

MC1000

COMMERCIAL ROOFING

DETAIL LIST

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02 / 14	RIDGE WITH NON PROFILED APEX
03 / 14	SAWTOOTH RIDGE
04 / 14	FLUSH EAVE WITH EXTERNAL GUTTER BRACKET
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14 / 14	3D TRANSLUCENT SHEETS

CRMC1000

0800 ROOFNZ (0800 766 369)
www.metalcraftroofing.co.nz

Architectural / Specification Enquiries

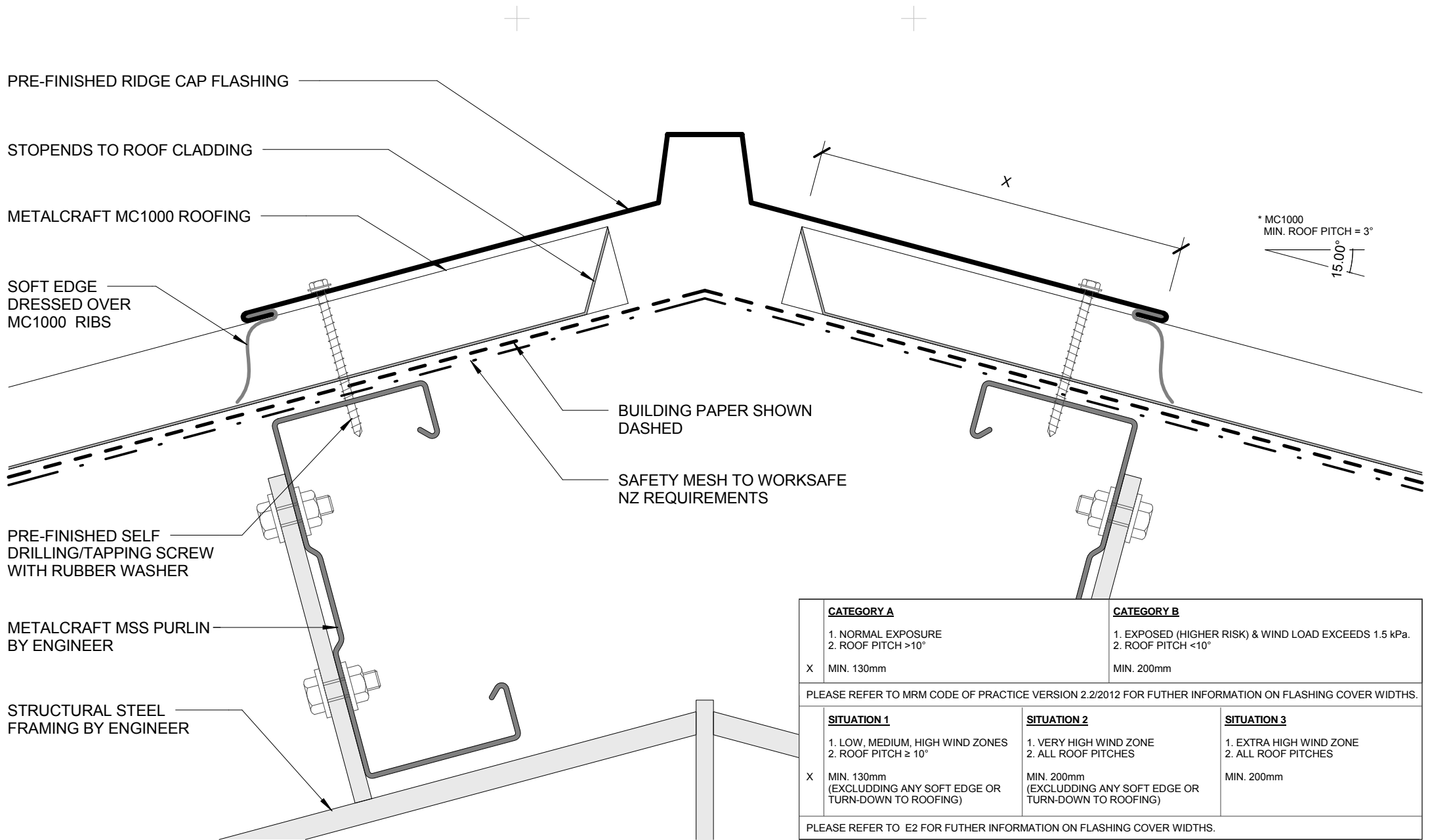
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Metalcraft
Roofing



- BUILDING PAPER IS THE COMMON GENERIC NAME FOR PERMEABLE ROOF AND WALL UNDERLAYS. PLEASE REFER TO NZBC E2/AS1 AND MRM CODE OF PRACTICE VERSION 2.2 /2012.

* - PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2 /2012 AS MINIMUM PITCH WILL INCREASE DEPENDING ON SHEET LENGTH.

CATEGORY A 1. NORMAL EXPOSURE 2. ROOF PITCH >10° X MIN. 130mm		CATEGORY B 1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10° X MIN. 200mm	
PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.			
SITUATION 1 1. LOW, MEDIUM, HIGH WIND ZONES 2. ROOF PITCH ≥ 10° X MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)		SITUATION 2 1. VERY HIGH WIND ZONE 2. ALL ROOF PITCHES X MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	
SITUATION 3 1. EXTRA HIGH WIND ZONE 2. ALL ROOF PITCHES X MIN. 200mm			
PLEASE REFER TO E2 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.			



