

# Metcom 965

## COMMERCIAL ROOFING

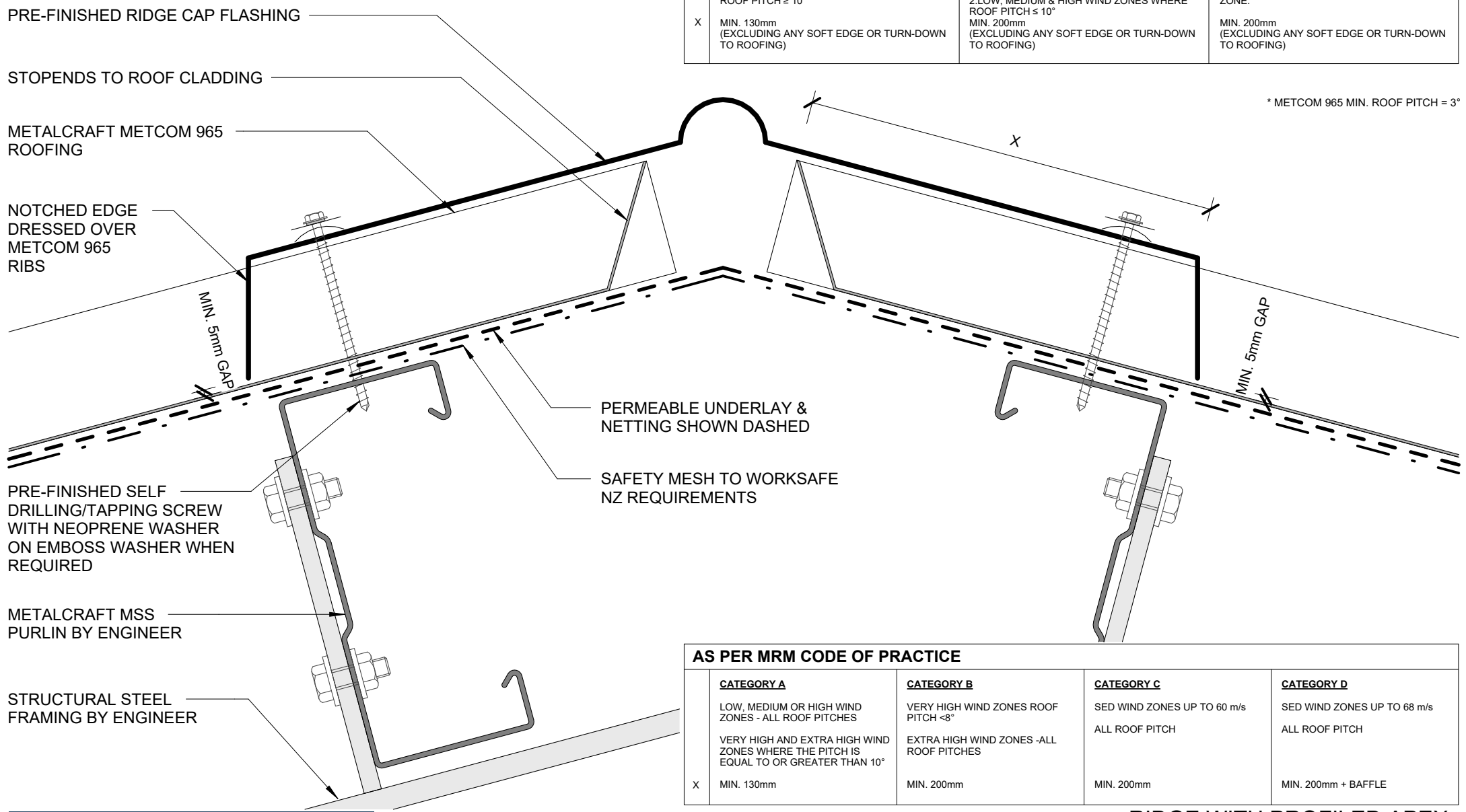
### DETAIL LIST

		<u>Revision</u>	<u>Date</u>
D 00 / 16	COVER SHEET		
D 01 / 16	RIDGE WITH PROFILED APEX	2.0	JUNE 2024
D 02 / 16	RIDGE WITH NON PROFILED APEX	2.0	JUNE 2024
D 03 / 16	SAWTOOTH RIDGE	2.0	JUNE 2024
D 04 / 16	INTERNAL GUTTER	2.0	JUNE 2024
D 05 / 16	FLUSH EAVE WITH PAN FIXED GUTTER	2.0	JUNE 2024
D 06 / 16	BARGE WITH PROFILED CLADDING	2.0	JUNE 2024
D 07 / 16	BARGE OVERHANG	2.0	JUNE 2024
D 08 / 16	PARAPET WITH TRANSVERSE APRON	2.0	JUNE 2024
D 09 / 16	TRANSVERSE APRON	2.0	JUNE 2024
D 10 / 16	PARALLEL APRON	2.0	JUNE 2024
D 11 / 16	PARALLEL HIDDEN GUTTER	2.0	JUNE 2024
D 12 / 16	PARALLEL HIDDEN GUTTER (2 PART FLASHING)	2.0	JUNE 2024
D 13 / 16	ROOF STEP	2.0	JUNE 2024
D 14 / 16	TRANSLUCENT SHEETS - LONG SECTION	2.0	JUNE 2024
D 15 / 16	TRANSLUCENT SHEETS - CROSS	2.0	JUNE 2024
D 16 / 16	3D TRANSLUCENT SHEETS	2.0	JUNE 2024

CRMET965

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

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 965 MIN. ROOF PITCH = 3°

AS PER MRM CODE OF PRACTICE			
<b>CATEGORY A</b> LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES  VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°  X MIN. 130mm	<b>CATEGORY B</b> VERY HIGH WIND ZONES ROOF PITCH $< 8^\circ$  EXTRA HIGH WIND ZONES - ALL ROOF PITCHES  MIN. 200mm	<b>CATEGORY C</b> SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH  MIN. 200mm	<b>CATEGORY D</b> SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH  MIN. 200mm + BAFFLE

**AS PER E2/ASI**

	<b>SITUATION 1</b>	<b>SITUATION 2</b>	<b>SITUATION 3</b>
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)

