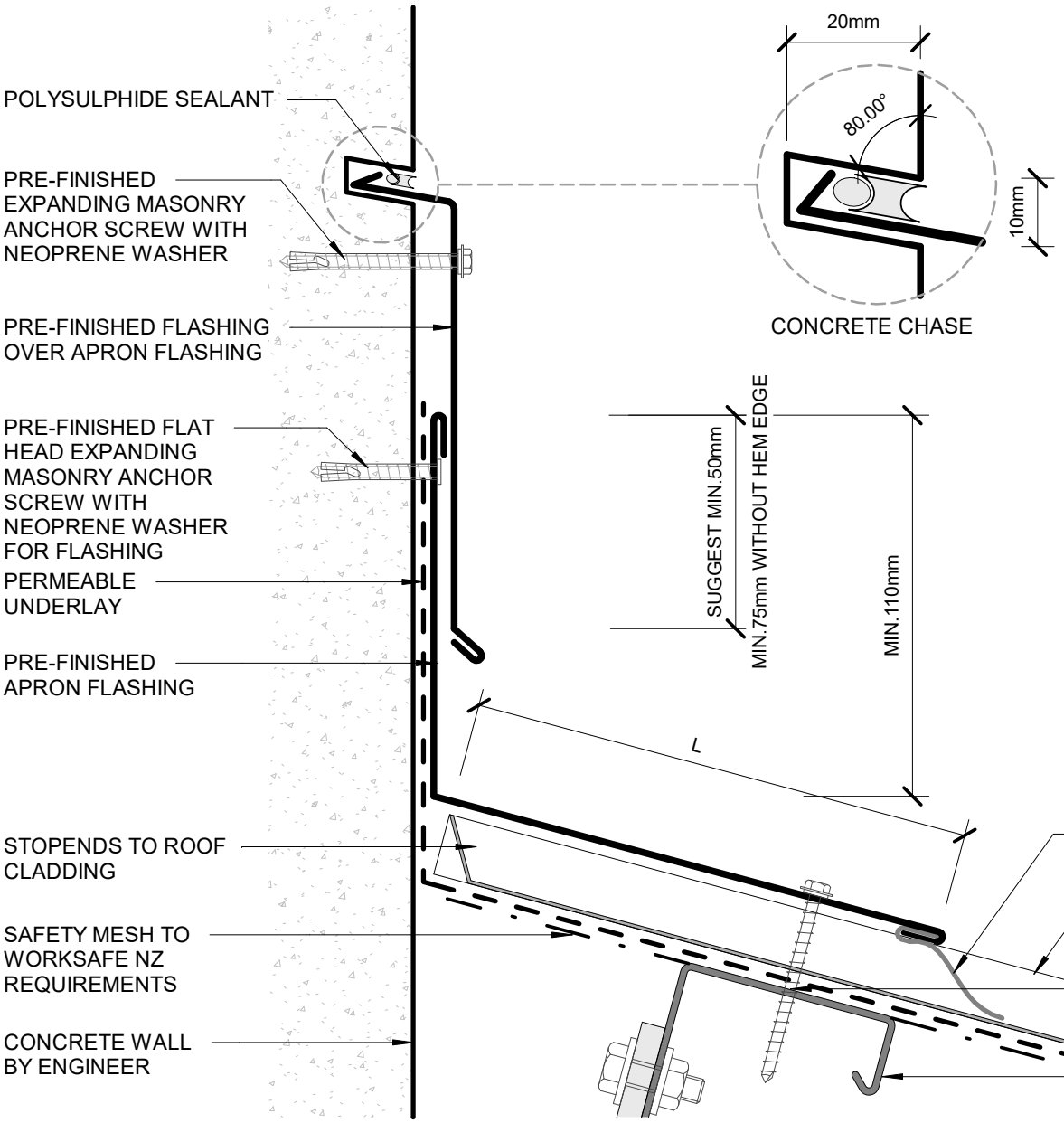
# PARAPET WITH TRANSVERSE APRON

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 ≥ 10° | 1. VERY HIGH WIND ZONE<br>2. LOW, MEDIUM, AND HIGH WIND ZONES WHERE ROOF PITCH ≤ 10° | 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<br>2. ROOF PITCH >10° | 1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa.<br>2. ROOF PITCH <10° |
| L | MIN. 150mm | MIN. 200mm |

