

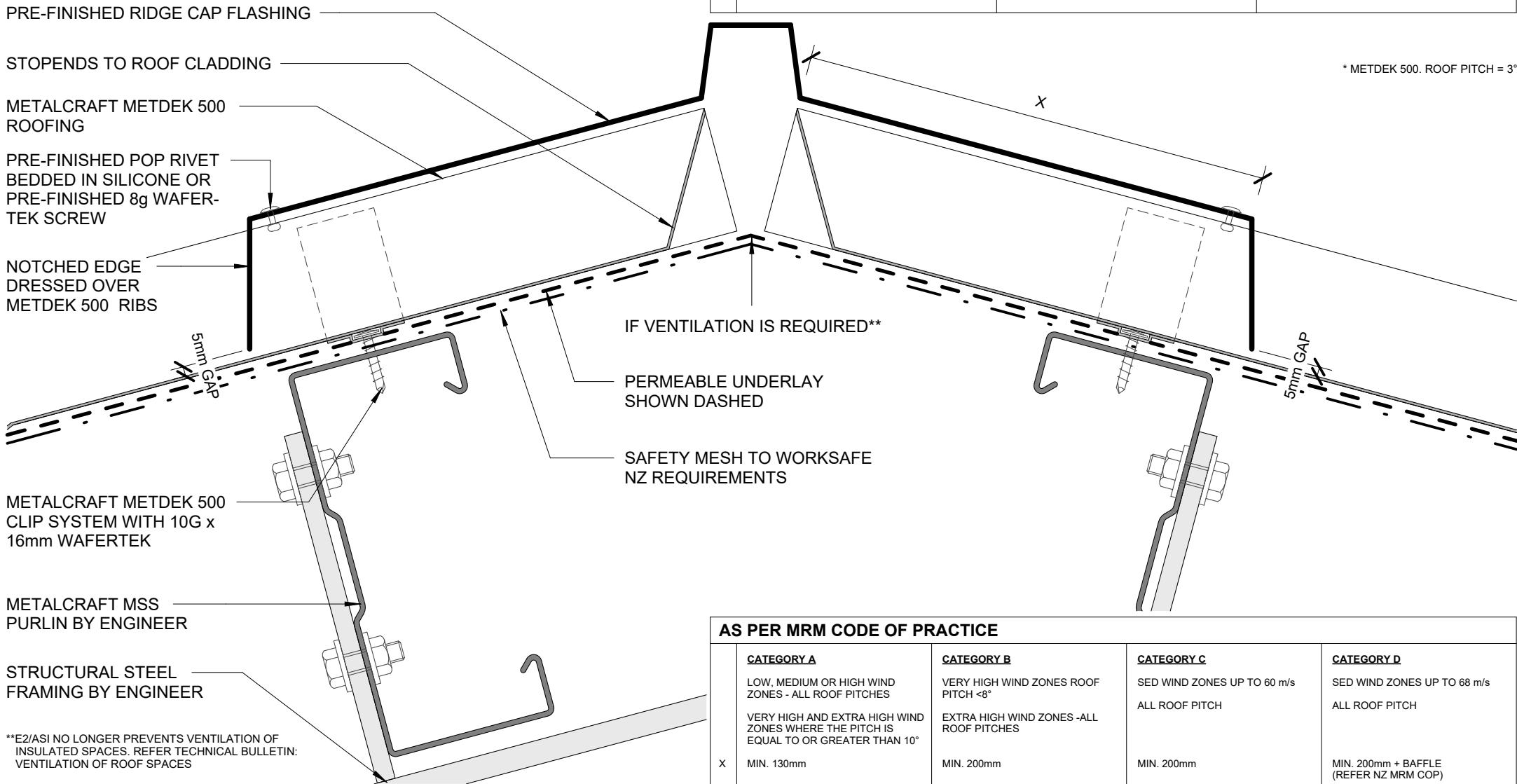
Metdek 500

COMMERCIAL ROOFING

<u>DETAIL LIST</u>	<u>Revision</u>	<u>Date</u>
00 / 16	COVER SHEET	
01 / 16	RIDGE WITH PROFILED APEX	3.0 SEP 2024
02 / 16	RIDGE WITH NON PROFILED APEX	3.0 SEP 2024
03 / 16	SAWTOOTH RIDGE	3.0 SEP 2024
04 / 16	INTERNAL GUTTER	3.0 SEP 2024
05 / 16	FLUSH EAVE WITH EXTERNAL GUTTER BRACKET	3.0 SEP 2024
06 / 16	BARGE WITH NO SOFFIT	3.0 SEP 2024
07 / 16	BARGE WITH SOFFIT	3.0 SEP 2024
08 / 16	PARAPET WITH TRANSVERSE APRON	3.0 SEP 2024
09 / 16	TRANSVERSE APRON	3.0 SEP 2024
10 / 16	PARALLEL APRON	3.0 SEP 2024
11 / 16	PARALLEL HIDDEN GUTTER	3.0 SEP 2024
12 / 16	PARALLEL HIDDEN GUTTER (2 PART FLASHING)	3.0 SEP 2024
13 / 16	ROOF STEP	3.0 SEP 2024
14 / 16	TRANSLUCENT SHEETS - LONG SECTION	3.0 SEP 2024
15 / 16	TRANSLUCENT SHEETS - CROSS	3.0 SEP 2024
16 / 16	3D TRANSLUCENT SHEETS	3.0 SEP 2024

AS PER E2/AS1

	<u>SITUATION 1</u>	<u>SITUATION 2</u>	<u>SITUATION 3</u>
X	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10° 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 ≤ 10° 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)



* METDEK 500. ROOF PITCH = 3°

AS PER MRM CODE OF PRACTICE

	<u>CATEGORY A</u>	<u>CATEGORY B</u>	<u>CATEGORY C</u>	<u>CATEGORY D</u>
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° 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)

**E2/AS1 NO LONGER PREVENTS VENTILATION OF INSULATED SPACES. REFER TECHNICAL BULLETIN: VENTILATION OF ROOF SPACES

- BUILDING PAPER IS THE COMMON GENERIC NAME FOR PERMEABLE ROOF AND WALL UNDERLAYS. PLEASE REFER TO NZBC E2/AS1 AND MRM CODE OF PRACTICE.

