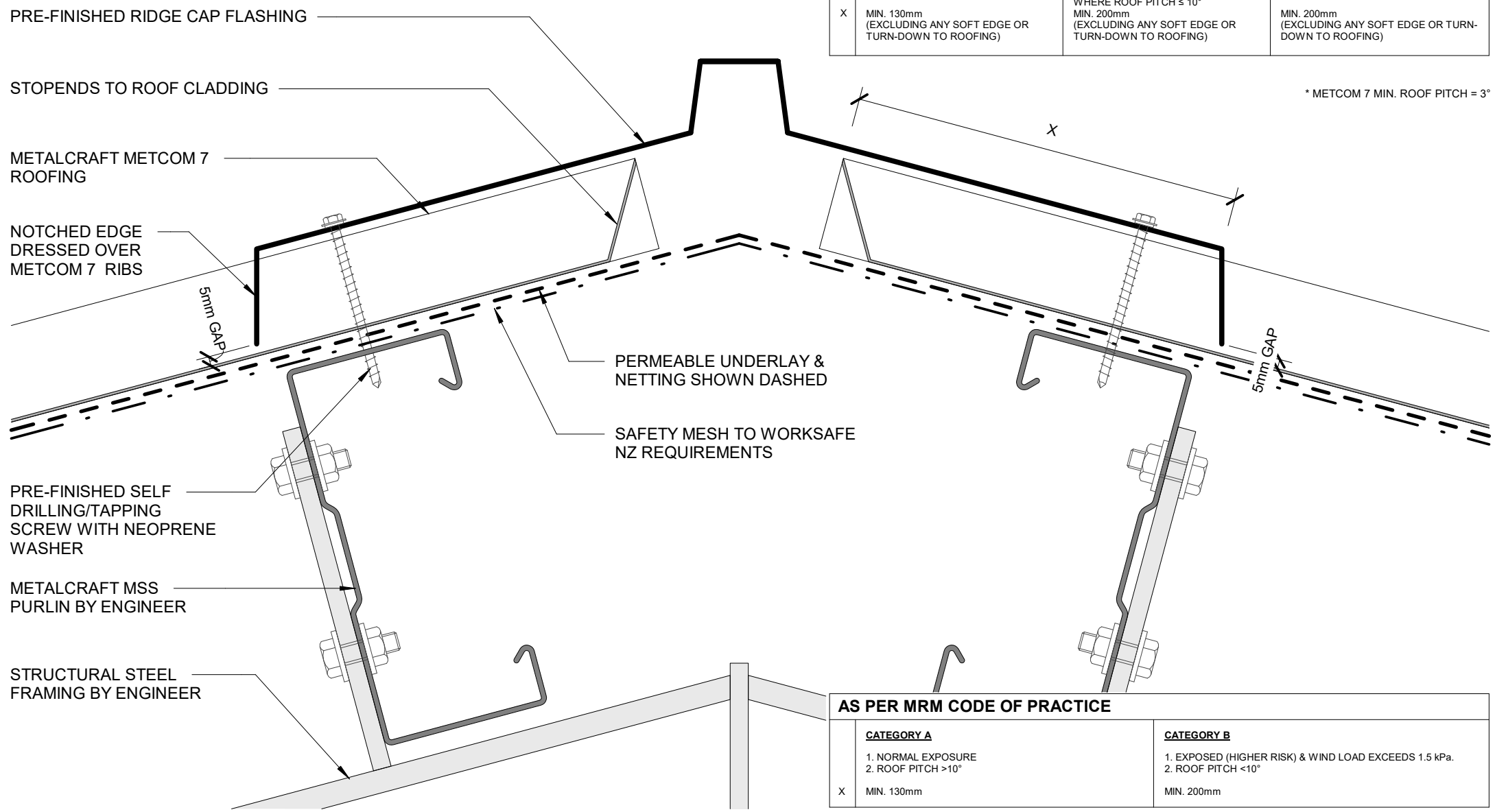


Metcom 7

COMMERCIAL ROOFING

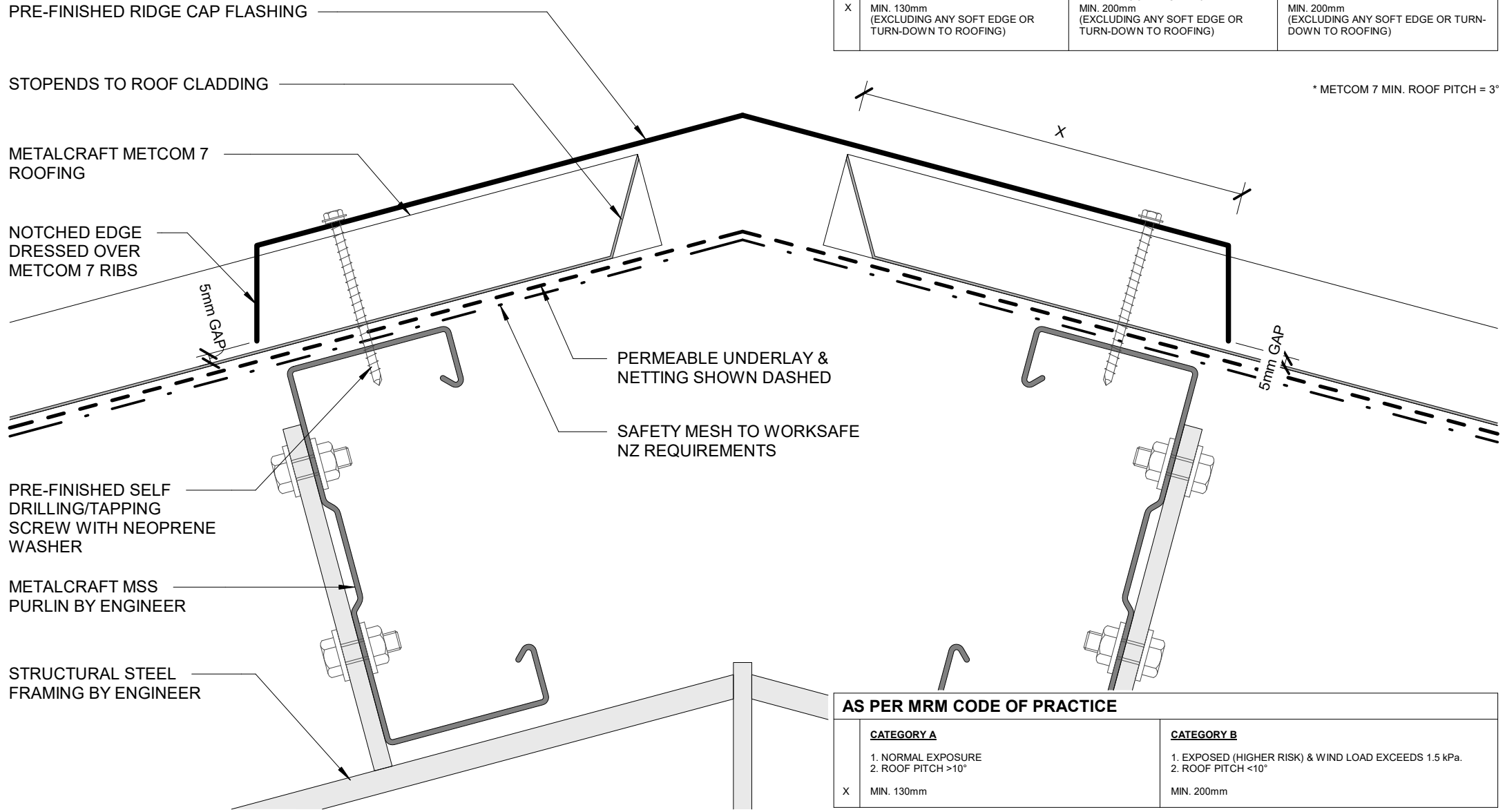
<u>DETAIL LIST</u>	<u>Revision</u>	<u>Date</u>
D 00 / 17		
D 01 / 17		
D 02 / 17		
D 03 / 17		
D 04 / 18		
D 05 / 17		
D 06 / 17		
D 07 / 17		
D 08 / 17		
D 09 / 17		
D 10 / 17		
D 11 / 17		
D 12 / 17		
D 13 / 17		
D 14 / 17		
D 15 / 17		
D 16 / 17		
D 17 / 17		