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RIDGE WITH PROFILED APEX COMMERCIAL ROOFING

MC1000

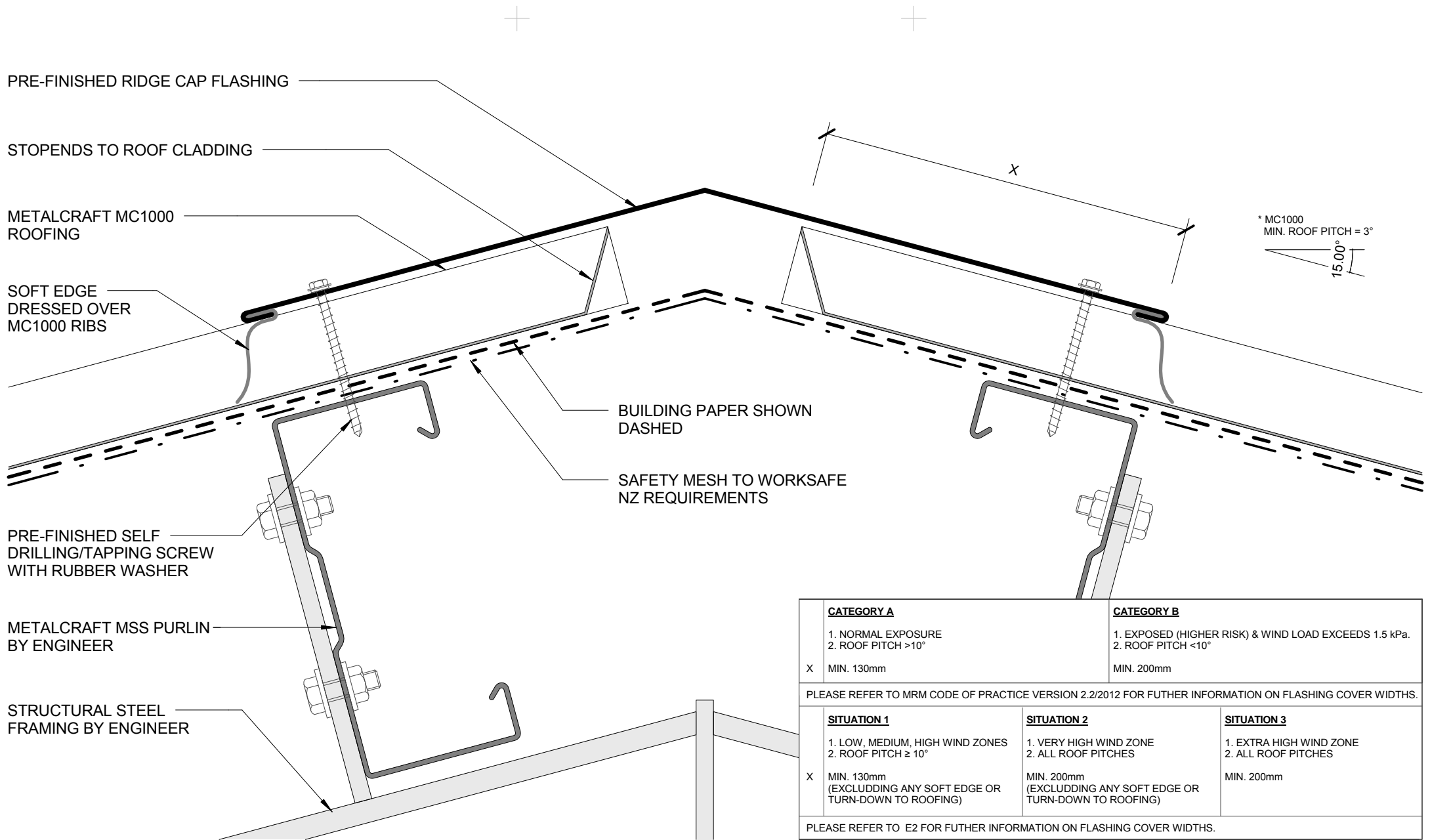
Reference CRMC1000

Date 2014

Scale 1 : 2

Sheet

01 / 14



PRE-FINISHED RIDGE CAP FLASHING

STOPENDS TO ROOF CLADDING

METALCRAFT MC1000 ROOFING

SOFT EDGE DRESSED OVER MC1000 RIBS

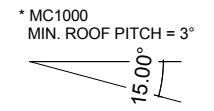
BUILDING PAPER SHOWN DASHED

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH RUBBER WASHER

METALCRAFT MSS PURLIN BY ENGINEER

STRUCTURAL STEEL FRAMING BY ENGINEER



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°			
X	MIN. 130mm		MIN. 200mm		
PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012 FOR FUTURE INFORMATION ON FLASHING COVER WIDTHS.					
SITUATION 1		SITUATION 2		SITUATION 3	
1. LOW, MEDIUM, HIGH WIND ZONES 2. ROOF PITCH ≥ 10°		1. VERY HIGH WIND ZONE 2. ALL ROOF PITCHES		1. EXTRA HIGH WIND ZONE 2. ALL ROOF PITCHES	
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	
PLEASE REFER TO E2 FOR FUTURE INFORMATION ON FLASHING COVER WIDTHS.					

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RIDGE WITH NON PROFILED APEX
COMMERCIAL ROOFING



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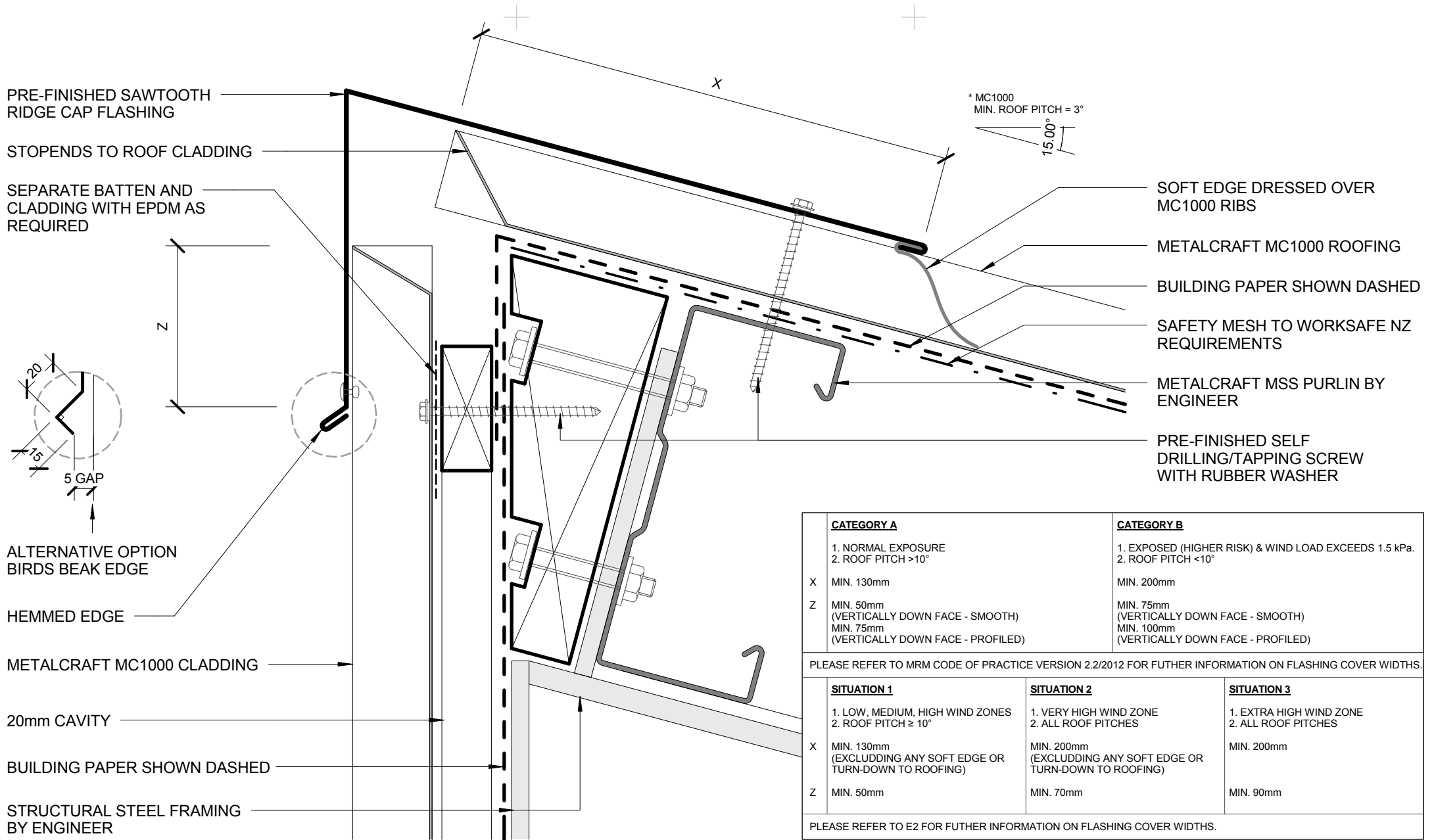
Reference CRMC1000