*** CORRUGATE MIN. ROOF PITCH = 8°**

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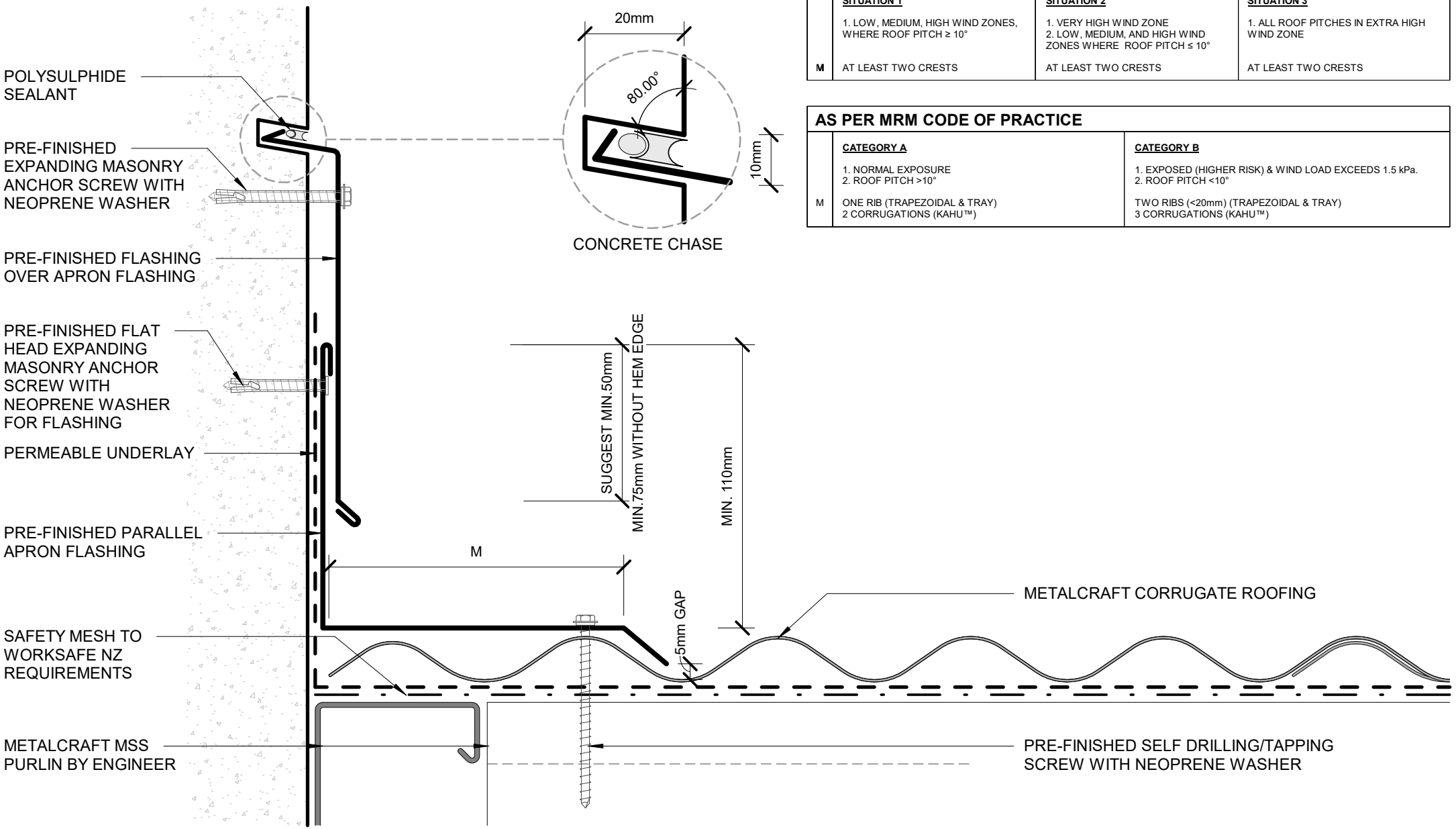
# TRANSVERSE APRON

