

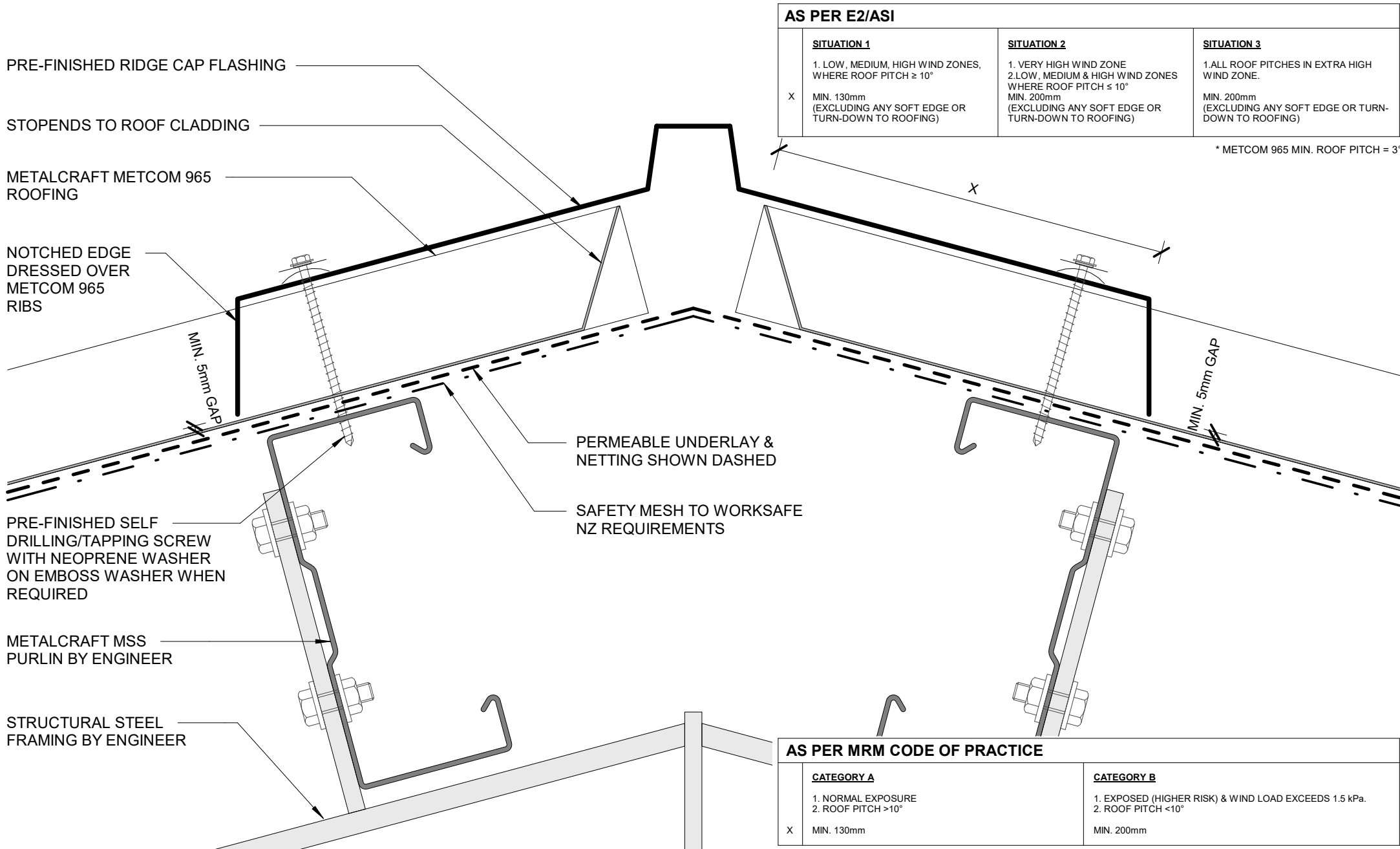
Metcom 965

COMMERCIAL ROOFING

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

CRMET965

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Rev. 1.0

Reference CRMET965

Date JAN 2023

RIDGE WITH PROFILED APEX
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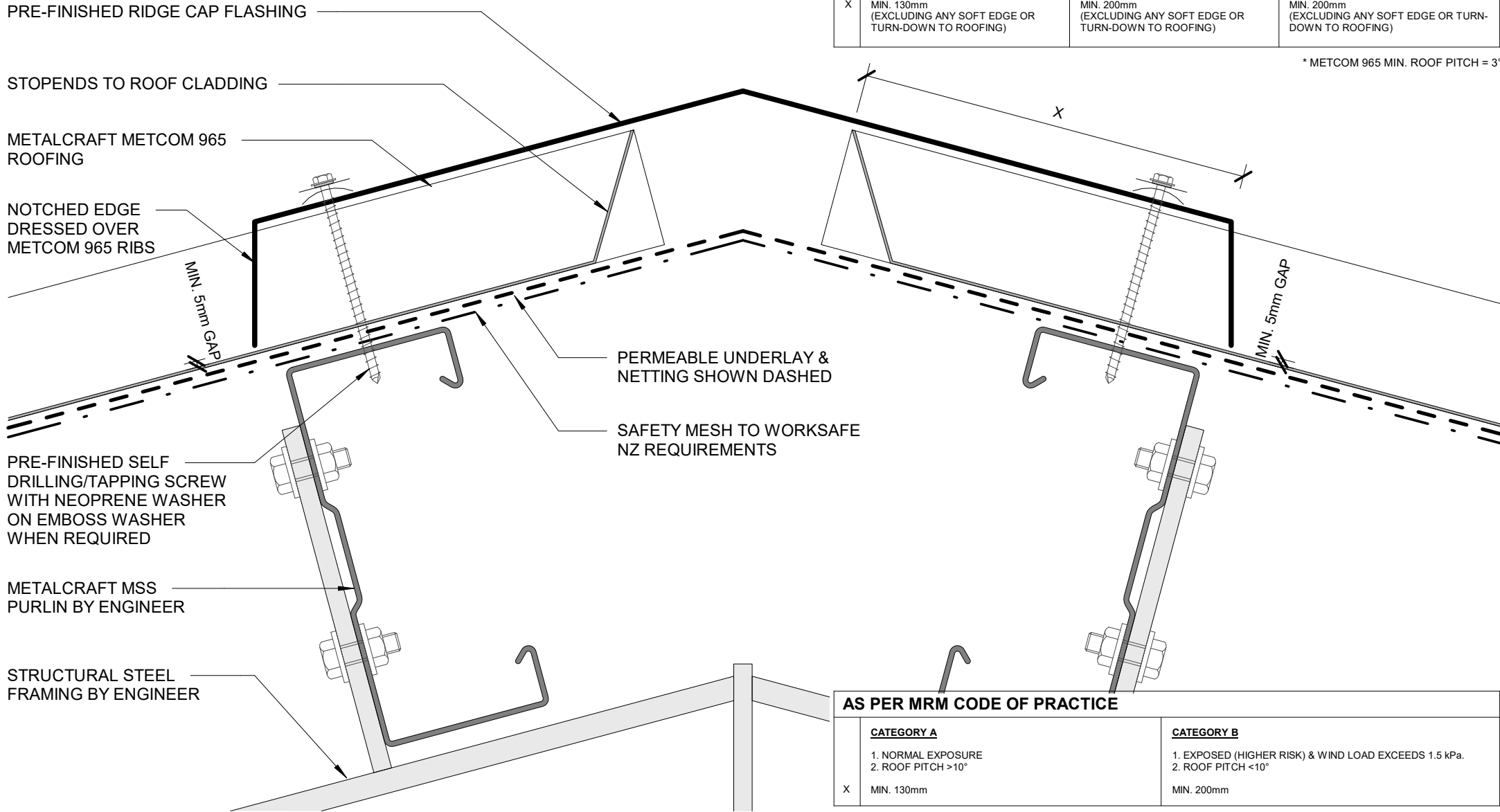
Scale 1 : 2