PRE-FINISHED RIDGE CAP FLASHING

STOPENDS TO ROOF CLADDING

METALCRAFT METCOM 965 ROOFING

NOTCHED EDGE DRESSED OVER METCOM 965 RIBS

MIN. 5mm GAP

PERMEABLE UNDERLAY & NETTING SHOWN DASHED

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH NEOPRENE WASHER ON EMBOSS WASHER WHEN REQUIRED

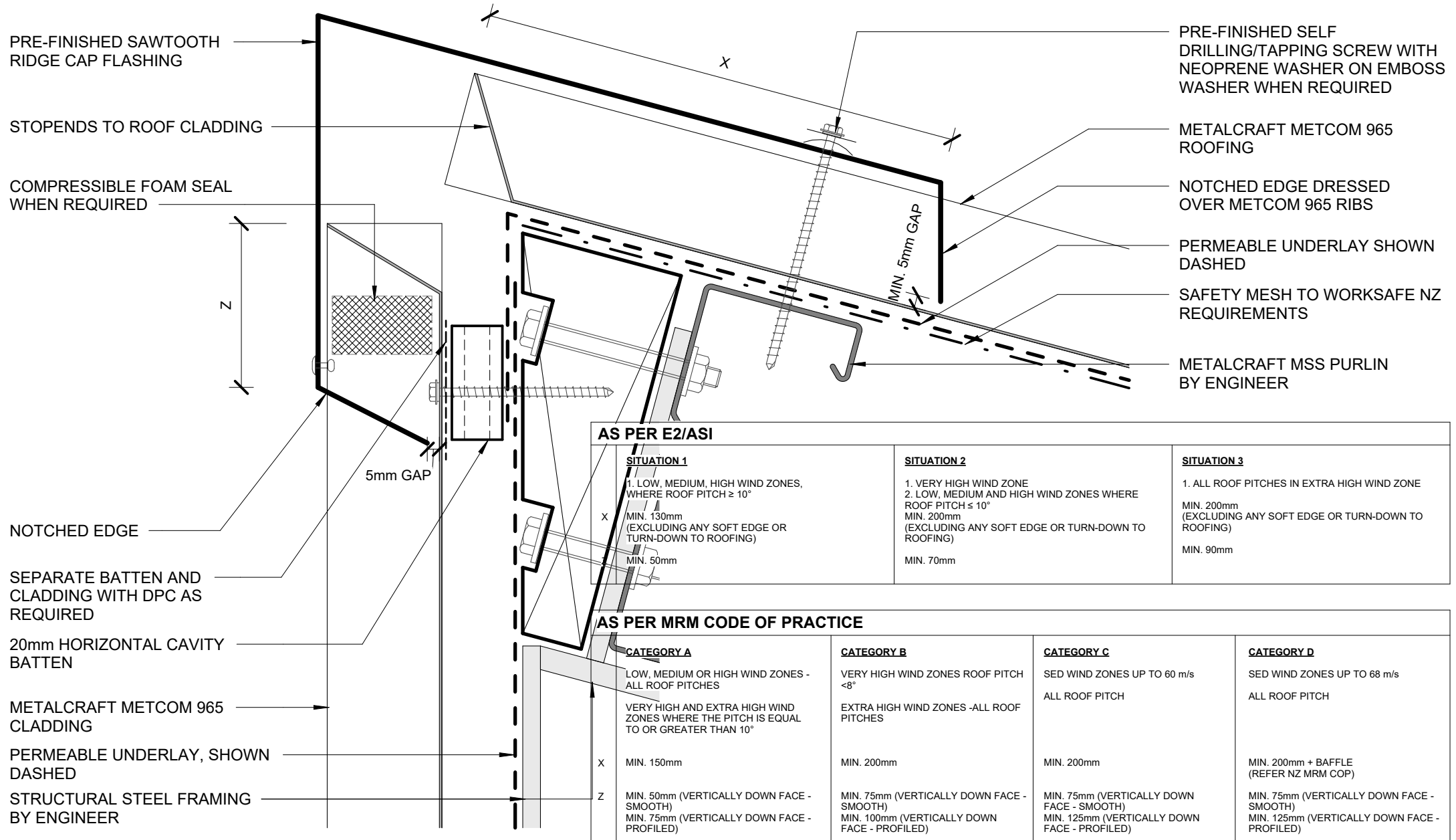
METALCRAFT MSS PURLIN BY ENGINEER

STRUCTURAL STEEL FRAMING BY ENGINEER

\* METCOM 965 MIN. ROOF PITCH = 3°

**AS PER MRM CODE OF PRACTICE**

	<b>CATEGORY A</b>	<b>CATEGORY B</b>	<b>CATEGORY C</b>	<b>CATEGORY D</b>
X	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES  VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10° MIN. 130mm	VERY HIGH WIND ZONES ROOF PITCH $< 8^\circ$  EXTRA HIGH WIND ZONES - ALL ROOF PITCHES MIN. 200mm	SED WIND ZONES UP TO 60 m/s  ALL ROOF PITCH MIN. 200mm	SED WIND ZONES UP TO 68 m/s  ALL ROOF PITCH MIN. 200mm + BAFFLE



PRE-FINISHED SAWTOOTH RIDGE CAP FLASHING

STOPENDS TO ROOF CLADDING

COMPRESSIBLE FOAM SEAL WHEN REQUIRED

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH NEOPRENE WASHER ON EMBOSS WASHER WHEN REQUIRED

METALCRAFT METCOM 965 ROOFING

NOTCHED EDGE DRESSED OVER METCOM 965 RIBS

PERMEABLE UNDERLAY SHOWN DASHED

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

METALCRAFT MSS PURLIN BY ENGINEER

NOTCHED EDGE

SEPARATE BATTEN AND CLADDING WITH DPC AS REQUIRED

20mm HORIZONTAL CAVITY BATTEN

METALCRAFT METCOM 965 CLADDING

PERMEABLE UNDERLAY, SHOWN DASHED

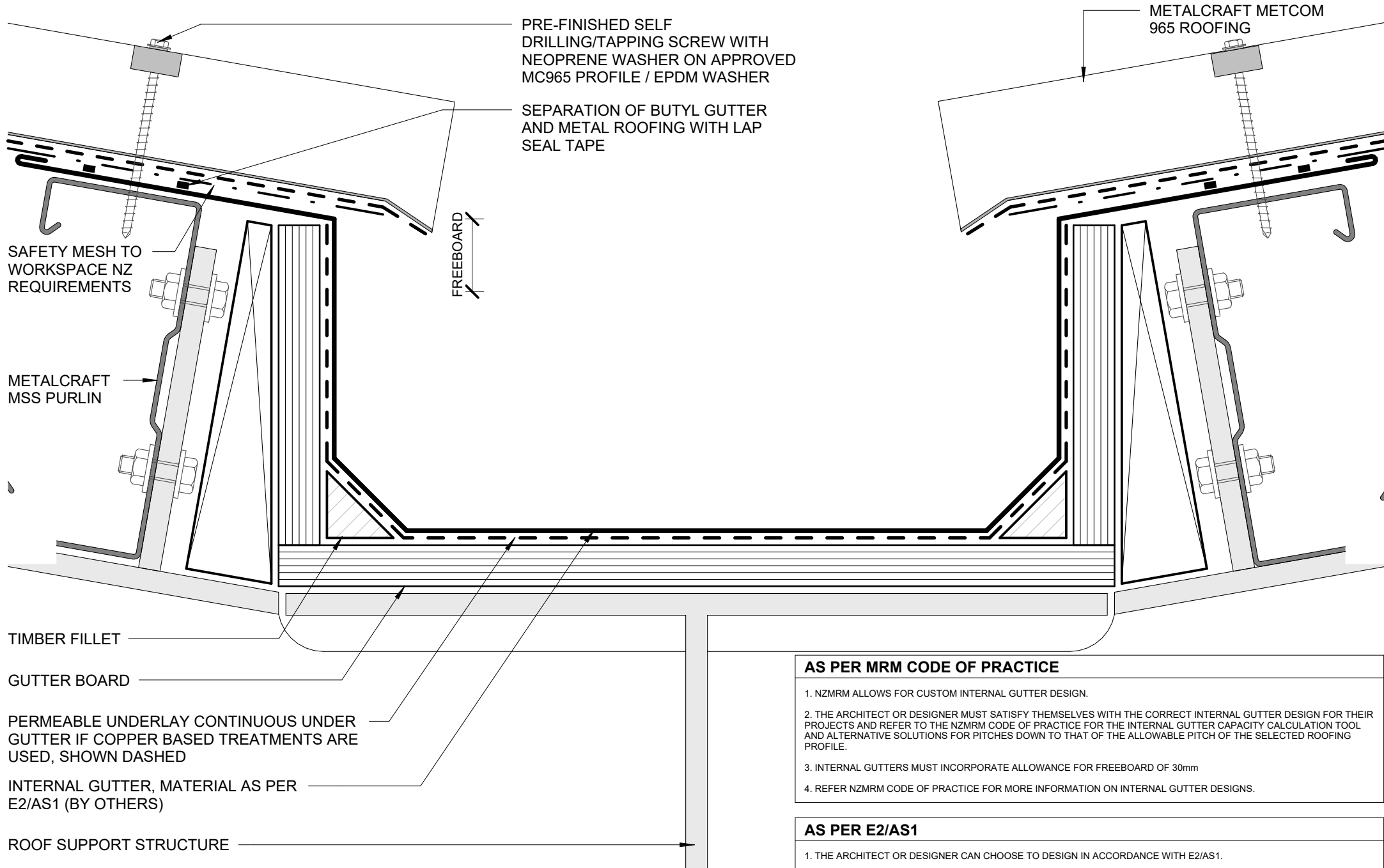
STRUCTURAL STEEL FRAMING BY ENGINEER

**AS PER E2/ASI**

SITUATION 1	SITUATION 2	SITUATION 3
1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10° MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING) MIN. 50mm	1. VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH WIND ZONES WHERE ROOF PITCH ≤ 10° MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING) MIN. 70mm	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING) MIN. 90mm

