

# MC770

## COMMERCIAL ROOFING

### DETAIL LIST

00 / 14	COVER SHEET
01 / 14	RIDGE WITH PROFILED APEX
02 / 14	RIDGE WITH NON PROFILED APEX
03 / 14	SAWTOOTH RIDGE
04 / 14	FLUSH EAVE WITH EXTERNAL GUTTER BRACKET
05 / 14	FLUSH EAVE WITH PAN FIXED GUTTER
06 / 14	BARGE OVERHANG
07 / 14	BARGE WITH PROFILED CLADDING
08 / 14	PARAPET WITH TRANSVERSE APRON
09 / 14	TRANSVERSE APRON
10 / 14	PARALLEL APRON
11 / 14	ROOF STEP
12 / 14	TRANSLUCENT SHEETS - LONG SECTION
13 / 14	TRANSLUCENT SHEETS - CROSS
14 / 14	3D TRANSLUCENT SHEETS

CRMC770

0800 ROOFNZ (0800 766 369)  
[www.metalcraftroofing.co.nz](http://www.metalcraftroofing.co.nz)

Architectural / Specification Enquiries

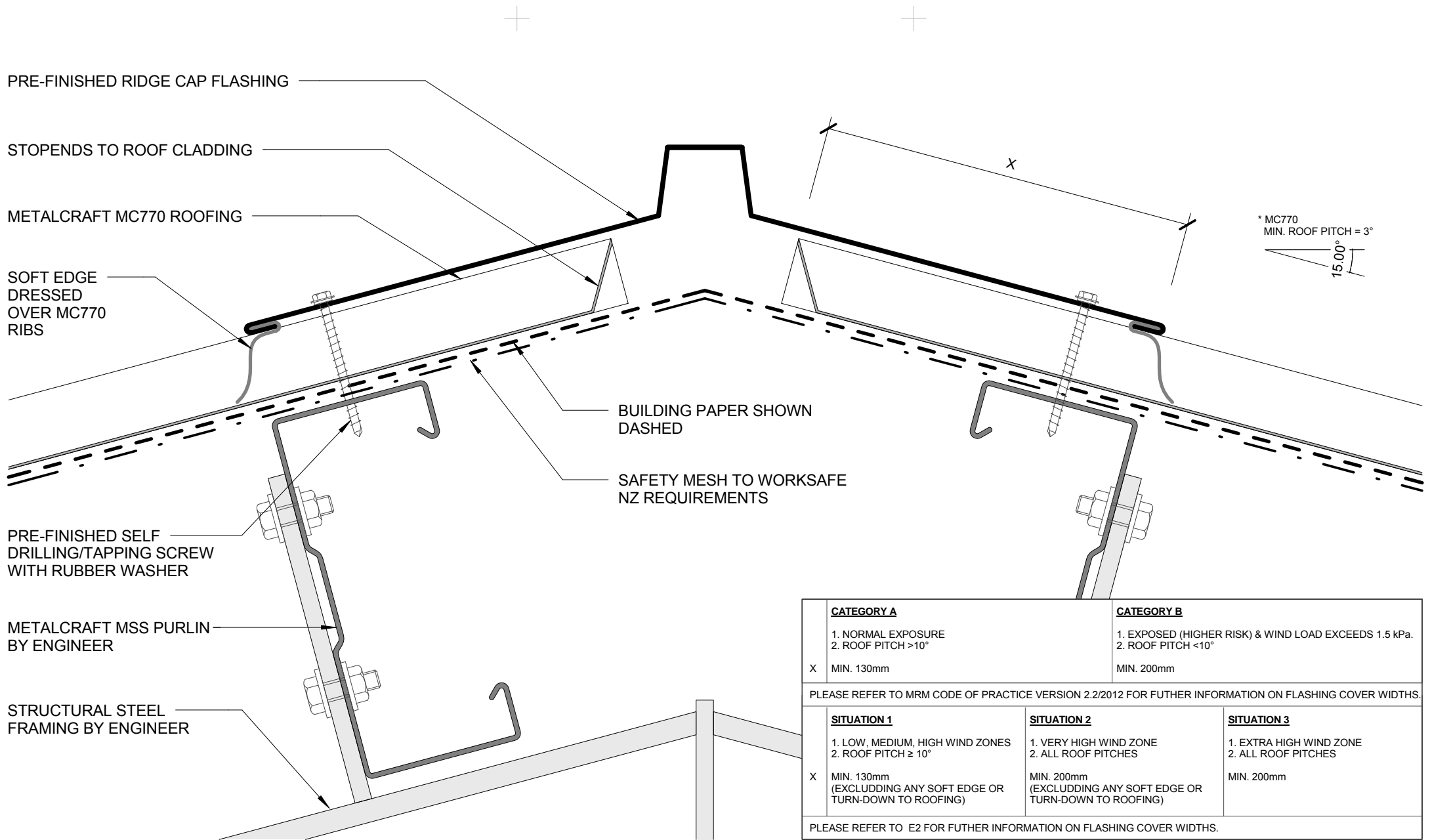
Ph: 09 274 0408

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**Metalcraft**  
Roofing



PRE-FINISHED RIDGE CAP FLASHING

STOPENDS TO ROOF CLADDING

METALCRAFT MC770 ROOFING

SOFT EDGE DRESSED OVER MC770 RIBS

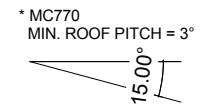
BUILDING PAPER SHOWN DASHED

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



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

- 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.