**Corrugate** Rev. 1.0 **COMMERCIAL ROOFING**

Reference CRCG 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. VERY HIGH WIND ZONE<br>2. LOW, MEDIUM, AND HIGH WIND ZONES WHERE ROOF PITCH ≤ 10° | 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<br>2. ROOF PITCH >10° | 1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa.<br>2. ROOF PITCH <10° |
| M | ONE RIB (TRAPEZOIDAL & TRAY)<br>2 CORRUGATIONS (KAHU™) | TWO RIBS (<20mm) (TRAPEZOIDAL & TRAY)<br>3 CORRUGATIONS (KAHU™) |

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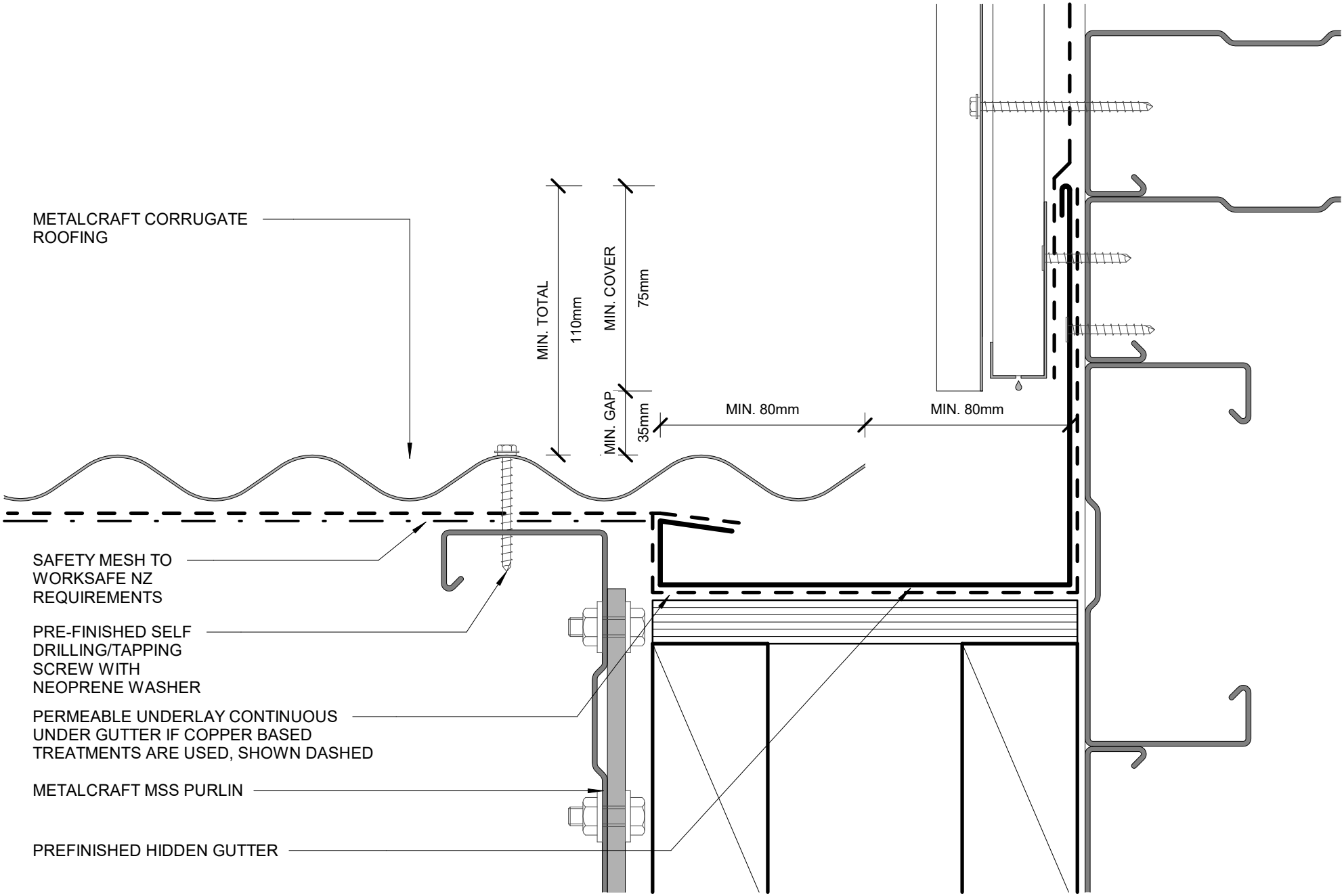
# PARALLEL APRON