Sheet **D 01 / 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 & 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 965 MIN. ROOF PITCH = 3°



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

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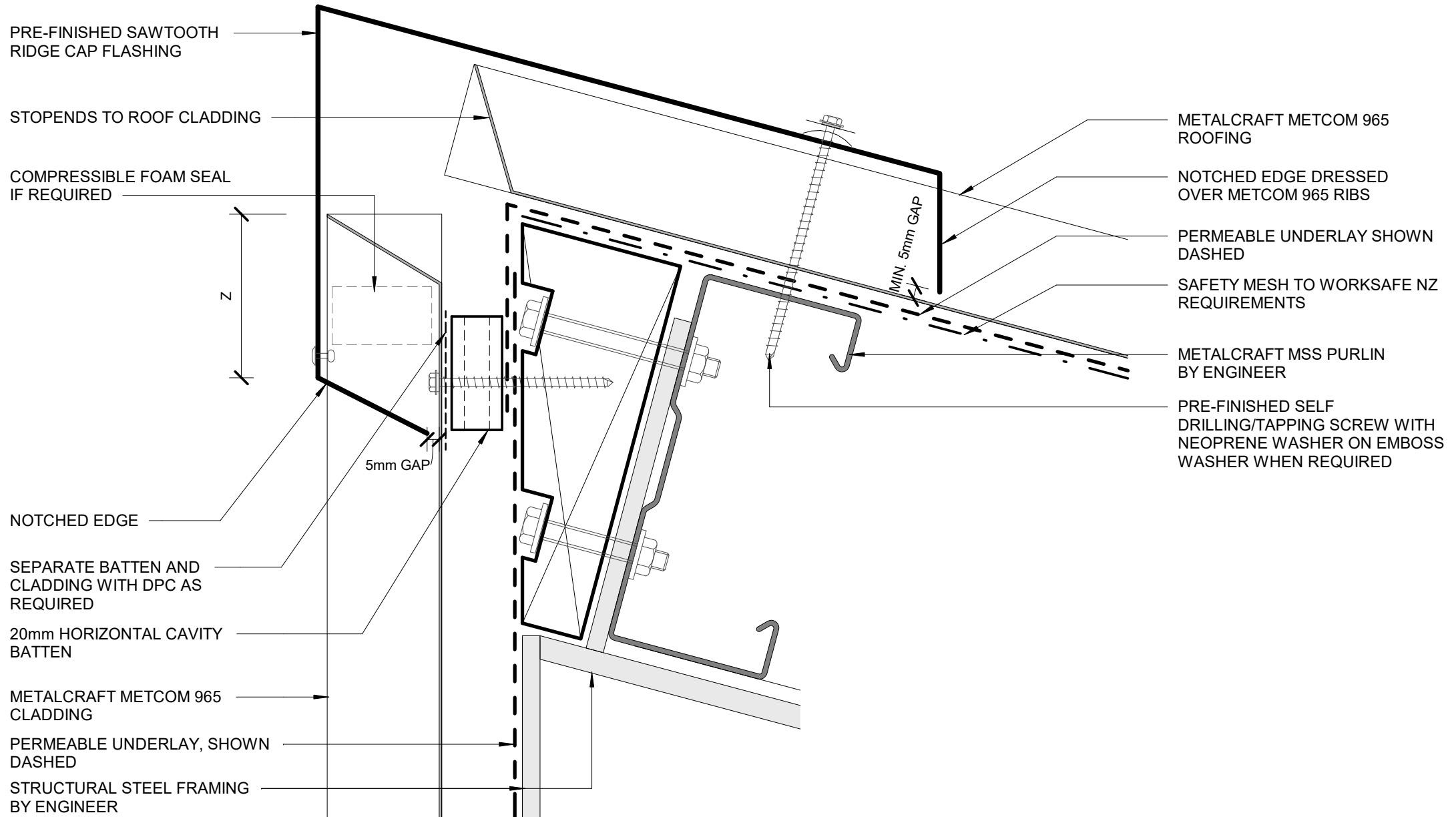
RIDGE WITH NON PROFILED APEX
COMMERCIAL ROOFING