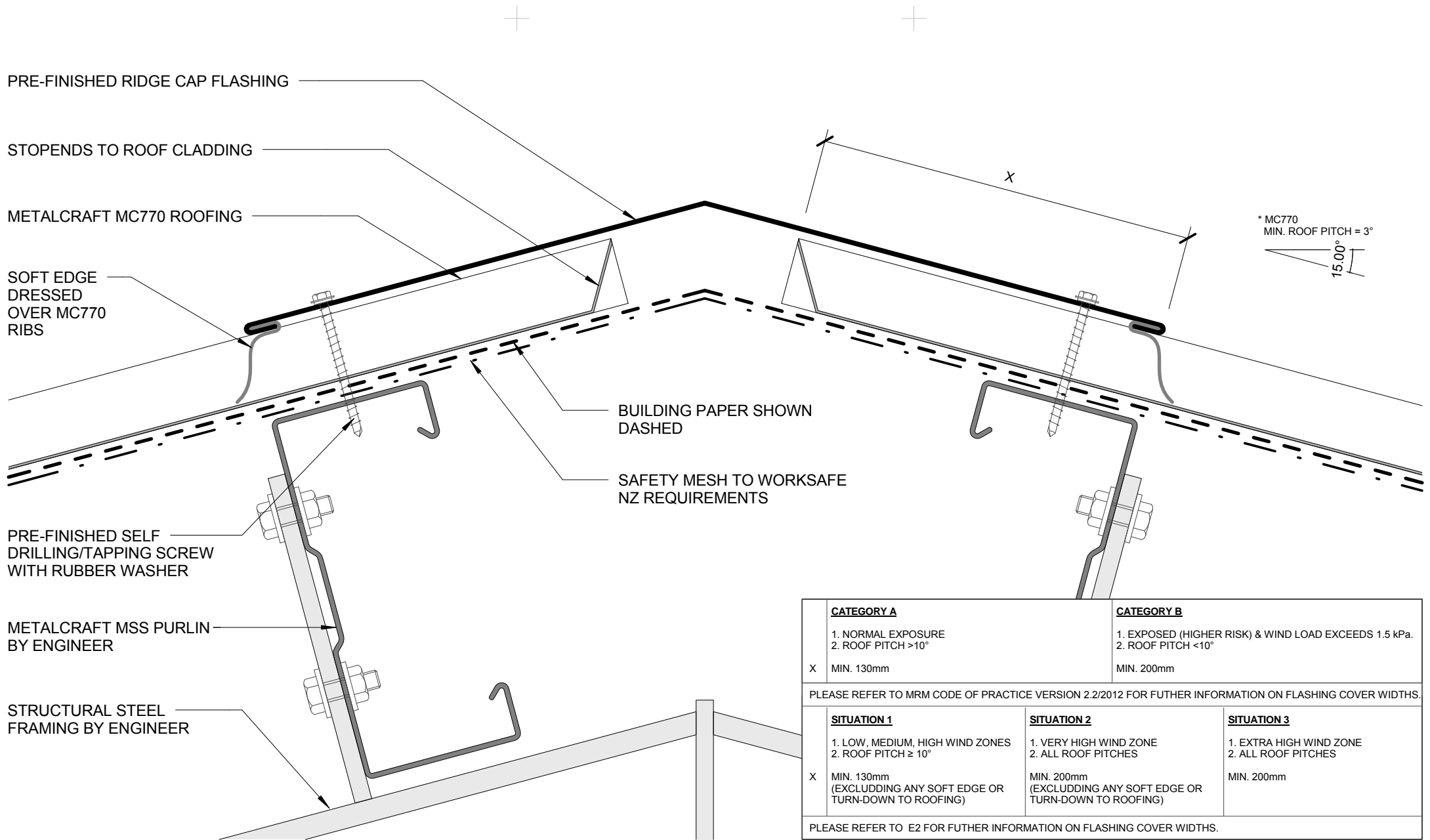
\* - PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2 /2012 AS MINIMUM PITCH WILL INCREASE DEPENDING ON SHEET LENGTH.

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**RIDGE WITH PROFILED APEX**  
COMMERCIAL ROOFING



MC770



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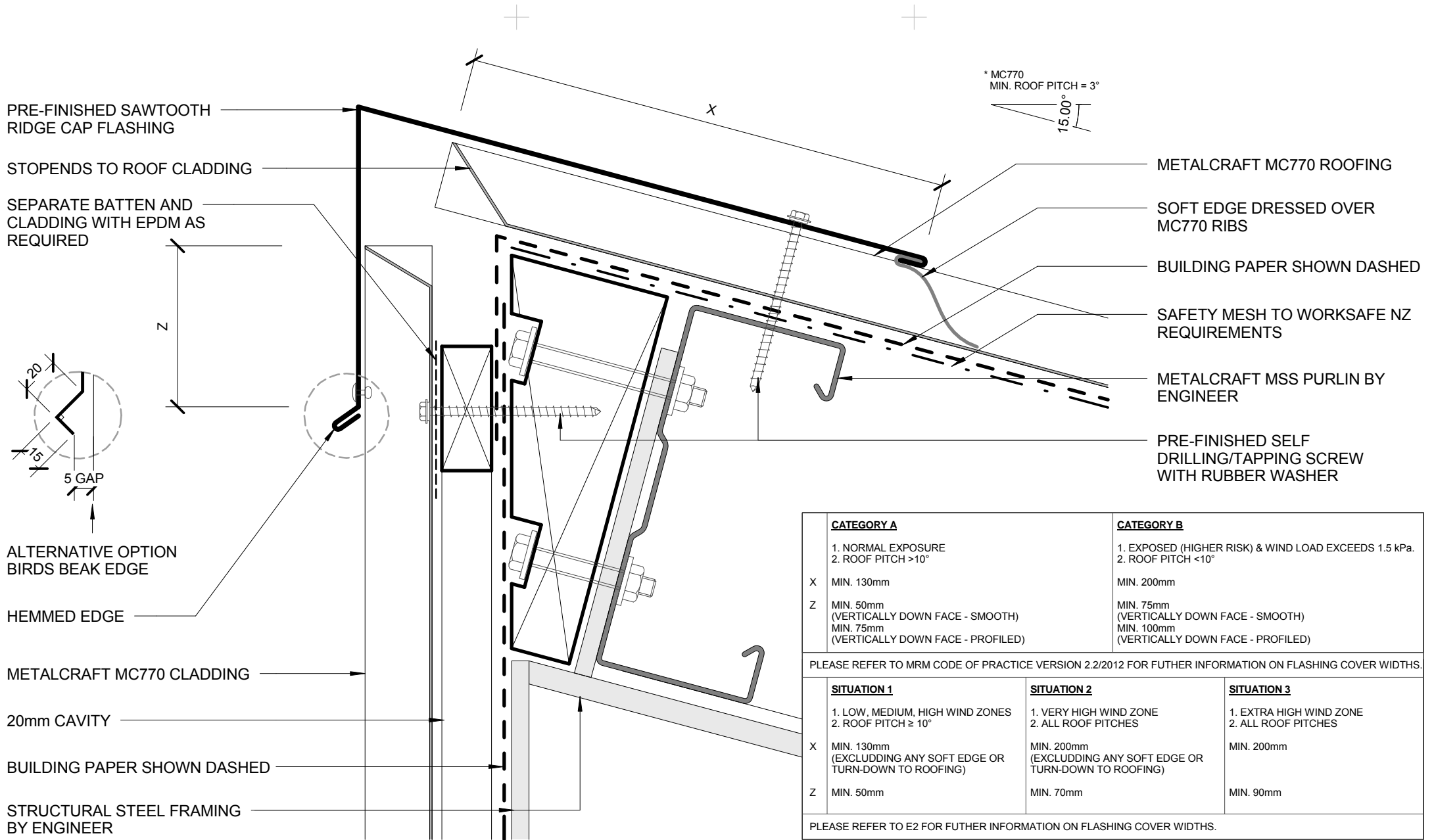
<b>CATEGORY A</b>		<b>CATEGORY B</b>			
1. NORMAL EXPOSURE 2. ROOF PITCH >10°		1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10°			
X	MIN. 130mm		MIN. 200mm		
PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012 FOR FUTHER INFORMATION ON FLASHING COVER WIDTHS.					
<b>SITUATION 1</b>		<b>SITUATION 2</b>		<b>SITUATION 3</b>	
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 (EXCLUDDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)		MIN. 200mm	
PLEASE REFER TO E2 FOR FUTHER INFORMATION ON FLASHING COVER WIDTHS.					