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)



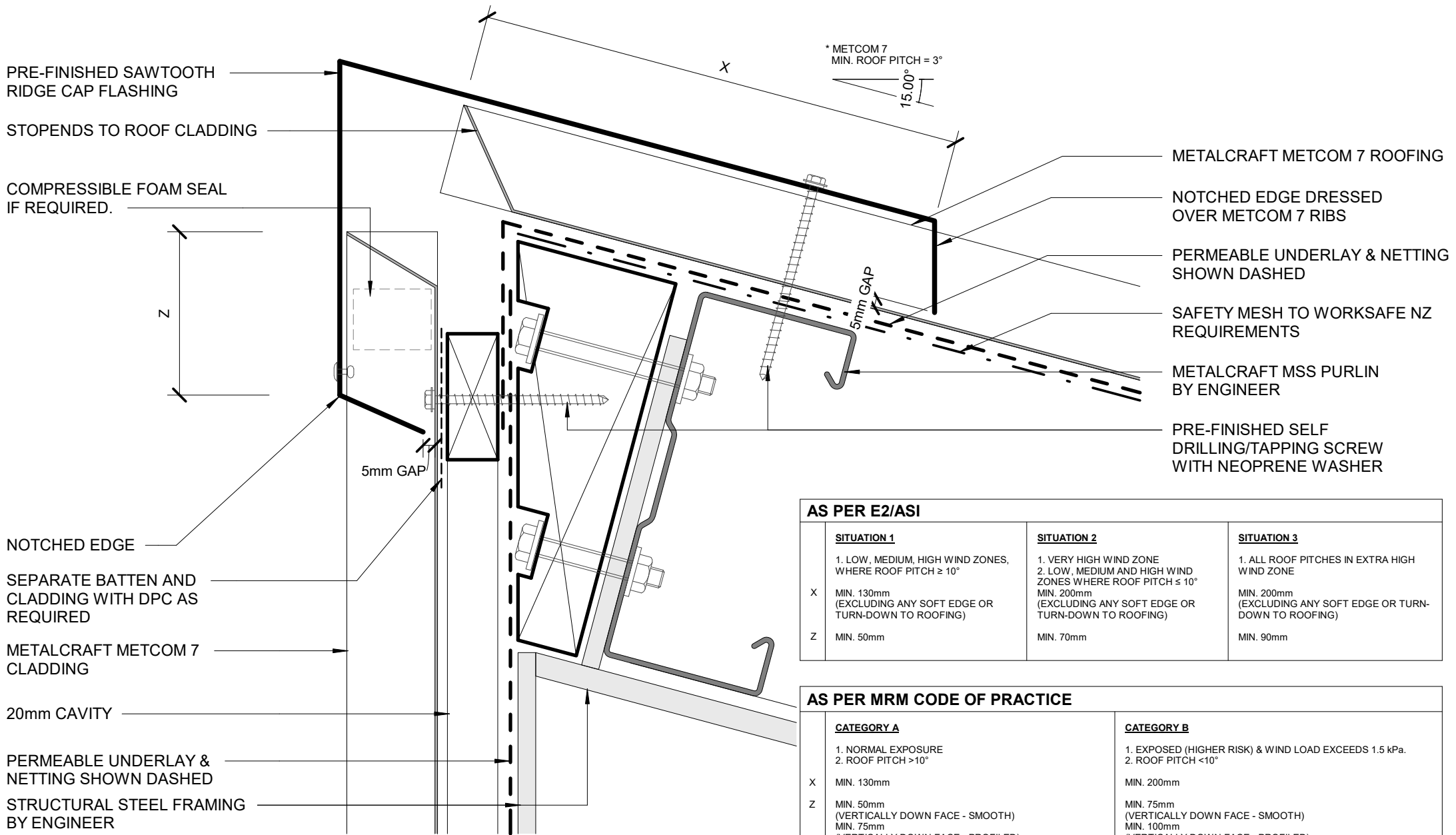
AS PER MRM CODE OF PRACTICE	
CATEGORY A 1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$ X MIN. 130mm	CATEGORY B 1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$ MIN. 200mm

AS PER E2/ASI			
	SITUATION 1 1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$ 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)



* METCOM 7 MIN. ROOF PITCH = 3°

AS PER MRM CODE OF PRACTICE	
CATEGORY A 1. NORMAL EXPOSURE 2. ROOF PITCH $> 10^\circ$ MIN. 130mm	CATEGORY B 1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $< 10^\circ$ MIN. 200mm



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 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
	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
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)