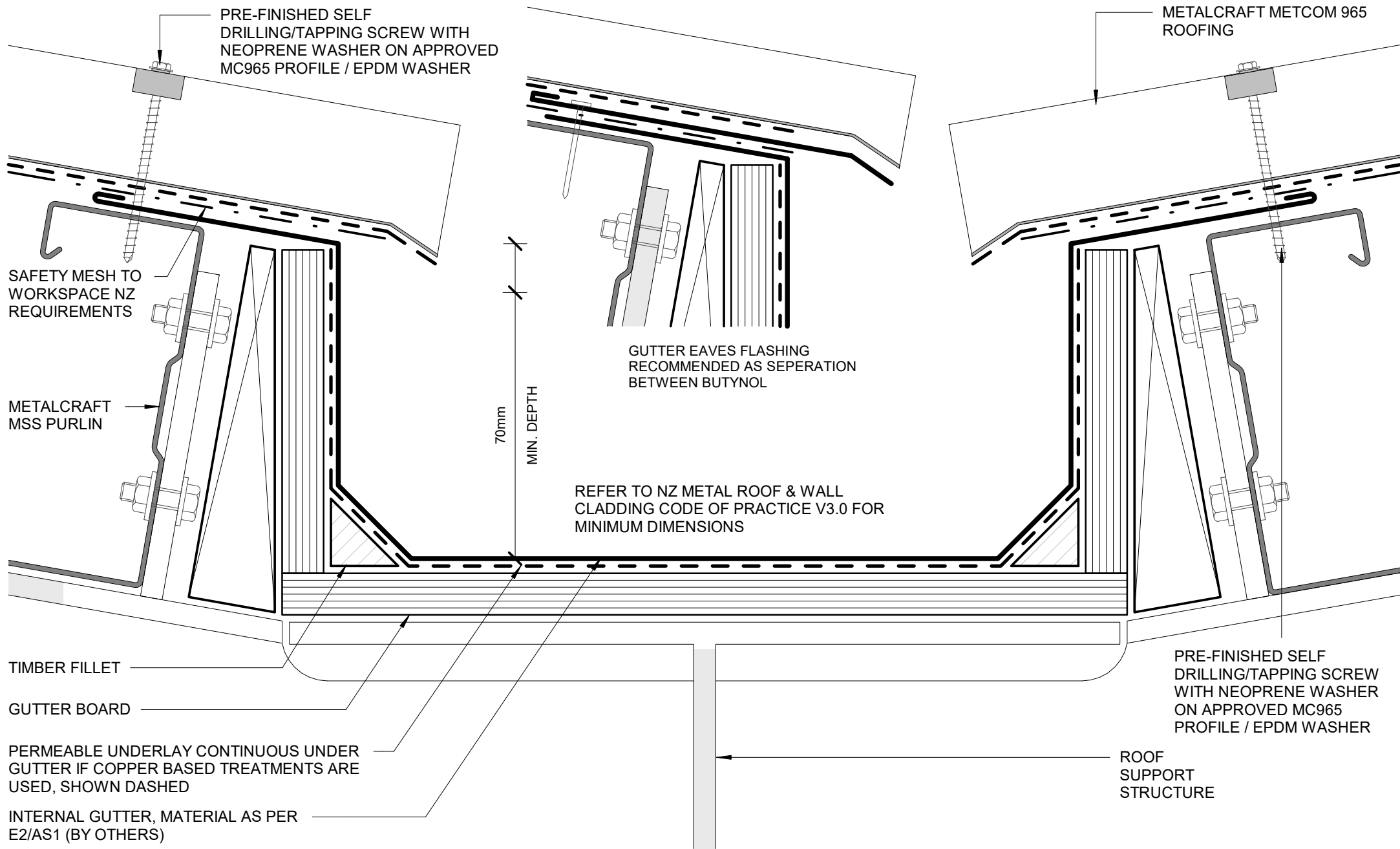
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Date JAN 2023

Scale 1 : 2

Sheet **D 02 / 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
 $10-35^\circ$ = 50mm
 $>35^\circ$ = 40mm

DIMENSION TO SUIT
 SUGGEST MIN. 125mm

* METCOM 965 MIN. ROOF PITCH = 3°

FOAM CLOSURE USED AS REQUIRED

METALCRAFT METCOM 965 ROOFING

PERMEABLE UNDERLAY & NETTING SHOWN DASHED

PRE-FINISHED EAVE FLASHING

MIN. 35mm
 OVERLAP

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH NEOPRENE WASHER

SEPARATE BATTEN AND CLADDING WITH DPC AS REQUIRED

METALCRAFT BOX GUTTER 125 WITH EXTERNAL BRACKET

METALCRAFT METCOM 965 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 APPROVED MC965 PROFILE / EPDM WASHER

STRUCTURAL STEEL FRAMING BY ENGINEER

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

* METCOM 965 MIN. ROOF PITCH = 3°

FOAM CLOSURE USED AS REQUIRED

METALCRAFT METCOM 965 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 965 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 APPROVED MC965 PROFILE / EPDM WASHER

STRUCTURAL STEEL FRAMING BY ENGINEER

MIN. 35mm
 OVERLAP

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FLUSH EAVE WITH EXTERNAL GUTTER BRACKET

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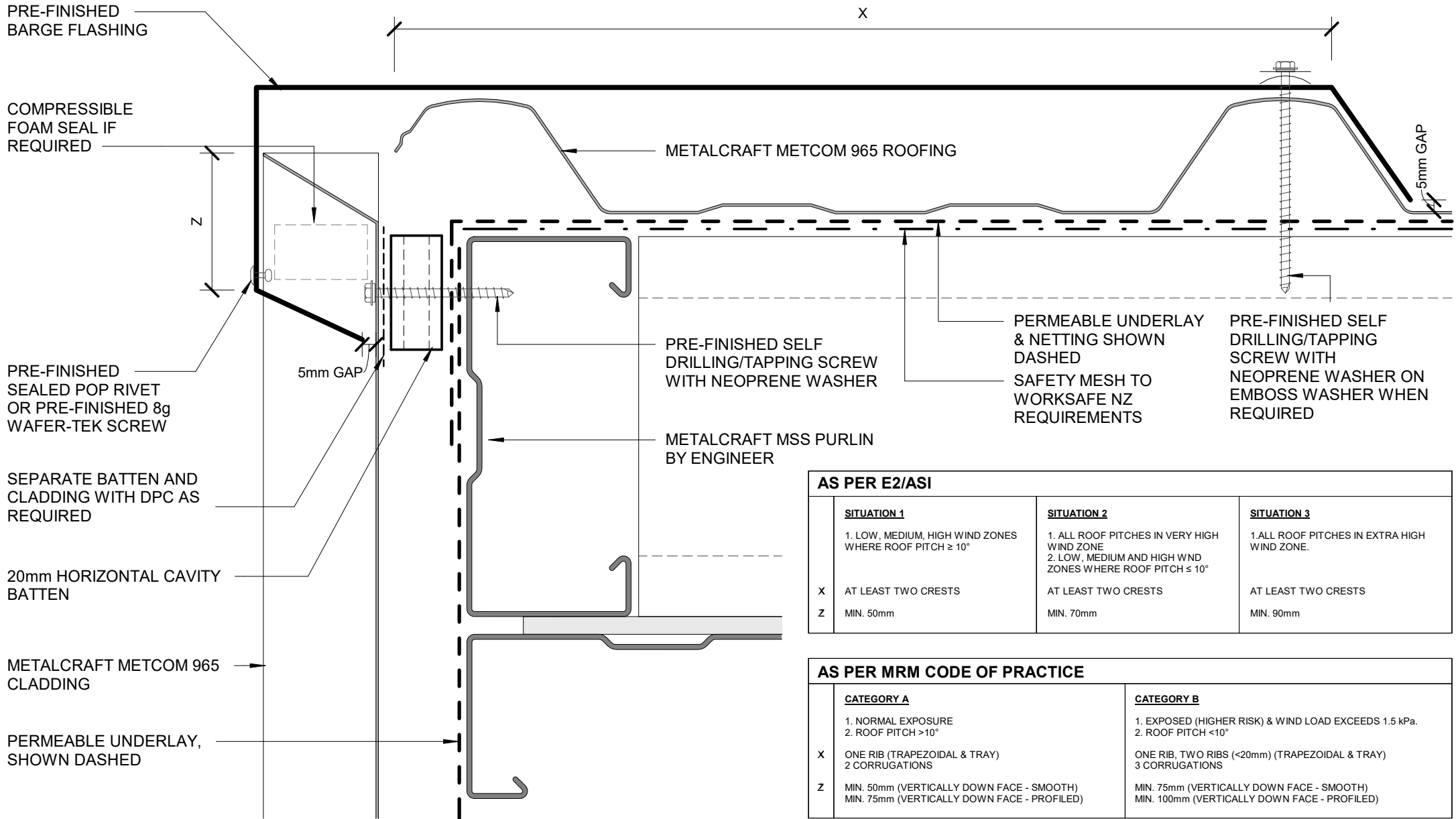
COMMERCIAL ROOFING