* - PLEASE REFER TO MRM CODE OF PRACTICE AS MINIMUM PITCH WILL INCREASE DEPENDING ON DEFLECTION AND RAINWATER

DISCLAIMER:
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**RIDGE WITH PROFILED APEX
COMMERCIAL ROOFING**

Metdek 500

Rev. 3.0

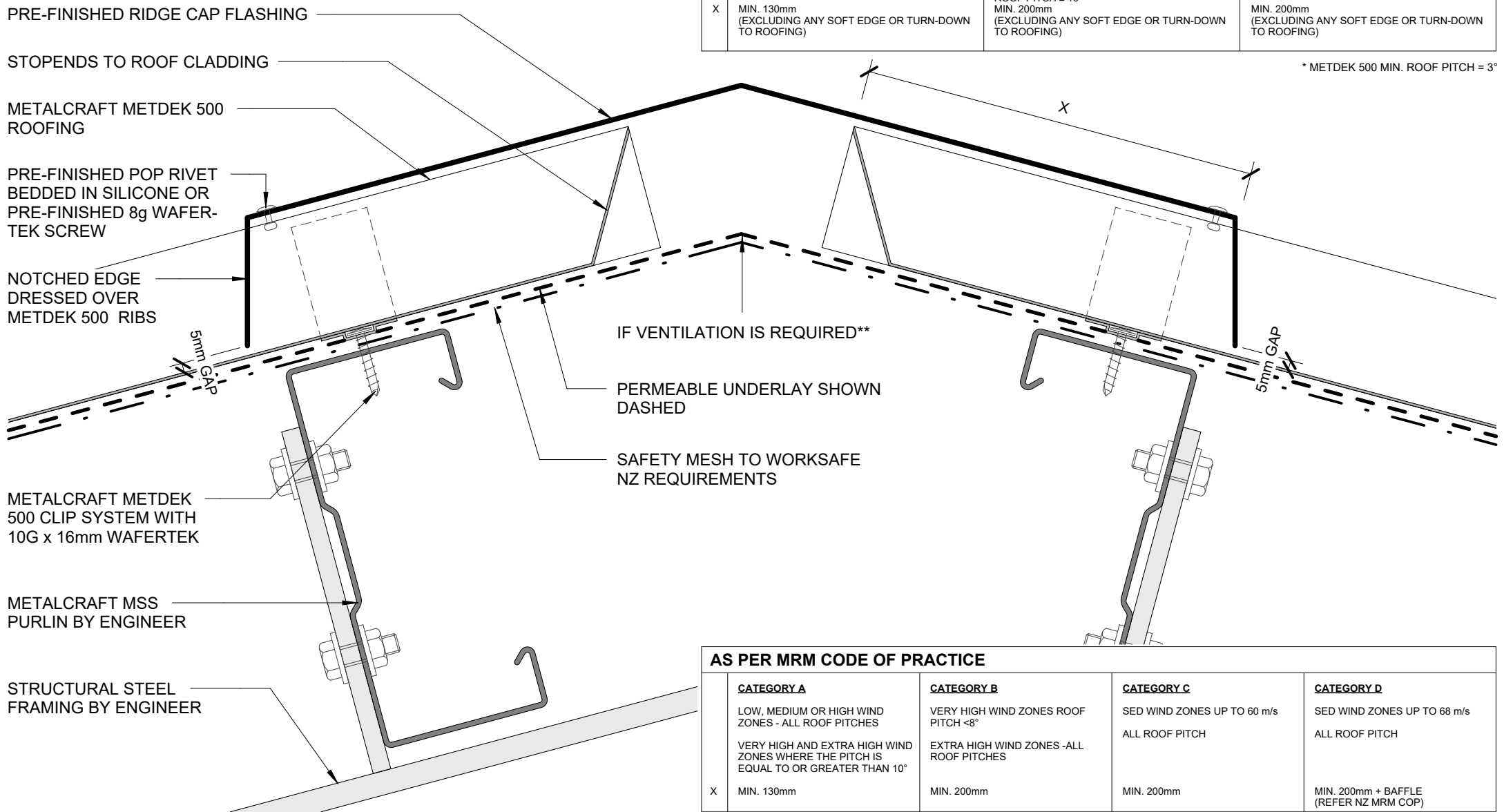
Reference CRMD500

Date SEP 2024

Scale 1 : 2

Sheet **01 / 16**

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. 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)



AS PER MRM CODE OF PRACTICE				
	CATEGORY A 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°	CATEGORY B VERY HIGH WIND ZONES ROOF PITCH $< 8^\circ$ EXTRA HIGH WIND ZONES - ALL ROOF PITCHES	CATEGORY C SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH	CATEGORY D SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH
X	MIN. 130mm	MIN. 200mm	MIN. 200mm	MIN. 200mm + BAFFLE (REFER NZ MRM COP)

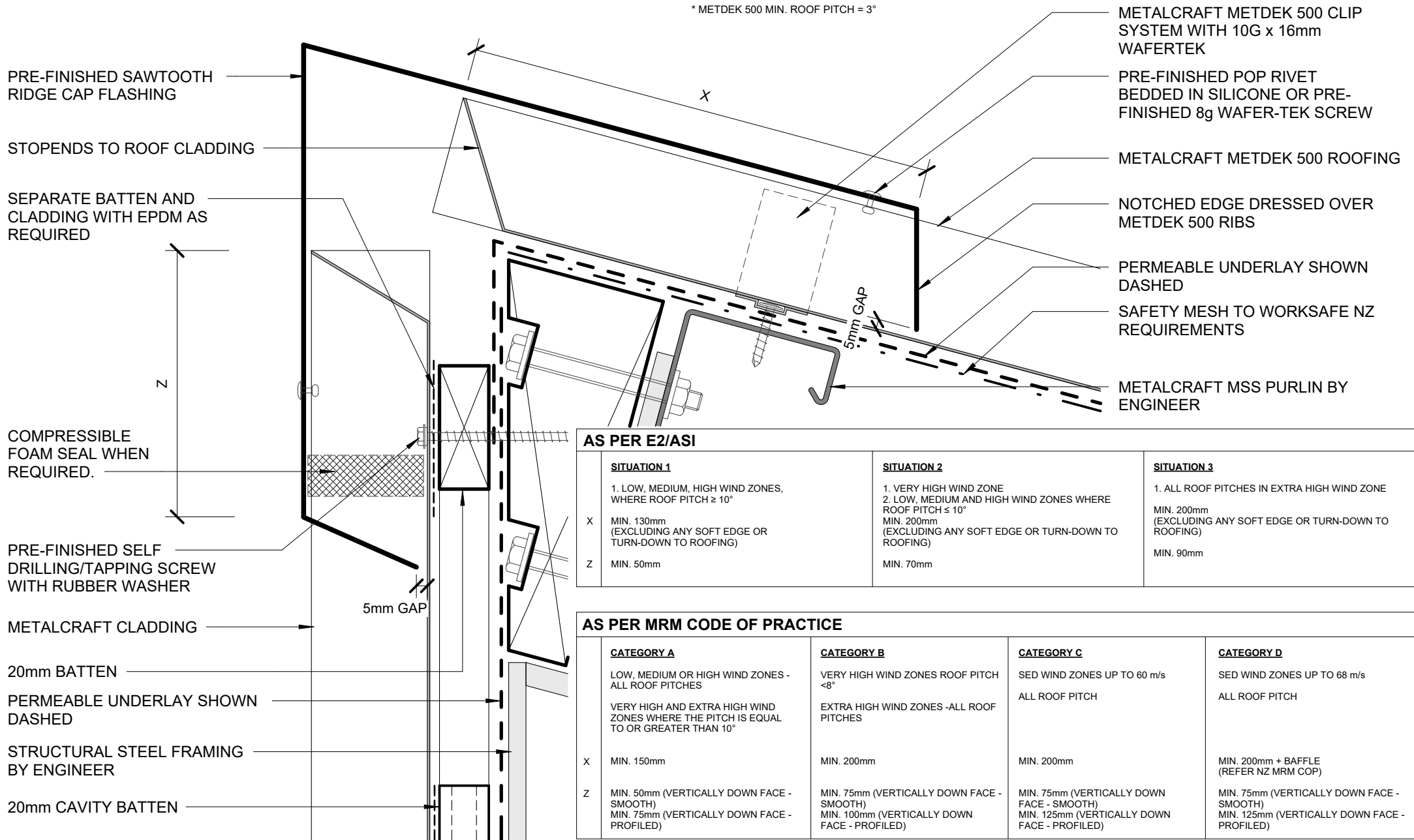
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RIDGE WITH NON PROFILED APEX
 COMMERCIAL ROOFING

