

MC700

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

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

Architectural / Specification Enquiries

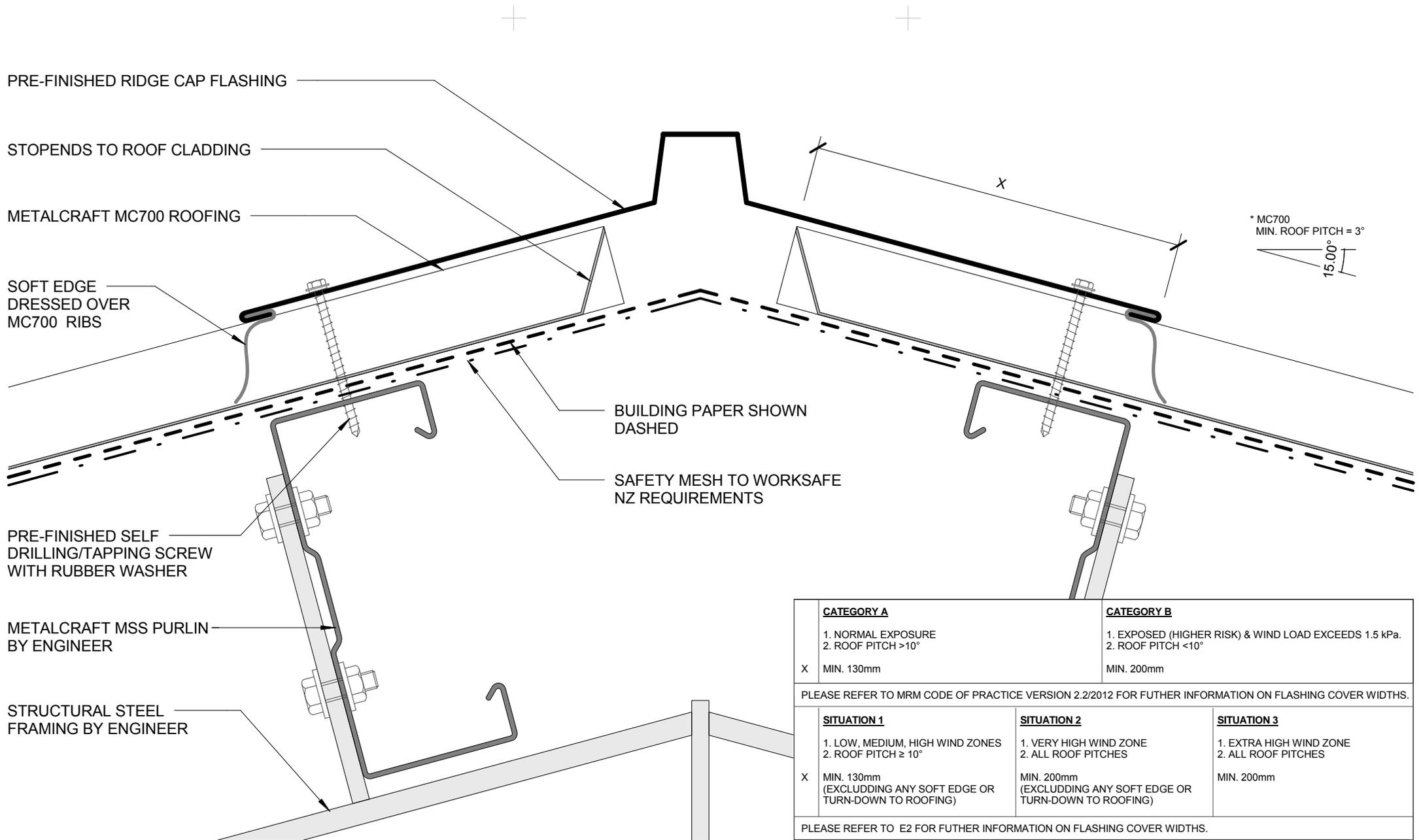
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Metalcraft
Roofing



- 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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MC700