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Rev. 1.0

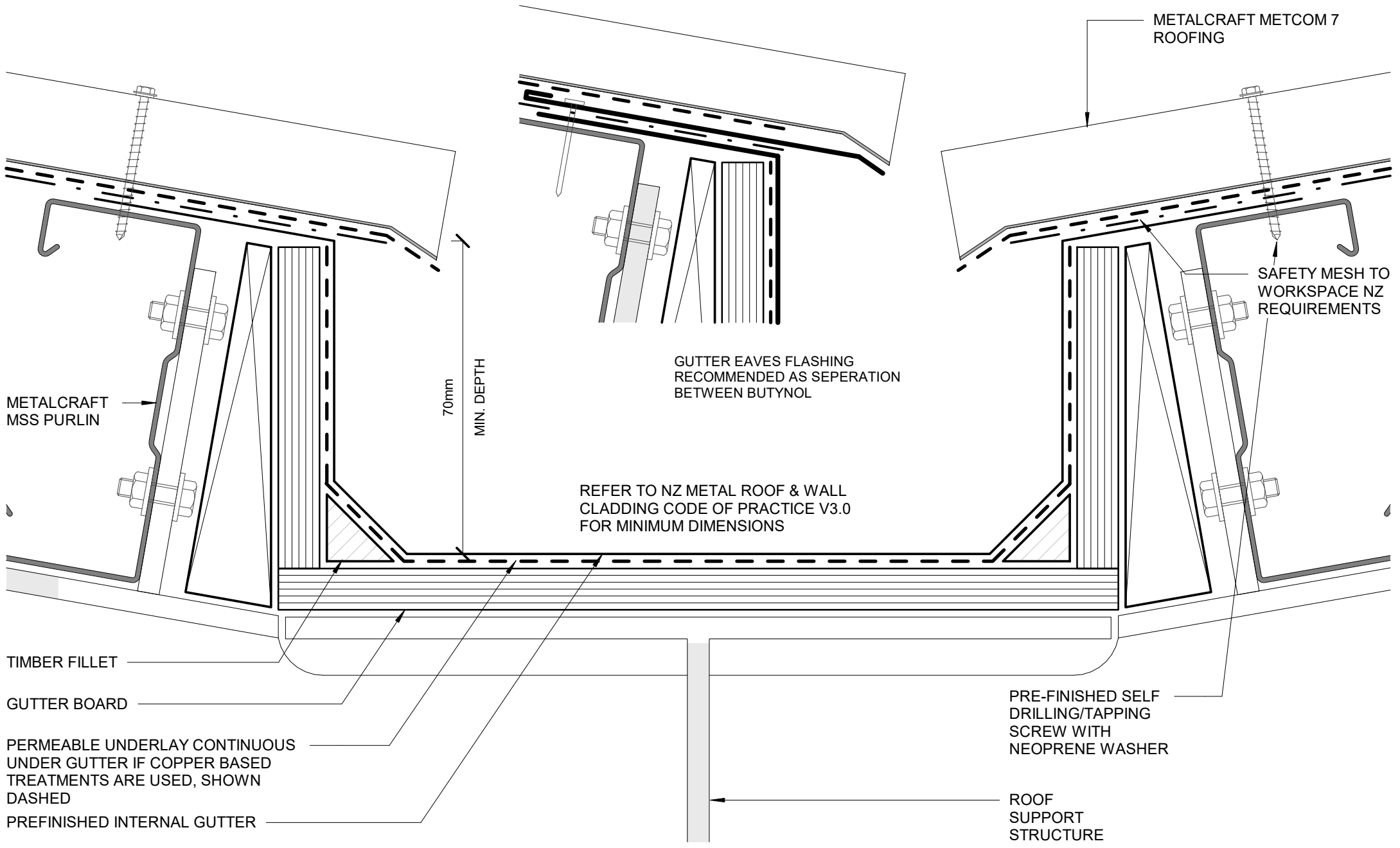
Reference CRMC7

Date JAN 2023

**SAWTOOTH RIDGE
COMMERCIAL ROOFING**

Scale 1 : 2

Sheet **D 03 / 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
 $10-35^\circ = 50\text{mm}$
 $>35^\circ = 40\text{mm}$

* METCOM 7
 MIN. ROOF PITCH = 3°
 15.00°

FOAM CLOSURE USED AS REQUIRED

METALCRAFT METCOM 7 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 7 CLADDING ON CAVITY

METALCRAFT MSS PURLIN BY ENGINEER

DIMENSION TO SUIT
 SUGGEST MIN. 125mm

PACKER

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH NEOPRENE WASHER

STRUCTURAL STEEL FRAMING BY ENGINEER

MIN. 35mm
 OVERLAP

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FLUSH EAVE WITH EXTERNAL GUTTER BRACKET