Reference CRMET965

Date JAN 2023

Scale 1 : 2

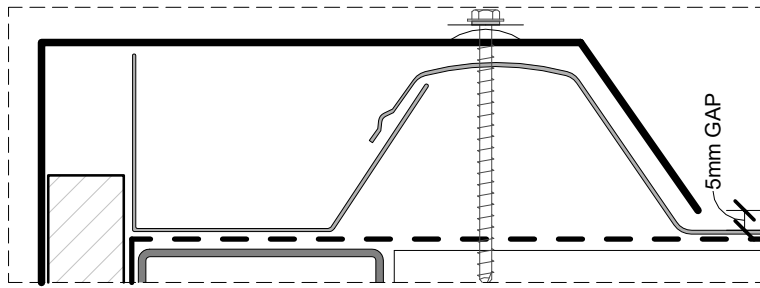
Sheet **D 06 / 17**



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 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

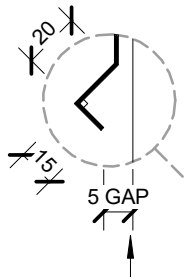
AS PER MRM CODE OF PRACTICE		
	CATEGORY A	CATEGORY B
	1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
X	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS	ONE RIB, TWO RIBS ($<20\text{mm}$) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS
Z	MIN.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

ALTERNATIVE SOLUTION



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

PRE-FINISHED BARGE FLASHING



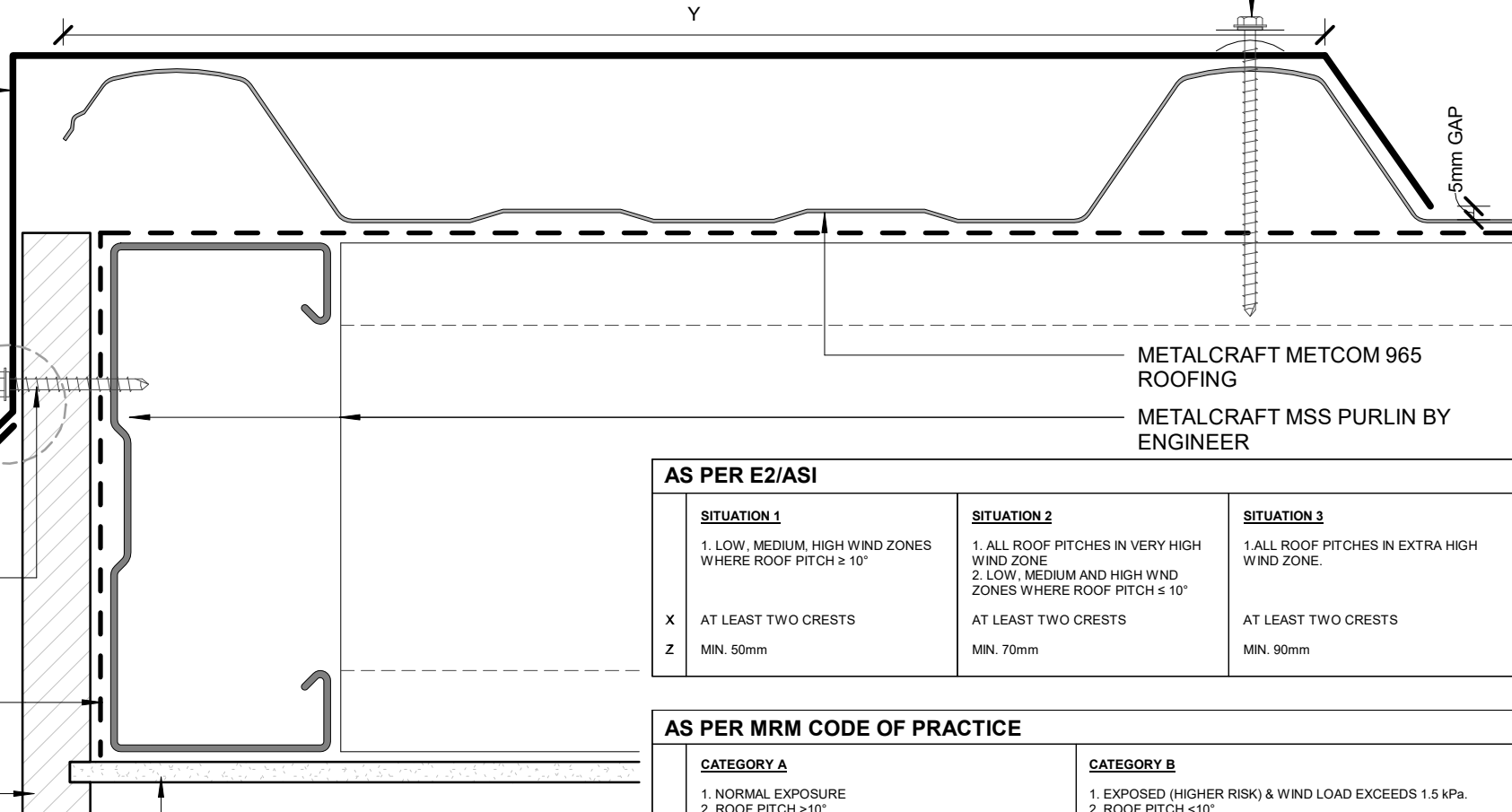
ALTERNATIVE OPTION BIRDS BEAK EDGE NOTCHED EDGE