Date 2014

Scale 1 : 2

Sheet

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PRE-FINISHED SAWTOOTH RIDGE CAP FLASHING

STOPENDS TO ROOF CLADDING

SEPARATE BATTEN AND CLADDING WITH EPDM AS REQUIRED

ALTERNATIVE OPTION BIRDS BEAK EDGE

HEMMED EDGE

METALCRAFT MC1000 CLADDING

20mm CAVITY

BUILDING PAPER SHOWN DASHED

STRUCTURAL STEEL FRAMING BY ENGINEER

* MC1000
MIN. ROOF PITCH = 3°

15.00°

SOFT EDGE DRESSED OVER MC1000 RIBS

METALCRAFT MC1000 ROOFING

BUILDING PAPER SHOWN DASHED

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

METALCRAFT MSS PURLIN BY ENGINEER

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH RUBBER WASHER

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°			
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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SITUATION 1		SITUATION 2		SITUATION 3	
1. LOW, MEDIUM, HIGH WIND ZONES 2. ROOF PITCH ≥ 10°		1. VERY HIGH WIND ZONE 2. ALL ROOF PITCHES		1. EXTRA HIGH WIND ZONE 2. ALL ROOF PITCHES	
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	
Z	MIN. 50mm	MIN. 70mm		MIN. 90mm	
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SAWTOOTH RIDGE
COMMERCIAL ROOFING

Reference CRMC1000

Date 2014

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EAVE FLASHING REQUIRED WHEN
 - ROOF PITCH $\leq 10^\circ$, OR
 - SOFFIT WIDTH $\leq 100\text{mm}$, OR
 - WIND ZONES = VERY HIGH OR EXTRA HIGH OR
 - ENGINEER SPECIFIC DESIGN

* MC1000
 MIN. ROOF PITCH = 3°
 15.00°

DIMENSION TO SUIT
 SUGGEST MIN. 125mm

METALCRAFT MC1000
 ROOFING

BUILDING PAPER SHOWN
 DASHED

PRE-FINISHED EAVE
 FLASHING

METALCRAFT BOX GUTTER
 125 WITH EXTERNAL
 BRACKET

PRE-FINISHED SELF
 DRILLING/TAPPING SCREW
 WITH RUBBER WASHER

SEPARATE BATTEN AND
 CLADDING WITH EPDM AS
 REQUIRED

FASCIA BOARD

METALCRAFT MC1000 CLADDING ON CAVITY

METALCRAFT MSS PURLIN BY ENGINEER

MIN. 35mm
 OVERLAP

MIN. 50mm
 OR AS REQUIRED

PACKER

SAFETY MESH TO
 WORKSAFE NZ
 REQUIREMENTS

PRE-FINISHED SELF
 DRILLING/TAPPING SCREW
 WITH RUBBER WASHER

STRUCTURAL STEEL
 FRAMING BY ENGINEER

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FLUSH EAVE WITH EXTERNAL GUTTER BRACKET

MC1000

COMMERCIAL ROOFING



Reference CRMC1000

Date 2014

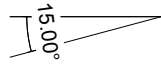
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EAVE FLASHING REQUIRED WHEN
 - ROOF PITCH $\leq 10^\circ$, OR
 - SOFFIT WIDTH $\leq 100\text{mm}$, OR
 - WIND ZONES = VERY HIGH OR EXTRA HIGH OR
 - ENGINEER SPECIFIC DESIGN