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Rev. 1.0

COMMERCIAL ROOFING

Reference CRMC7

Date JAN 2023

Scale 1 : 2

Sheet **D 05 / 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

FOAM CLOSURE USED AS REQUIRED

METALCRAFT MC7 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

METALCRAFT MC7 CLADDING ON CAVITY

METALCRAFT MSS PURLIN BY ENGINEER

DIMENSION TO SUIT
 SUGGEST MIN. 125mm

* METCOM 7
 MIN. ROOF PITCH = 3°
 15.00°

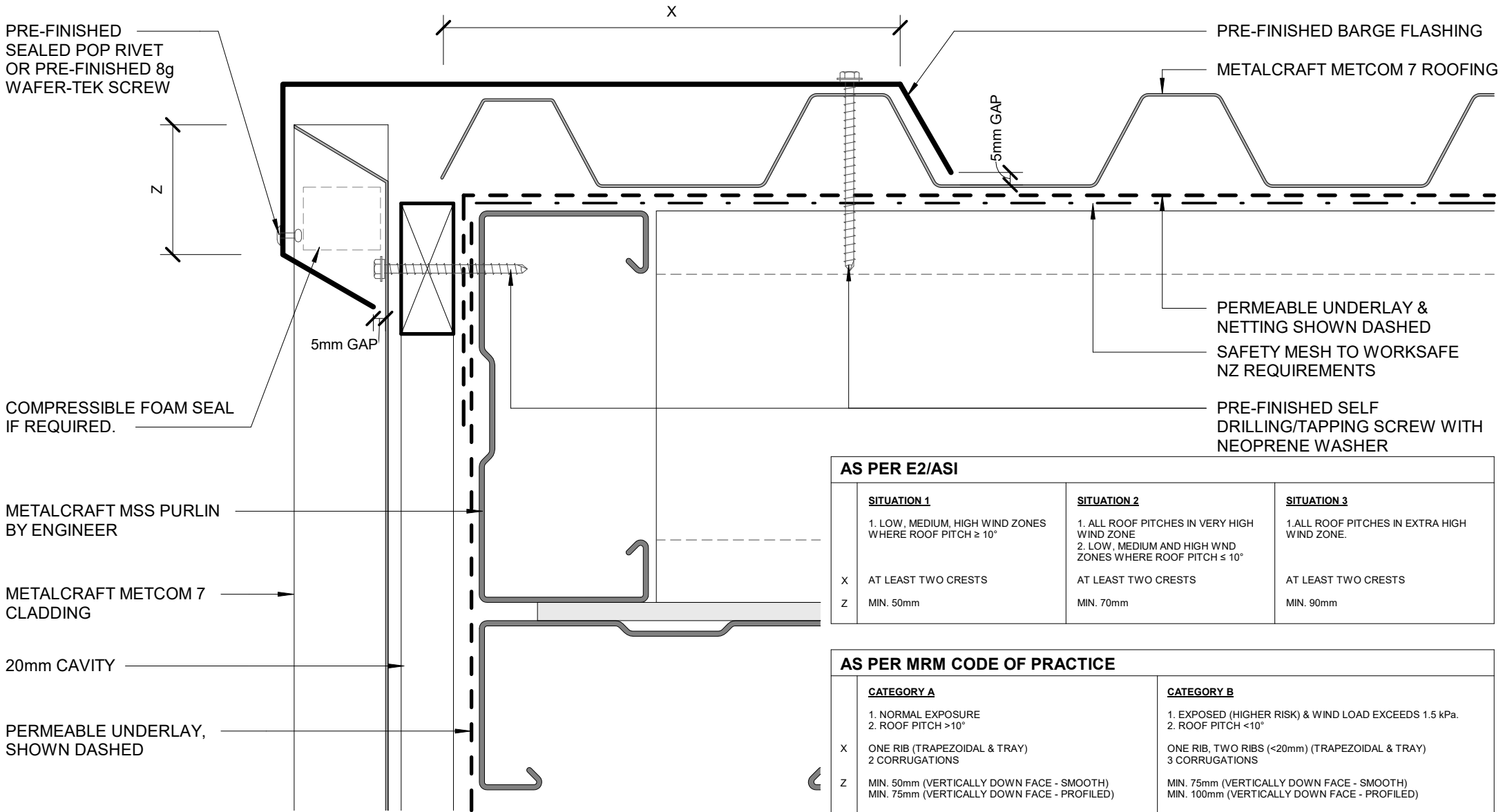
MIN. 35mm
 OVERLAP

PACKER

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

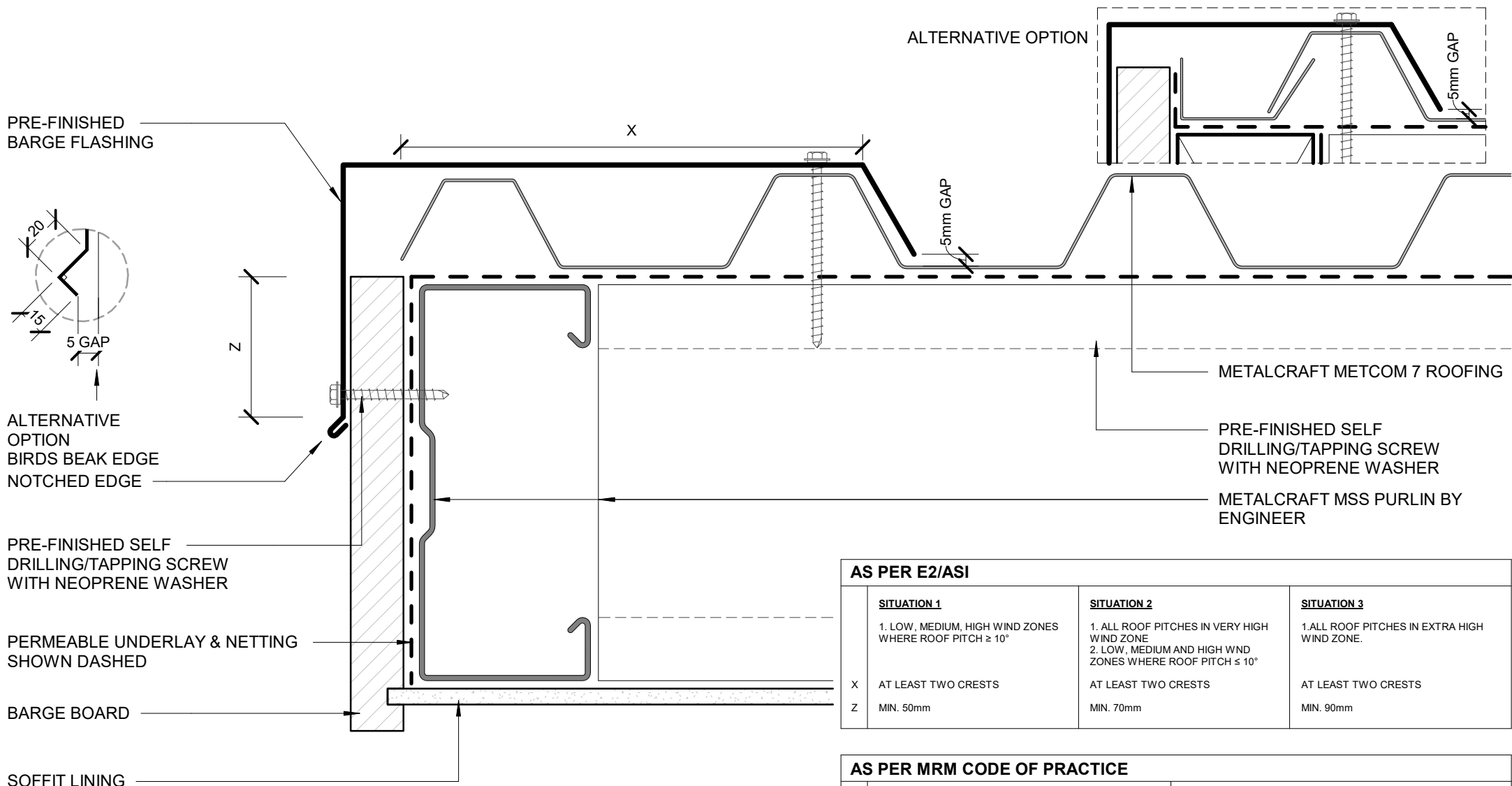
PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH NEOPRENE WASHER

STRUCTURAL STEEL FRAMING BY ENGINEER



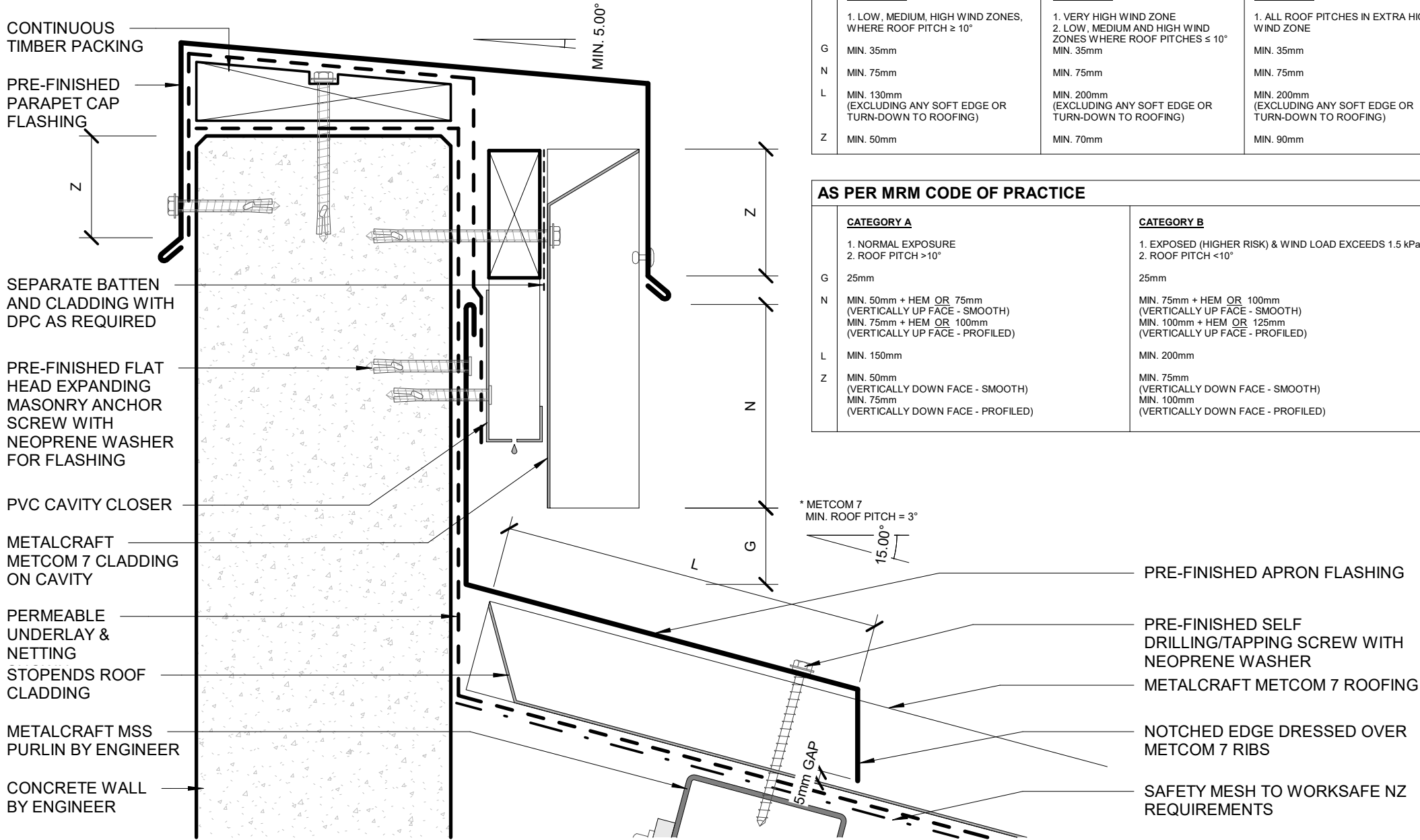
AS PER E2/ASI			
	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE.
X	AT LEAST TWO CRESTS	AT 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)