* METDEK 500 MIN. ROOF PITCH = 3°



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

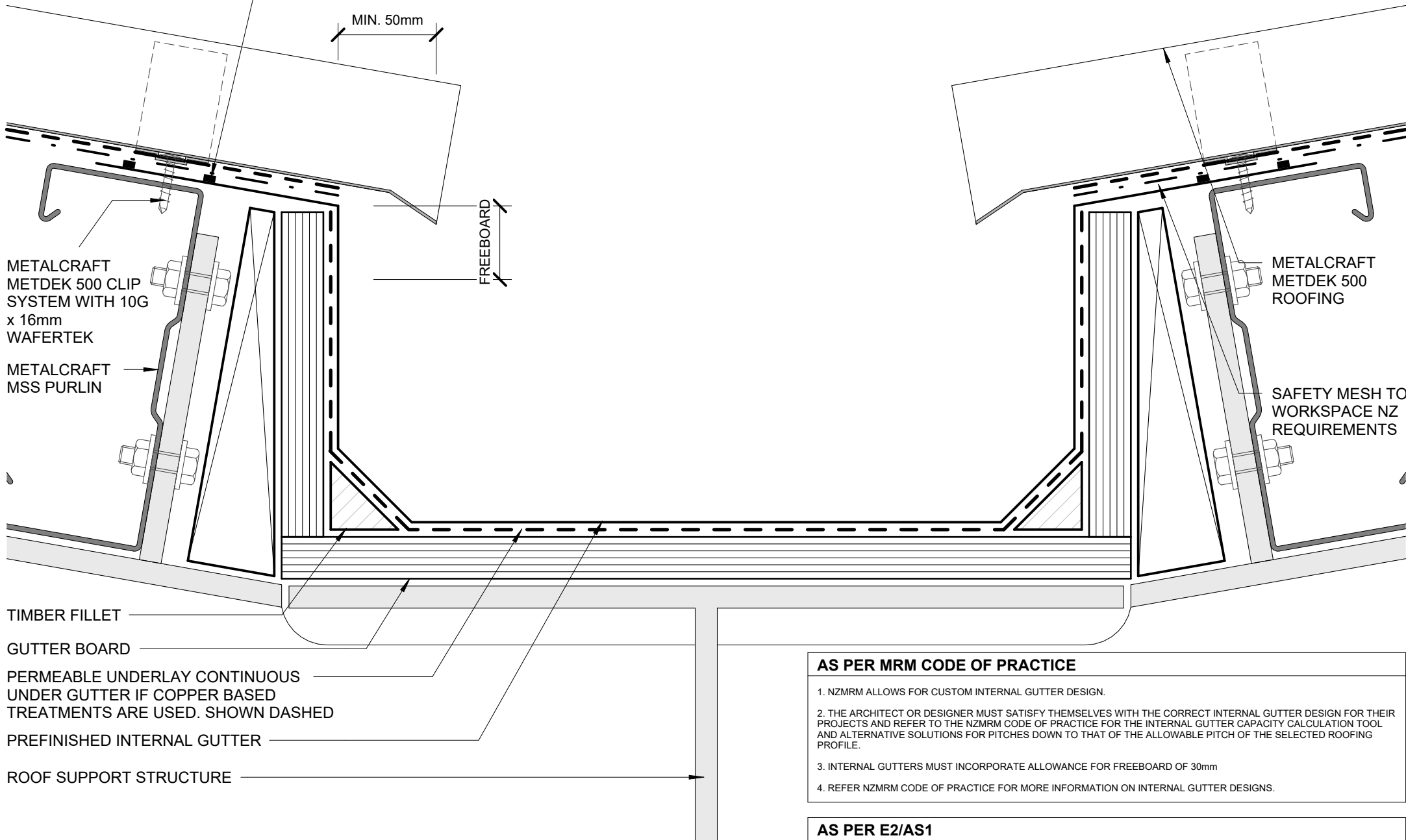
AS PER MRM CODE OF PRACTICE				
	CATEGORY A	CATEGORY B	CATEGORY C	CATEGORY D
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	VERY HIGH WIND ZONES ROOF PITCH $< 8^\circ$ EXTRA HIGH WIND ZONES - ALL ROOF PITCHES	SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH	SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH
X	MIN. 150mm	MIN. 200mm	MIN. 200mm	MIN. 200mm + BAFFLE (REFER NZ MRM COP)
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)

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SEPARATION OF BUTTE GUTTER AND METAL ROOFING WITH LAP SEAL TAPE



METALCRAFT METDEK 500 CLIP SYSTEM WITH 10G x 16mm WAFERTEK
METALCRAFT MSS PURLIN

METALCRAFT METDEK 500 ROOFING

SAFETY MESH TO WORKSPACE NZ REQUIREMENTS

TIMBER FILLET
GUTTER BOARD
PERMEABLE UNDERLAY CONTINUOUS UNDER GUTTER IF COPPER BASED TREATMENTS ARE USED. SHOWN DASHED
PREFINISHED INTERNAL GUTTER
ROOF SUPPORT STRUCTURE

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.

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**INTERNAL GUTTER
COMMERCIAL ROOFING**

Metdek 500 Rev. 3.0

Reference CRMD500

Date SEP 2024

Scale 1 : 2

Sheet **04 / 16**

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

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

* METDEK 500
 MIN. ROOF PITCH = 3°
 15.00°

DIMENSION TO SUIT
 SUGGEST MIN. 125mm

METALCRAFT METDEK 500 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

METALCRAFT BOX GUTTER 125 WITH EXTERNAL BRACKET

DPC SEPERATION AS REQUIRED

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH NEOPRENE WASHER

SEPARATE BATTEN AND CLADDING WITH EPDM AS REQUIRED

COMPRESSIBLE FOAM SEAL WHEN REQUIRED

METALCRAFT CLADDING ON CAVITY

METALCRAFT MSS PURLIN BY ENGINEER

MIN. 35mm
 OVERLAP

*OVERFLOW

MIN. 10mm

PACKER

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

METALCRAFT METDEK 500 CLIP SYSTEM WITH 10G x 16mm WAFERTEK

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

5mm GAP

STRUCTURAL STEEL FRAMING BY ENGINEER

* - PLEASE REFER TO MRM CODE OF PRACTICE AS MINIMUM PITCH WILL INCREASE DEPENDING ON DEFLECTION AND RAINWATER

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FLUSH EAVE WITH EXTERNAL GUTTER BRACKET

Metdek 500

Rev. 3.0

COMMERCIAL ROOFING

Reference CRMD500

Date SEP 2024

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UNDERSOAKER FLASHING REQUIRED FOR NZ MRM COP CATEGORY D ONLY

PRE-FINISHED POP RIVET BEDDED IN SILICONE OR PRE-FINISHED 8g WAFER-TEK SCREW

COMPRESSIBLE FOAM SEAL WHEN REQUIRED.