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH NEOPRENE WASHER

PERMEABLE UNDERLAY & NETTING SHOWN DASHED

BARGE BOARD

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

COMPRESSIBLE FOAM SEAL IF 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

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)

* 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

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Rev. 1.0

COMMERCIAL ROOFING

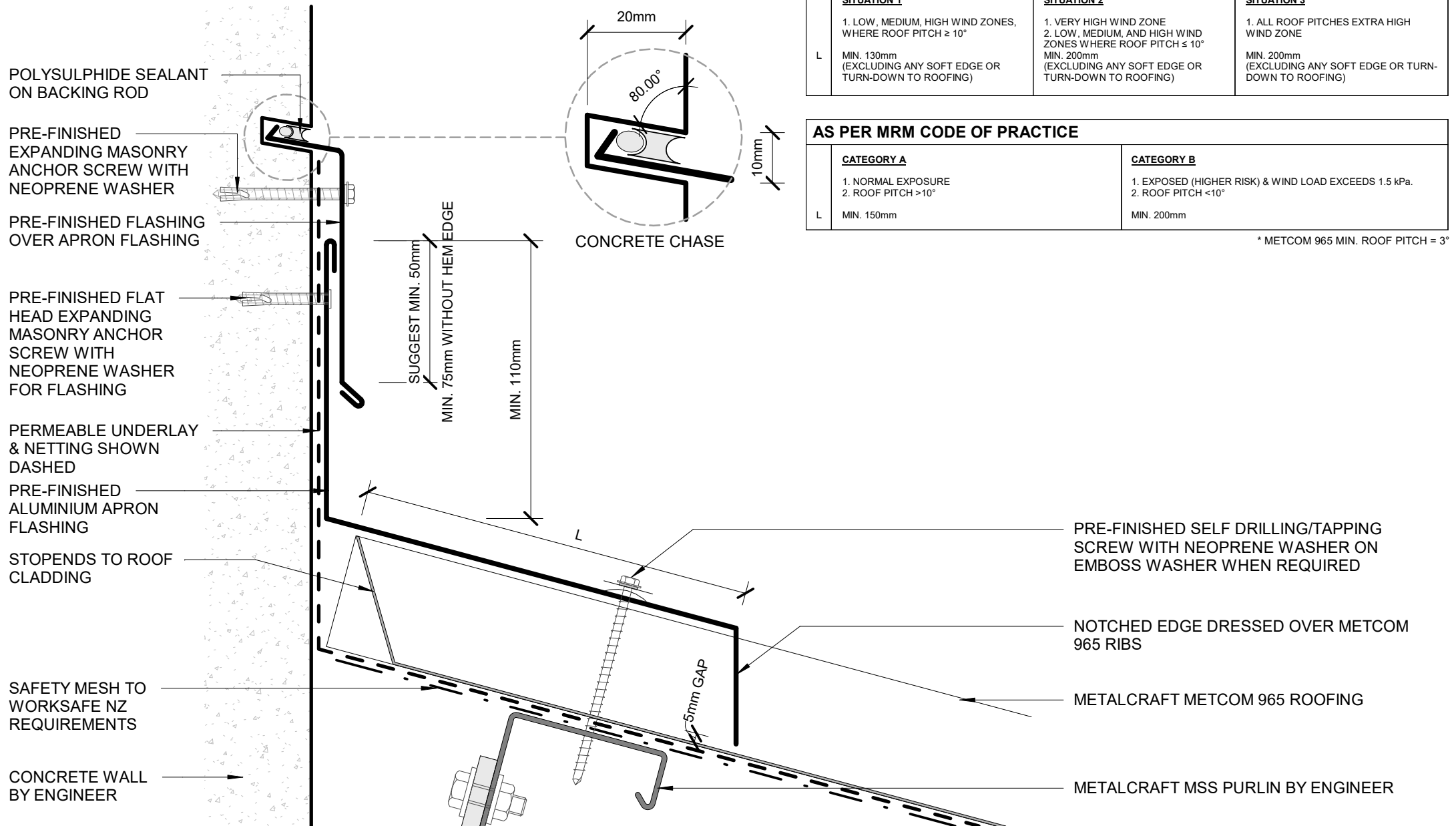
Reference CRMET965

Date JAN 2023

Scale 1 : 2