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)



CONTINUOUS
TIMBER PACKING

PRE-FINISHED
PARAPET CAP
FLASHING

Z

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 7 CLADDING
ON CAVITY

PERMEABLE
UNDERLAY &
NETTING

STOPENDS ROOF
CLADDING

METALCRAFT MSS
PURLIN BY ENGINEER

CONCRETE WALL
BY ENGINEER

MIN. 5.00°

Z

Z

G

L

* METCOM 7
MIN. ROOF PITCH = 3°

15.00°

5mm GAP

PRE-FINISHED APRON FLASHING

PRE-FINISHED SELF
DRILLING/TAPPING SCREW WITH
NEOPRENE WASHER

METALCRAFT METCOM 7 ROOFING

NOTCHED EDGE DRESSED OVER
METCOM 7 RIBS

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 ≥ 10°	1. VERY HIGH WIND ZONE 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 2. ROOF PITCH >10°	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10°
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)

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PARAPET WITH TRANSVERSE APRON

Metcom 7

Rev. 1.0

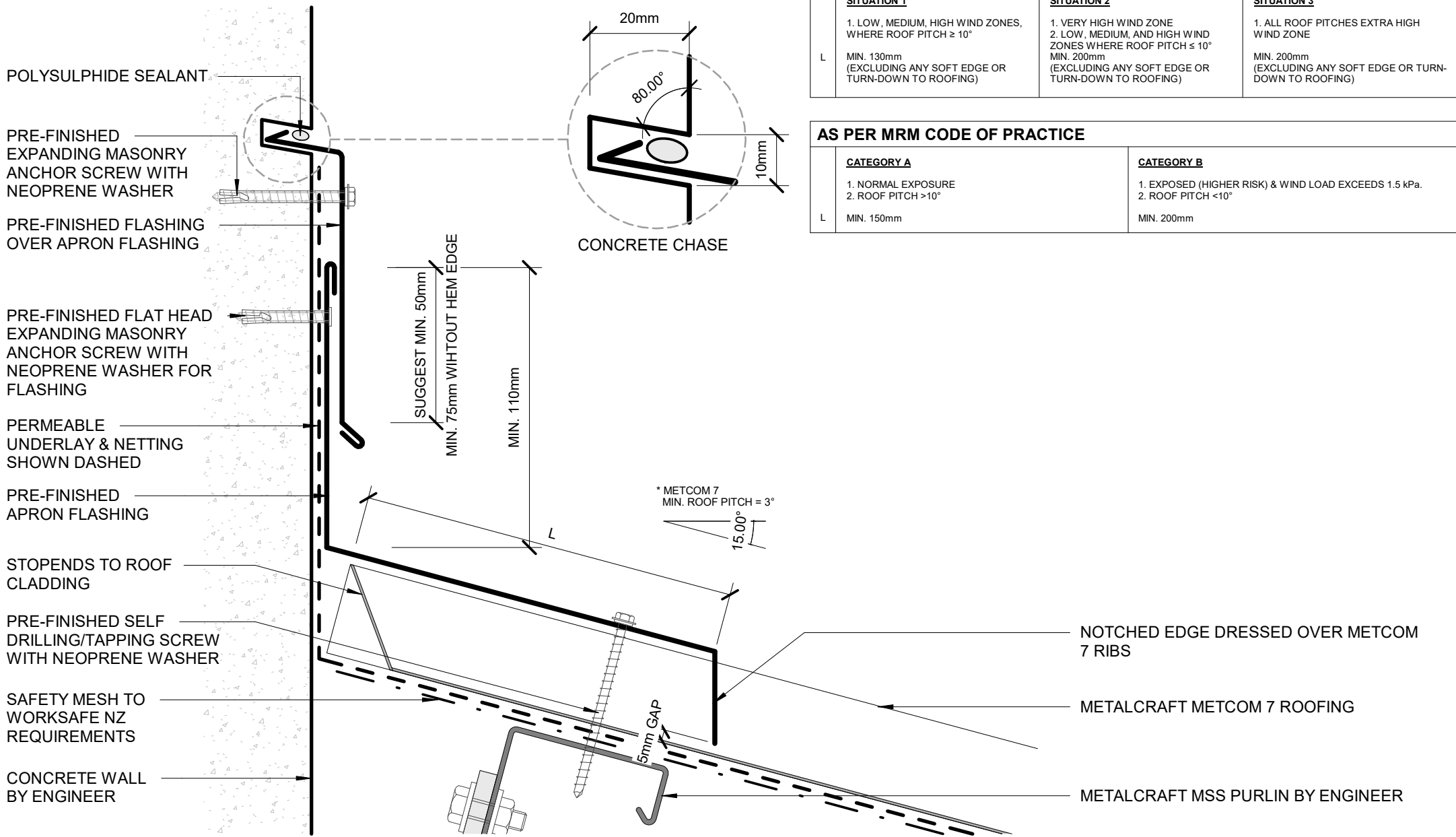
COMMERCIAL ROOFING

Reference CRMC7

Date JAN 2023

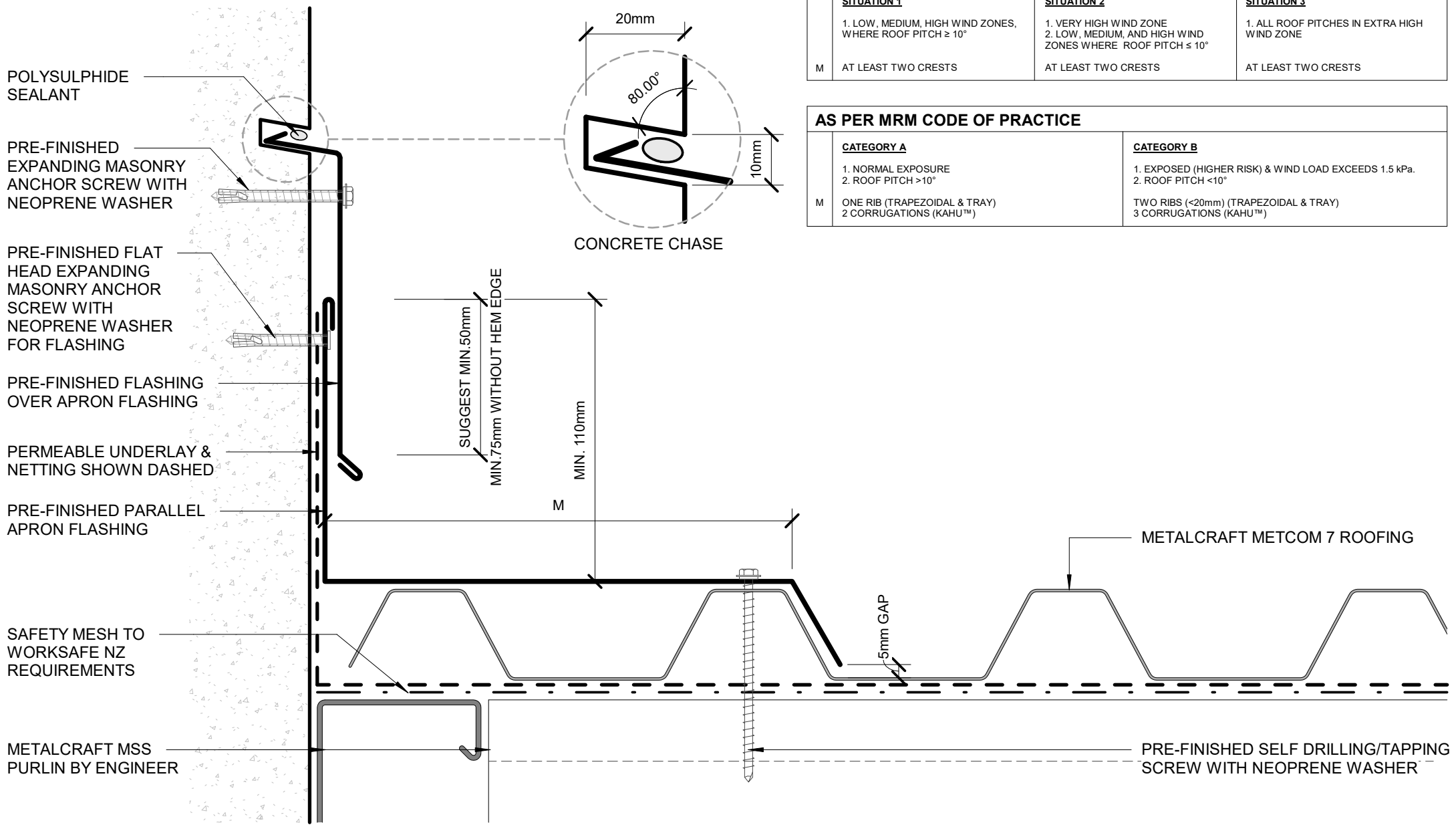
Scale 1 : 2

Sheet **D 09 / 17**



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



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 METCOM 7 ROOFING

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH NEOPRENE WASHER

METALCRAFT MSS PURLIN

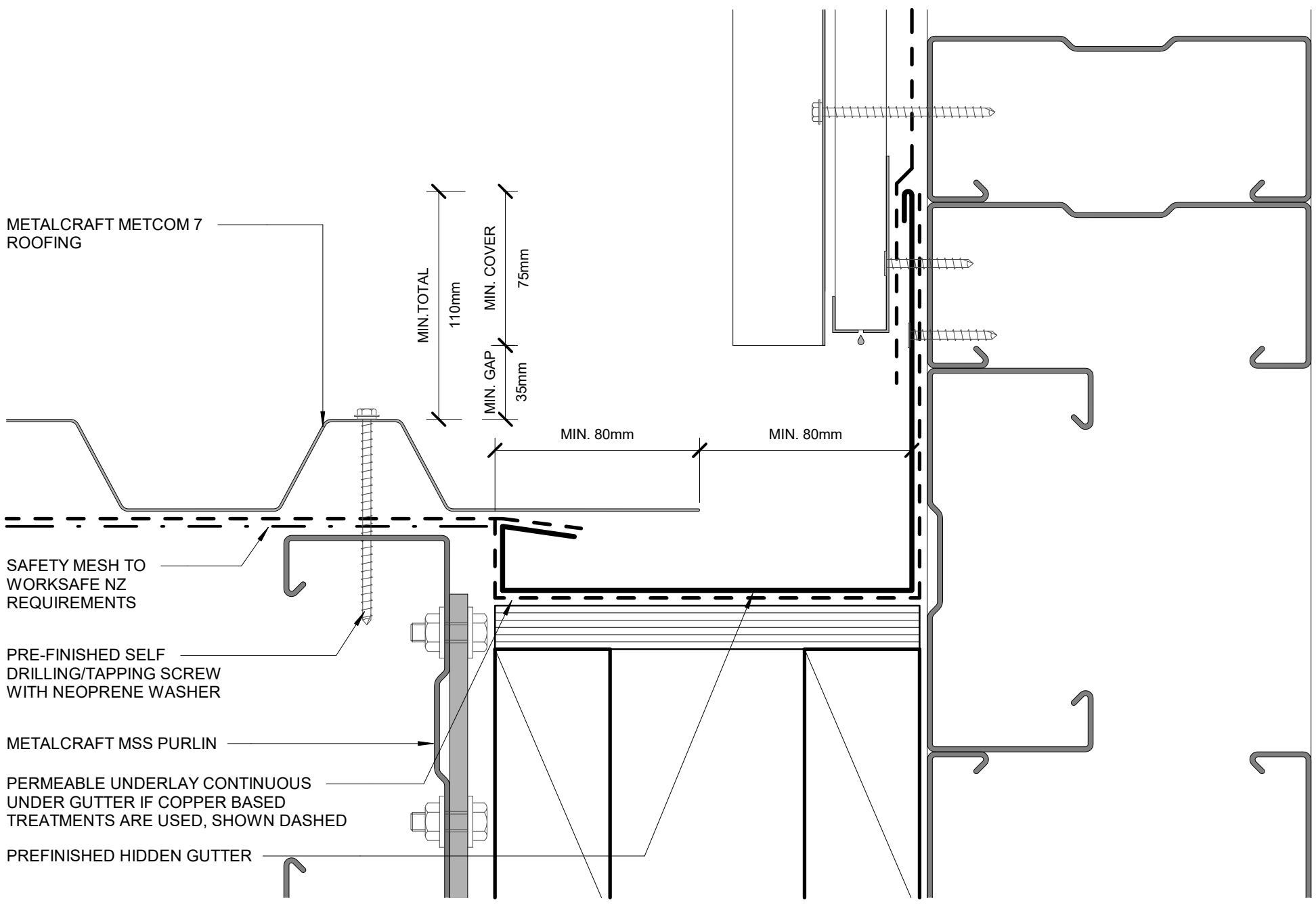
PERMEABLE UNDERLAY CONTINUOUS UNDER GUTTER IF COPPER BASED TREATMENTS ARE USED, SHOWN DASHED