RIDGE WITH PROFILED APEX
COMMERCIAL ROOFING

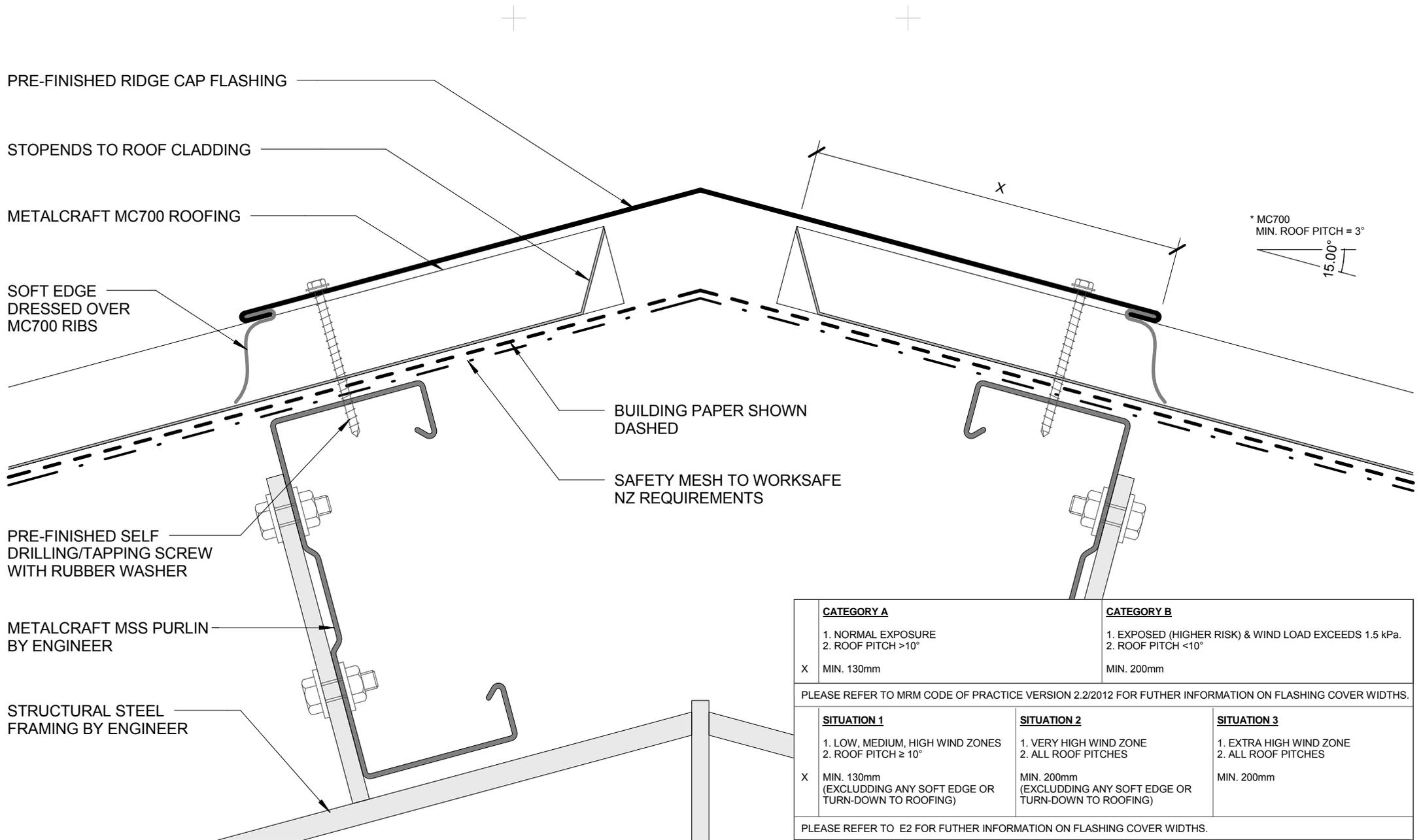
Reference

Date 2014

Scale 1 : 2

Sheet

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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 FUTURE INFORMATION ON FLASHING COVER WIDTHS.			