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH RUBBER WASHER

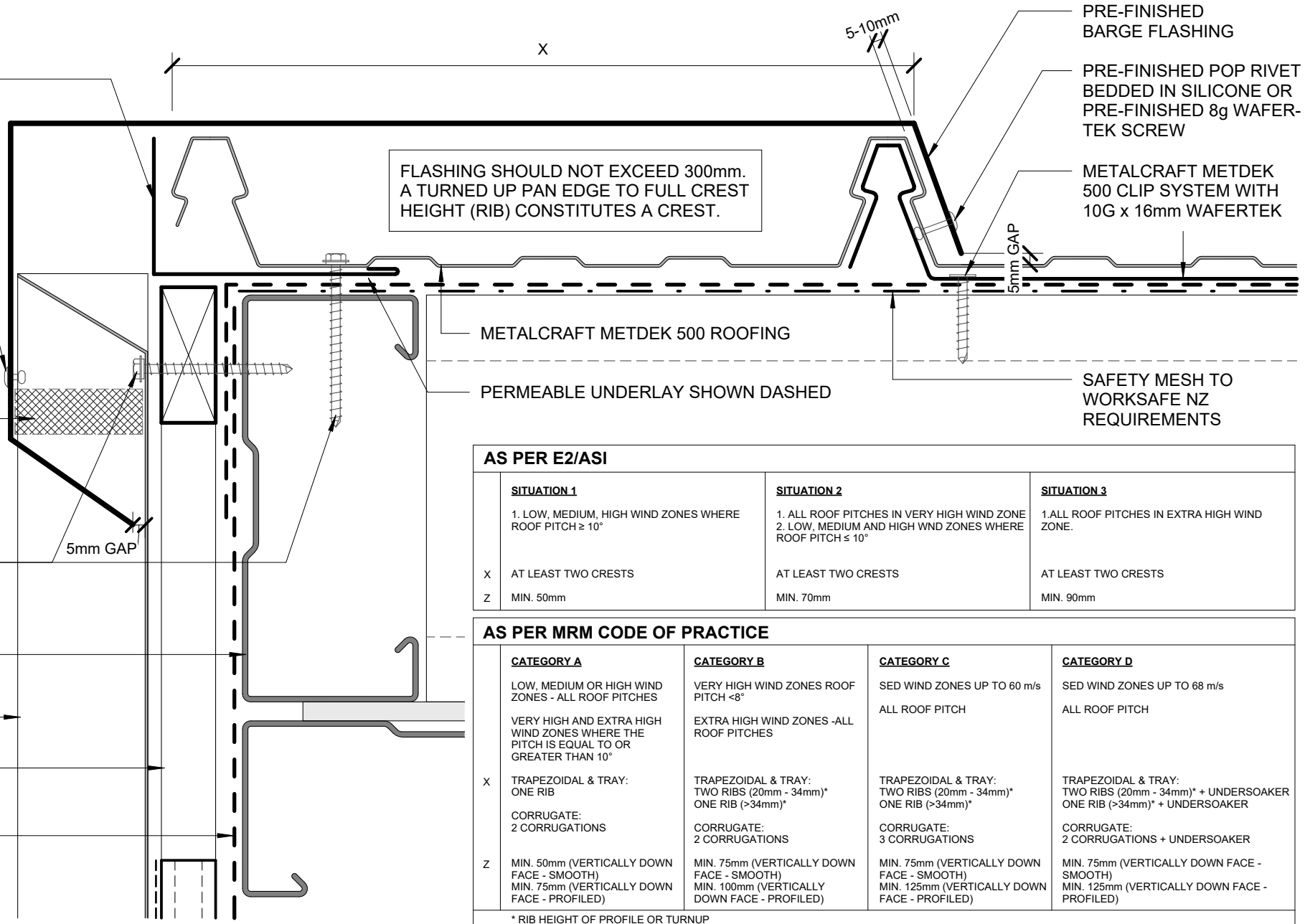
METALCRAFT MSS PURLIN BY ENGINEER

METALCRAFT CLADDING

20mm CAVITY

PERMEABLE UNDERLAY SHOWN DASHED

*IF VENTILATION IS REQUIRED



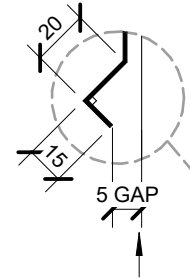
FLASHING SHOULD NOT EXCEED 300mm. A TURNED UP PAN EDGE TO FULL CREST HEIGHT (RIB) CONSTITUTES A CREST.

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 AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	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
X	TRAPEZOIDAL & TRAY: ONE RIB CORRUGATE: 2 CORRUGATIONS	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB (> 34 mm)* CORRUGATE: 2 CORRUGATIONS	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB (> 34 mm)* CORRUGATE: 3 CORRUGATIONS	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* + UNDERSOAKER ONE RIB (> 34 mm)* + UNDERSOAKER CORRUGATE: 2 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)
* RIB HEIGHT OF PROFILE OR TURNUP				

UNDERSOAKER
FLASHING REQUIRED
FOR NZ MRM COP
CATEGORY D ONLY

PRE-FINISHED
BARGE FLASHING



ALTERNATIVE
OPTION
BIRDS BEAK EDGE
HEMMED EDGE

PRE-FINISHED SELF
DRILLING/TAPPING SCREW
WITH RUBBER WASHER

METALCRAFT MSS PURLIN
BY ENGINEER

PERMEABLE UNDERLAY SHOWN
DASHED

BARGE BOARD PRE
PRIMED

SOFFIT LINING

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

X

5-10mm

PRE-FINISHED POP RIVET BEDDED
IN SILICONE OR PRE-FINISHED 8g
WAFER-TEK SCREW

METALCRAFT METDEK 500 CLIP
SYSTEM WITH 10G x 16mm
WAFERTEK

PERMEABLE UNDERLAY
SHOWN DASHED

5mm GAP

METALCRAFT METDEK 500
ROOFING

SAFETY MESH TO WORKSAFE
NZ REQUIREMENTS

PRE-FINISHED SELF
DRILLING/TAPPING SCREW
WITH RUBBER WASHER

AS PER E2/ASI

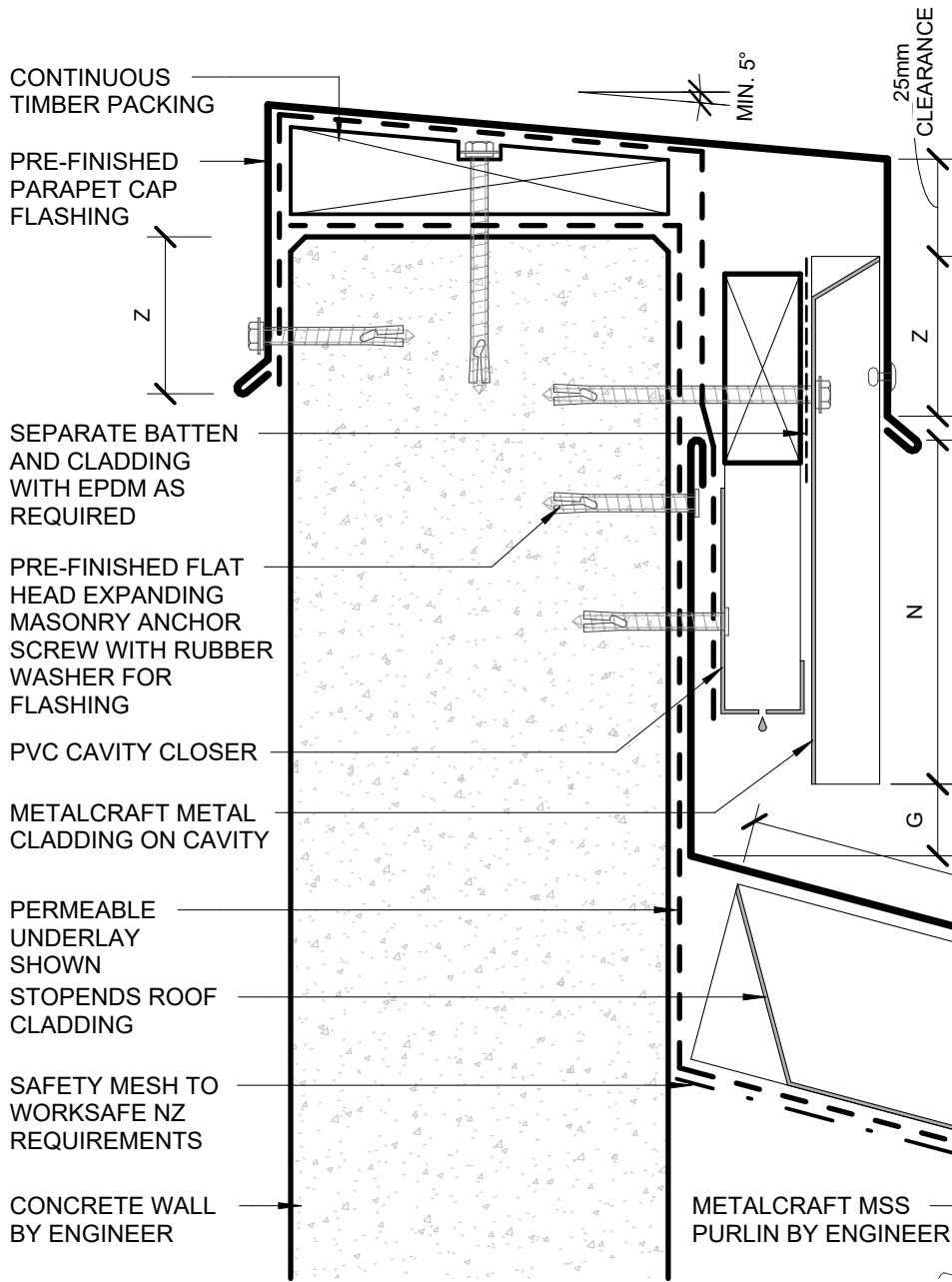
	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH WND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE.
X	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS	AT 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 AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	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
X	TRAPEZOIDAL & TRAY: ONE RIB CORRUGATE: 2 CORRUGATIONS	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB ($> 34mm$)* CORRUGATE: 2 CORRUGATIONS	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB ($> 34mm$)* CORRUGATE: 3 CORRUGATIONS	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* + UNDERSOAKER ONE RIB ($> 34mm$)* + UNDERSOAKER CORRUGATE: 2 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)