**Corrugate** Rev. 1.0 **COMMERCIAL ROOFING**

Reference CRCG Date JAN 2023 Scale 1 : 2 Sheet **E 11 / 17**

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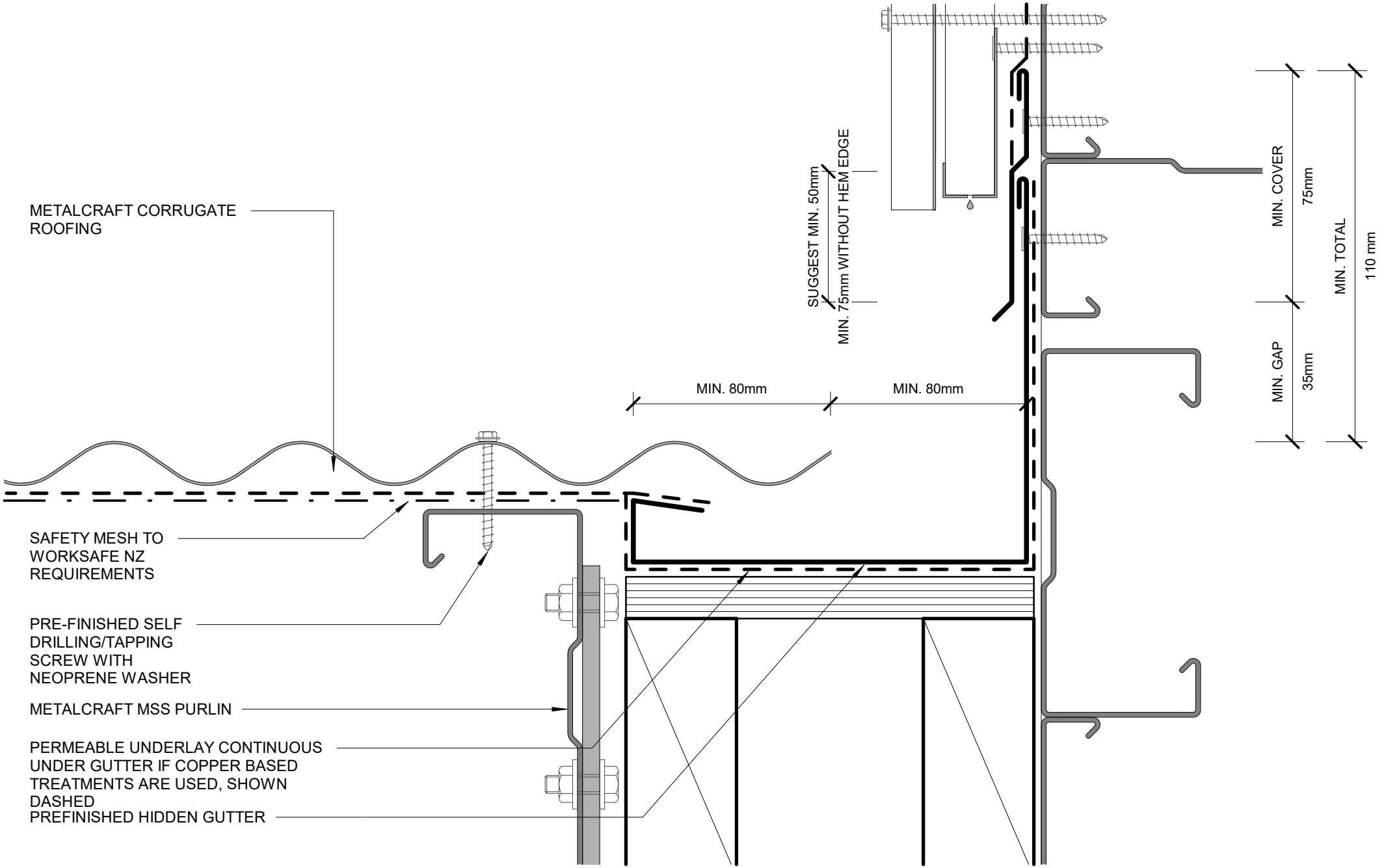
# PARALLEL HIDDEN GUTTER