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RIDGE WITH NON PROFILED APEX COMMERCIAL ROOFING

MC700

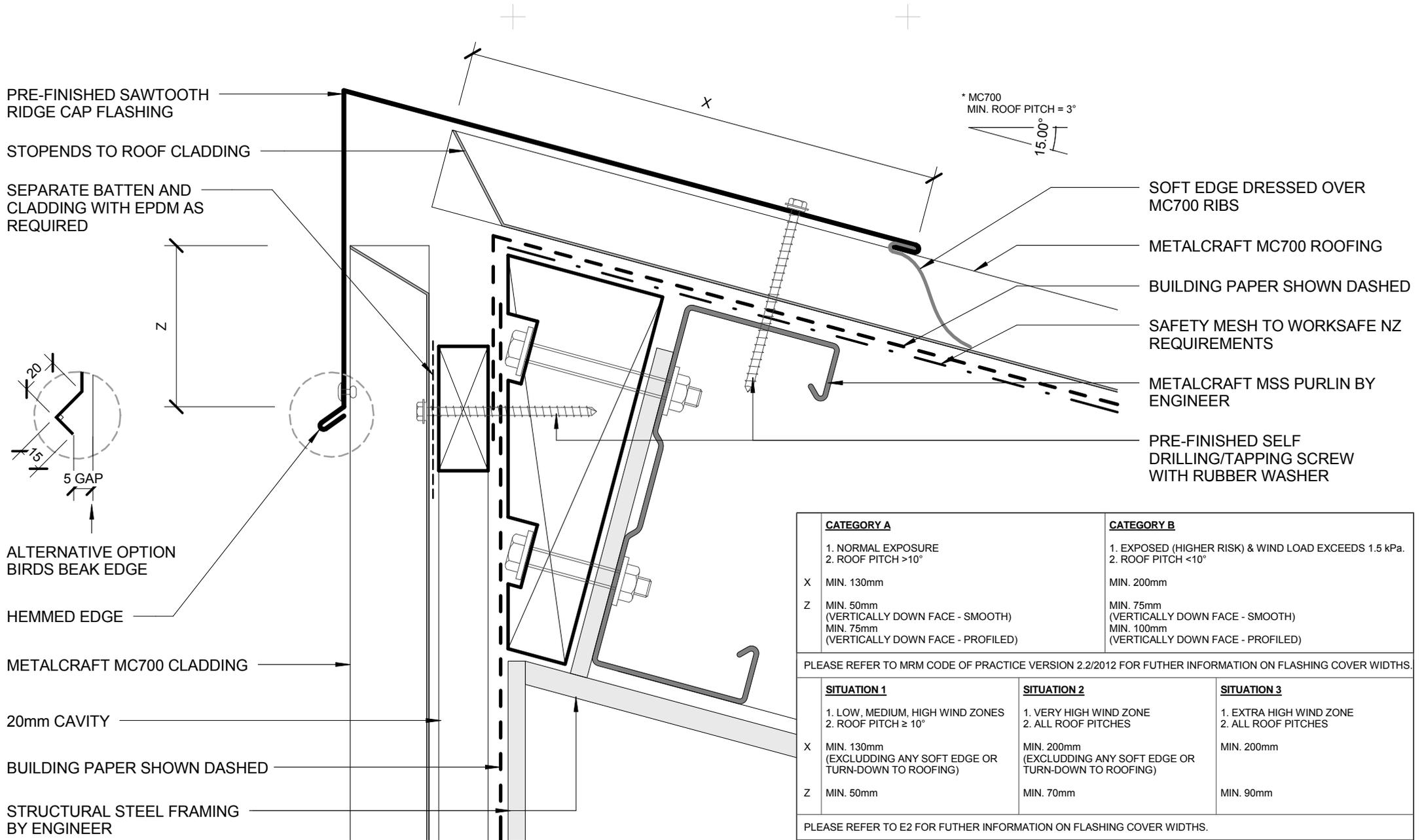
Reference

Date 2014

Scale 1 : 2

Sheet

02 / 14



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 MC700 CLADDING

20mm CAVITY

BUILDING PAPER SHOWN DASHED

STRUCTURAL STEEL FRAMING BY ENGINEER

* MC700
MIN. ROOF PITCH = 3°

15.00°

SOFT EDGE DRESSED OVER MC700 RIBS

METALCRAFT MC700 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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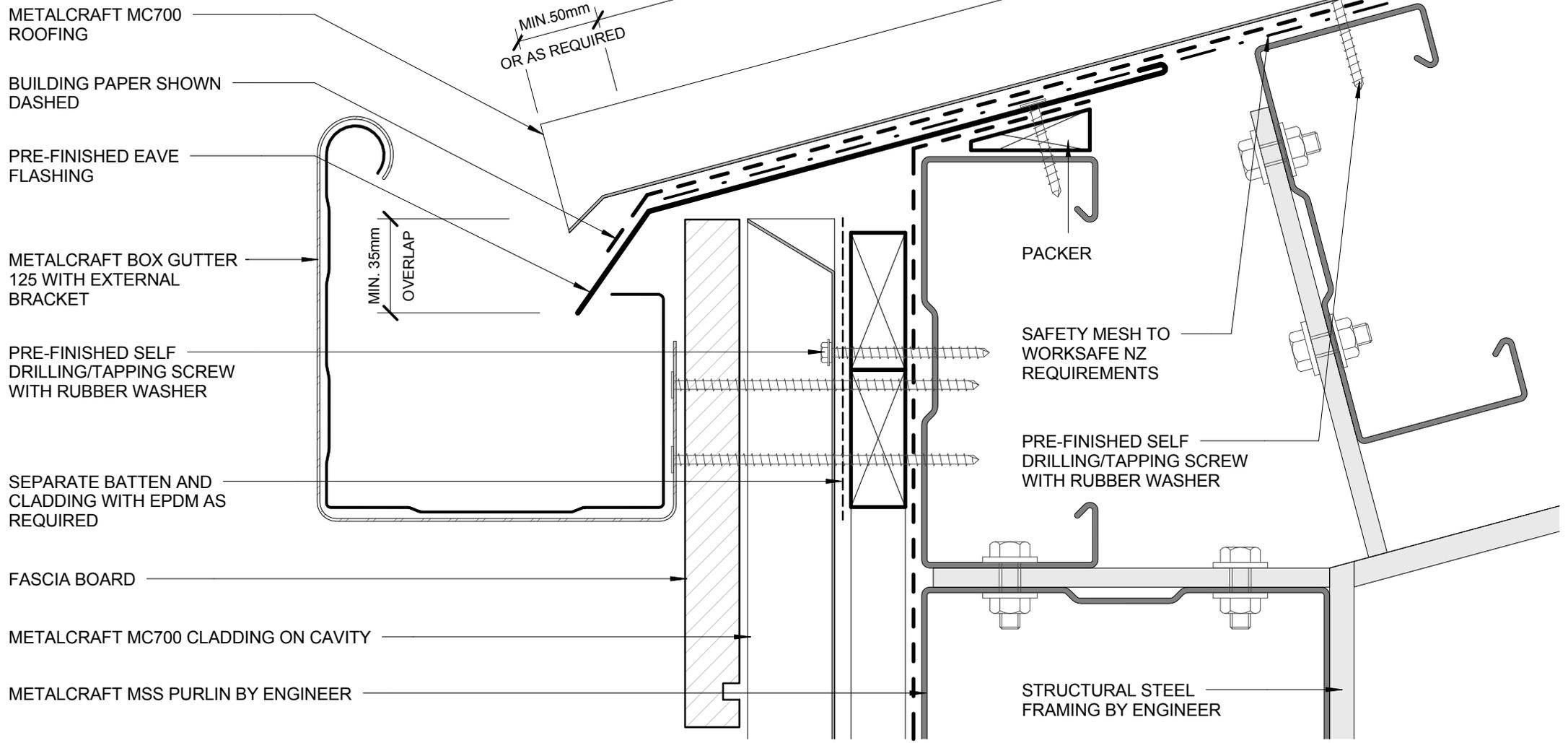
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EAVE FLASHING REQUIRED WHEN
 - ROOF PITCH $\leq 10^\circ$, OR
 - SOFFIT WIDTH $\leq 100\text{mm}$, OR
 - WIND ZONES = VERY HIGH OR EXTRA HIGH OR
 - ENGINEER SPECIFIC DESIGN

* MC700
 MIN. ROOF PITCH = 3°
 15.00°

DIMENSION TO SUIT
 SUGGEST MIN. 125mm



METALCRAFT MC700 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 MC700 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 EXTERNAL GUTTER BRACKET
 COMMERCIAL ROOFING



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

* MC700
 MIN. ROOF PITCH = 3°



METALCRAFT MC700
 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 MC700 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