* MC1000
 MIN. ROOF PITCH = 3°



METALCRAFT MC1000
 ROOFING

BUILDING PAPER SHOWN
 DASHED

PRE-FINISHED EAVE
 FLASHING

METALCRAFT BOX GUTTER 125
 WITH EXTERNAL BRACKET

PRE-FINISHED SELF
 DRILLING/TAPPING SCREW WITH
 RUBBER WASHER

SEPARATE BATTEN AND CLADDING
 WITH EPDM AS REQUIRED

METALCRAFT MC1000
 CLADDING ON CAVITY

METALCRAFT MSS PURLIN
 BY ENGINEER

MIN. 50mm
 OR AS REQUIRED

DIMENSION TO SUIT
 SUGGEST MIN. 125mm

MIN. 35mm
 OVERLAP

PACKER

SAFETY MESH TO
 WORKSAFE NZ
 REQUIREMENTS

PRE-FINISHED SELF
 DRILLING/TAPPING SCREW
 WITH RUBBER WASHER

STRUCTURAL STEEL
 FRAMING BY ENGINEER

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FLUSH EAVE WITH PAN FIXED GUTTER
 COMMERCIAL ROOFING



MC1000

Reference CRMC1000

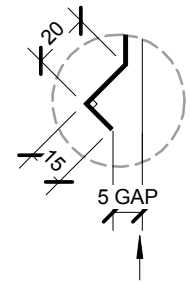
Date 2014

Scale 1 : 2

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PRE-FINISHED
BARGE FLASHING



ALTERNATIVE OPTION
BIRDS BEAK EDGE

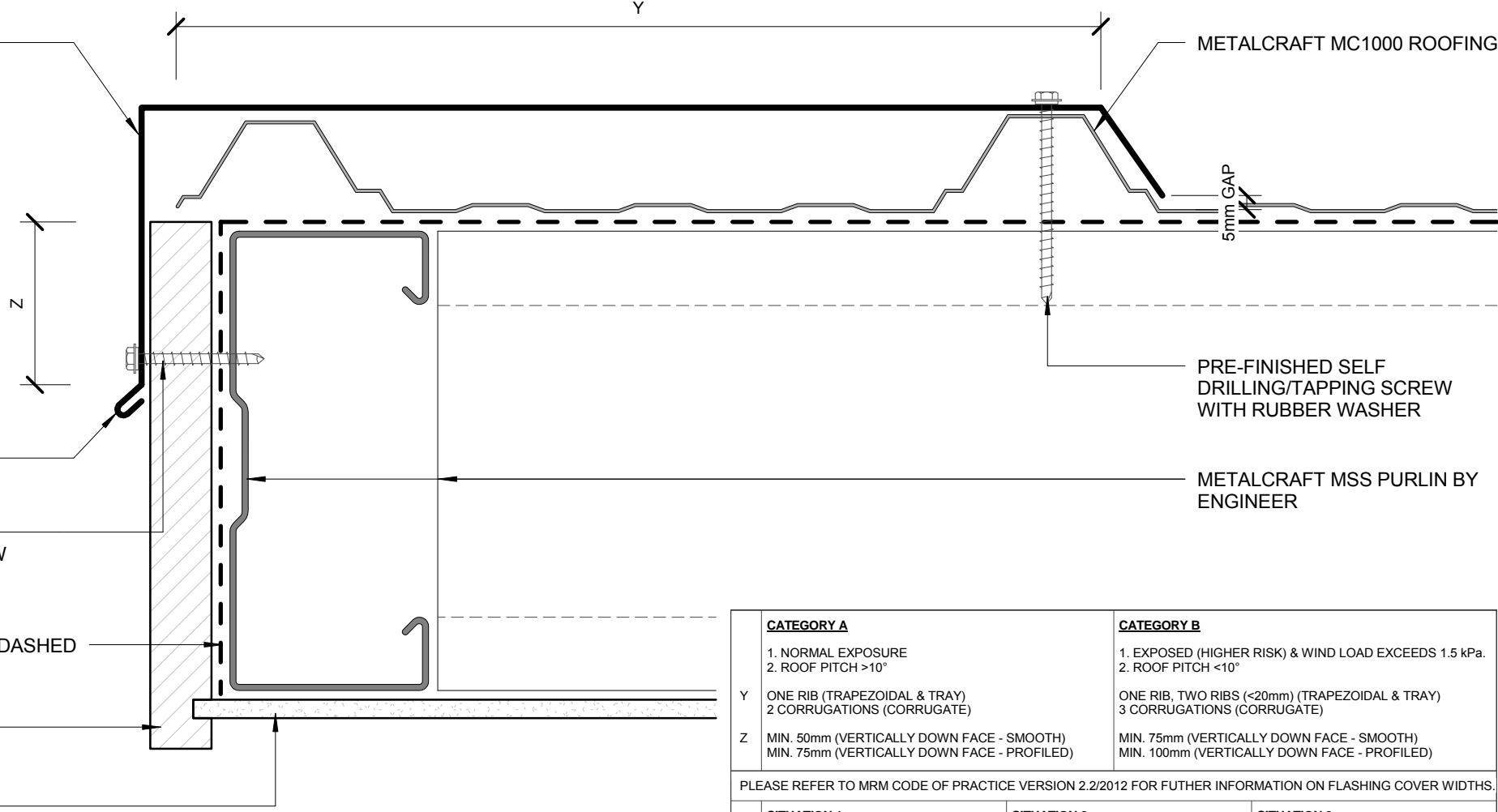
HEMMED EDGE

PRE-FINISHED SELF
DRILLING/TAPPING SCREW
WITH RUBBER WASHER

BUILDING PAPER SHOWN DASHED

BARGE BOARD

SOFFIT LINING



METALCRAFT MC1000 ROOFING

5mm GAP

PRE-FINISHED SELF
DRILLING/TAPPING SCREW
WITH RUBBER WASHER

METALCRAFT MSS PURLIN BY
ENGINEER

	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°	
Y	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS (CORRUGATE)	ONE RIB, TWO RIBS (<20mm) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS (CORRUGATE)	
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)	
PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012 FOR FUTURE INFORMATION ON FLASHING COVER WIDTHS.			
	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES 2. ROOF PITCH ≥ 10°	1. VERY HIGH WIND ZONE 2. ALL ROOF PITCHES	1. EXTRA HIGH WIND ZONE 2. ALL ROOF PITCHES
Y	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS
Z	MIN. 50mm	MIN. 70mm	MIN. 90mm
PLEASE REFER TO E2 FOR FUTURE INFORMATION ON FLASHING COVER WIDTHS.			

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BARGE OVERHANG
COMMERCIAL ROOFING