Sheet **D 09 / 17**

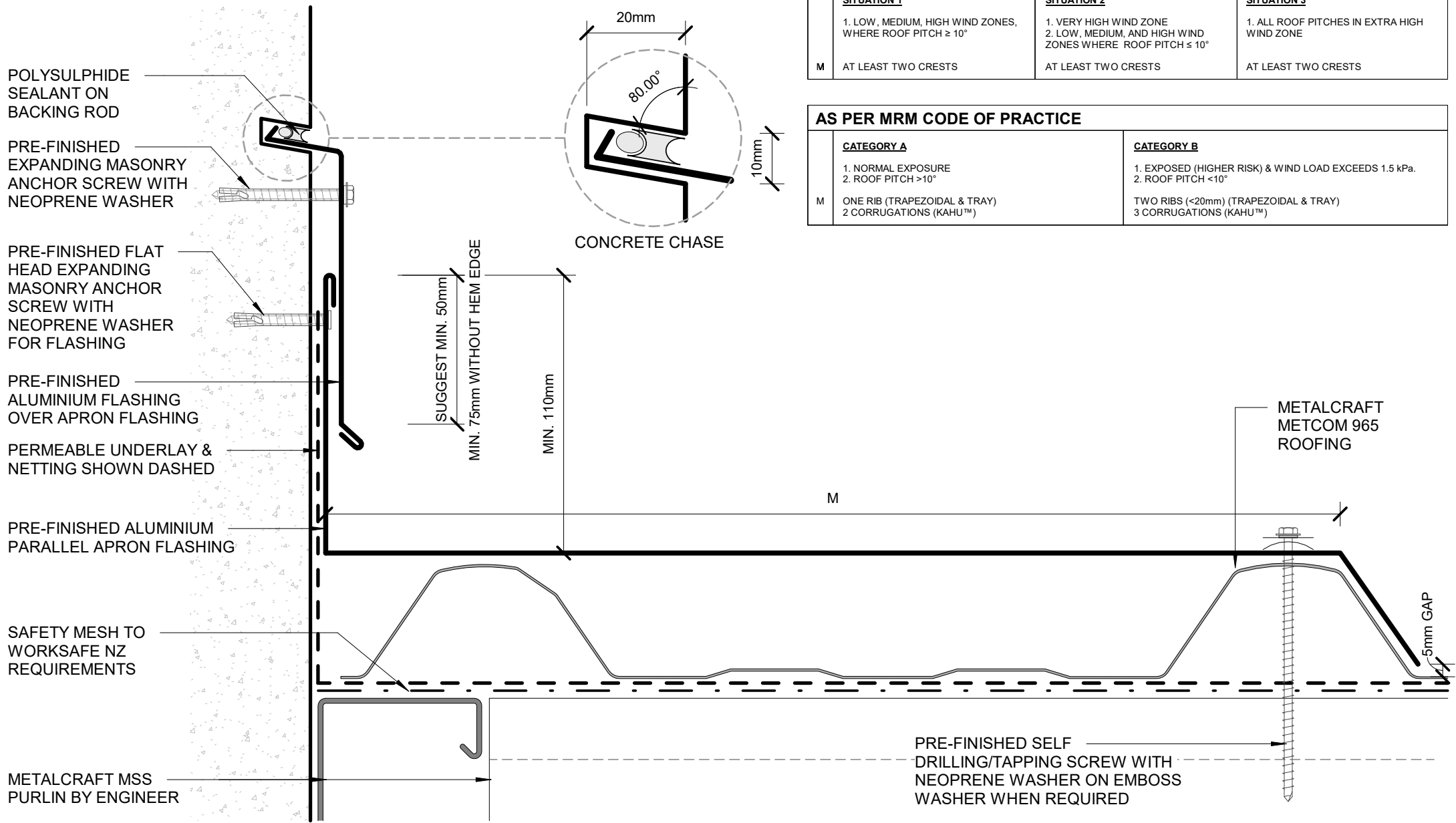
PARAPET WITH TRANSVERSE APRON



AS PER E2/ASI			
	SITUATION 1	SITUATION 2	SITUATION 3
L	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, AND HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$ 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)

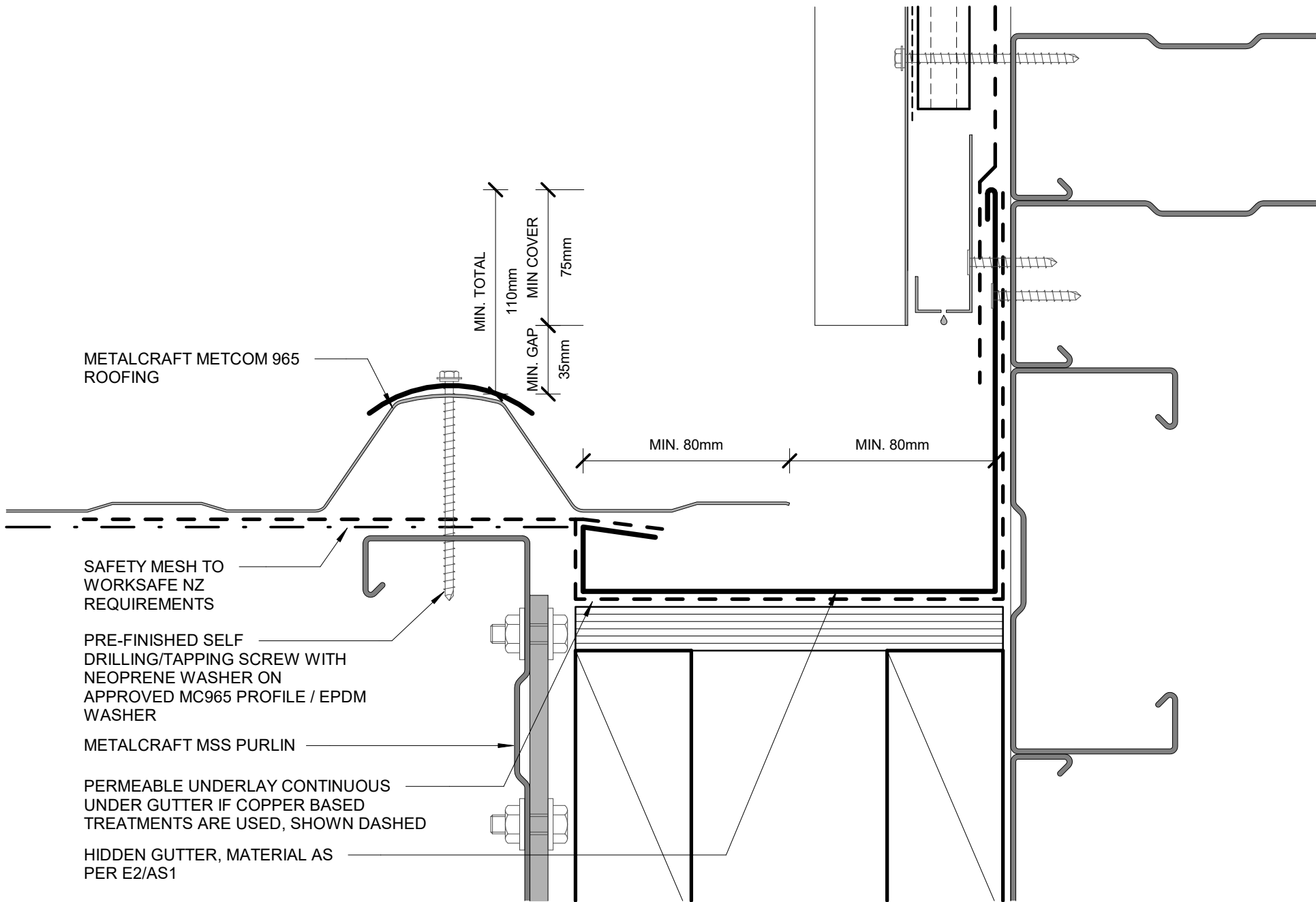
AS PER MRM CODE OF PRACTICE		
	CATEGORY A	CATEGORY B
L	1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$ MIN. 150mm	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$ MIN. 200mm