MC700

Reference

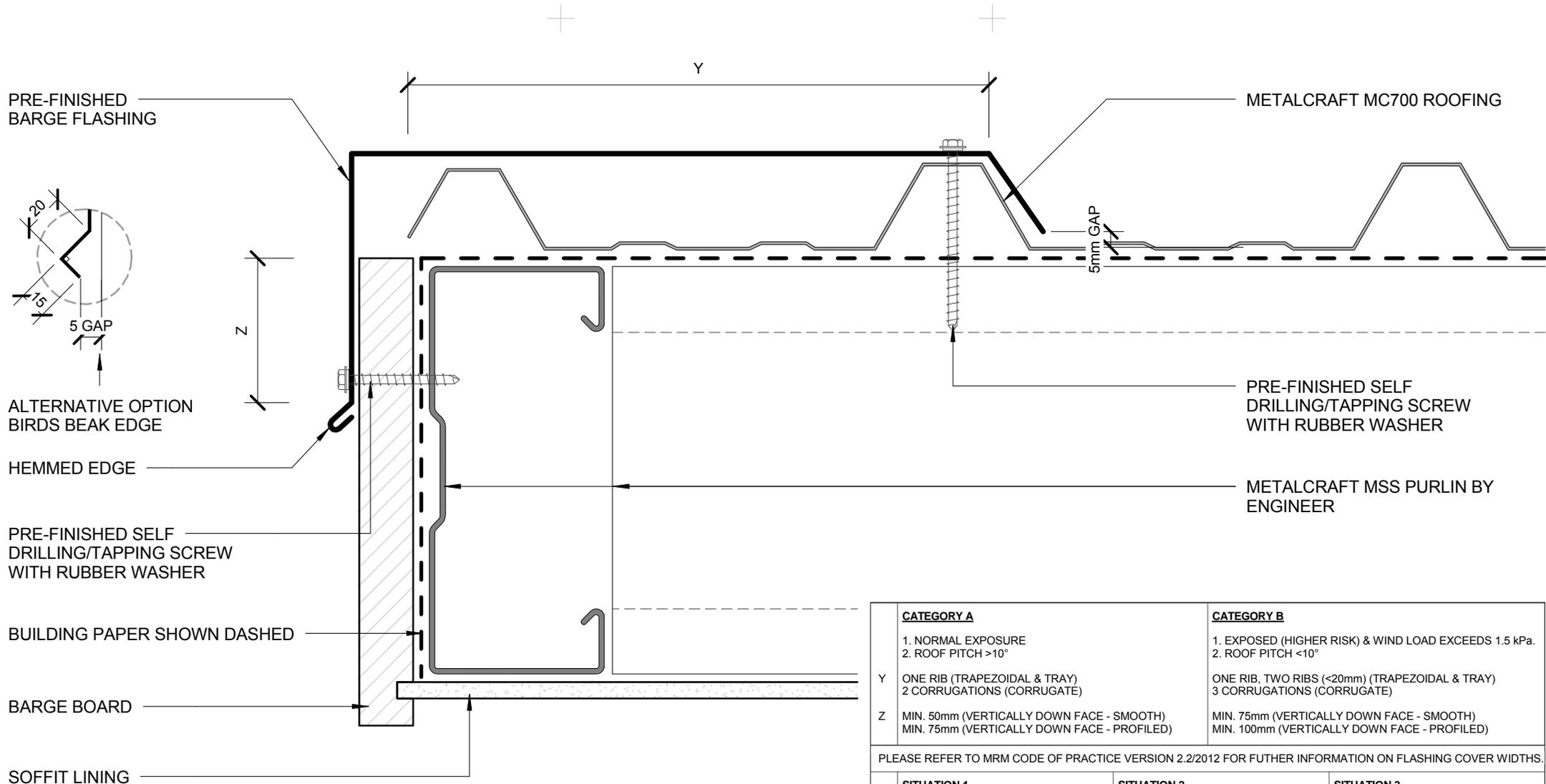
Date 2014

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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°	
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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MC700

BARGE OVERHANG
COMMERCIAL ROOFING

Reference

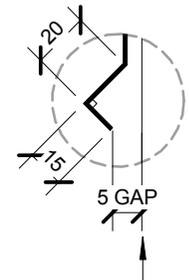
Date 2014

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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 MC700 CLADDING

20mm CAVITY

BUILDING PAPER SHOWN DASHED



PRE-FINISHED BARGE FLASHING

METALCRAFT MC700 ROOFING

5mm GAP

BUILDING PAPER SHOWN DASHED

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH RUBBER WASHER

<u>CATEGORY A</u>		<u>CATEGORY B</u>			
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 FURTHER INFORMATION ON FLASHING COVER WIDTHS.					
<u>SITUATION 1</u>		<u>SITUATION 2</u>		<u>SITUATION 3</u>	
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