* RIB HEIGHT OF PROFILE OR TURNUP

*IF VENTILATION IS REQUIRED



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	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°	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. 130mm	MIN. 200mm	MIN. 200mm + BAFFLE (REFER NZ MRM COP)	MIN. 200mm + BAFFLE (REFER NZ MRM COP)
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. 100mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 100mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)

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PARAPET WITH TRANSVERSE APRON

Metdek 500

Rev. 3.0

COMMERCIAL ROOFING

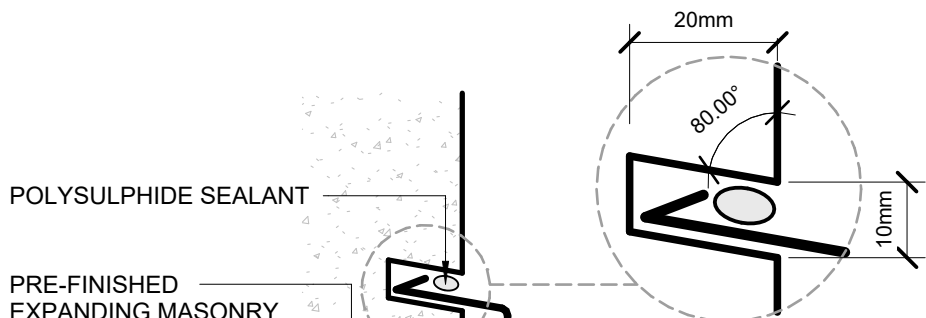
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Date SEP 2024

Scale 1 : 2

Sheet

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POLYSULPHIDE SEALANT

PRE-FINISHED EXPANDING MASONRY ANCHOR SCREW WITH RUBBER WASHER

PRE-FINISHED FLASHING OVER APRON FLASHING

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

PERMEABLE UNDERLAY SHOWN DASHED

PRE-FINISHED APRON FLASHING

STOPENDS TO ROOF CLADDING

METALCRAFT METDEK 500 CLIP SYSTEM WITH 10G x 16mm WAFERTEK

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

CONCRETE WALL BY ENGINEER

CONCRETE CHASE

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

MIN. 25mm

* METDEK 500
MIN. ROOF PITCH = 3°

15.00°

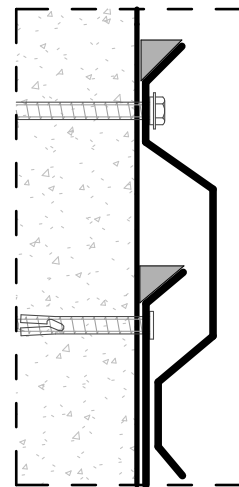
5mm GAP

AS PER E2/ASI

	<u>SITUATION 1</u>	<u>SITUATION 2</u>	<u>SITUATION 3</u>
L	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10° MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	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)	1. ALL ROOF PITCHES EXTRA HIGH WIND ZONE MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)

AS PER MRM CODE OF PRACTICE

	<u>CATEGORY A</u>	<u>CATEGORY B</u>	<u>CATEGORY C</u>	<u>CATEGORY D</u>
L	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° EXTRA HIGH WIND ZONES - ALL ROOF PITCHES MIN. 200mm	SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH MIN. 200mm + BAFFLE (REFER NZ MRM COP)	SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH MIN. 200mm + BAFFLE (REFER NZ MRM COP)



FACE FIXED ALTERNATIVE

PRE-FINISHED POP RIVET BEDDED IN SILICONE OR PRE-FINISHED 8g WAFER-TEK SCREW

METALCRAFT METDEK 500 ROOFING

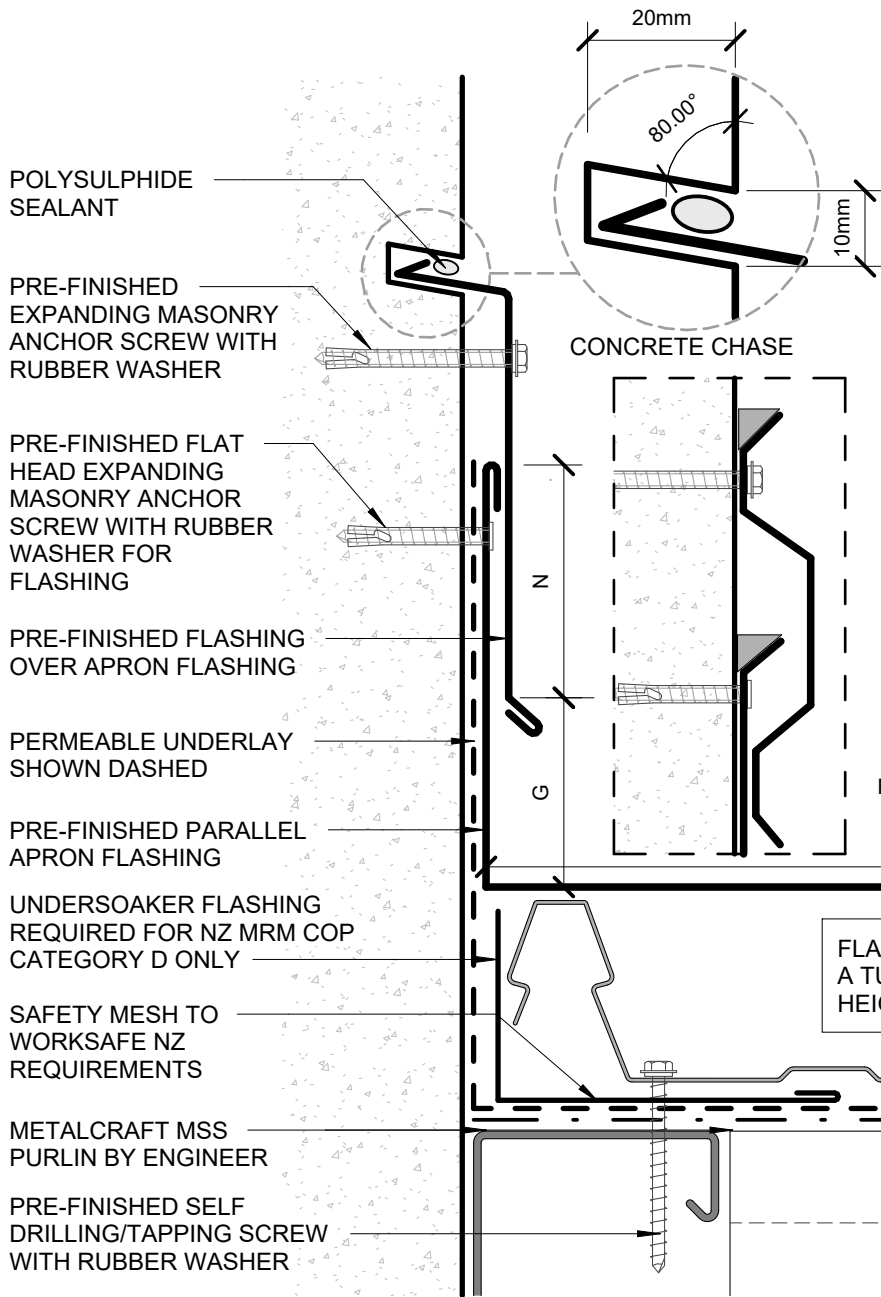
NOTCHED EDGE DRESSED OVER METDEK 500 RIBS