**AS PER MRM CODE OF PRACTICE**

CATEGORY A	CATEGORY B	CATEGORY C	CATEGORY D
LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10° MIN. 150mm	VERY HIGH WIND ZONES ROOF PITCH <8° EXTRA HIGH WIND ZONES - ALL ROOF PITCHES MIN. 200mm	SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH MIN. 200mm	SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH MIN. 200mm + BAFFLE (REFER NZ MRM COP) MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)



**AS PER MRM CODE OF PRACTICE**

1. NZMRM ALLOWS FOR CUSTOM INTERNAL GUTTER DESIGN.
2. THE ARCHITECT OR DESIGNER MUST SATISFY THEMSELVES WITH THE CORRECT INTERNAL GUTTER DESIGN FOR THEIR PROJECTS AND REFER TO THE NZMRM CODE OF PRACTICE FOR THE INTERNAL GUTTER CAPACITY CALCULATION TOOL AND ALTERNATIVE SOLUTIONS FOR PITCHES DOWN TO THAT OF THE ALLOWABLE PITCH OF THE SELECTED ROOFING PROFILE.
3. INTERNAL GUTTERS MUST INCORPORATE ALLOWANCE FOR FREEBOARD OF 30mm
4. REFER NZMRM CODE OF PRACTICE FOR MORE INFORMATION ON INTERNAL GUTTER DESIGNS.

**AS PER E2/AS1**

1. THE ARCHITECT OR DESIGNER CAN CHOOSE TO DESIGN IN ACCORDANCE WITH E2/AS1.

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

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

\* METCOM 965 MIN. ROOF PITCH =  $3^\circ$

$<10^\circ$  OR UN-BAFFLED BY SPOUTING = 70mm  
 $10-35^\circ = 50\text{mm}$   
 $>35^\circ = 40\text{mm}$

DIMENSION TO SUIT  
 SUGGEST MIN. 125mm

METALCRAFT METCOM 965 ROOFING

UNDERLAY TERMINATES AT TOP OF GUTTER EAVES FLASHING AND WHEN NO GUTTER EAVES IS REQUIRED UNDERLAY MUST NOT OVERHANG THE GUTTER BY MORE THAN 20mm

PRE-FINISHED EAVE FLASHING CUT BACK AROUND INTERNAL GUTTER BRACKETS IF REQUIRED

DPC SEPERATION AS REQUIRED

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH NEOPRENE WASHER

SEPARATE BATTEN AND CLADDING WITH DPC AS REQUIRED

METALCRAFT BOX GUTTER 125 WITH EXTERNAL BRACKET

COMPRESSIBLE FOAM SEAL WHEN REQUIRED

METALCRAFT METCOM 965 CLADDING ON CAVITY

METALCRAFT MSS PURLIN BY ENGINEER

AS PER NZ MRM CODE OF PRACTICE	
Z	CATEGORY A - 75mm
	CATEGORY B - 100mm
	CATEGORY C&D - 125mm

5mm GAP

PACKER

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH NEOPRENE WASHER ON APPROVED MC965 PROFILE / EPDM WASHER

STRUCTURAL STEEL FRAMING BY ENGINEER

UNDERSOAKER  
FLASHING REQUIRED  
FOR NZ MRM COP  
CATEGORY D ONLY

FLASHING SHOULD NOT EXCEED 300mm.  
A TURNED UP PAN EDGE TO FULL CREST  
HEIGHT (RIB) CONSTITUTES A CREST.

PRE-FINISHED SELF DRILLING/TAPPING  
SCREW WITH NEOPRENE WASHER ON  
EMBOSS WASHER WHEN REQUIRED

PRE-FINISHED  
BARGE FLASHING

COMPRESSIBLE  
FOAM SEAL  
WHEN REQUIRED

PRE-FINISHED SELF  
DRILLING/TAPPING  
SCREW WITH  
NEOPRENE WASHER

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

SEPARATE BATTEN AND  
CLADDING WITH DPC AS  
REQUIRED

20mm HORIZONTAL CAVITY  
BATTEN

METALCRAFT MSS  
PURLIN BY ENGINEER

METALCRAFT METCOM 965  
CLADDING

PERMEABLE UNDERLAY,  
SHOWN DASHED

METALCRAFT METCOM 965 ROOFING

PERMEABLE UNDERLAY  
& NETTING SHOWN  
DASHED

SAFETY MESH TO  
WORKSAFE NZ  
REQUIREMENTS

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 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				
	CATEGORY A	CATEGORY B	CATEGORY C	CATEGORY D
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES	VERY HIGH WIND ZONES ROOF PITCH $< 8^\circ$	SED WIND ZONES UP TO 60 m/s	SED WIND ZONES UP TO 68 m/s
	VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN $10^\circ$	EXTRA HIGH WIND ZONES - ALL ROOF PITCHES	ALL ROOF PITCH	ALL ROOF PITCH
X	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS	TWO RIBS ( $< 20\text{mm} > 34\text{mm}$ ) ONE RIB ( $< 34\text{mm}$ ) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS	TWO RIBS ( $< 20\text{mm} > 34\text{mm}$ ) ONE RIB ( $< 34\text{mm}$ ) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS	TWO RIBS ( $< 20\text{mm} > 34\text{mm}$ ) + UNDERSOAKER ONE RIB ( $< 34\text{mm}$ ) + UNDERSOAKER (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS + UNDERSOAKER
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. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)



FLASHING SHOULD NOT EXCEED 300mm.  
A TURNED UP PAN EDGE TO FULL CREST  
HEIGHT (RIB) CONSTITUTES A CREST.