Reference CRMC1000

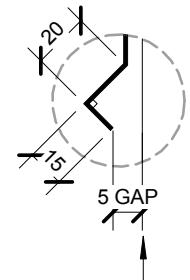
Date 2014

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



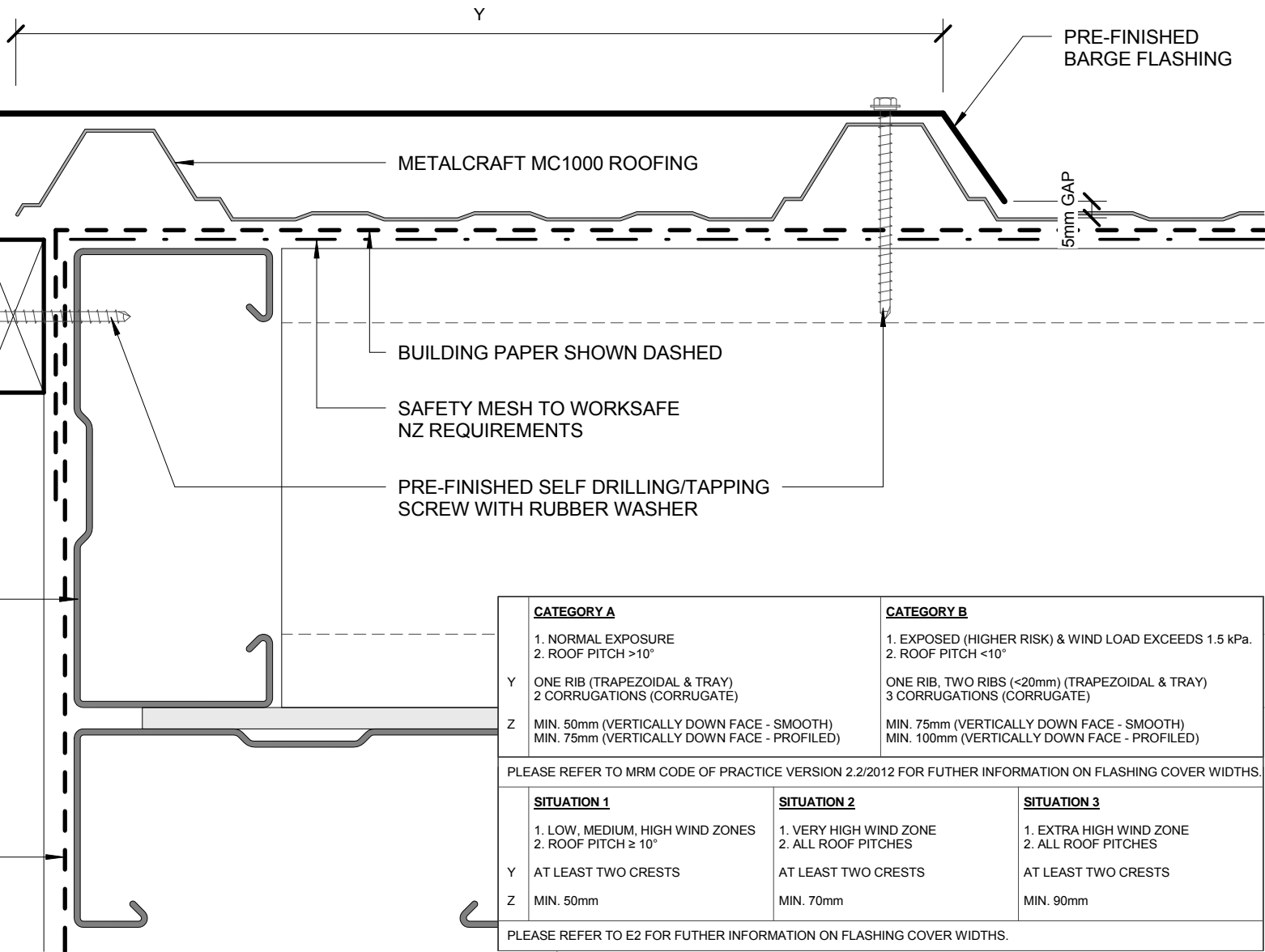
ALTERNATIVE OPTION BIRDS BEAK EDGE

METALCRAFT MSS PURLIN BY ENGINEER

METALCRAFT MC1000 CLADDING

20mm CAVITY

BUILDING PAPER SHOWN DASHED



METALCRAFT MC1000 ROOFING

PRE-FINISHED BARGE FLASHING

5mm GAP

BUILDING PAPER SHOWN DASHED

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH RUBBER WASHER

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°			
Y	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS (CORRUGATE)	ONE RIB, TWO RIBS (<20mm) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS (CORRUGATE)			
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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SITUATION 1		SITUATION 2		SITUATION 3	
1. LOW, MEDIUM, HIGH WIND ZONES 2. ROOF PITCH ≥ 10°		1. VERY HIGH WIND ZONE 2. ALL ROOF PITCHES		1. EXTRA HIGH WIND ZONE 2. ALL ROOF PITCHES	
Y	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS		AT LEAST TWO CRESTS	
Z	MIN. 50mm	MIN. 70mm		MIN. 90mm	
PLEASE REFER TO E2 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.					

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BARGE WITH PROFILED CLADDING
COMMERCIAL ROOFING



MC1000

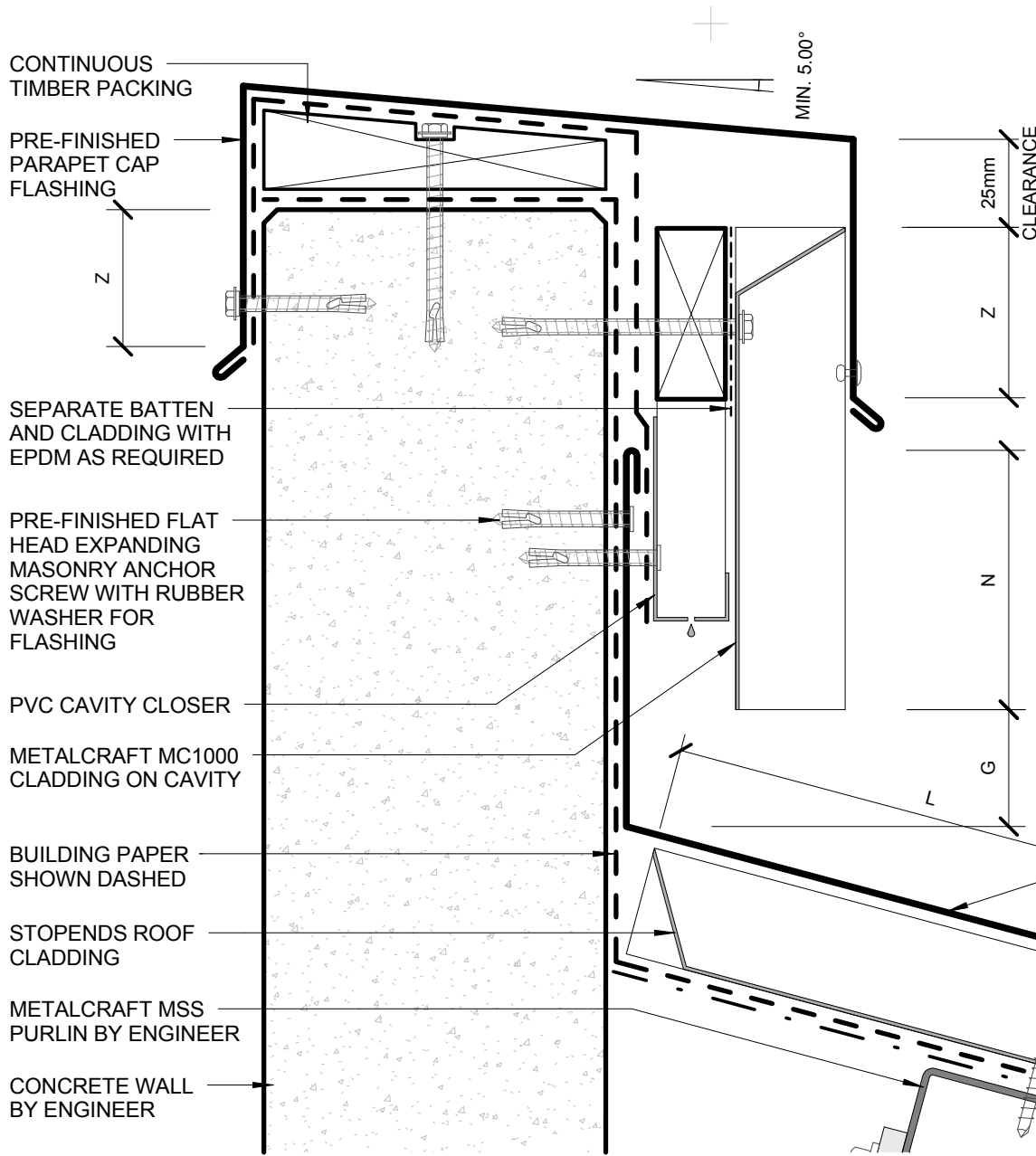
Reference CRMC1000

Date 2014

Scale 1 : 2

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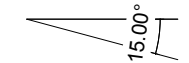
	CATEGORY A	CATEGORY B
	1. NORMAL EXPOSURE 2. ROOF PITCH >10°	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10°
G	25mm	25mm
N	MIN. 50mm + HEM OR 75mm (VERTICALLY UP FACE - SMOOTH) MIN. 75mm + HEM OR 100mm (VERTICALLY UP FACE - PROFILED)	MIN. 75mm + HEM OR 100mm (VERTICALLY UP FACE - 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)

PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES 2. ROOF PITCH ≥ 10°	1. VERY HIGH WIND ZONE 2. ALL ROOF PITCHES	1. EXTRA HIGH WIND ZONE 2. ALL ROOF PITCHES
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
Z	MIN. 50mm	MIN. 70mm	MIN. 90mm