METALCRAFT MSS PURLIN BY ENGINEER

- BUILDING PAPER IS THE COMMON GENERIC NAME FOR PERMEABLE ROOF AND WALL UNDERLAYS. PLEASE REFER TO NZBC E2/AS1 AND MRM CODE OF PRACTICE.

* - PLEASE REFER TO MRM CODE OF PRACTICE AS MINIMUM PITCH WILL INCREASE DEPENDING ON DEFLECTION AND RAINWATER

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AS PER E2/AS1

	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	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°	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 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)
M	TRAPEZOIDAL & TRAY: ONE RIB CORRUGATE: 2 CORRUGATIONS	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB (>34mm)* CORRUGATE: 2 CORRUGATIONS	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB (>34mm)* CORRUGATE: 3 CORRUGATIONS	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* + UNDERSOAKER ONE RIB (>34mm)* + UNDERSOAKER CORRUGATE: 2 CORRUGATIONS + UNDERSOAKER

* RIB HEIGHT OF PROFILE OR TURNUP

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

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METALCRAFT METDEK 500 ROOFING

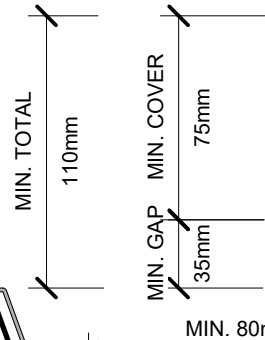
SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

METALCRAFT METDEK 500 CLIP SYSTEM WITH 10G x 16mm WAFERTEK

METALCRAFT MSS PURLIN

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

PREFINISHED HIDDEN GUTTER



FREEBOARD

AS PER MRM CODE OF PRACTICE

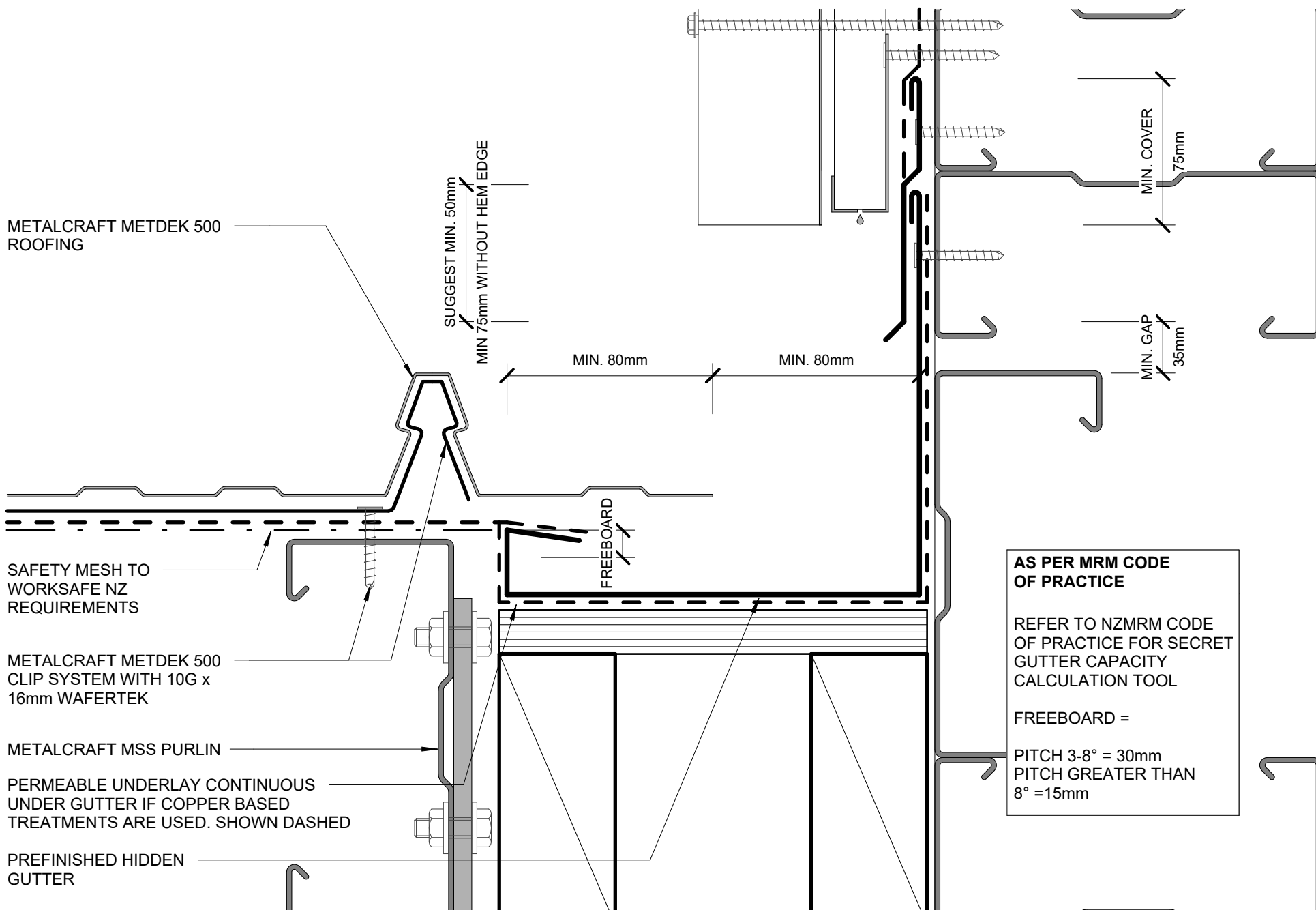
REFER TO NZMRM CODE OF PRACTICE FOR SECRET GUTTER CAPACITY CALCULATION TOOL

FREEBOARD =

PITCH 3-8° = 30mm
PITCH GREATER THAN 8° = 15mm

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METALCRAFT METDEK 500 ROOFING