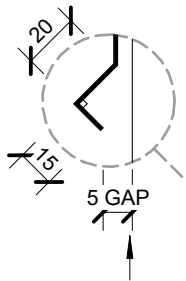
METALCRAFT METCOM 965  
ROOFING

PRE-FINISHED SELF DRILLING/TAPPING  
SCREW WITH NEOPRENE WASHER ON  
EMBOSS WASHER WHEN REQUIRED

UNDERSOAKER  
FLASHING REQUIRED  
FOR NZ MRM COP  
CATEGORY D ONLY

PRE-FINISHED  
BARGE FLASHING

METALCRAFT MSS  
PURLIN BY ENGINEER



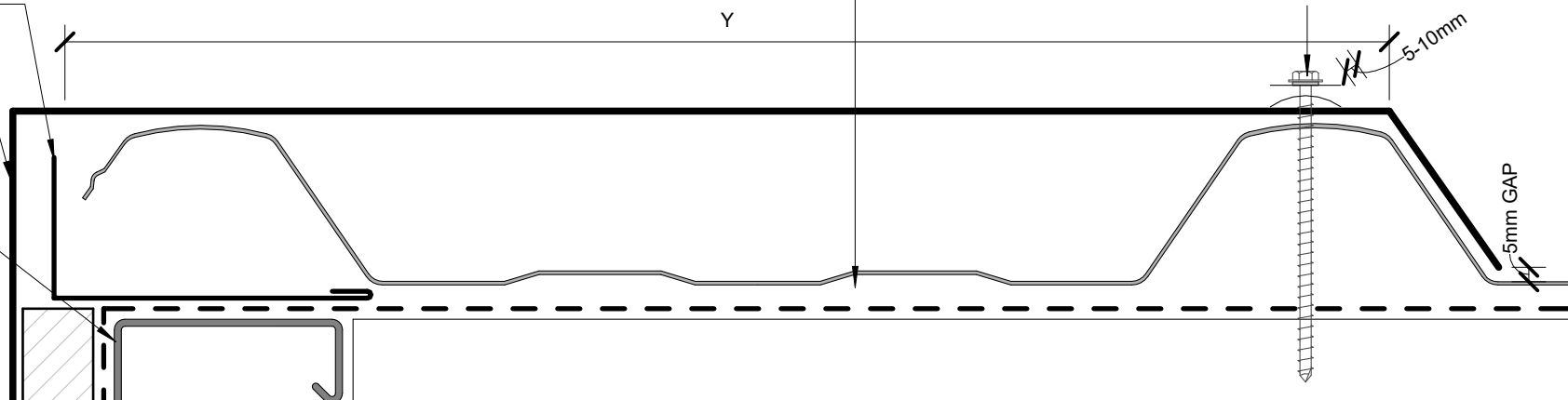
ALTERNATIVE  
OPTION  
BIRDS BEAK EDGE  
NOTCHED EDGE

PRE-FINISHED SELF  
DRILLING/TAPPING SCREW  
WITH NEOPRENE WASHER

PERMEABLE UNDERLAY & NETTING  
SHOWN DASHED

BARGE BOARD PRE  
PRIMED

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	CATEGORY C	CATEGORY D
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES	VERY HIGH WIND ZONES ROOF PITCH $< 8^\circ$	SED WIND ZONES UP TO 60 m/s	SED WIND ZONES UP TO 68 m/s
	VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN $10^\circ$	EXTRA HIGH WIND ZONES - ALL ROOF PITCHES	ALL ROOF PITCH	ALL ROOF PITCH
X	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS	TWO RIBS ( $< 20\text{mm} > 34\text{mm}$ ) ONE RIB ( $< 34\text{mm}$ ) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS	TWO RIBS ( $< 20\text{mm} > 34\text{mm}$ ) ONE RIB ( $< 34\text{mm}$ ) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS	TWO RIBS ( $< 20\text{mm} > 34\text{mm}$ ) + UNDERSOAKER ONE RIB ( $< 34\text{mm}$ ) + UNDERSOAKER (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS + UNDERSOAKER
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. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)



COMPRESSIBLE FOAM SEAL WHEN REQUIRED

CONTINUOUS  
TIMBER PACKING

PRE-FINISHED  
PARAPET CAP  
FLASHING

SEPARATE BATTEN  
AND CLADDING  
WITH DPC AS  
REQUIRED

PRE-FINISHED FLAT  
HEAD EXPANDING  
MASONRY ANCHOR  
SCREW WITH  
NEOPRENE WASHER  
FOR FLASHING

PVC CAVITY CLOSER

METALCRAFT METCOM  
965 CLADDING ON  
CAVITY

PERMEABLE  
UNDERLAY SHOWN  
DASHED

STOPENDS ROOF  
CLADDING

METALCRAFT MSS  
PURLIN BY ENGINEER

CONCRETE WALL  
BY ENGINEER

MIN. 5.00°

5mm GAP

5mm GAP

**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 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**

	<b>CATEGORY A</b>	<b>CATEGORY B</b>	<b>CATEGORY C</b>	<b>CATEGORY D</b>
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES	VERY HIGH WIND ZONES ROOF PITCH $< 8^\circ$	SED WIND ZONES UP TO 60 m/s	SED WIND ZONES UP TO 68 m/s
	VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN $10^\circ$	EXTRA HIGH WIND ZONES - ALL ROOF PITCHES	ALL ROOF PITCH	ALL ROOF PITCH
G	25mm	25mm	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)	MIN. 100mm + HEM OR 125mm (VERTICALLY UP FACE - SMOOTH) MIN. 125mm + HEM (VERTICALLY UP FACE - PROFILED)	MIN. 100mm + HEM OR 125mm (VERTICALLY UP FACE - SMOOTH) MIN. 125mm + HEM (VERTICALLY UP FACE - PROFILED)
L	MIN. 150mm	MIN. 200mm	MIN. 200mm + BAFFLE	MIN. 200mm + BAFFLE
Z	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)	MIN. 100mm + HEM OR 125mm (VERTICALLY UP FACE - SMOOTH) MIN. 125mm + HEM (VERTICALLY UP FACE - PROFILED)	MIN. 100mm + HEM OR 125mm (VERTICALLY UP FACE - SMOOTH) MIN. 125mm + HEM (VERTICALLY UP FACE - PROFILED)