**Corrugate** Rev. 1.0 **COMMERCIAL ROOFING**

Reference CRCG Date JAN 2023 Scale 1 : 2 Sheet **E 12 / 17**




# 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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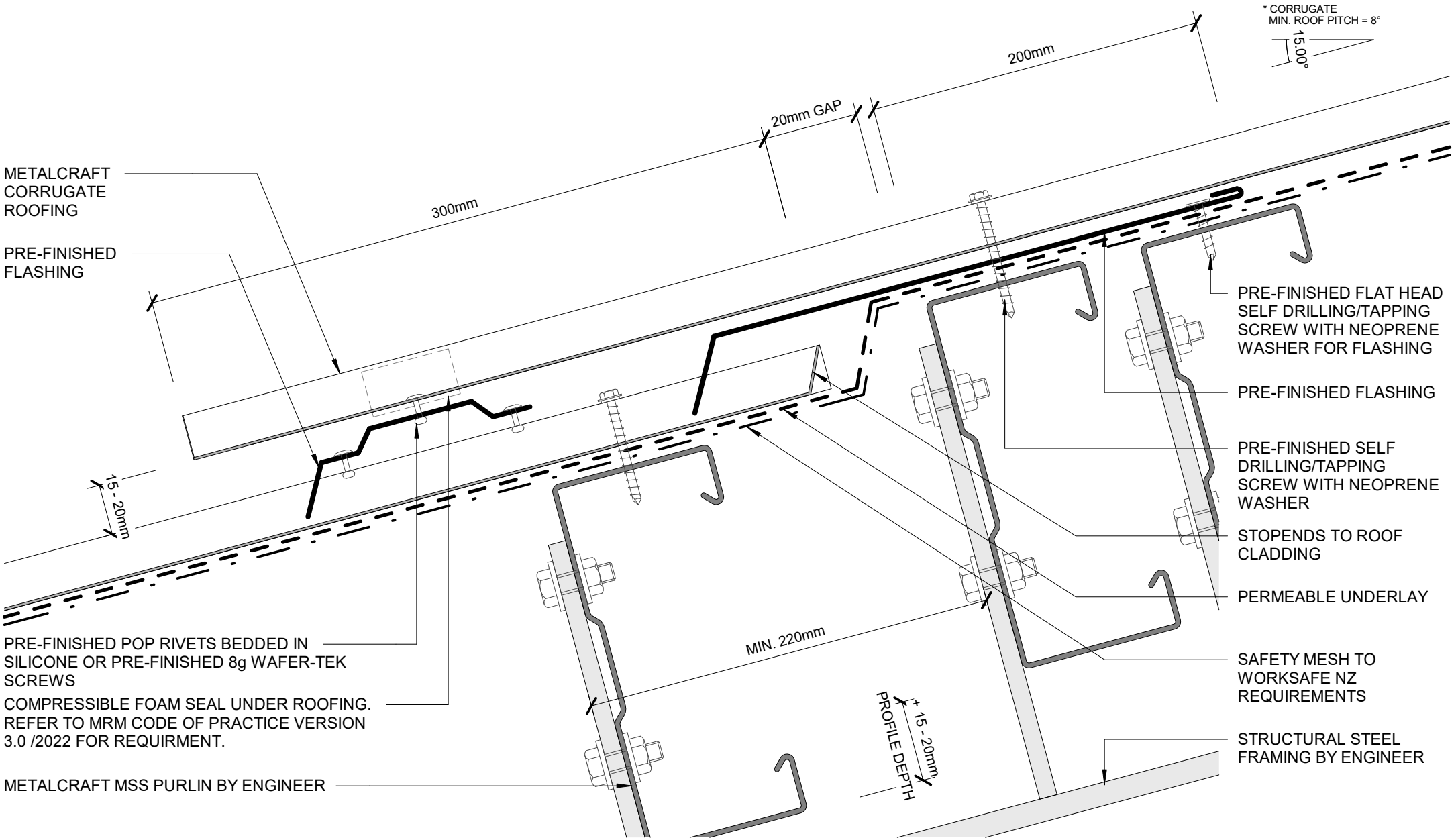