MC700

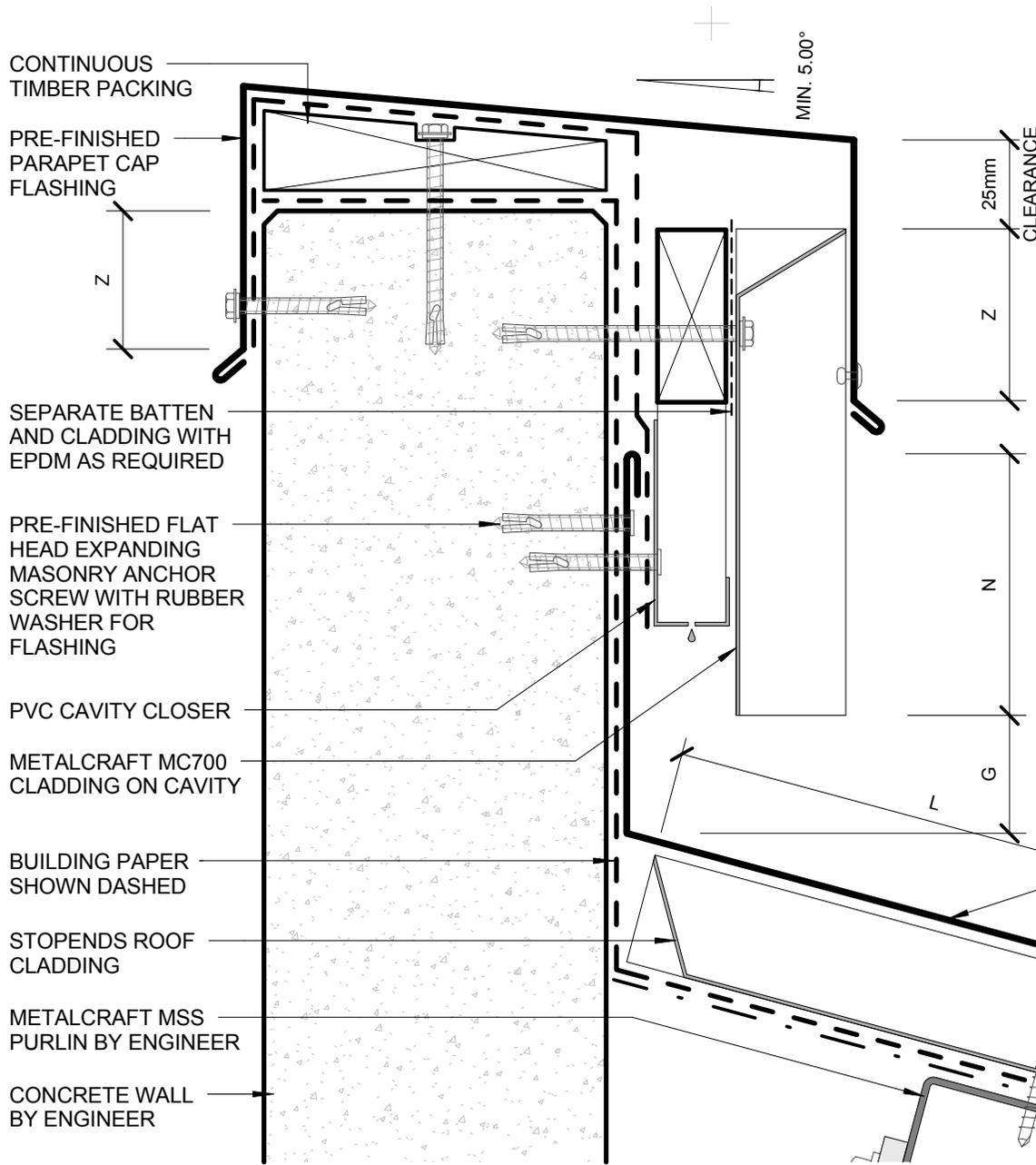
Reference

Date 2014

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°
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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	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.

* MC700
MIN. ROOF PITCH = 3°



- PRE-FINISHED APRON FLASHING
- PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH RUBBER WASHER
- METALCRAFT MC700 ROOFING
- SOFT EDGE DRESSED OVER MC700 RIBS
- SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

PARAPET WITH TRANSVERSE APRON COMMERCIAL ROOFING

MC700

Reference

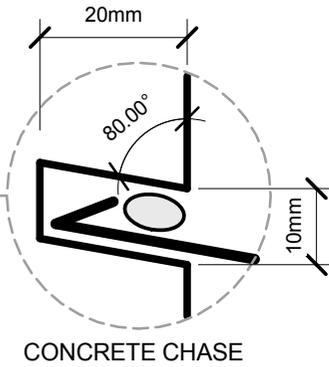
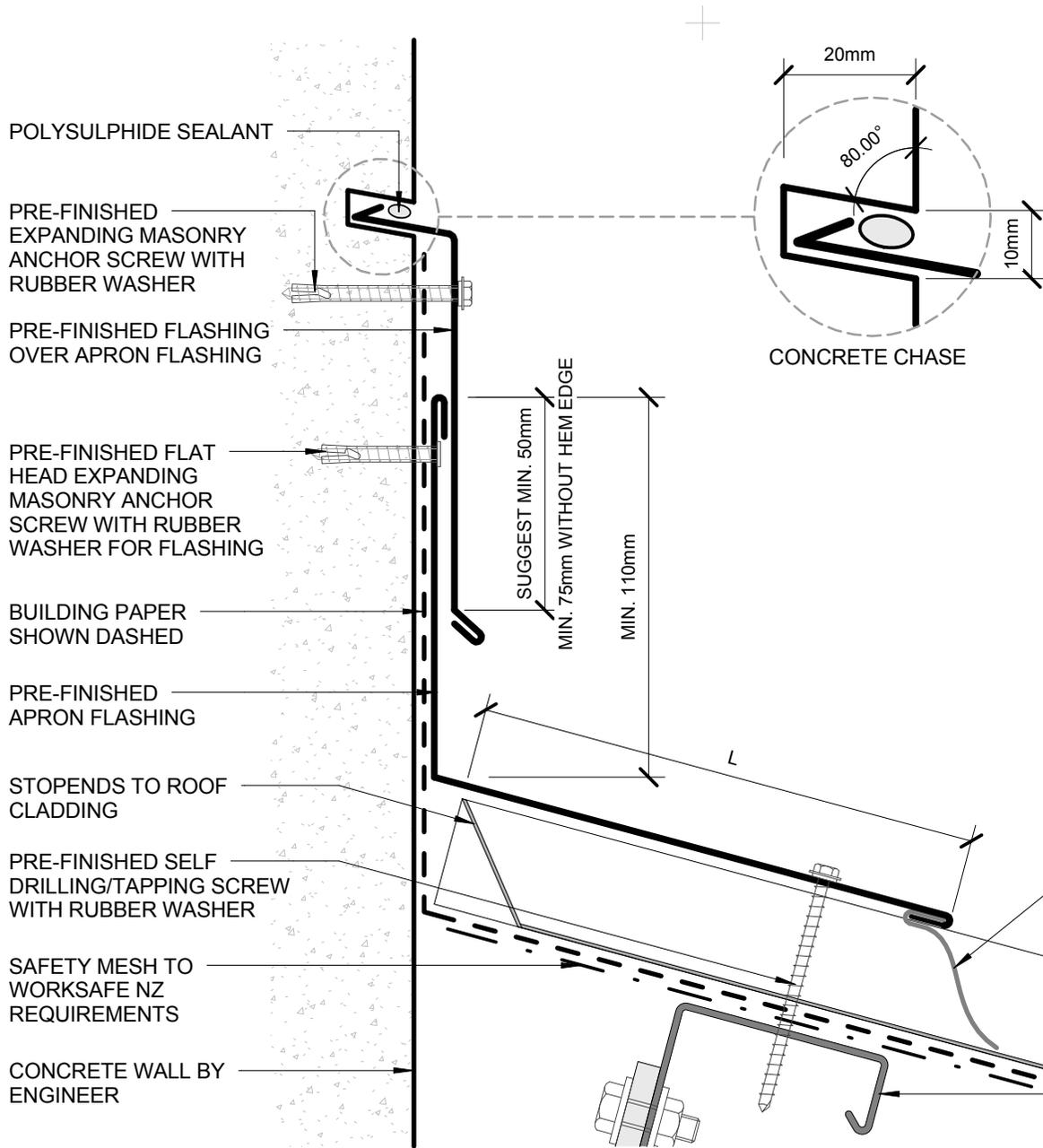
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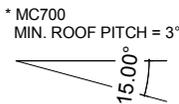
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08 / 14