SUGGEST MIN. 50mm
MIN 75mm WITHOUT HEM EDGE

MIN. 80mm

MIN. 80mm

MIN. COVER
75mm

MIN. GAP
35mm

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

METALCRAFT METDEK 500 CLIP SYSTEM WITH 10G x 16mm WAFERTEK

METALCRAFT MSS PURLIN

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

PREFINISHED HIDDEN GUTTER

FREEBOARD

AS PER MRM CODE OF PRACTICE

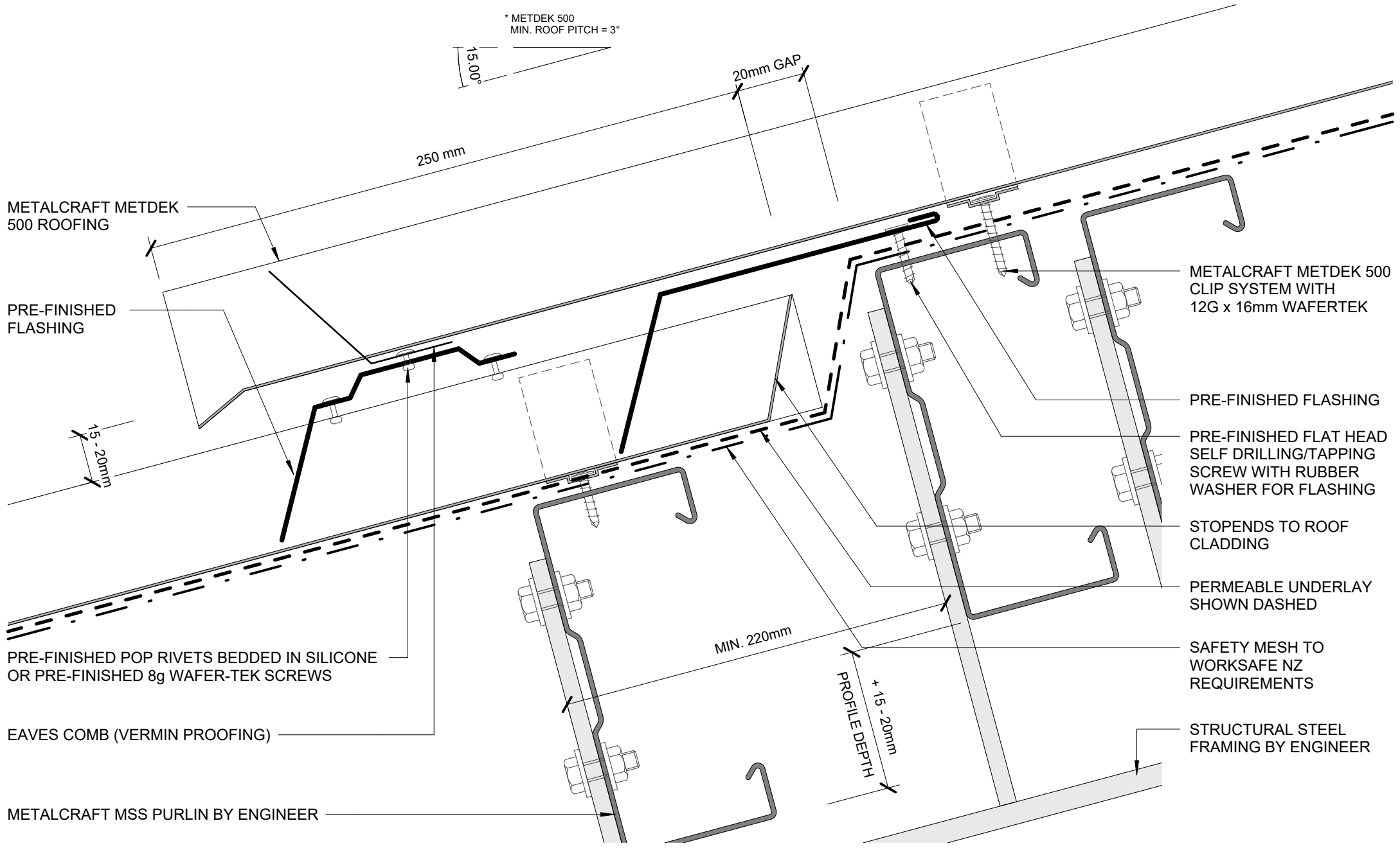
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PARALLEL HIDDEN GUTTER (2 PART FLASHING)



* METDEK 500
MIN. ROOF PITCH = 3°

METALCRAFT METDEK
500 ROOFING

PRE-FINISHED
FLASHING

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

EAVES COMB (VERMIN PROOFING)

METALCRAFT MSS PURLIN BY ENGINEER

METALCRAFT METDEK 500
CLIP SYSTEM WITH
12G x 16mm WAFERTEK

PRE-FINISHED FLASHING

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

STOPENDS TO ROOF
CLADDING

PERMEABLE UNDERLAY
SHOWN DASHED

SAFETY MESH TO
WORKSAFE NZ
REQUIREMENTS

STRUCTURAL STEEL
FRAMING BY ENGINEER

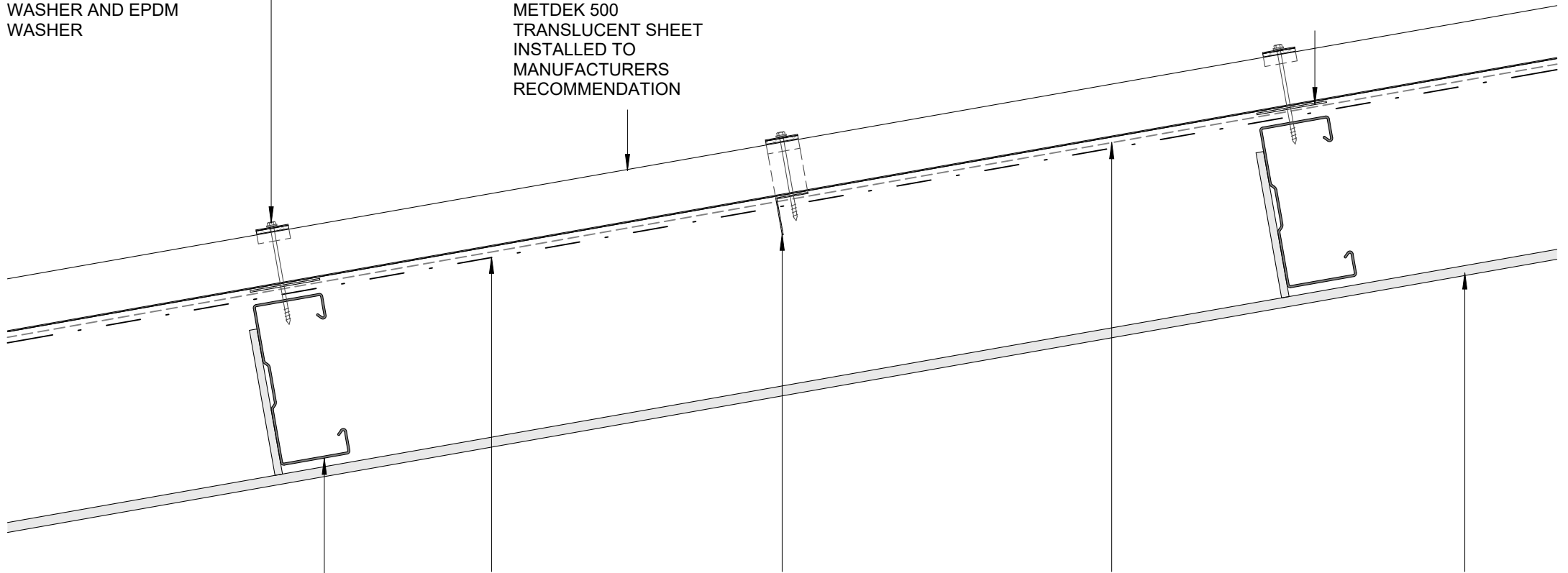
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FIXING WITH PROFILED
WASHER AND EPDM
WASHER

ALSYNITE ONE NZ LTD
METDEK 500
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 NZ LTD
LITERATURE WWW.ALSYNITE.CO.NZ

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Metalcraft
Roofing
www.metalcraftgroup.co.nz

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TRANSLUCENT SHEETS - LONG SECTION