\* METCOM 965 MIN. ROOF PITCH = 3°

PRE-FINISHED ALUMINIUM APRON FLASHING

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH NEOPRENE WASHER ON EMBOSS WASHER WHEN REQUIRED

METALCRAFT METCOM 965 ROOFING

NOTCHED EDGE DRESSED OVER METCOM 965 RIBS

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

**PARAPET WITH TRANSVERSE APRON**

**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 and 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 965

Rev. 2.0

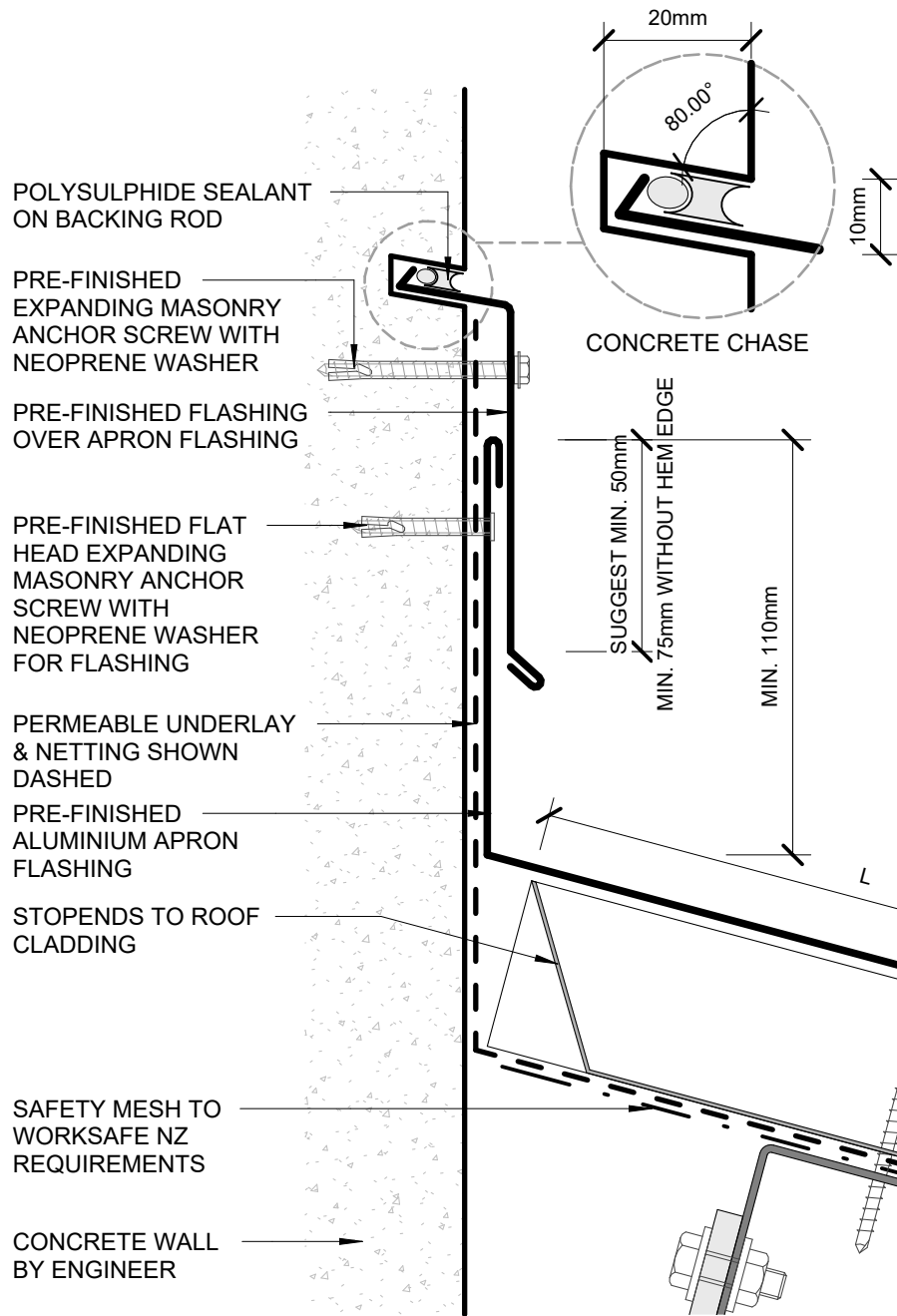
COMMERCIAL ROOFING

Reference CRMET965

Date JUNE 2024

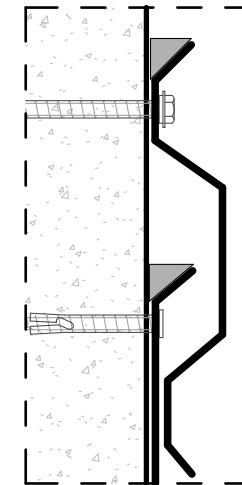
Scale 1 : 2

Sheet **D 08 / 16**



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

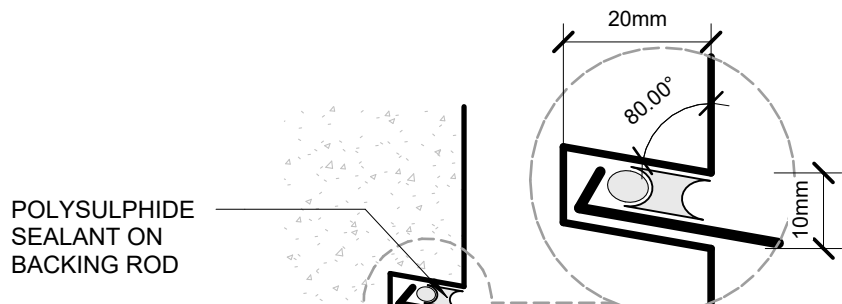
AS PER MRM CODE OF PRACTICE				
	<p><b>CATEGORY A</b></p> <p>LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES</p> <p>VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN <math>10^\circ</math></p> <p>L MIN. 150mm</p>	<p><b>CATEGORY B</b></p> <p>VERY HIGH WIND ZONES ROOF PITCH <math>&lt; 8^\circ</math></p> <p>EXTRA HIGH WIND ZONES - ALL ROOF PITCHES</p> <p>MIN. 200mm</p>	<p><b>CATEGORY C</b></p> <p>SED WIND ZONES UP TO 60 m/s</p> <p>ALL ROOF PITCH</p> <p>MIN. 200mm</p>	<p><b>CATEGORY D</b></p> <p>SED WIND ZONES UP TO 68 m/s</p> <p>ALL ROOF PITCH</p> <p>MIN. 200mm + BAFFLE</p>



FACE FIXED ALTERNATIVE

\* METCOM 965 MIN. ROOF PITCH =  $3^\circ$

- PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH NEOPRENE WASHER ON EMBOSS WASHER WHEN REQUIRED
- NOTCHED EDGE DRESSED OVER METCOM 965 RIBS
- METALCRAFT METCOM 965 ROOFING
- METALCRAFT MSS PURLIN BY ENGINEER



POLYSULPHIDE SEALANT ON BACKING ROD

PRE-FINISHED EXPANDING MASONRY ANCHOR SCREW WITH NEOPRENE WASHER

PRE-FINISHED FLAT HEAD EXPANDING MASONRY ANCHOR SCREW WITH NEOPRENE WASHER FOR FLASHING

PRE-FINISHED ALUMINIUM FLASHING OVER APRON FLASHING

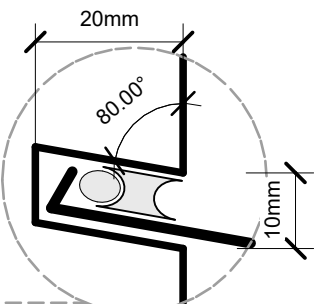
PERMEABLE UNDERLAY & NETTING SHOWN DASHED

PRE-FINISHED ALUMINIUM PARALLEL APRON FLASHING

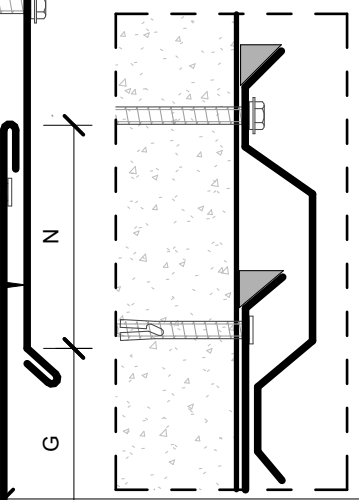
UNDERSOAKER FLASHING REQUIRED FOR NZ MRM COP CATEGORY D ONLY

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

METALCRAFT MSS PURLIN BY ENGINEER



CONCRETE CHASE



FACE FIXED ALTERNATIVE

M

**AS PER E2/ASI**

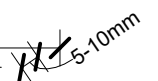
	<b>SITUATION 1</b>	<b>SITUATION 2</b>	<b>SITUATION 3</b>
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, AND HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE
G	MIN. 35mm	MIN. 35mm	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**