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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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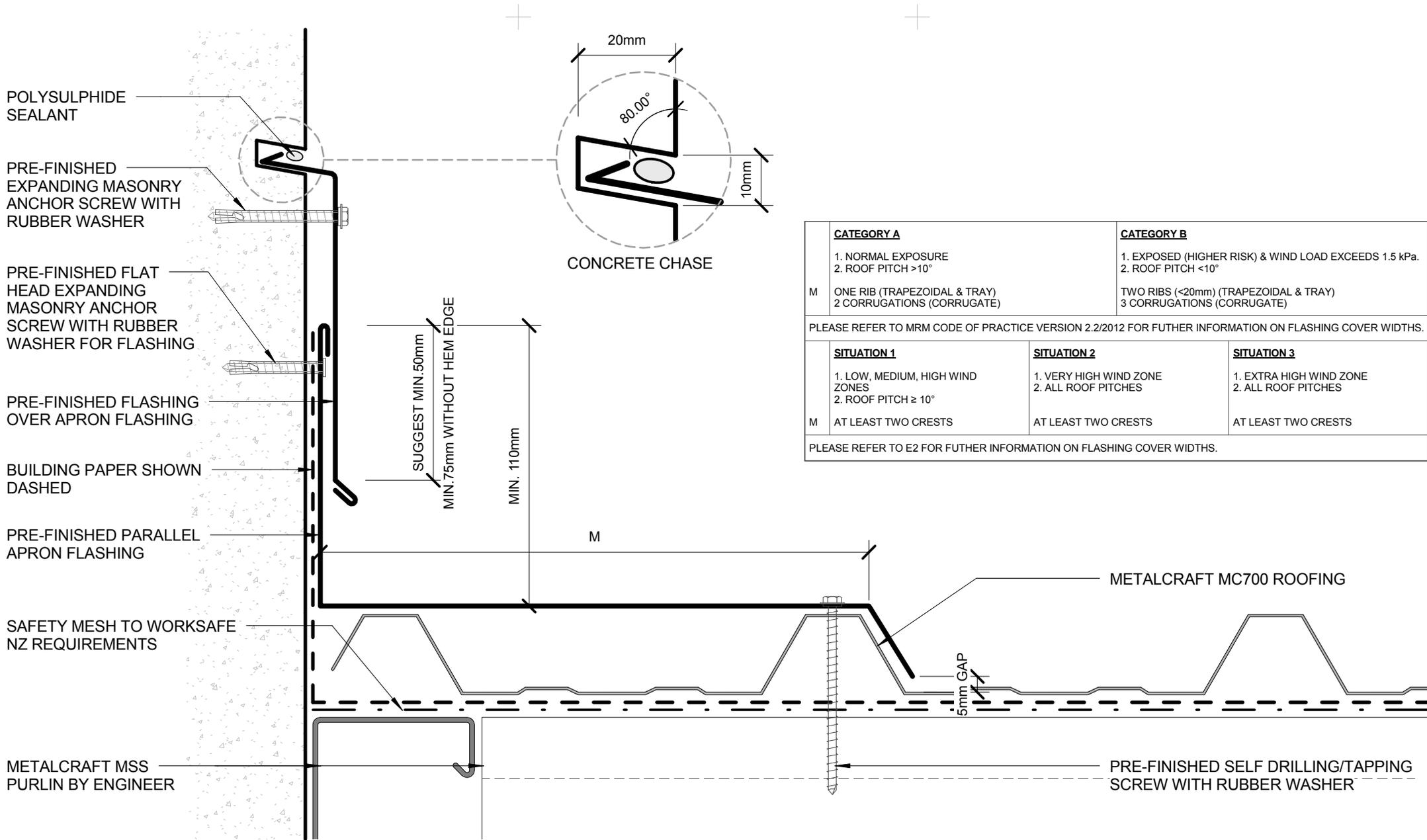
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SOFT EDGE DRESSED OVER MC700 RIBS
METALCRAFT MC700 ROOFING
METALCRAFT MSS PURLIN BY ENGINEER