PLEASE REFER TO E2 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

* MC1000
MIN. ROOF PITCH = 3°



- PRE-FINISHED APRON FLASHING
- PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH RUBBER WASHER
- METALCRAFT MC1000 ROOFING
- SOFT EDGE DRESSED OVER MC1000 RIBS
- SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

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PARAPET WITH TRANSVERSE APRON COMMERCIAL ROOFING

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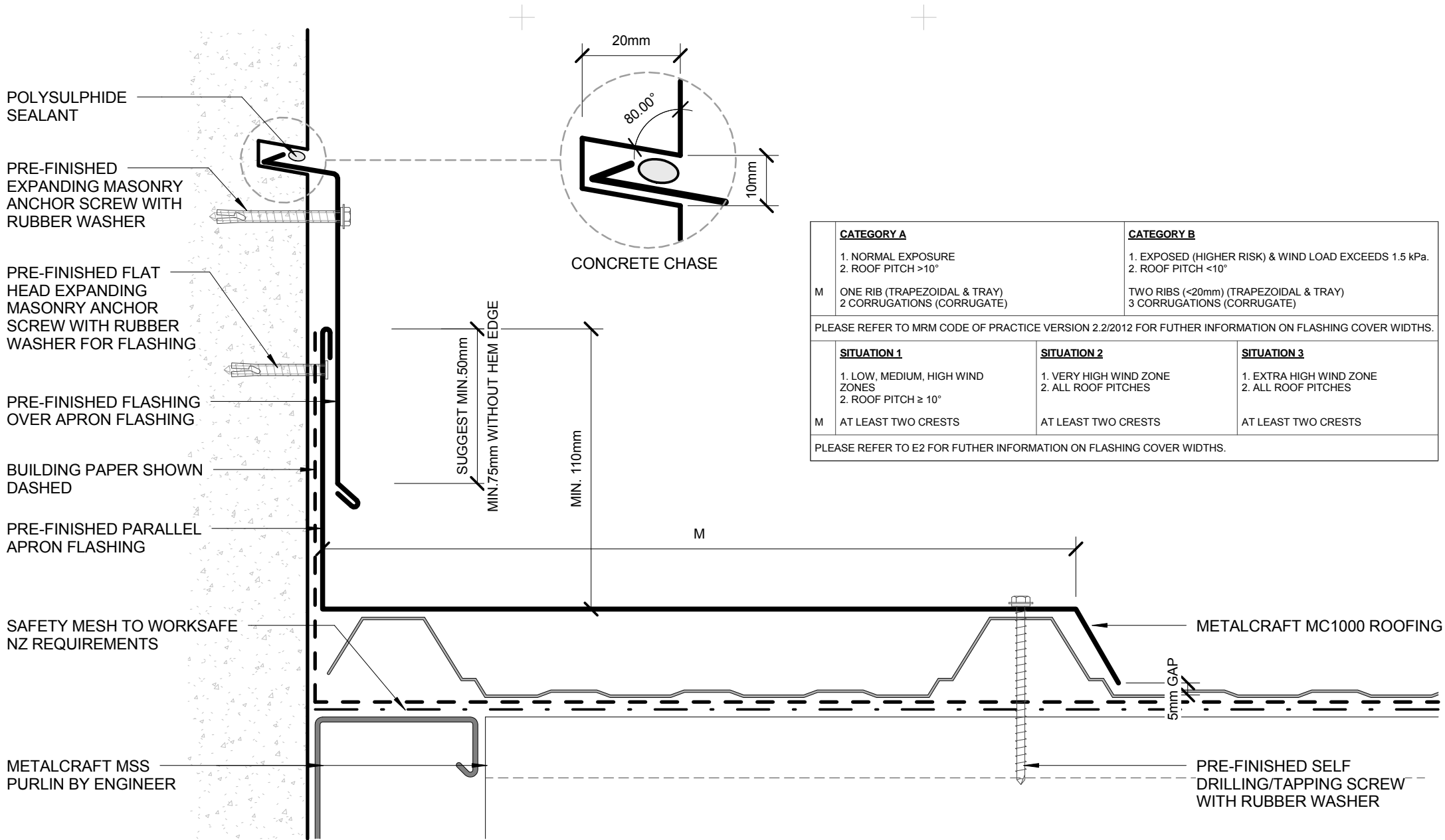
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Scale 1 : 2

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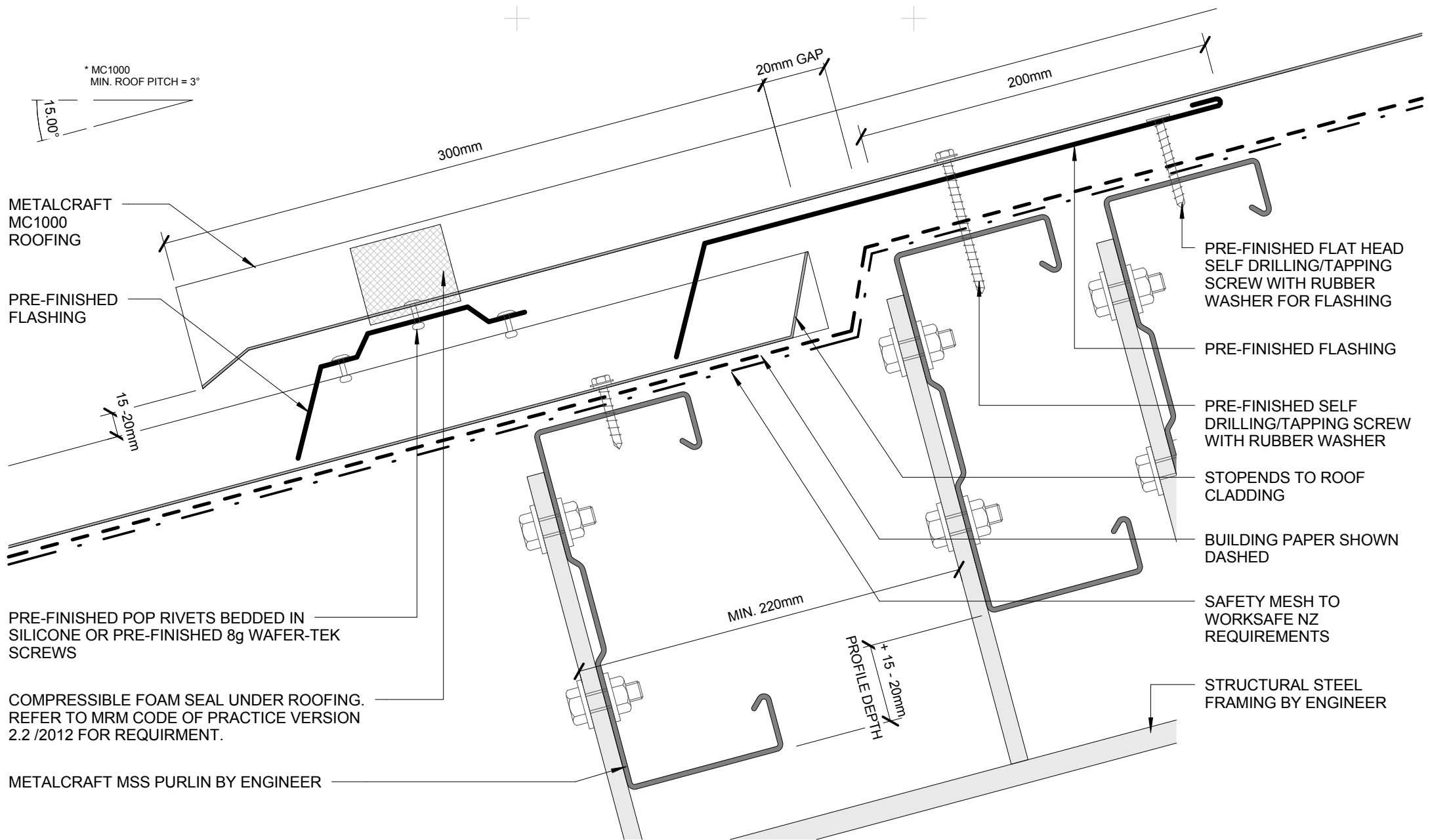
08 / 14