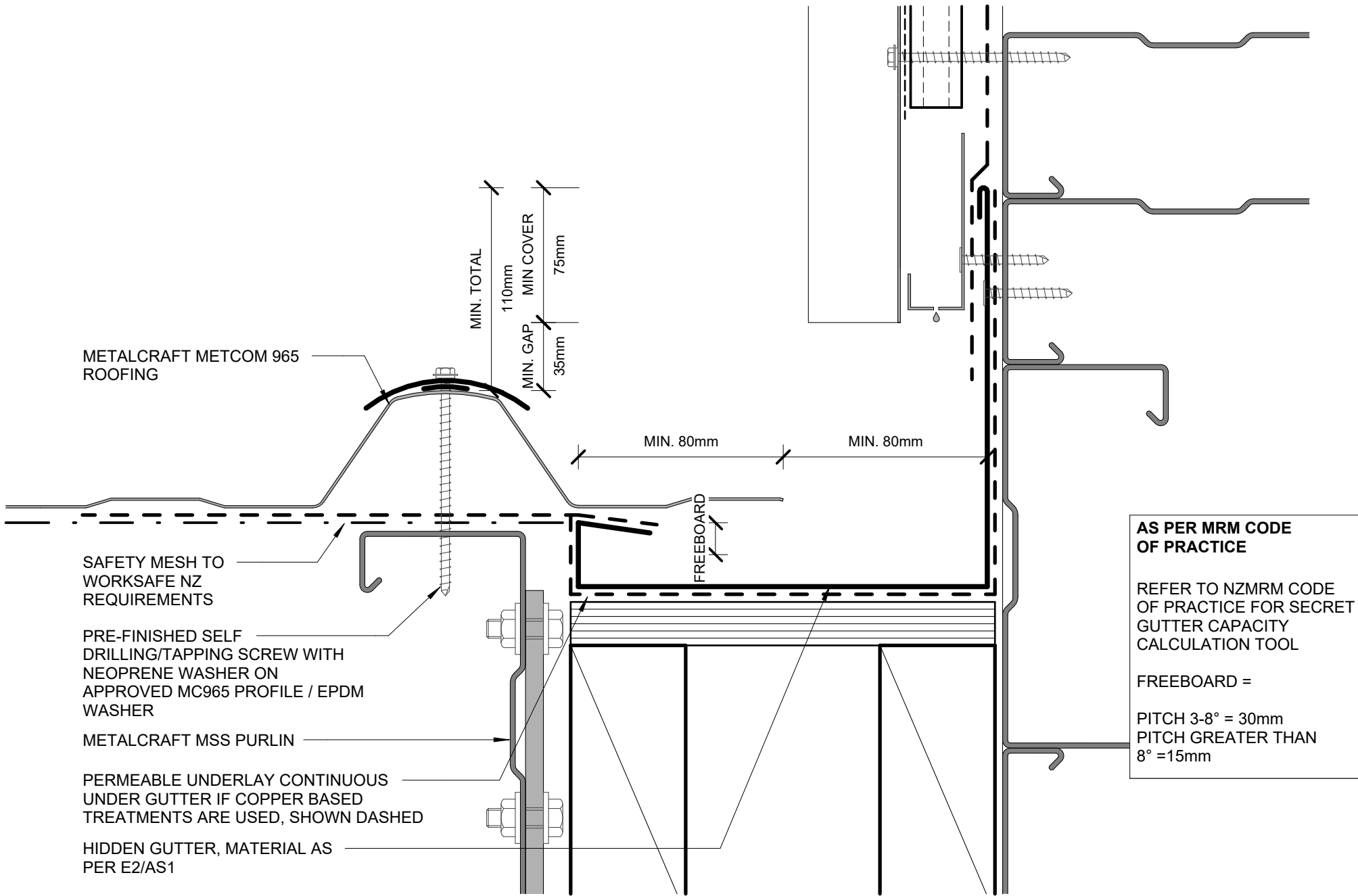
	<b>CATEGORY A</b>	<b>CATEGORY B</b>	<b>CATEGORY C</b>	<b>CATEGORY D</b>
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES  VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN $10^\circ$	VERY HIGH WIND ZONES ROOF PITCH $< 8^\circ$  EXTRA HIGH WIND ZONES - ALL ROOF PITCHES	SED WIND ZONES UP TO 60 m/s  ALL ROOF PITCH	SED WIND ZONES UP TO 68 m/s  ALL ROOF PITCH
G	25mm	25mm	25mm	25mm
N	MIN. 50mm + HEM QR 75mm (VERTICALLY UP FACE - SMOOTH) MIN. 75mm + HEM QR 100mm (VERTICALLY UP FACE - PROFILED)	MIN. 75mm + HEM QR 100mm (VERTICALLY UP FACE - SMOOTH) MIN. 100mm + HEM QR 125mm (VERTICALLY UP FACE - PROFILED)	MIN. 100mm + HEM QR 125mm (VERTICALLY UP FACE - SMOOTH) MIN. 125mm + HEM (VERTICALLY UP FACE - PROFILED)	MIN. 100mm + HEM QR 125mm (VERTICALLY UP FACE - SMOOTH) MIN. 125mm + HEM (VERTICALLY UP FACE - PROFILED)
M	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS	TWO RIBS ( $< 20\text{mm} > 34\text{mm}$ ) ONE RIB ( $< 34\text{mm}$ ) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS	TWO RIBS ( $< 20\text{mm} > 34\text{mm}$ ) ONE RIB ( $< 34\text{mm}$ ) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS	TWO RIBS ( $< 20\text{mm} > 34\text{mm}$ ) + UNDERSOAKER ONE RIB ( $< 34\text{mm}$ ) + UNDERSOAKER (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS + UNDERSOAKER

FLASHING SHOULD NOT EXCEED 300mm. A TURNED UP PAN EDGE TO FULL CREST HEIGHT (RIB) CONSTITUTES A CREST.