TRANSVERSE APRON
COMMERCIAL ROOFING

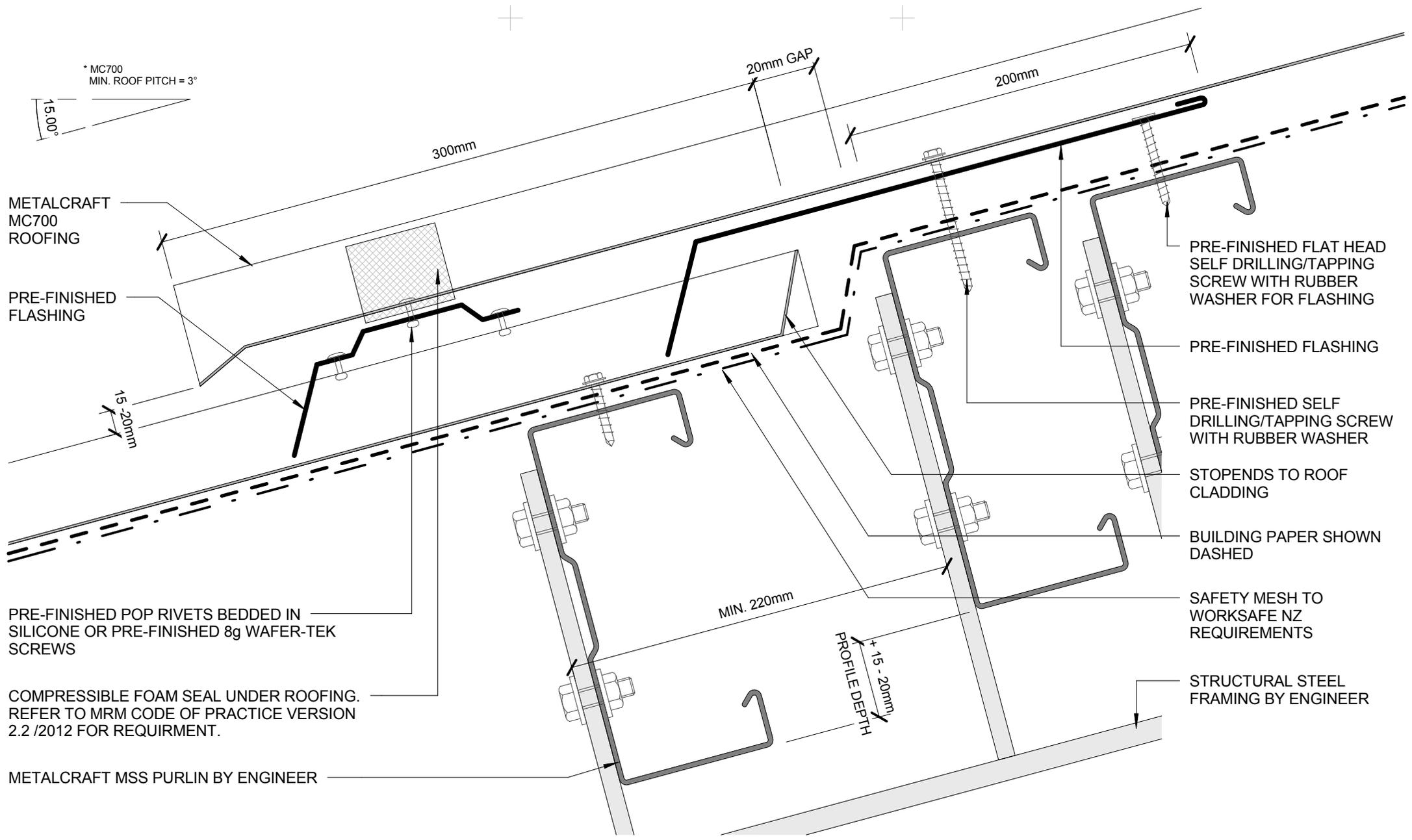




CATEGORY A		CATEGORY B
1. NORMAL EXPOSURE 2. ROOF PITCH >10°		1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10°
M	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS (CORRUGATE)	TWO RIBS (<20mm) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS (CORRUGATE)
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SITUATION 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
PLEASE REFER TO E2 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.		

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MIN. ROOF PITCH = 3°

METALCRAFT
MC700
ROOFING

PRE-FINISHED
FLASHING

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

COMPRESSIBLE FOAM SEAL UNDER ROOFING.
REFER TO MRM CODE OF PRACTICE VERSION
2.2 /2012 FOR REQUIRMENT.

METALCRAFT MSS PURLIN BY ENGINEER

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

PRE-FINISHED FLASHING

PRE-FINISHED SELF
DRILLING/TAPPING SCREW
WITH RUBBER WASHER

STOPENDS TO ROOF
CLADDING

BUILDING PAPER SHOWN
DASHED

SAFETY MESH TO
WORKSAFE NZ
REQUIREMENTS

STRUCTURAL STEEL
FRAMING BY ENGINEER

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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.

MC700

Reference

Date 2014

Scale 1 : 2

ROOF STEP
COMMERCIAL ROOFING

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FIXING WITH PROFILED
WASHER AND EPDM
WASHER

METALCRAFT MC700
TRANSLUCENT SHEET

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

- 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.

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TRANSLUCENT SHEETS - LONG SECTION