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## RIDGE WITH NON PROFILED APEX COMMERCIAL ROOFING

MC770



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 MC770 CLADDING

20mm CAVITY

BUILDING PAPER SHOWN DASHED

STRUCTURAL STEEL FRAMING BY ENGINEER

\* MC770  
MIN. ROOF PITCH = 3°  
15.00°

METALCRAFT MC770 ROOFING

SOFT EDGE DRESSED OVER MC770 RIBS

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

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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

\* MC770  
 MIN. ROOF PITCH =  $3^\circ$   
 15.00

DIMENSION TO SUIT  
 SUGGEST MIN. 125mm

METALCRAFT MC770 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 MC770 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  
 COMMERCIAL ROOFING



MC770

Reference

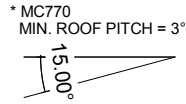
Date 2014

Scale 1 : 2

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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



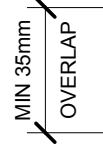
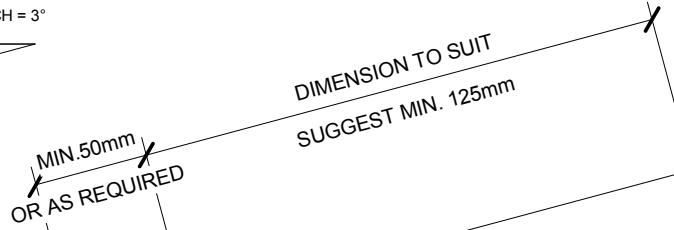
METALCRAFT MC770 ROOFING  
 BUILDING PAPER SHOWN DASHED  
 PRE-FINISHED EAVE FLASHING

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 MC770 CLADDING  
 ON CAVITY

METALCRAFT MSS PURLIN  
 BY ENGINEER



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

MC770

Reference

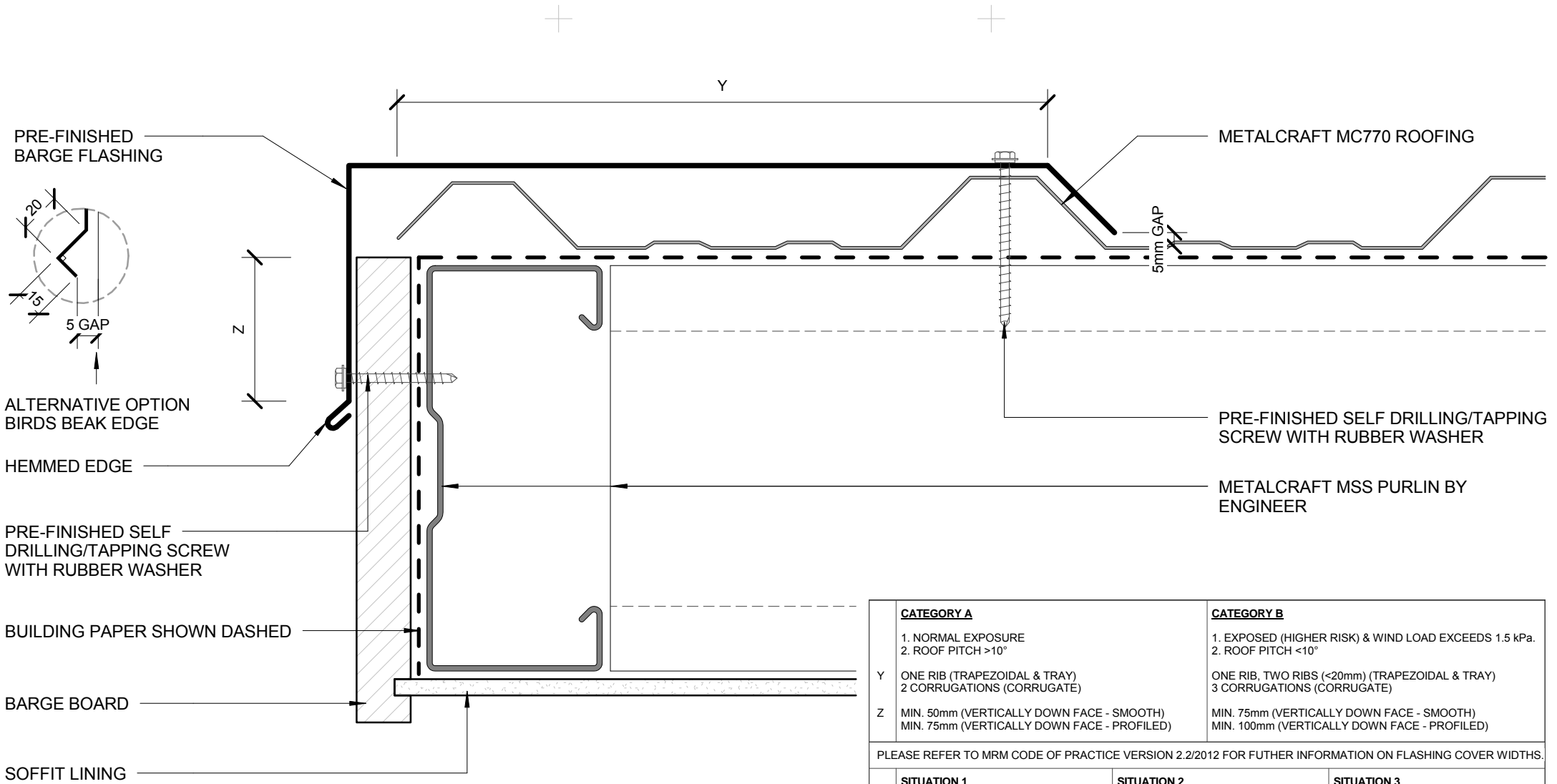
Date 2014

Scale 1 : 2

Sheet

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	<b>CATEGORY A</b>	<b>CATEGORY B</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.			
	<b>SITUATION 1</b>	<b>SITUATION 2</b>	<b>SITUATION 3</b>
	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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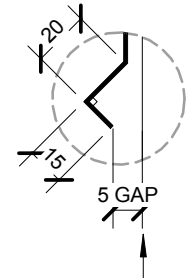
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**BARGE OVERHANG**  
COMMERCIAL ROOFING