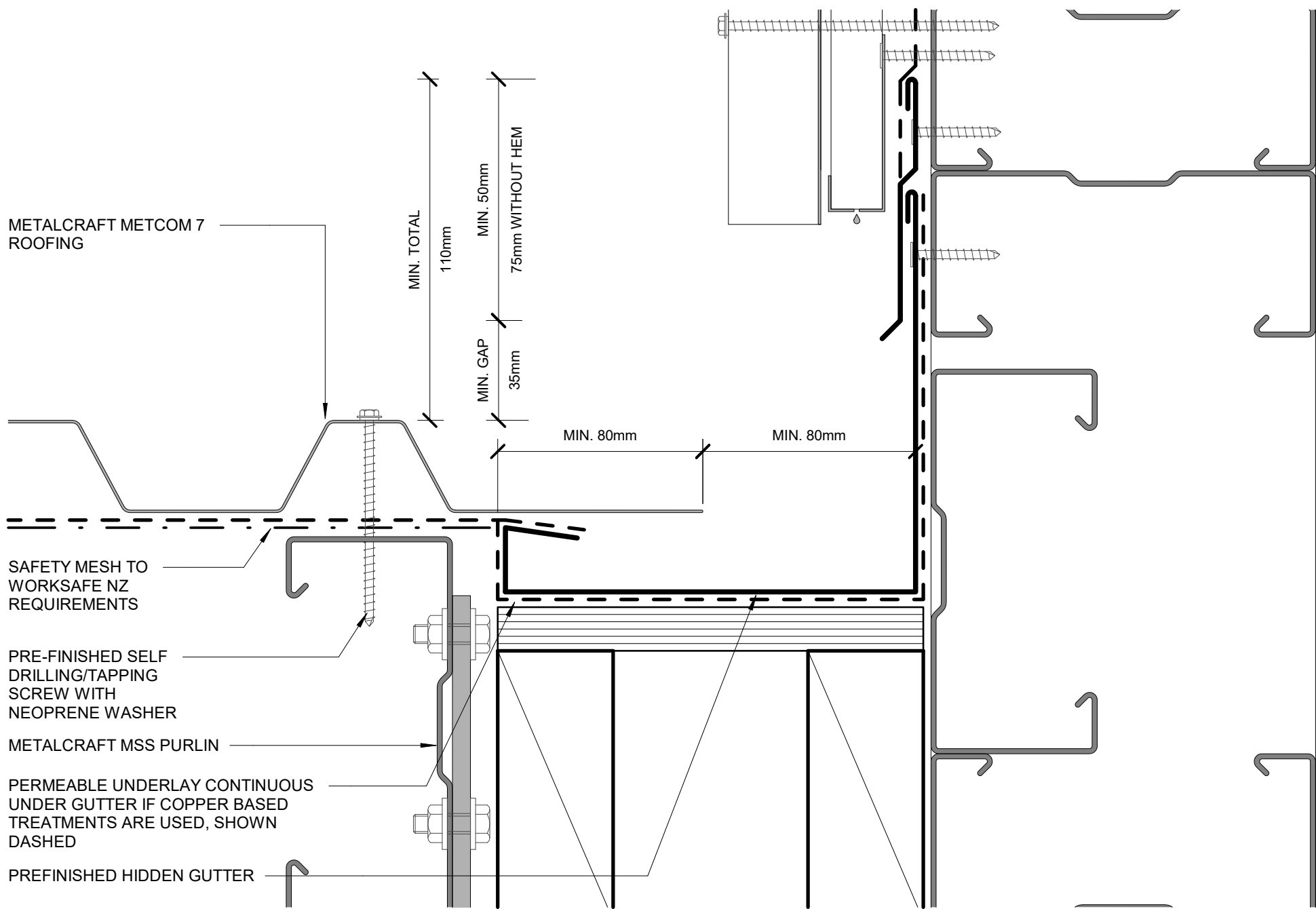
PREFINISHED HIDDEN GUTTER

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

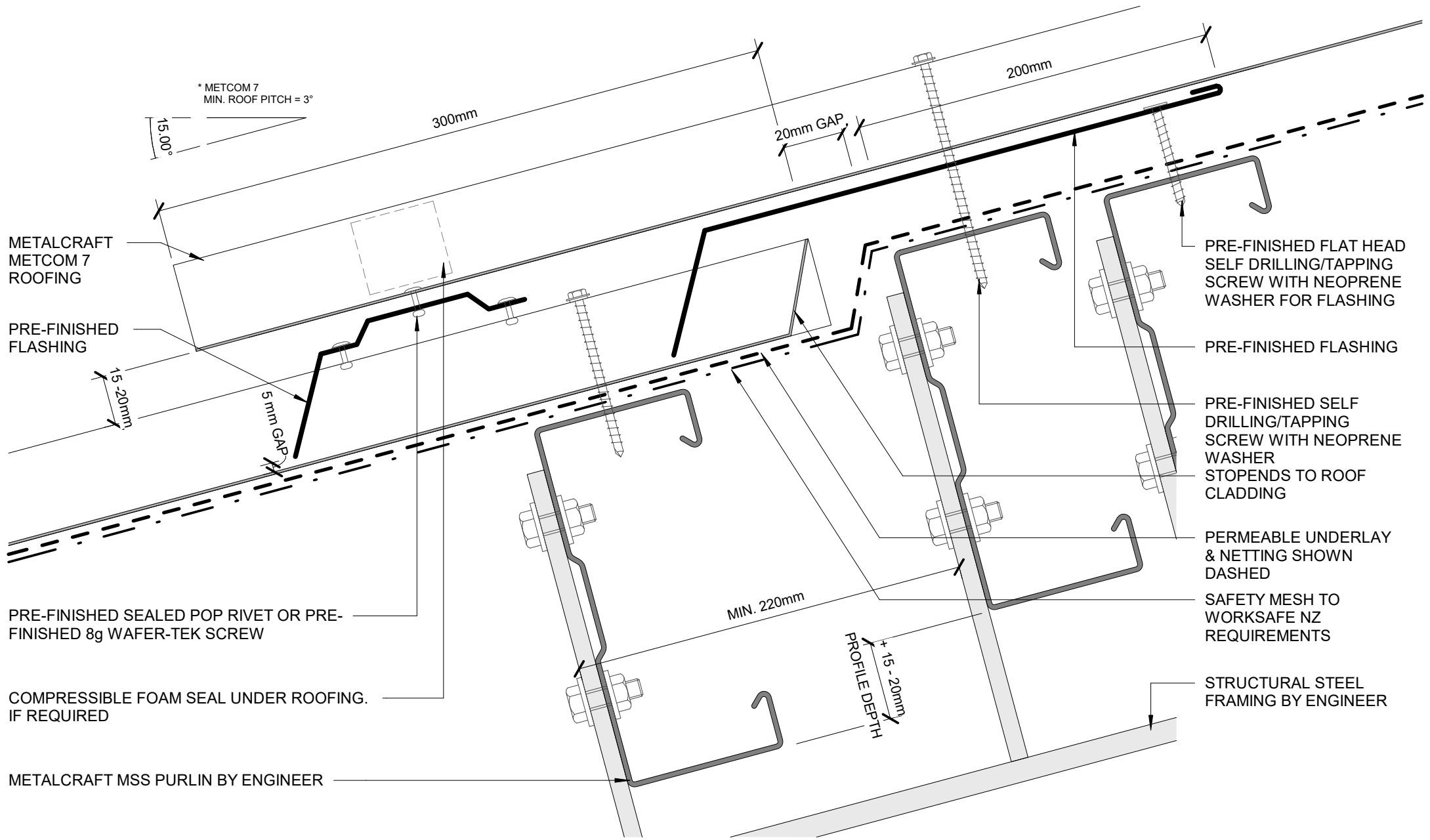
MIN. 80mm

MIN. 80mm





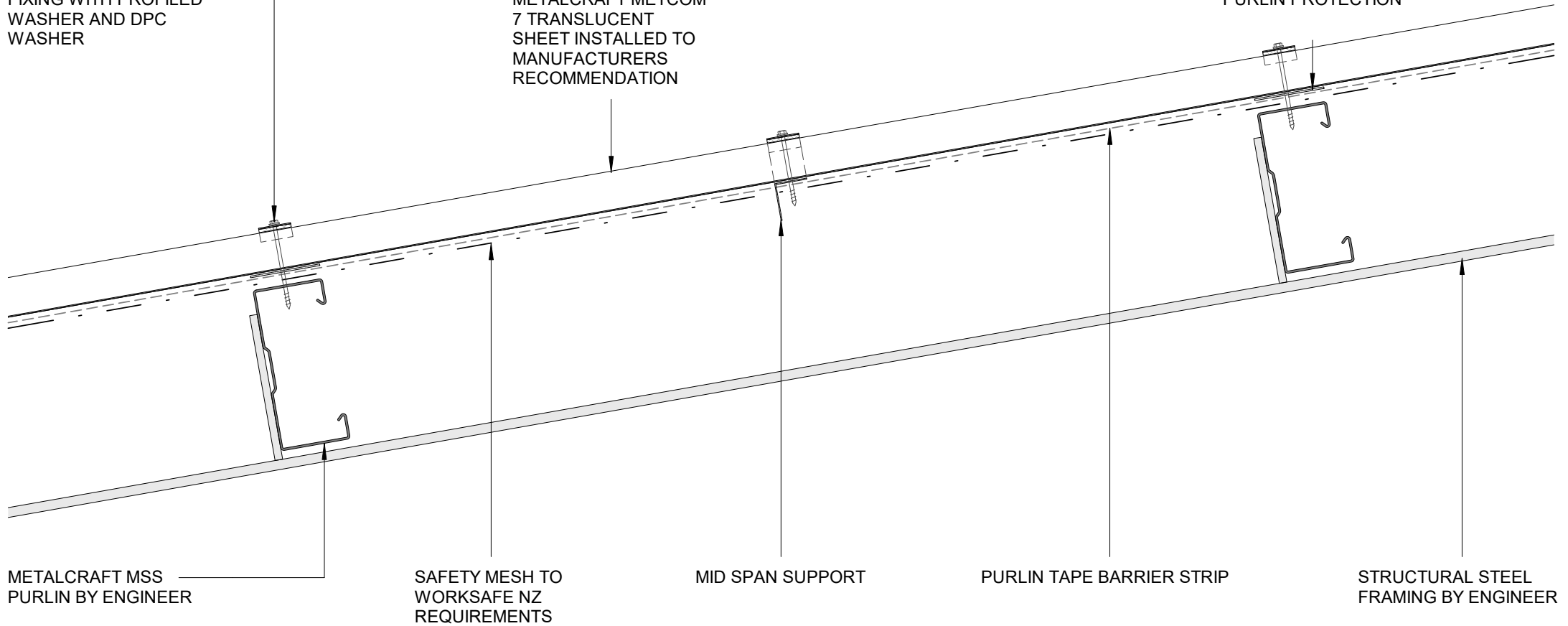
PARALLEL HIDDEN GUTTER (2 PART FLASHING)



FIXING WITH PROFILED
WASHER AND DPC
WASHER

METALCRAFT METCOM
7 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

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TRANSLUCENT SHEETS - LONG SECTION

Metcom 7

Rev. 1.0

COMMERCIAL ROOFING

Reference CRMC7

Date JAN 2023

Scale 1 : 5