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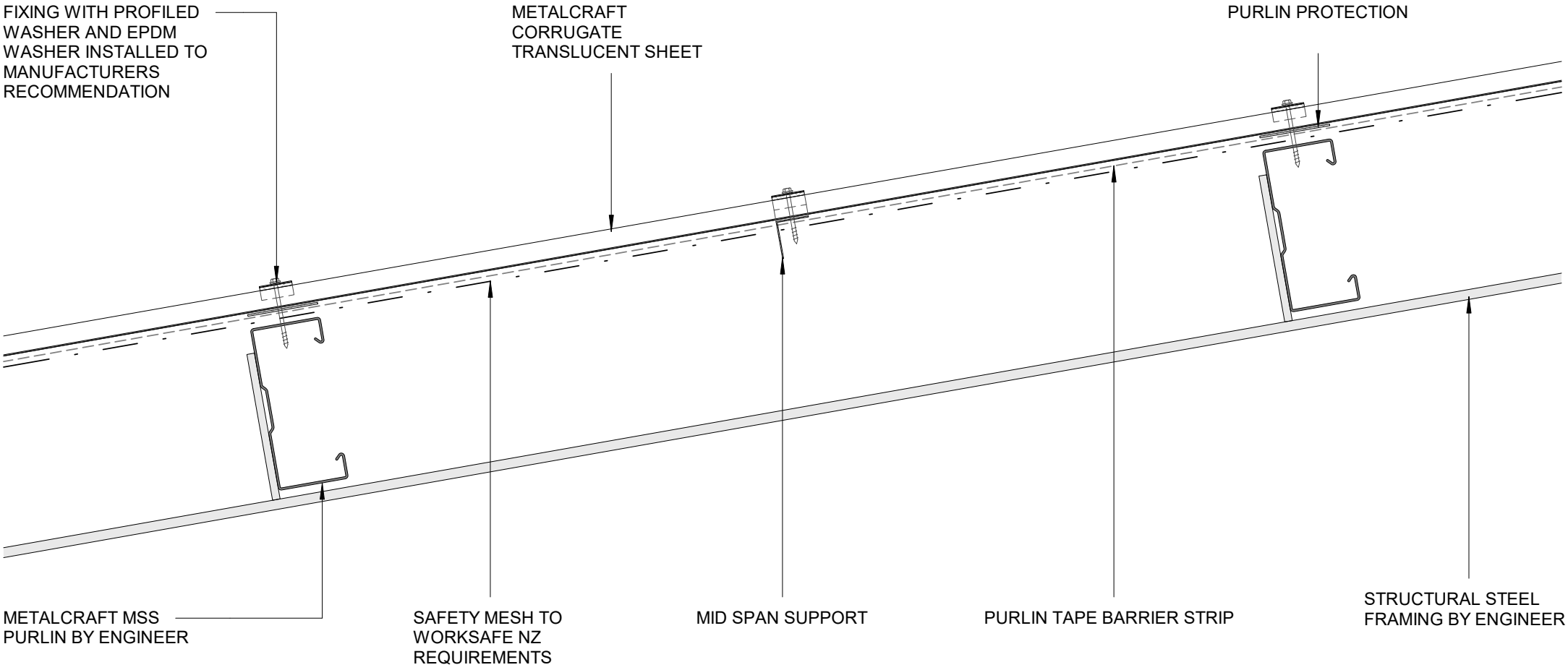
# ROOF STEP