MC770

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



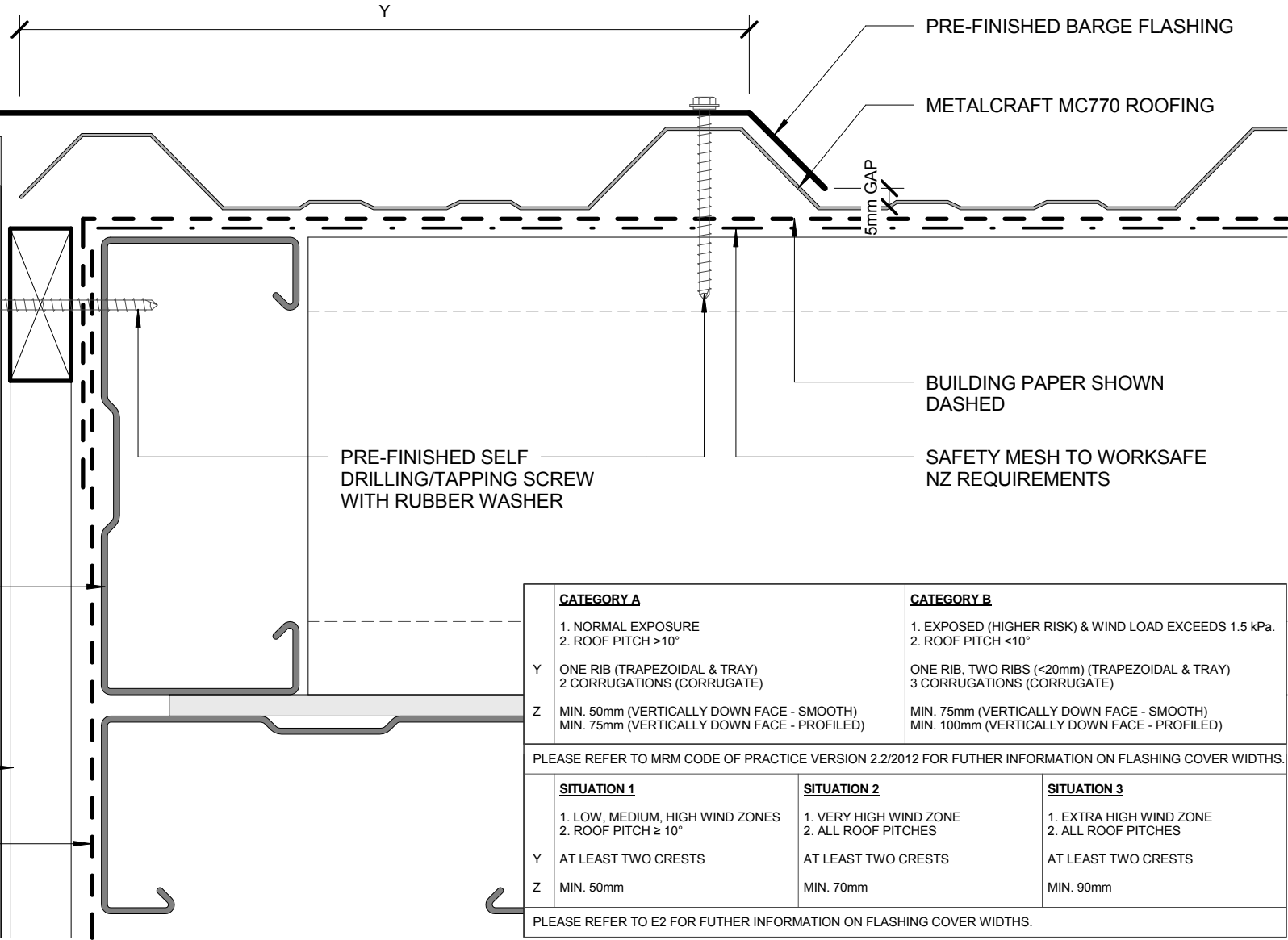
ALTERNATIVE OPTION  
BIRDS BEAK EDGE

METALCRAFT MSS PURLIN  
BY ENGINEER

METALCRAFT MC770 CLADDING

20mm CAVITY

BUILDING PAPER SHOWN  
DASHED



PRE-FINISHED BARGE FLASHING

METALCRAFT MC770 ROOFING

5mm GAP

BUILDING PAPER SHOWN  
DASHED

PRE-FINISHED SELF  
DRILLING/TAPPING SCREW  
WITH RUBBER WASHER

SAFETY MESH TO WORKSAFE  
NZ REQUIREMENTS

<b>CATEGORY A</b>		<b>CATEGORY B</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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<b>SITUATION 1</b>		<b>SITUATION 2</b>	<b>SITUATION 3</b>
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