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°		
M	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS (CORRUGATE)		TWO RIBS (<20mm) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS (CORRUGATE)		
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SITUATION 1		SITUATION 2		SITUATION 3	
	1. LOW, MEDIUM, HIGH WIND ZONES 2. ROOF PITCH ≥ 10°		1. VERY HIGH WIND ZONE 2. ALL ROOF PITCHES		1. EXTRA HIGH WIND ZONE 2. ALL ROOF PITCHES
M	AT LEAST TWO CRESTS		AT LEAST TWO CRESTS		AT LEAST TWO CRESTS
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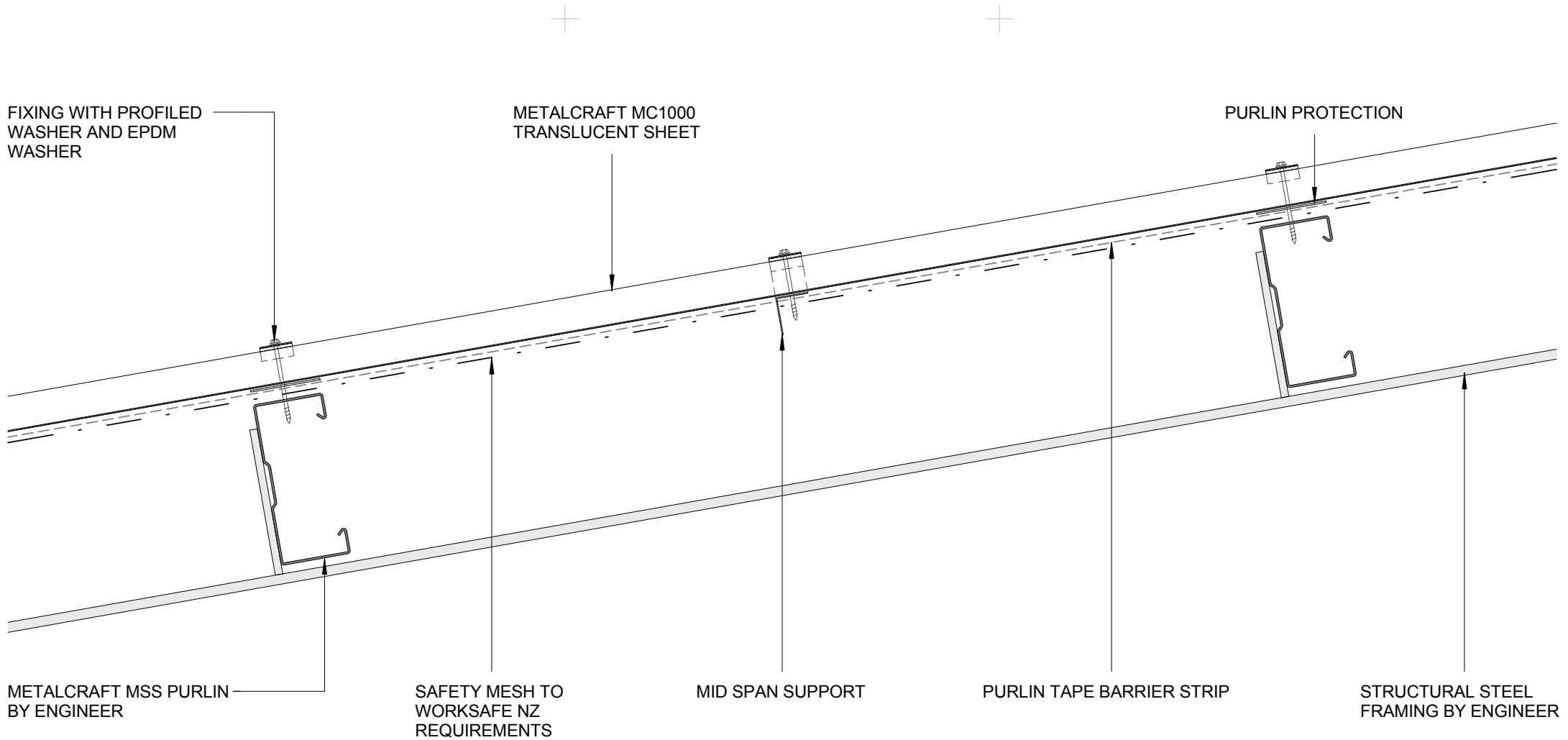
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Scale 1 : 2

ROOF STEP
COMMERCIAL ROOFING

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- BUILDING PAPER IS THE COMMON GENERIC NAME FOR PERMEABLE ROOF AND WALL UNDERLAYS. PLEASE REFER TO NZBC E2/AS1 AND MRM CODE OF PRACTICE VERSION 2.2 /2012.

DISCLAIMER:
 All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 2.2 /2012, 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.