METALCRAFT METCOM 965 ROOFING



PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH NEOPRENE WASHER ON EMBOSS WASHER WHEN REQUIRED



METALCRAFT METCOM 965 ROOFING

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH NEOPRENE WASHER ON APPROVED MC965 PROFILE / EPDM WASHER

METALCRAFT MSS PURLIN

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

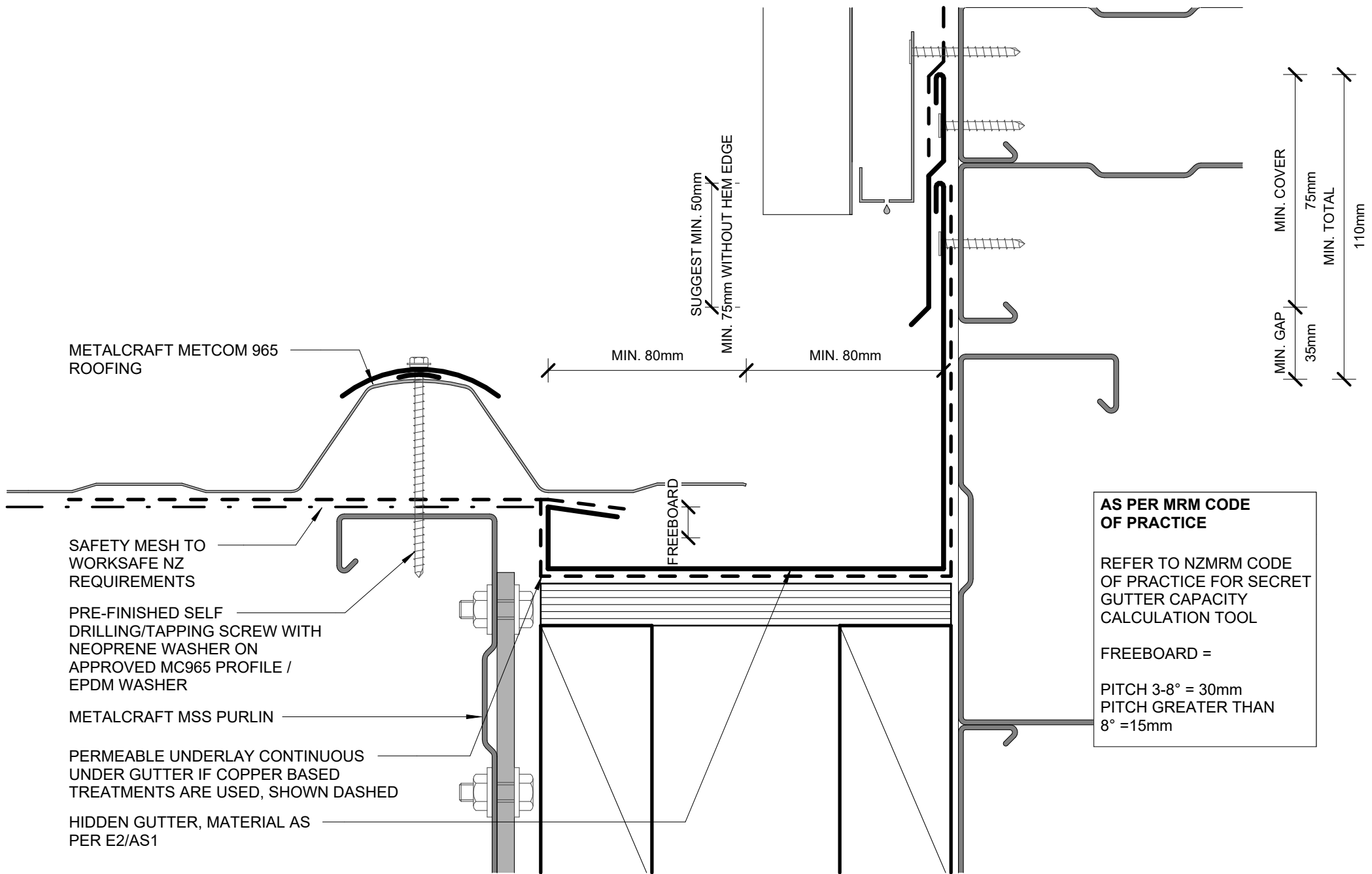
HIDDEN GUTTER, MATERIAL AS PER E2/AS1

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

MIN. 80mm MIN. 80mm

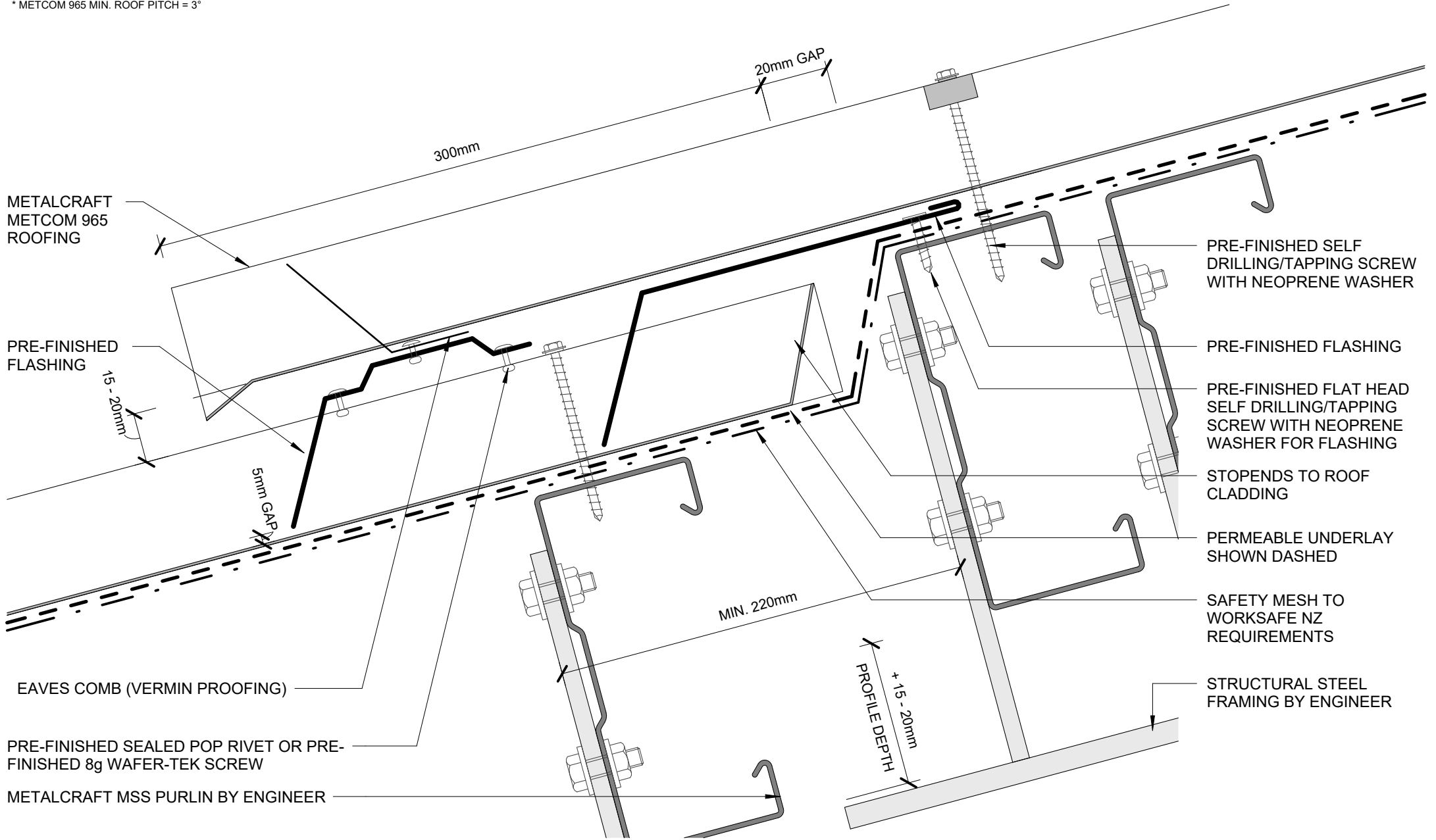
FREEBOARD

AS PER MRM CODE OF PRACTICE  
REFER TO NZMRM CODE OF PRACTICE FOR SECRET GUTTER CAPACITY CALCULATION TOOL  
FREEBOARD =  
PITCH 3-8° = 30mm  
PITCH GREATER THAN 8° = 15mm



**PARALLEL HIDDEN GUTTER (2 PART FLASHING)**

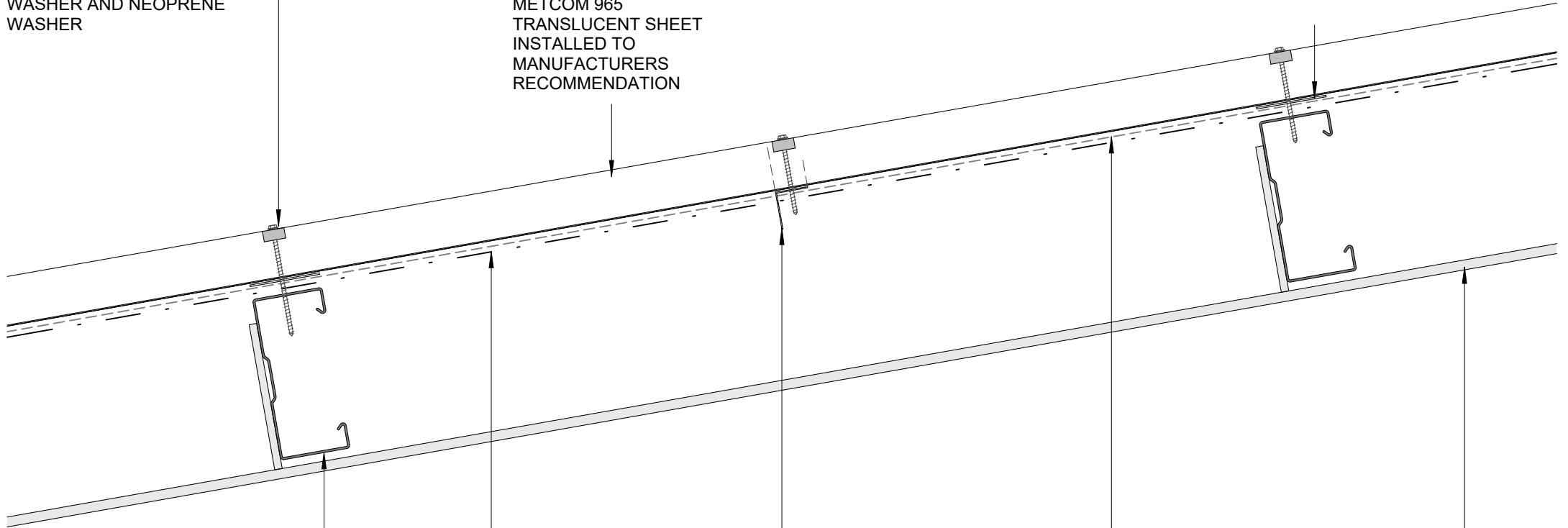
\* METCOM 965 MIN. ROOF PITCH = 3°



FIXING WITH PROFILED  
WASHER AND NEOPRENE  
WASHER

ALSYNITE ONE LTD  
METCOM 965  
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 AND MID SPAN SUPPORT AS  
PER ALSYNITE ONE LTD LITERATURE  
[WWW.ALSYNITE.CO.NZ](http://WWW.ALSYNITE.CO.NZ)