MC770

Reference

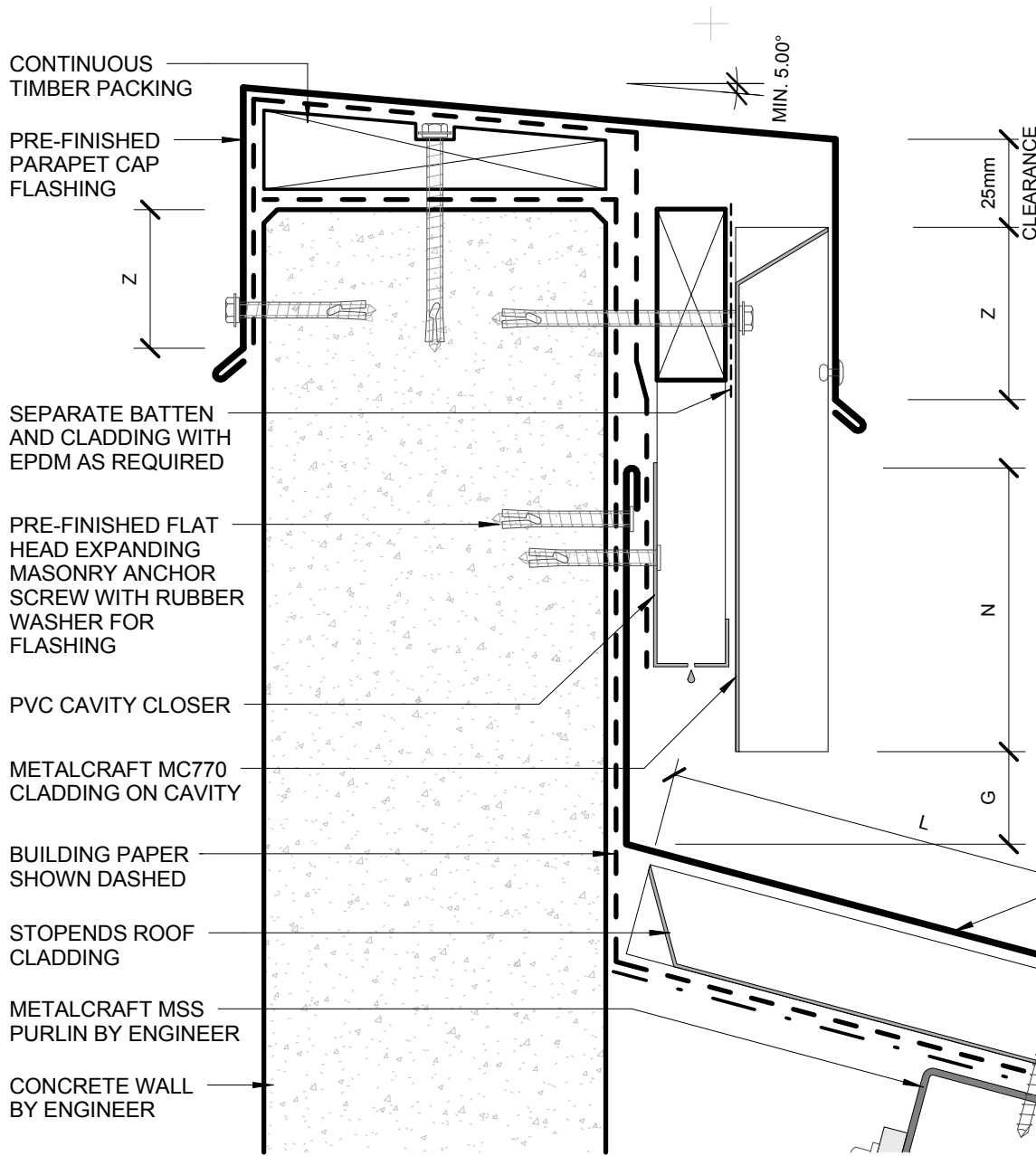
Date 2014

Scale 1 : 2

Sheet

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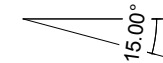
	<b>CATEGORY A</b>	<b>CATEGORY B</b>
	1. NORMAL EXPOSURE 2. ROOF PITCH >10°	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10°
G	25mm	25mm
N	MIN. 50mm + HEM OR 75mm (VERTICALLY UP FACE - SMOOTH) MIN. 75mm + HEM OR 100mm (VERTICALLY UP FACE - PROFILED)	MIN. 75mm + HEM OR 100mm (VERTICALLY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

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

\* MC770  
MIN. ROOF PITCH = 3°



- PRE-FINISHED APRON FLASHING
- PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH RUBBER WASHER
- SOFT EDGE DRESSED OVER MC770 RIBS
- METALCRAFT MC770 ROOFING
- SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

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## PARAPET WITH TRANSVERSE APRON COMMERCIAL ROOFING

MC770

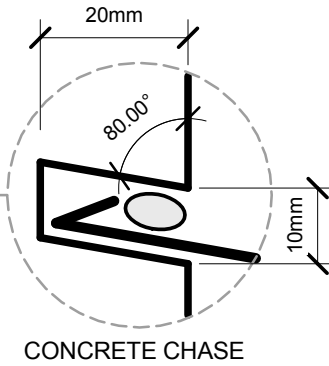
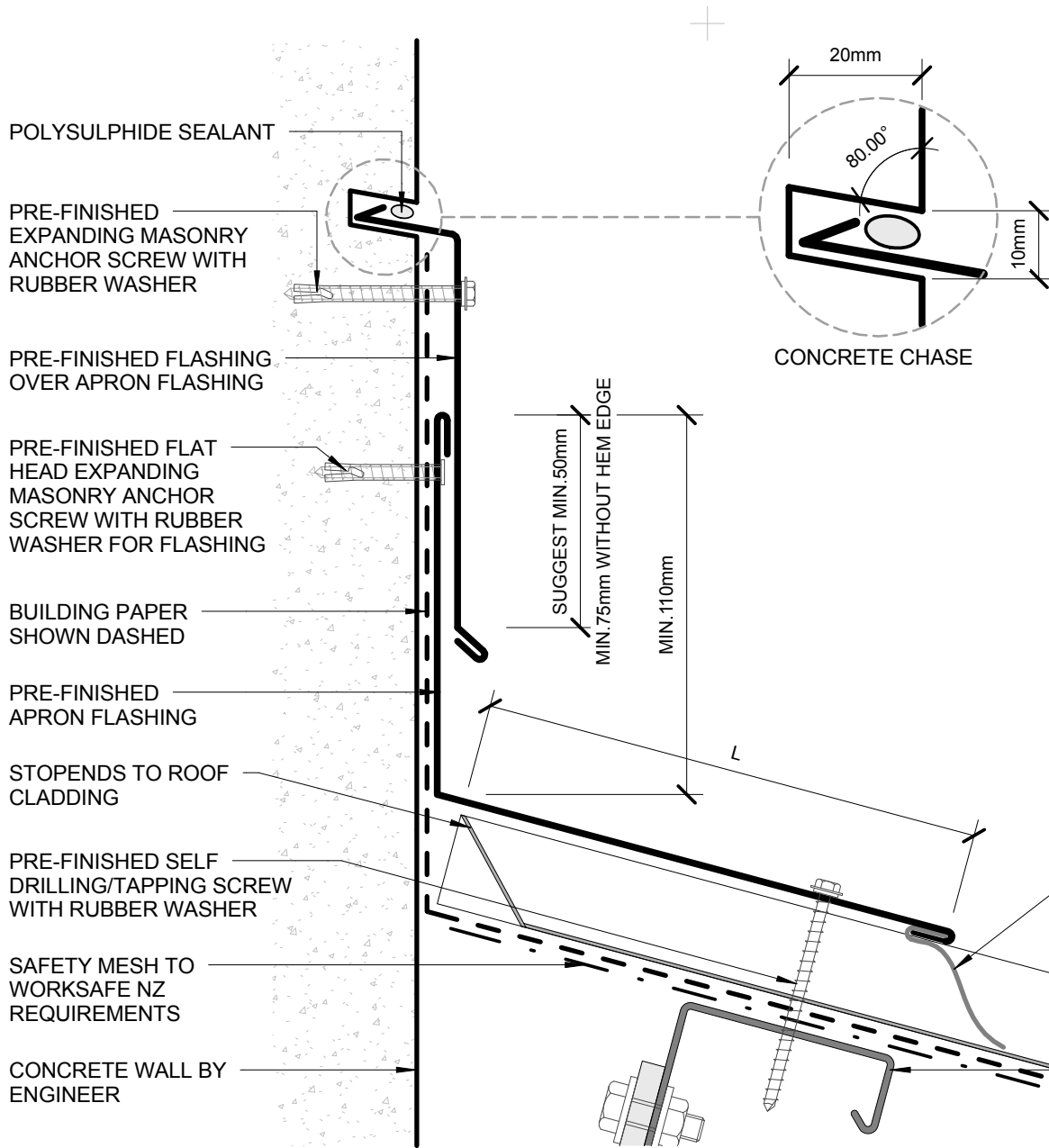
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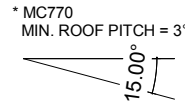
Scale 1 : 2

Sheet

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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°	
L	MIN. 150mm	MIN. 200mm	
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
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
PLEASE REFER TO E2 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.			