**Corrugate** Rev. 1.0 **COMMERCIAL ROOFING**

Reference CRCG Date JAN 2023 Scale 1 : 2 Sheet **E 14 / 17**

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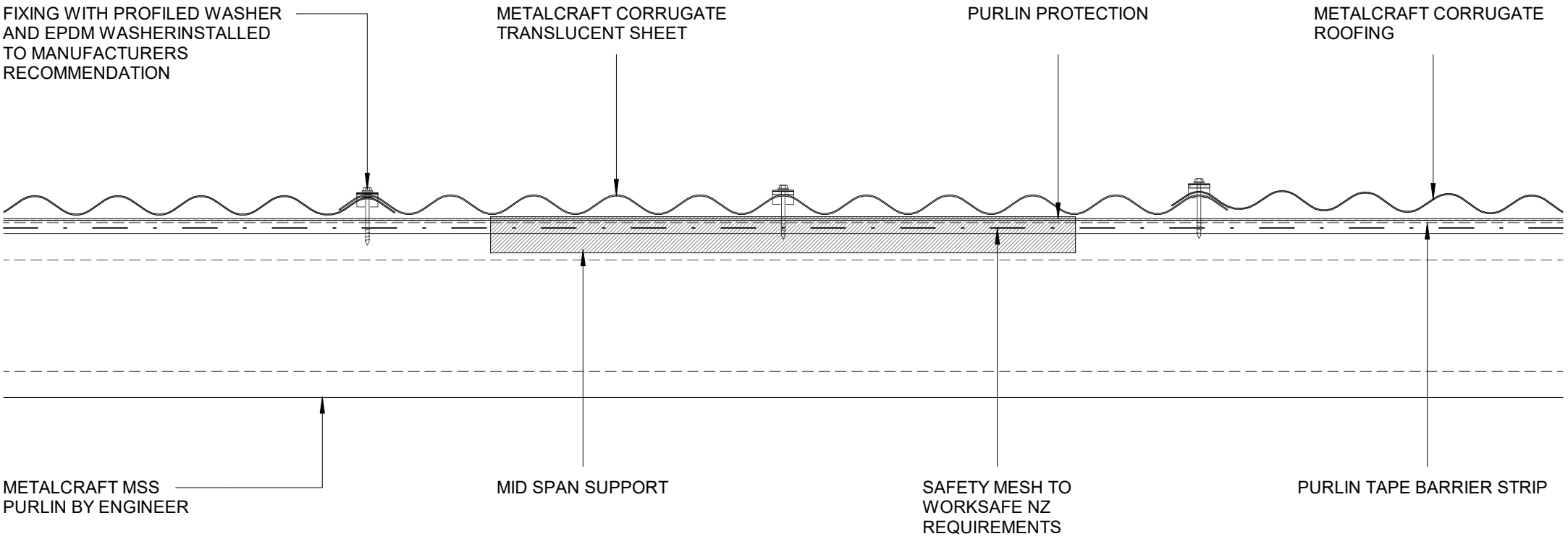
# TRANSLUCENT SHEETS - LONG SECTION