TRANSLUCENT SHEETS - LONG SECTION

COMMERCIAL ROOFING

MC1000

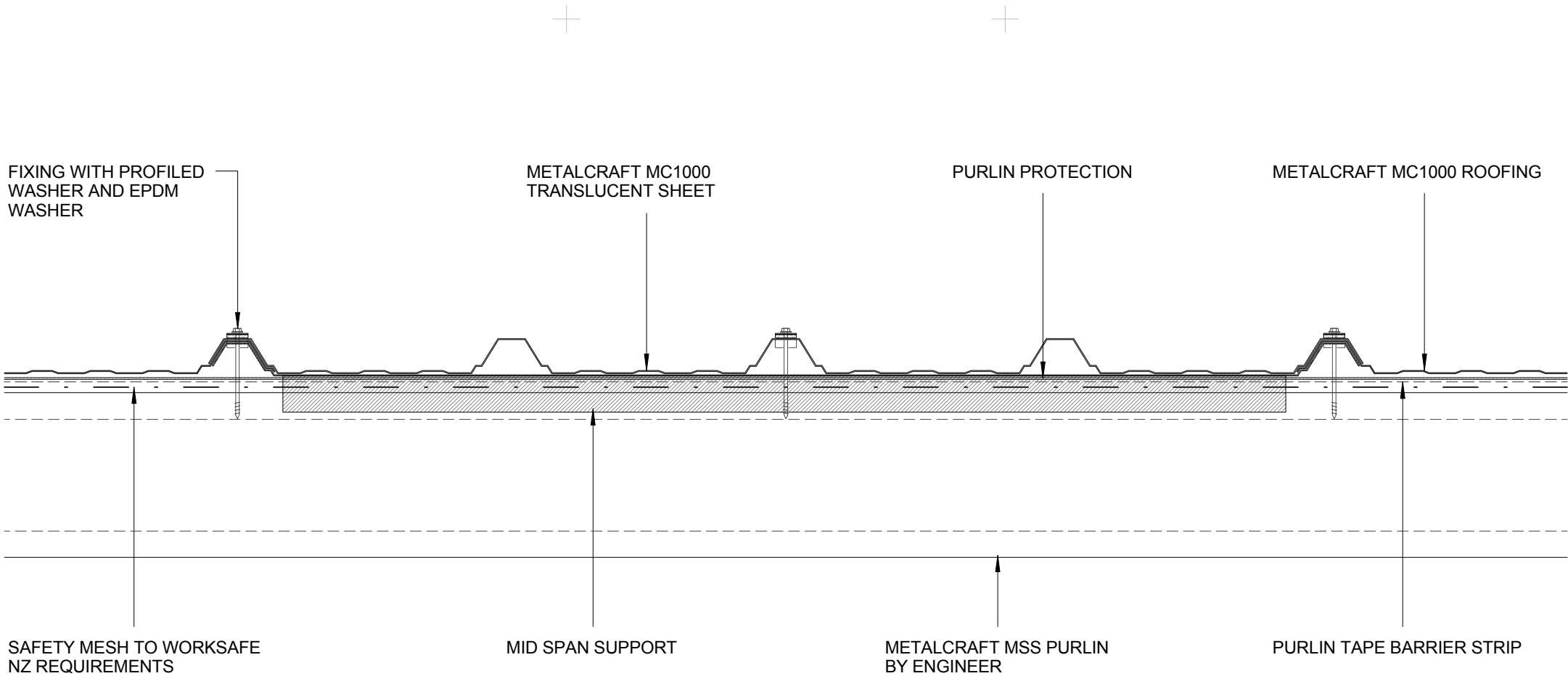
Reference CRMC1000

Date 2014

Scale 1 : 5

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TRANSLUCENT SHEETS - CROSS
COMMERCIAL ROOFING

MC1000

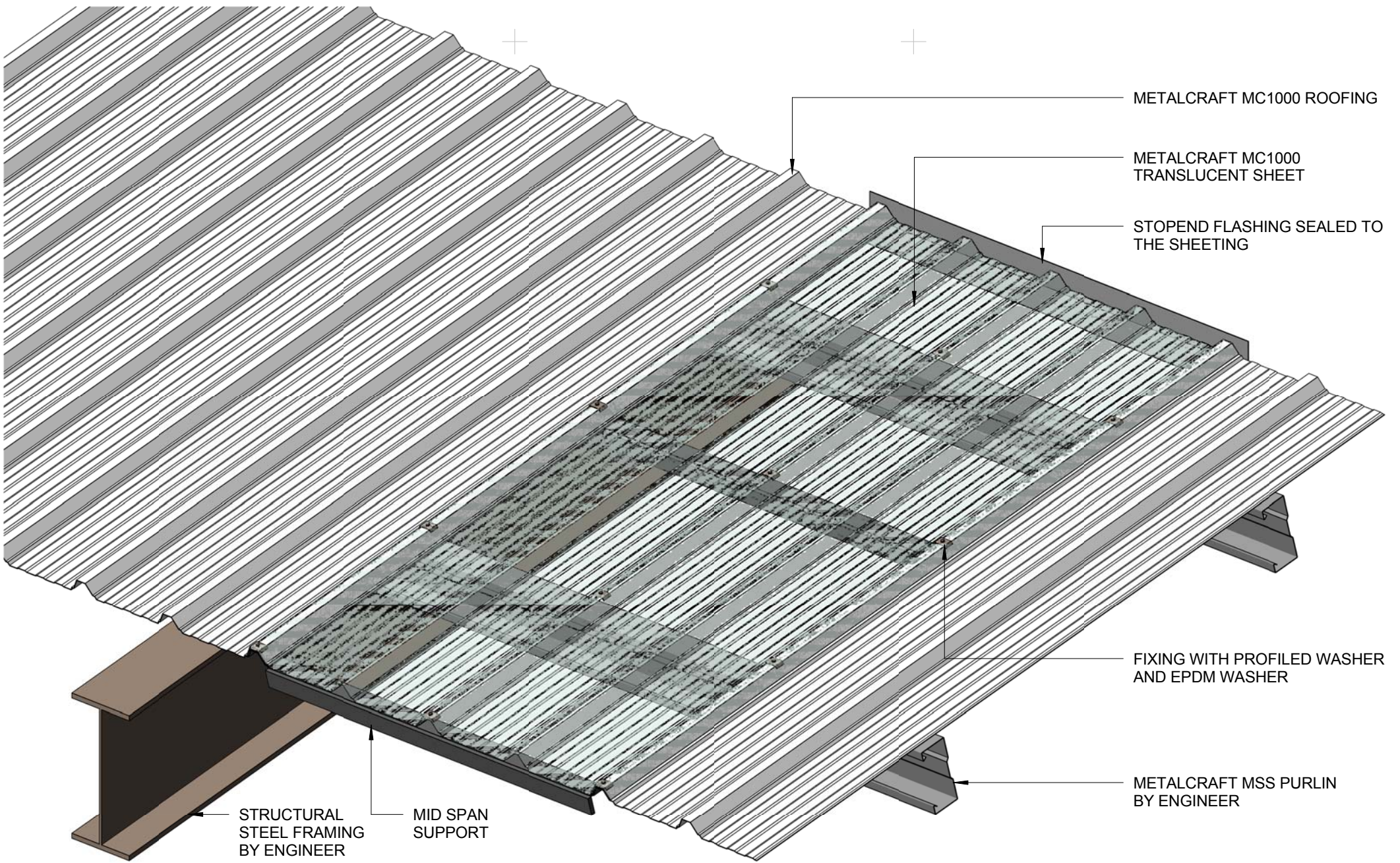
Reference CRMC1000

Date 2014

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3D TRANSLUCENT SHEETS
COMMERCIAL ROOFING