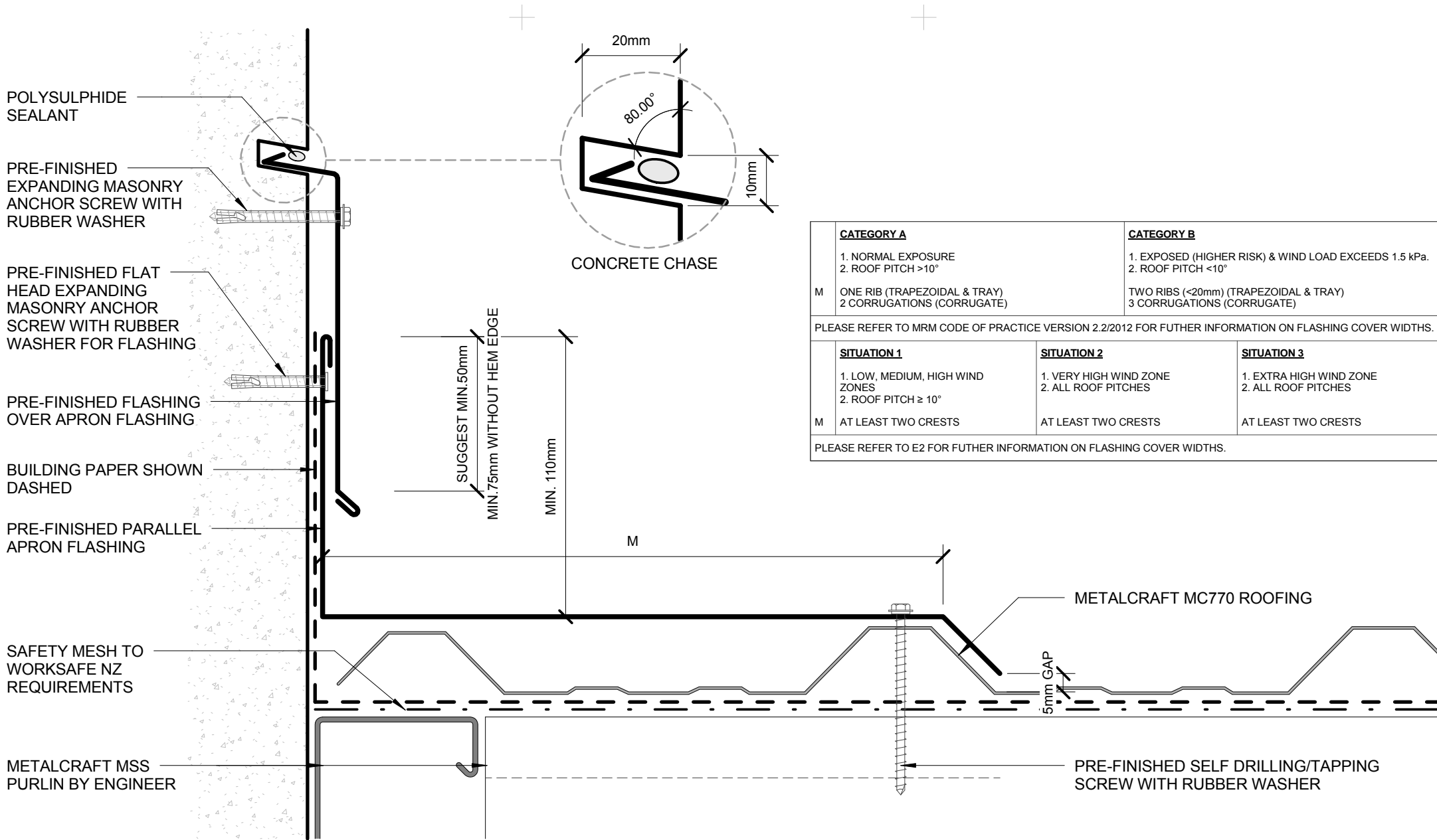


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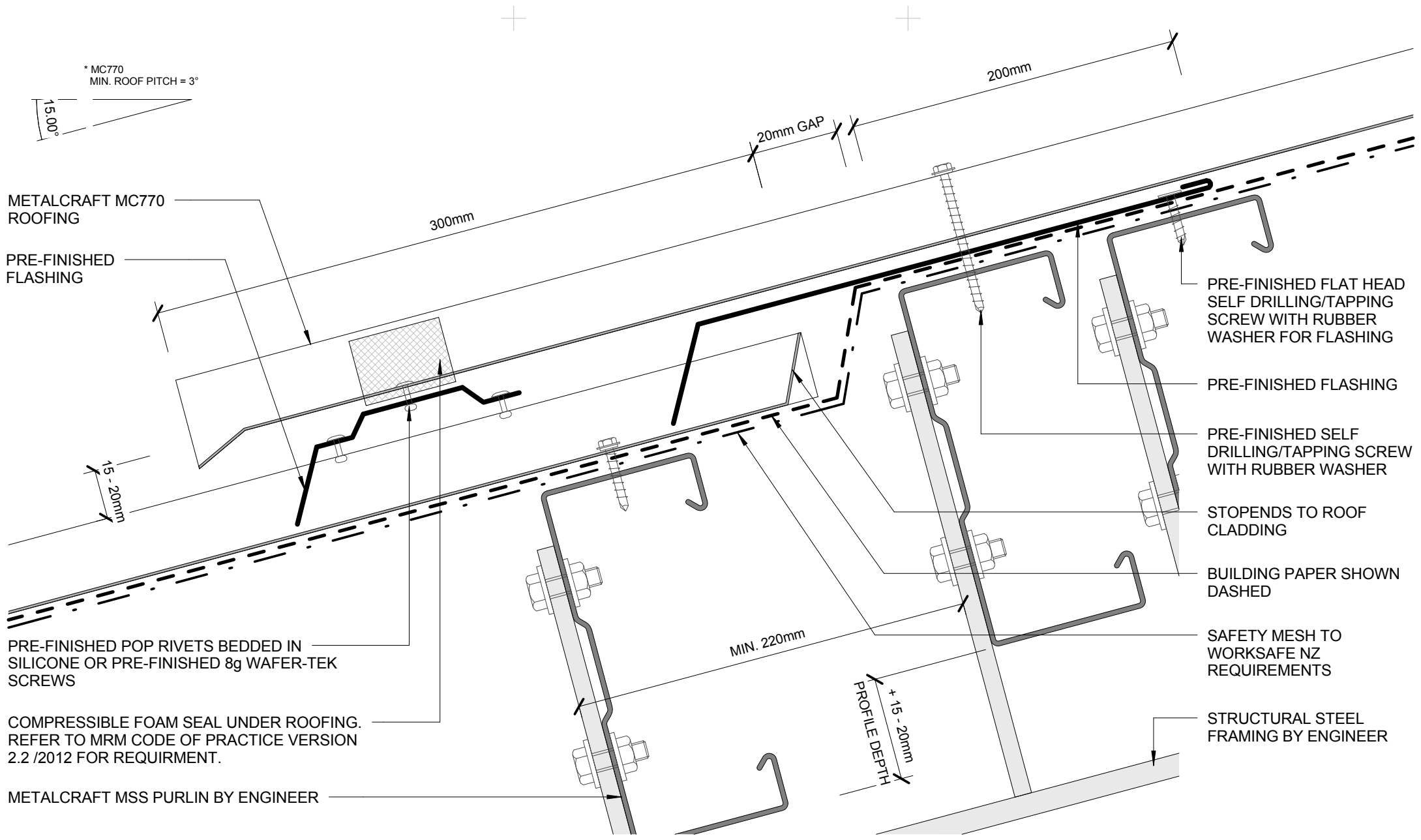
SOFT EDGE DRESSED OVER MC770 RIBS  
METALCRAFT MC770 ROOFING  
METALCRAFT MSS PURLIN BY ENGINEER