**Corrugate** Rev. 1.0 **COMMERCIAL ROOFING**

Reference CRCG Date JAN 2023 Scale 1 : 5 

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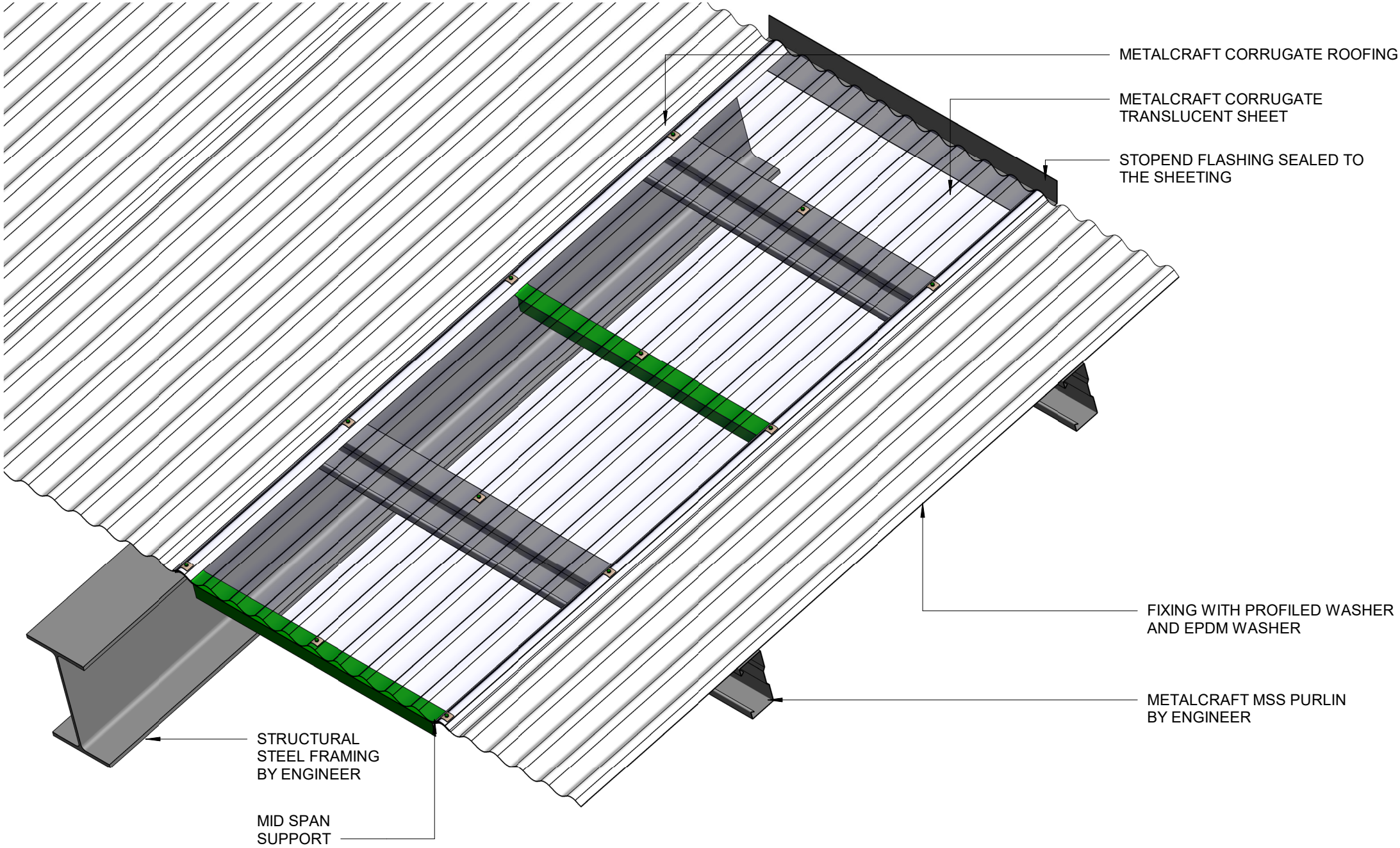
# TRANSLUCENT SHEETS - CROSS

**Corrugate** Rev. 1.0 **COMMERCIAL ROOFING**

Reference CRCG Date JAN 2023 Scale 1 : 5 Sheet **E 16 / 17**




# 3D TRANSLUCENT SHEETS

**Corrugate** Rev. 1.0 **COMMERCIAL ROOFING**

Reference CRCG Date JAN 2023 Scale Sheet **E 17 / 17**

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