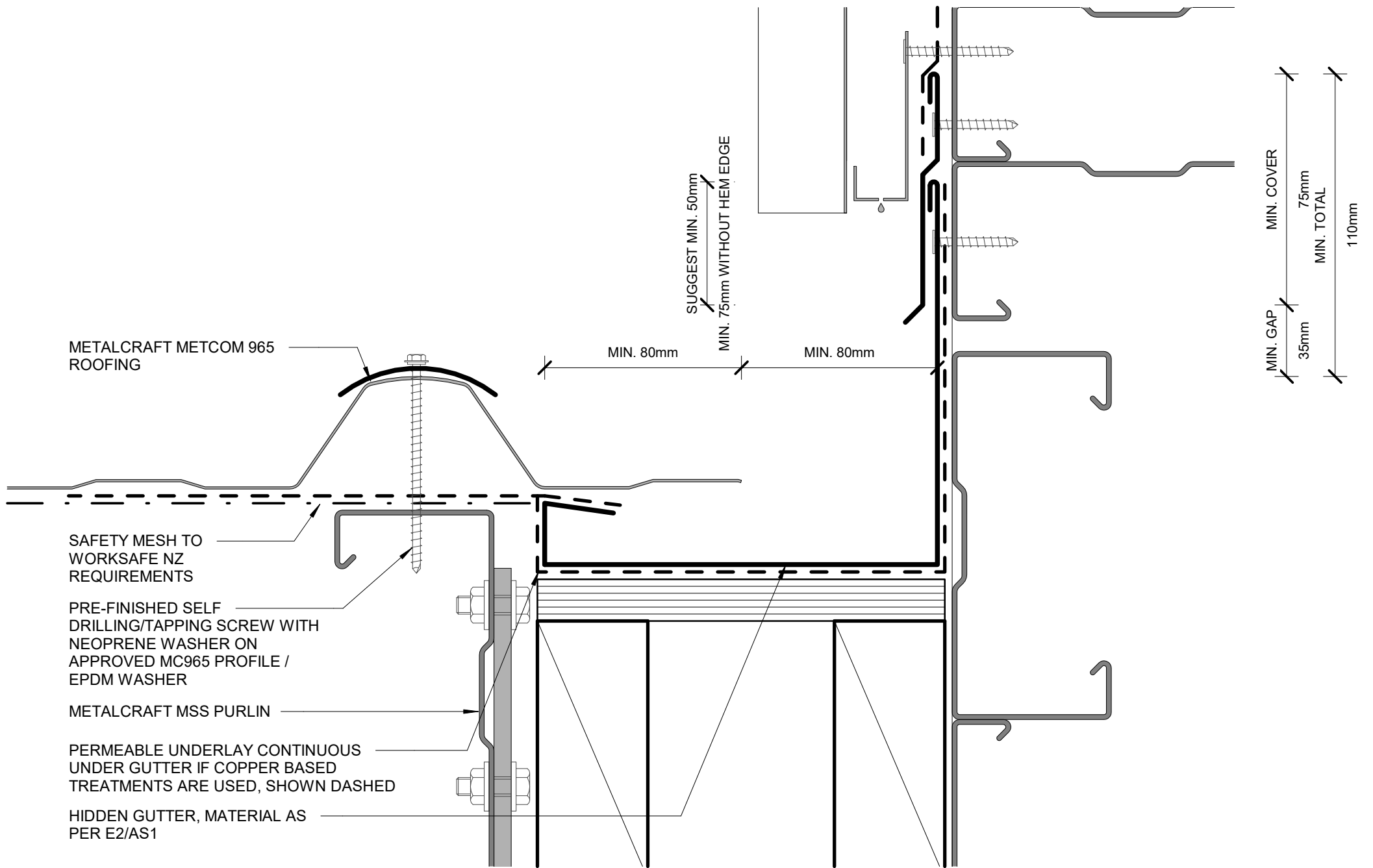
* METCOM 965 MIN. ROOF PITCH = 3°



AS PER E2/ASI			
	SITUATION 1 1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	SITUATION 2 1. VERY HIGH WIND ZONE 2. LOW, MEDIUM, AND HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	SITUATION 3 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 1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	CATEGORY B 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 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. 80mm

MIN. 80mm

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

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

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PARALLEL HIDDEN GUTTER (2 PART FLASHING)