COMMERCIAL ROOFING

MC700

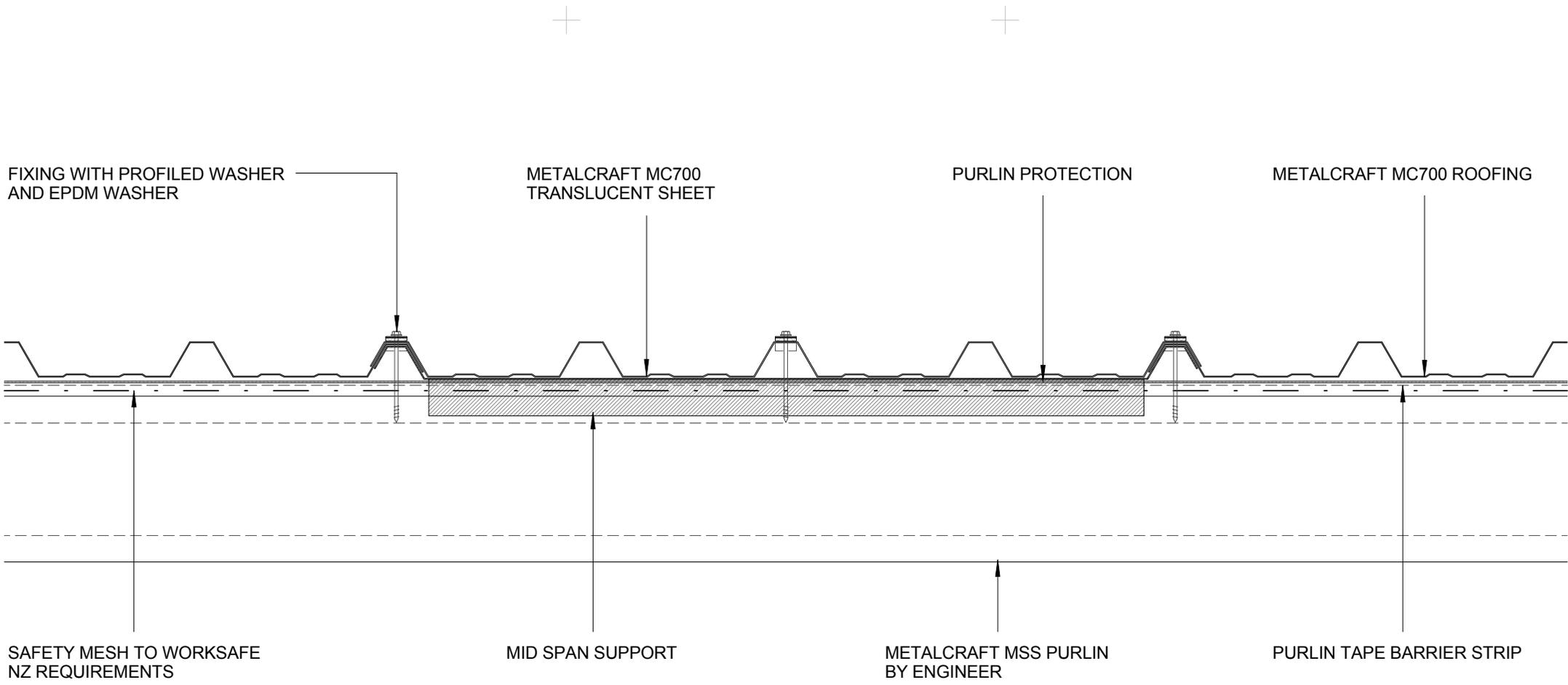
Reference

Date 2014

Scale 1 : 5

Sheet

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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.

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TRANSLUCENT SHEETS - CROSS
COMMERCIAL ROOFING



MC700

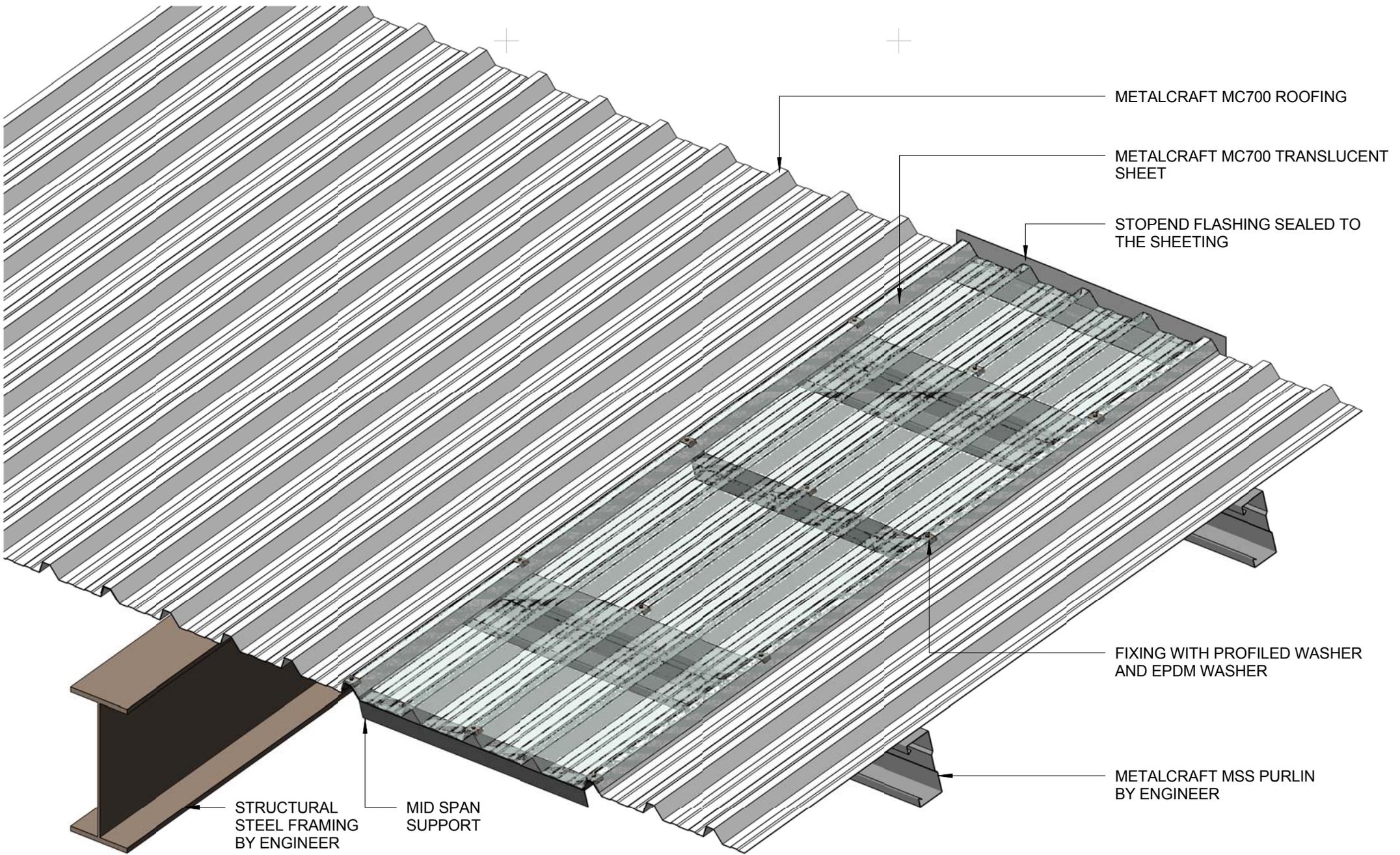
Reference

Date 2014

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3D TRANSLUCENT SHEETS
COMMERCIAL ROOFING