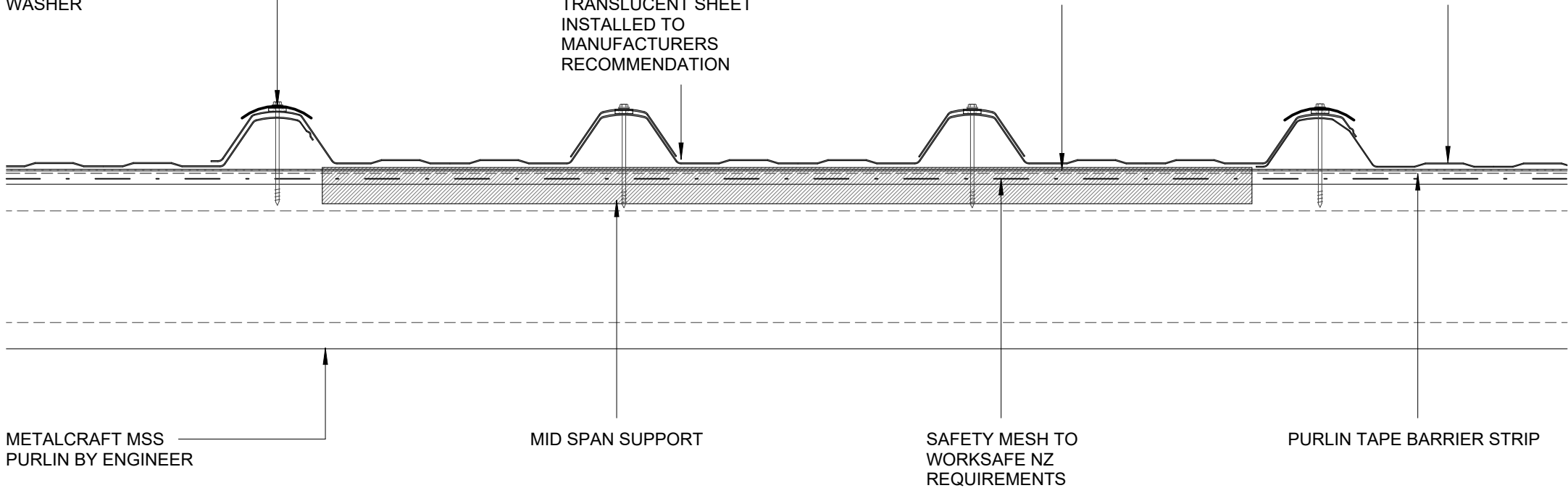


FIXING WITH PROFILED  
WASHER AND NEOPRENE  
WASHER

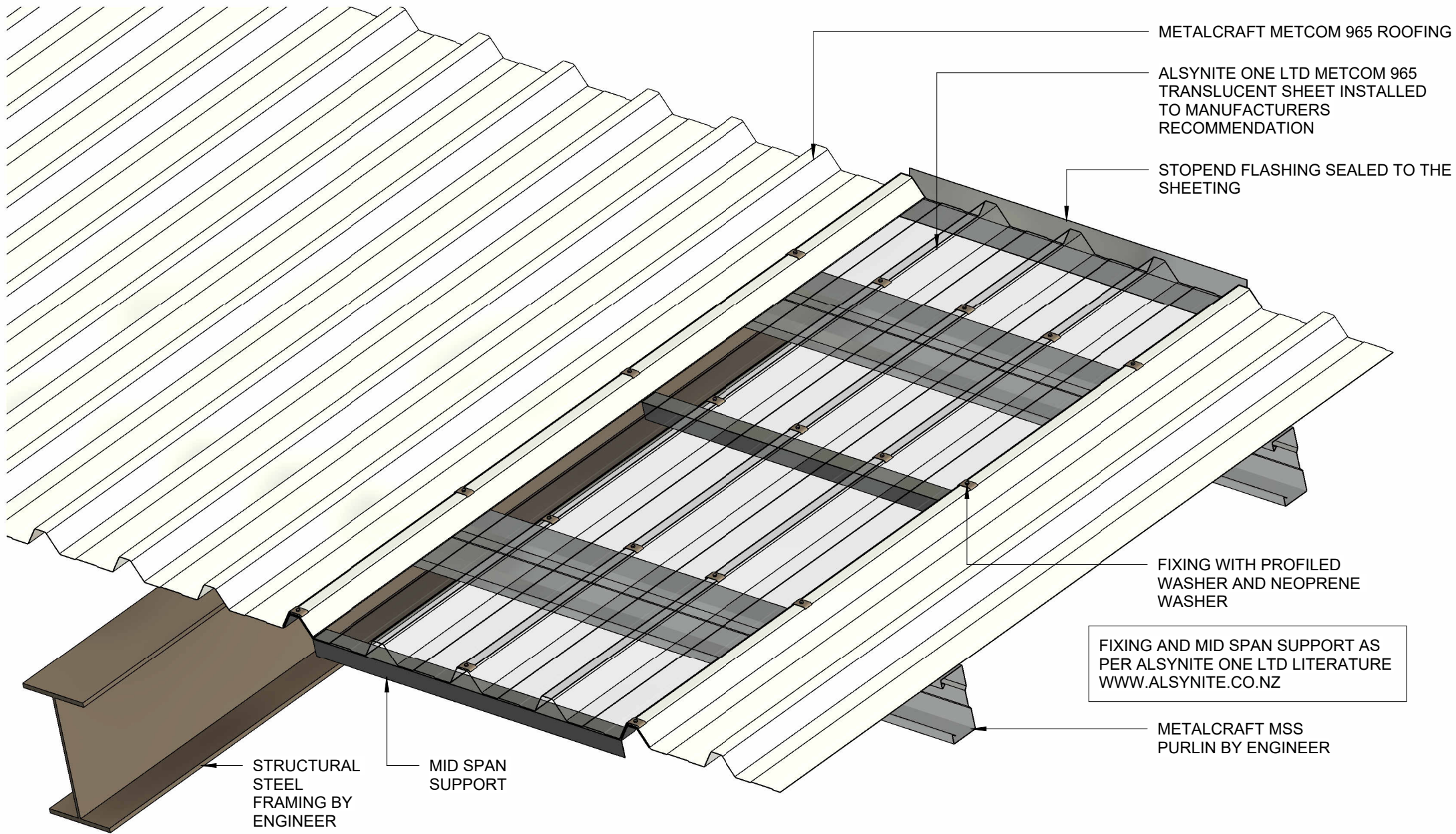
ALSYNITE ONE LTD  
METCOM 965  
TRANSLUCENT SHEET  
INSTALLED TO  
MANUFACTURERS  
RECOMMENDATION

PURLIN PROTECTION

METALCRAFT METCOM 965  
ROOFING



FIXING AND MID SPAN SUPPORT AS  
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METALCRAFT METCOM 965 ROOFING

ALSYNITE ONE LTD METCOM 965  
TRANSLUCENT SHEET INSTALLED  
TO MANUFACTURERS  
RECOMMENDATION

STOPEND FLASHING SEALED TO THE  
SHEETING

FIXING WITH PROFILED  
WASHER AND NEOPRENE  
WASHER

FIXING AND MID SPAN SUPPORT AS  
PER ALSYNITE ONE LTD LITERATURE  
[WWW.ALSYNITE.CO.NZ](http://WWW.ALSYNITE.CO.NZ)

METALCRAFT MSS  
PURLIN BY ENGINEER

STRUCTURAL  
STEEL  
FRAMING BY  
ENGINEER

MID SPAN  
SUPPORT