<b>CATEGORY A</b>		<b>CATEGORY B</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)
PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.		
<b>SITUATION 1</b>	<b>SITUATION 2</b>	<b>SITUATION 3</b>
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
PLEASE REFER TO E2 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.		

- 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.



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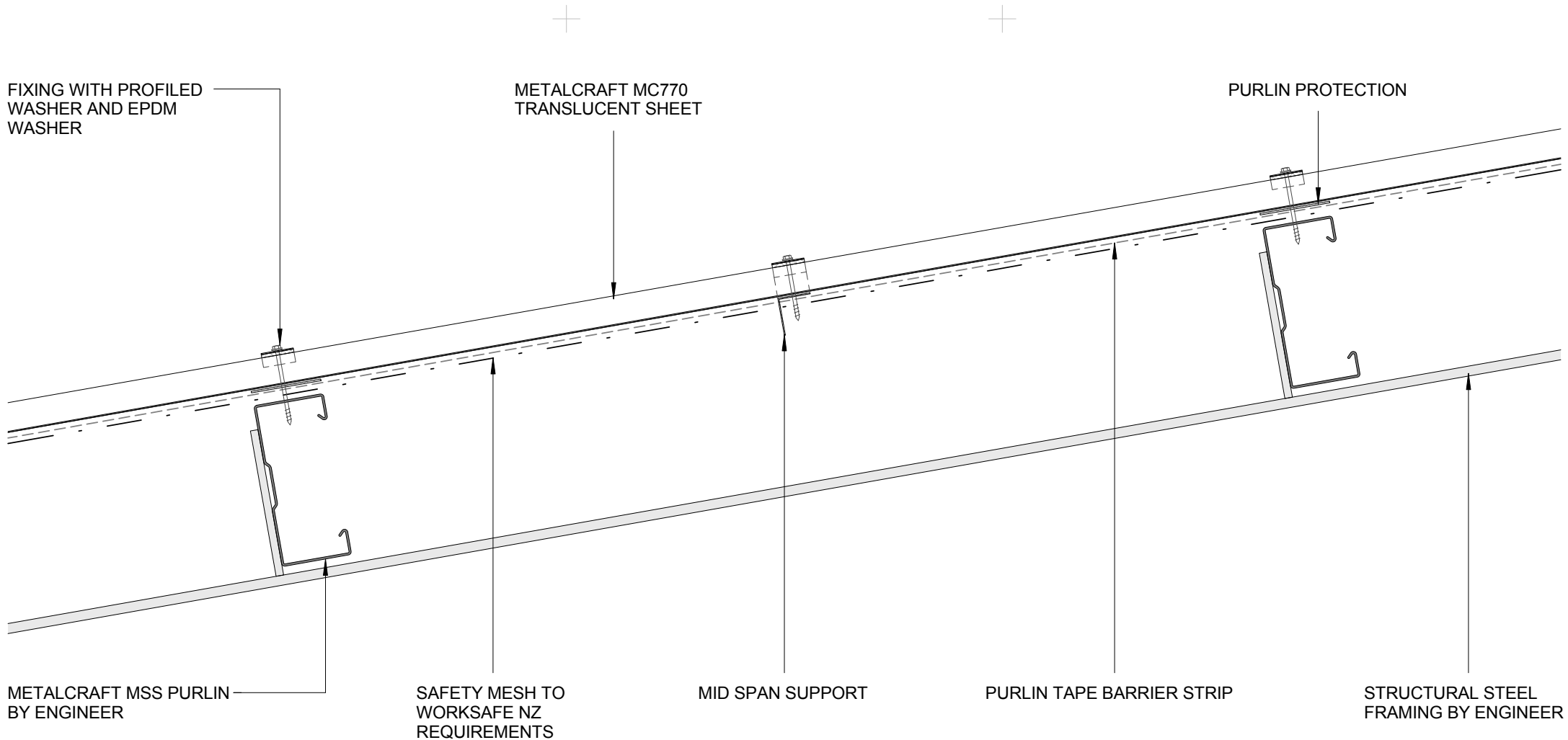
\* - PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2 /2012 AS MINIMUM PITCH WILL INCREASE DEPENDING ON SHEET LENGTH.

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**ROOF STEP**  
**COMMERCIAL ROOFING**



MC770



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## TRANSLUCENT SHEETS - LONG SECTION