Metdek 500

Rev. 3.0

COMMERCIAL ROOFING

Reference CRMD500

Date SEP 2024

Scale 1 : 5

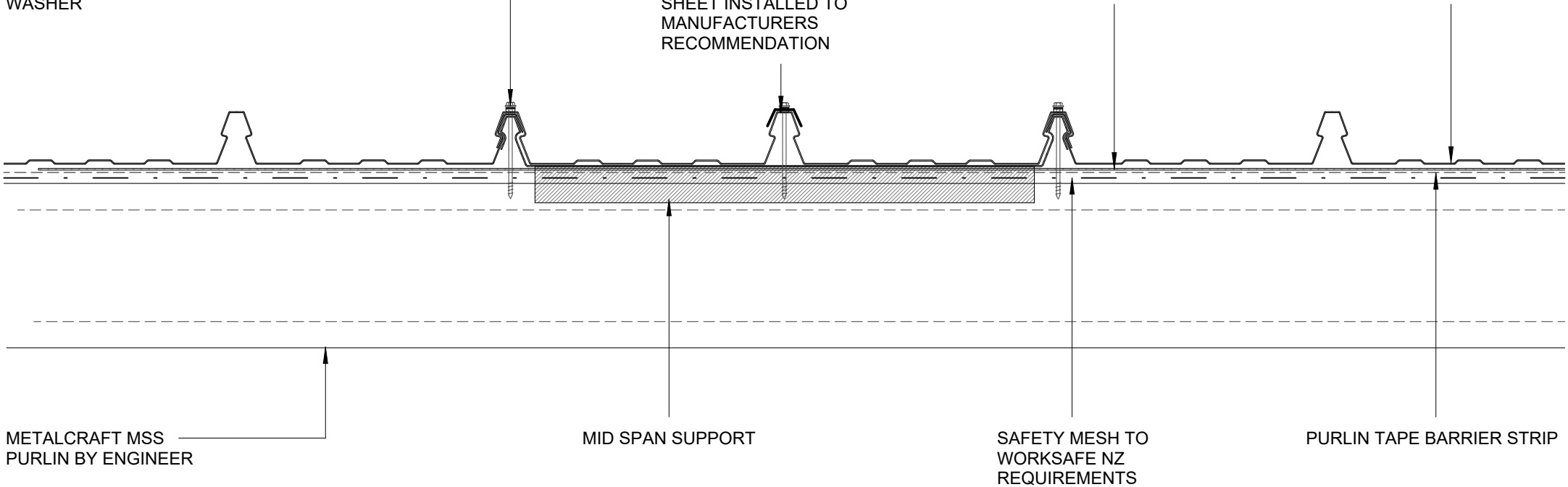
Sheet **14 / 16**

FIXING WITH PROFILED
WASHER AND EPDM
WASHER

ALSYNITE ONE NZ LTD
METDEK 500 TRANSLUCENT
SHEET INSTALLED TO
MANUFACTURERS
RECOMMENDATION

PURLIN PROTECTION

METALCRAFT METDEK 500
ROOFING



FIXING AND MID SPAN SUPPORT AS
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TRANSLUCENT SHEETS - CROSS

Metdek 500

Rev. 3.0

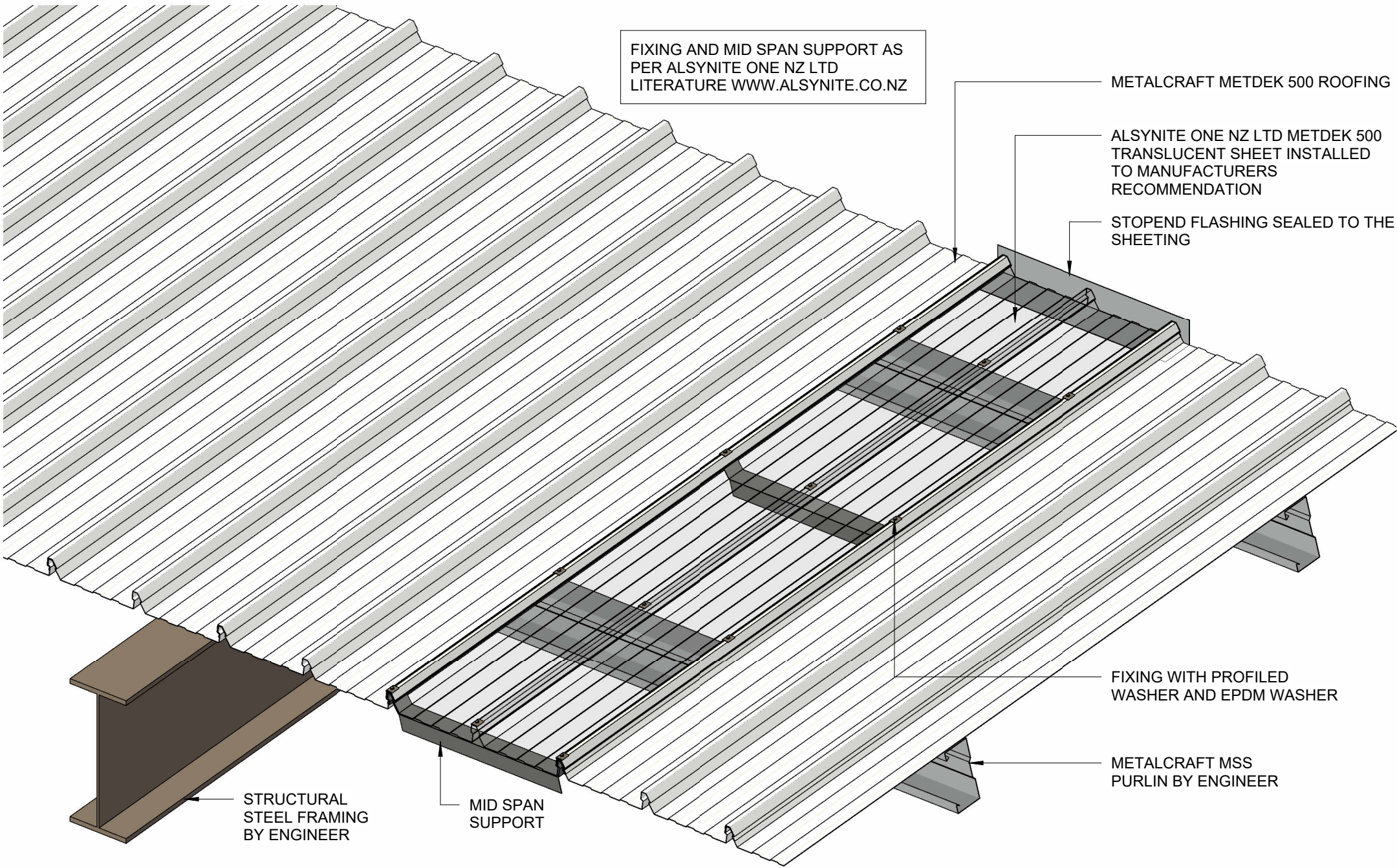
COMMERCIAL ROOFING

Reference CRMD500

Date SEP 2024

Scale 1 : 5

Sheet **15 / 16**



FIXING AND MID SPAN SUPPORT AS PER ALSYNITE ONE NZ LTD LITERATURE WWW.ALSYNITE.CO.NZ

METALCRAFT METDEK 500 ROOFING

ALSYNITE ONE NZ LTD METDEK 500 TRANSLUCENT SHEET INSTALLED TO MANUFACTURERS RECOMMENDATION

STOPEND FLASHING SEALED TO THE SHEETING

FIXING WITH PROFILED WASHER AND EPDM WASHER

METALCRAFT MSS PURLIN BY ENGINEER

STRUCTURAL STEEL FRAMING BY ENGINEER

MID SPAN SUPPORT

3D TRANSLUCENT SHEETS
COMMERCIAL ROOFING