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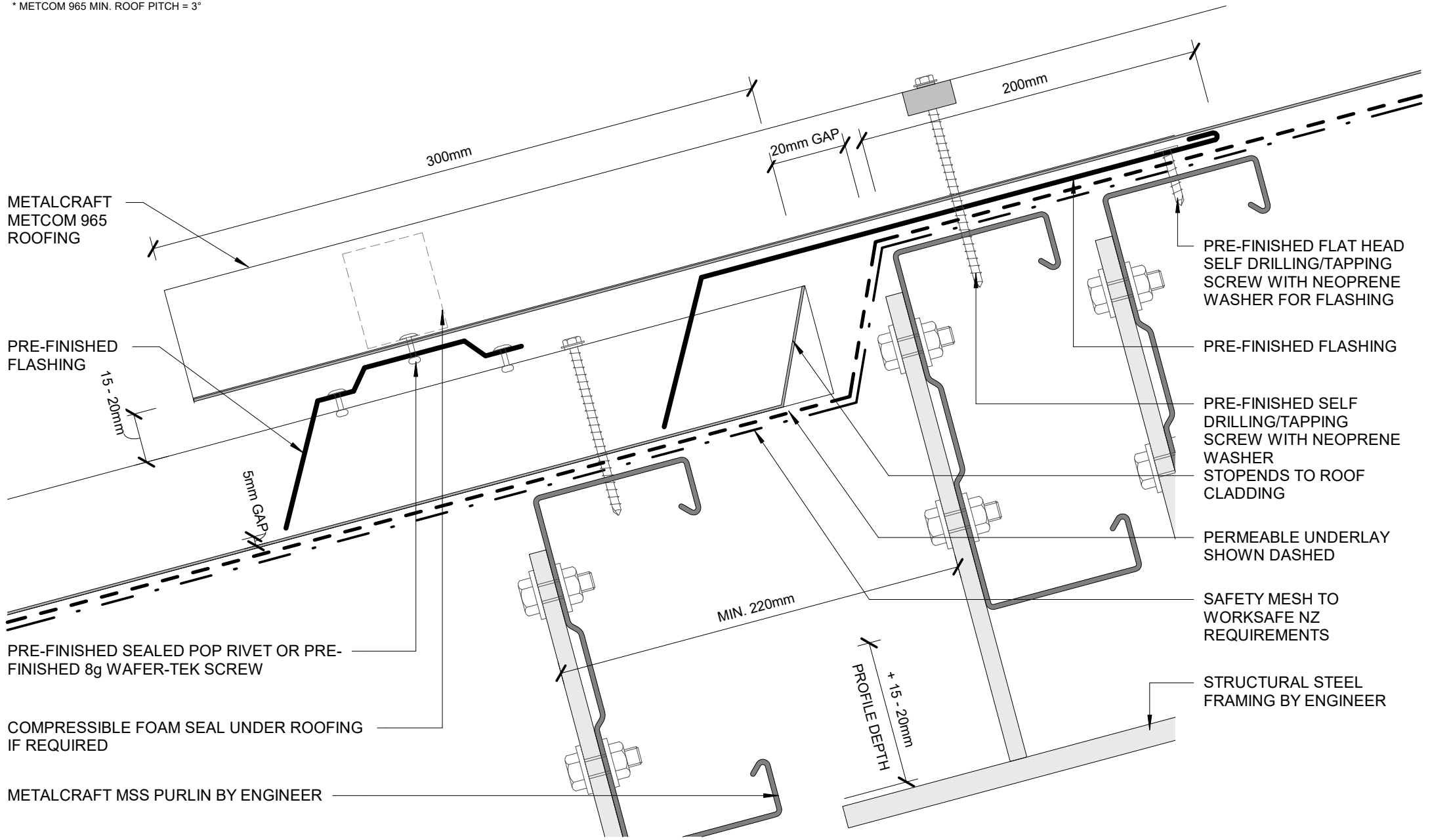
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Date JAN 2023

Scale 1 : 2

Sheet **D 13 / 17**

* METCOM 965 MIN. ROOF PITCH = 3°



METALCRAFT
METCOM 965
ROOFING

PRE-FINISHED
FLASHING

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

COMPRESSIBLE FOAM SEAL UNDER ROOFING IF REQUIRED

METALCRAFT MSS PURLIN BY ENGINEER

200mm

300mm

20mm GAP

15-20mm

5mm GAP

MIN. 220mm

PROFILE DEPTH
+15-20mm

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 SHOWN DASHED

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

STRUCTURAL STEEL FRAMING BY ENGINEER

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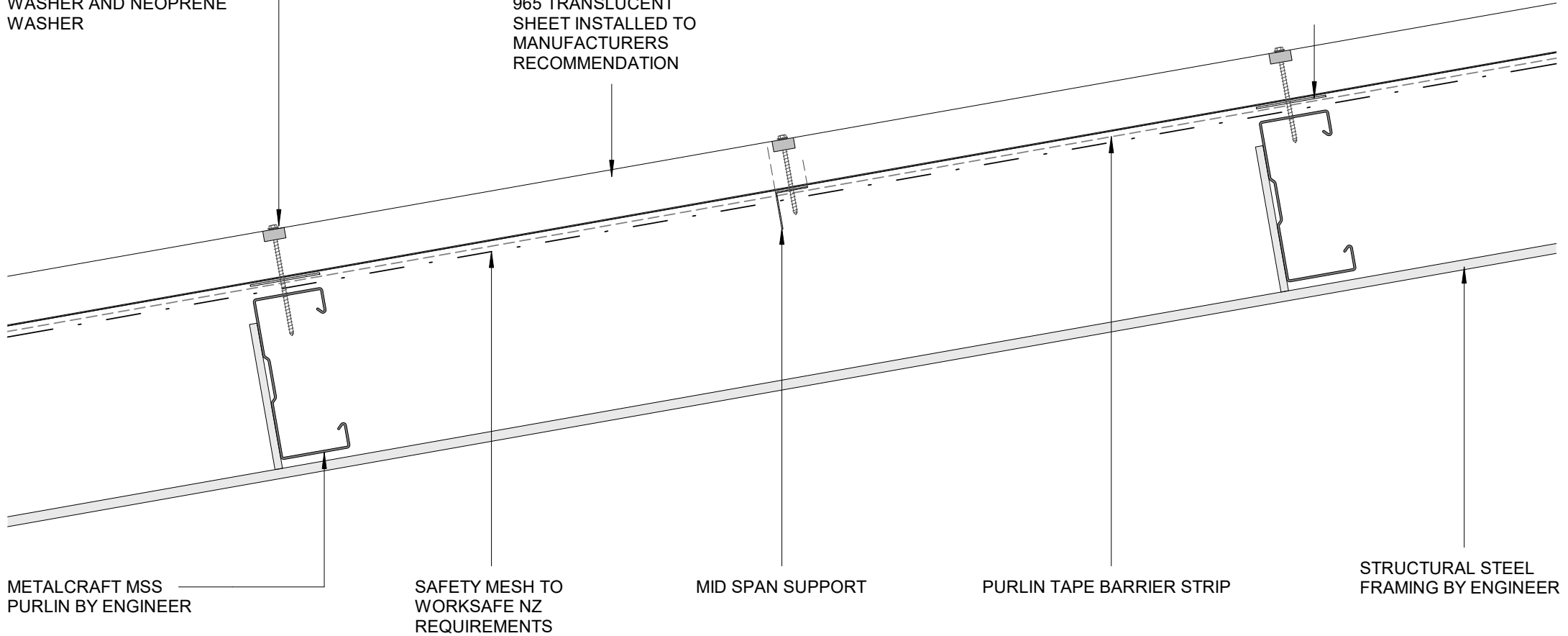
ROOF STEP
COMMERCIAL ROOFING

Sheet **D 14 / 17**

FIXING WITH PROFILED
WASHER AND NEOPRENE
WASHER

METALCRAFT 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 WITH PROFILED
WASHER AND NEOPRENE
WASHER

METALCRAFT METCOM 965
TRANSLUCENT SHEET
INSTALLED TO
MANUFACTURERS
RECOMMENDATION

PURLIN PROTECTION

METALCRAFT METCOM 965
ROOFING