COMMERCIAL ROOFING

MC770

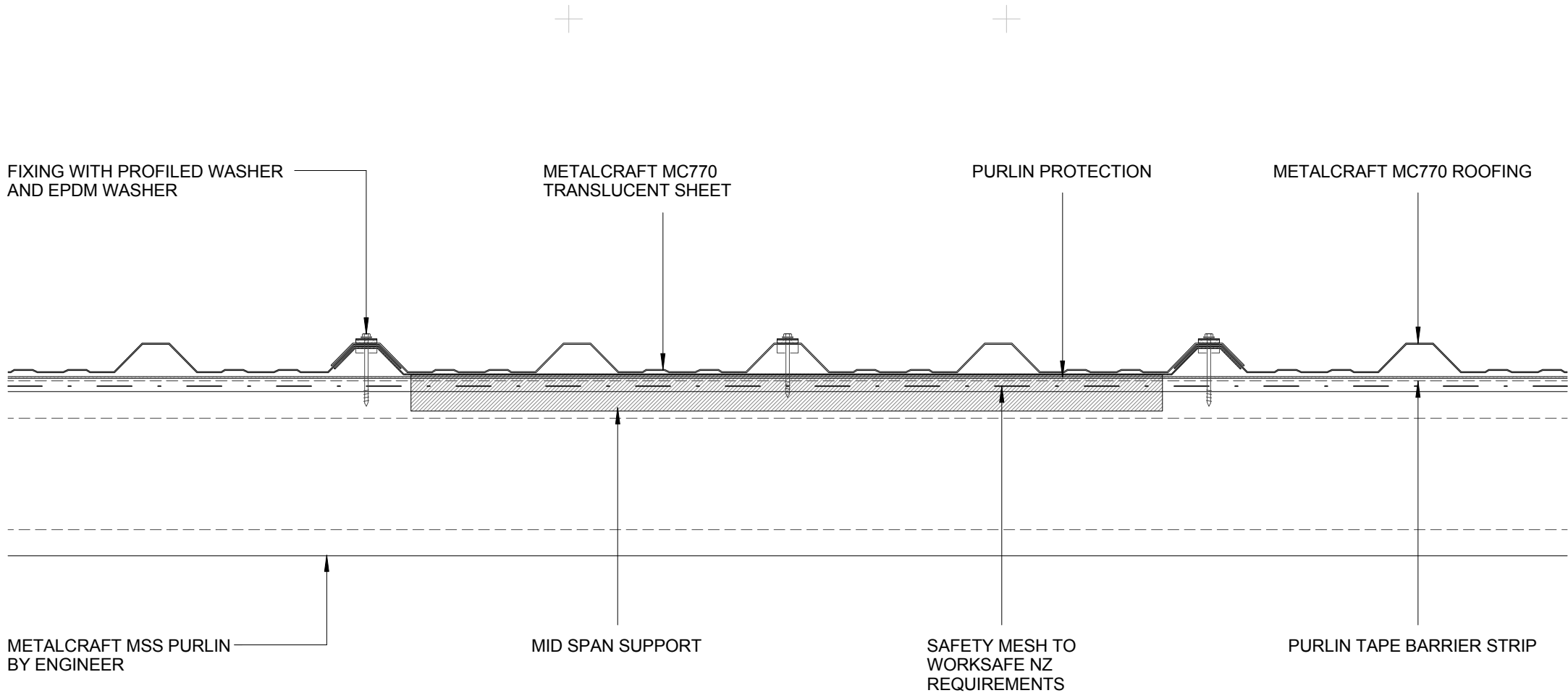
Reference

Date 2014

Scale 1 : 5

Sheet

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## TRANSLUCENT SHEETS - CROSS

COMMERCIAL ROOFING

MC770

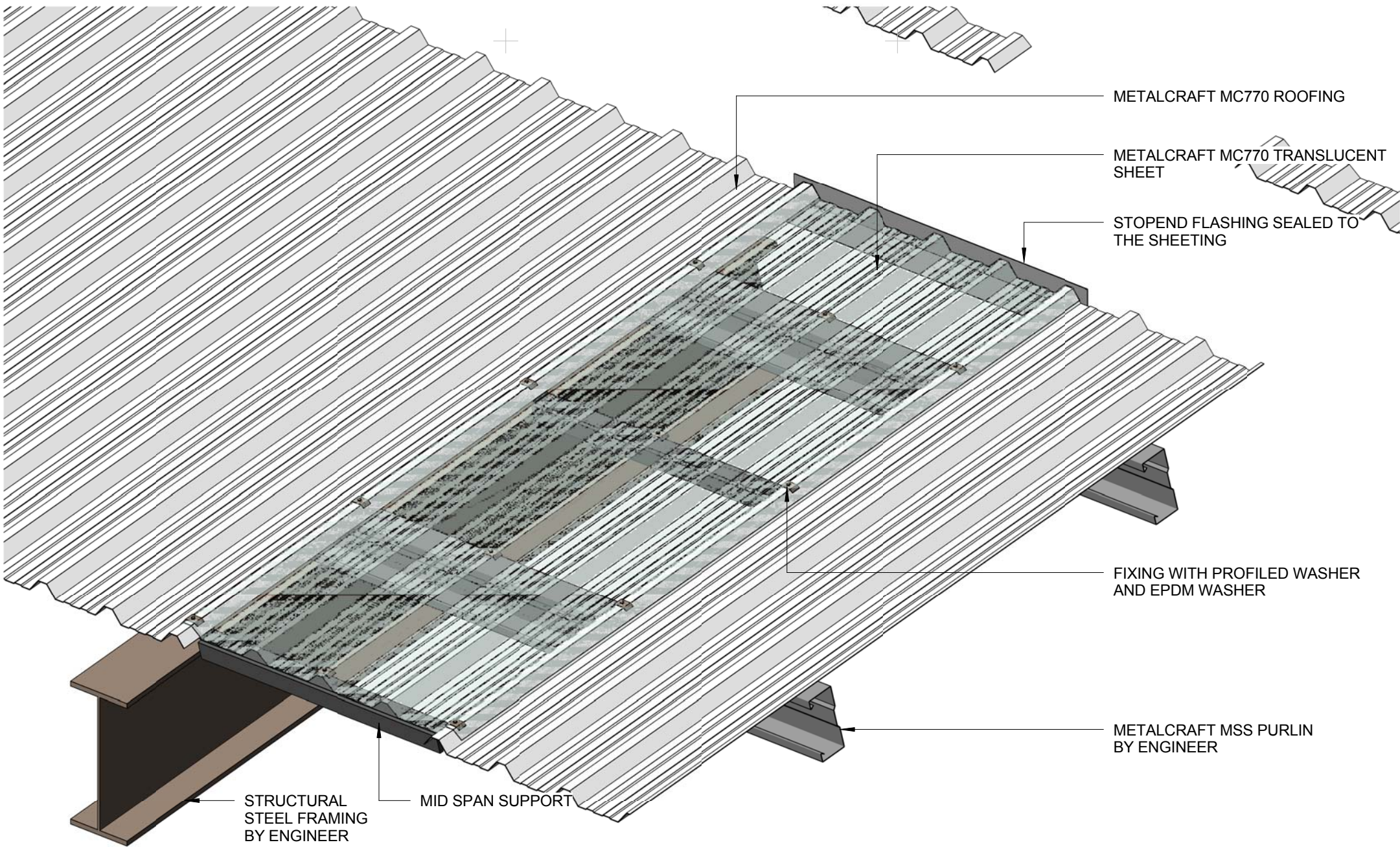
Reference

Date 2014

Scale 1 : 5

Sheet

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METALCRAFT MC770 ROOFING

METALCRAFT MC770 TRANSLUCENT SHEET

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

MC770

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Reference

Date 2014

Scale

Sheet

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