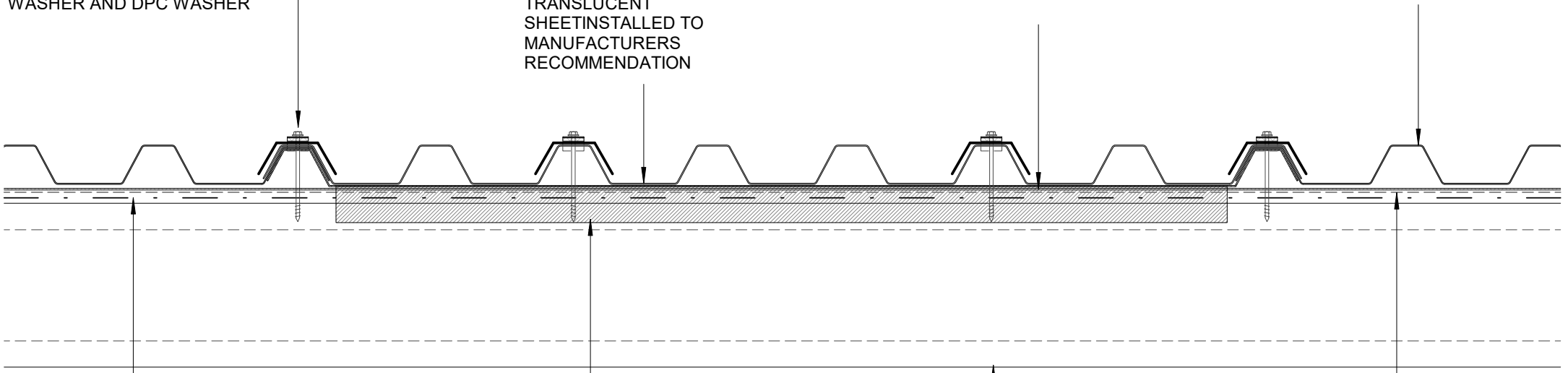
Sheet **D 15 / 17**

FIXING WITH PROFILED WASHER AND DPC WASHER

METALCRAFT METCOM 7 TRANSLUCENT SHEET INSTALLED TO MANUFACTURERS RECOMMENDATION

PURLIN PROTECTION

METALCRAFT METCOM 7 ROOFING



SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

MID SPAN SUPPORT

METALCRAFT MSS PURLIN BY ENGINEER

PURLIN TAPE BARRIER STRIP

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TRANSLUCENT SHEETS - CROSS

COMMERCIAL ROOFING

Metcom 7

Rev. 1.0

Reference CRMC7

Date JAN 2023

Scale 1 : 5

Sheet **D 16 / 17**

