

MC770

RESIDENTIAL ROOFING

DETAIL LIST

00 / 24	COVER SHEET
01 / 24	ROOF RIDGE
02 / 24	SAWTOOTH RIDGE
03 / 24	SAWTOOTH EAVE
04 / 24	ROOF VALLEY
05 / 24	ROOF - CHANGE PITCH
06 / 24	EAVE WITH METALLINE FASCIA
07 / 24	EAVE WITH INTERNAL GUTTER BRACKET
08 / 24	EAVE WITH SNOW STRAP
09 / 24	FLUSH EAVE WITH INTERNAL GUTTER BRACKET
10 / 24	FLUSH EAVE WITH EXTERNAL GUTTER BRACKET
11 / 24	BARGE WITH PROFILED CLADDING
12 / 24	BARGE OVERHANG
13 / 24	PARAPET WITH TRANSVERSE APRON
14 / 24	TRANSVERSE APRON
15 / 24	PARALLEL APRON
16 / 24	MAX. 85mm DIAMETER PIPE PENETRATION
17 / 24	OVER 85mm DIAMETER PIPE PENETRATION
18 / 24	3D-RIDGE TO BARGE JUCTION
19 / 24	3D-DUTCH GABLE
20 / 24	3D-APRON
21 / 24	3D-OVER 85mm DIAMETER PIPE PENETRATION
22 / 24	3D-CHIMNEY PENETRATION
23 / 24	3D-RIDGE/BARGE FLASHINGS
24 / 24	3D-DUTCH GABLE FLASHINGS

RRMC770

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

Architectural / Specification Enquiries

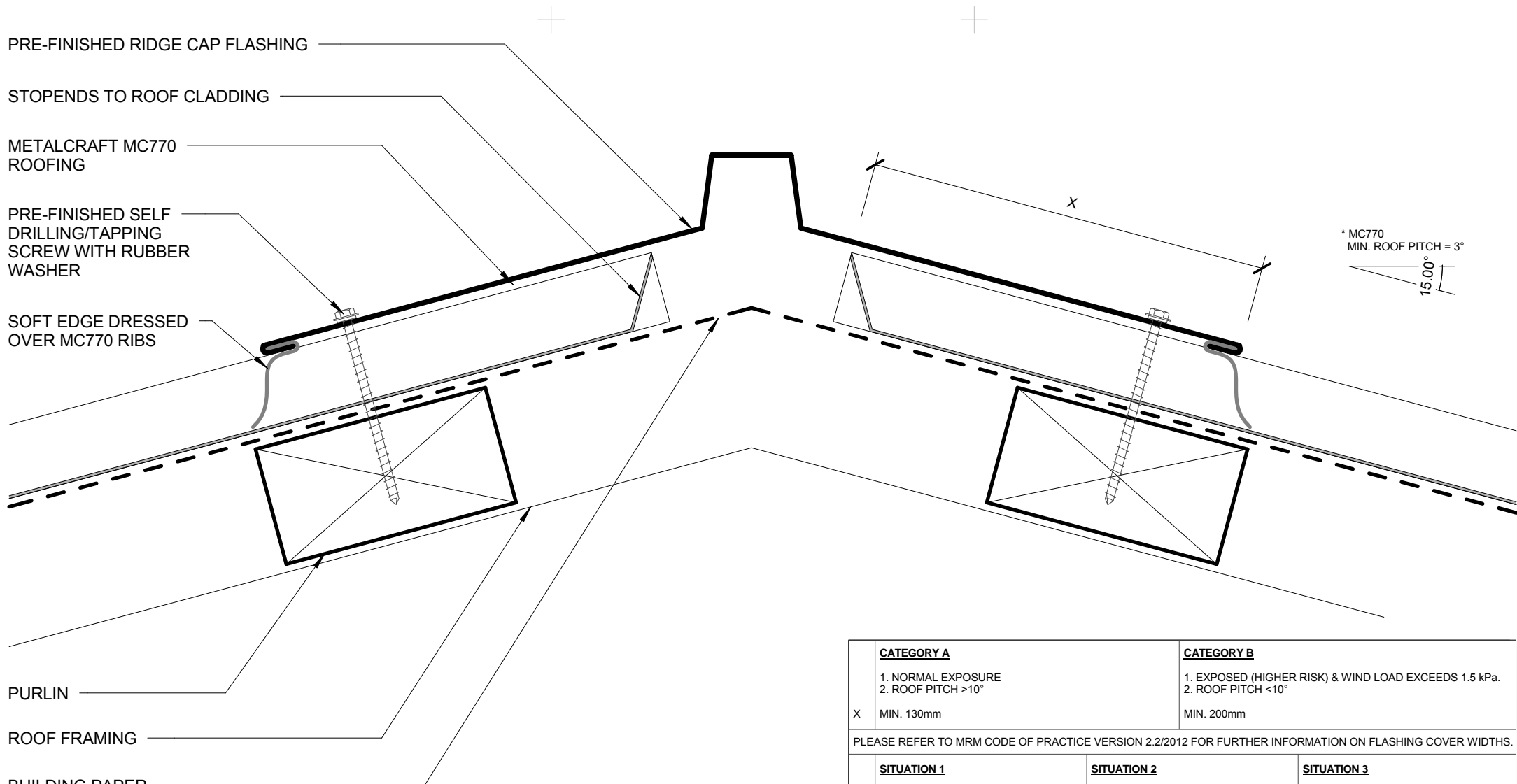
Ph: 09 274 0408

Mobile: 027 603 1096

Email: Frances.charles@unitedindustries.co.nz



Metalcraft
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°			
X	MIN. 130mm	X	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	
X	MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	X	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	X	MIN. 200mm
PLEASE REFER TO E2 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.					

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MC770

**ROOF RIDGE
RESIDENTIAL ROOFING**

Reference RRM770

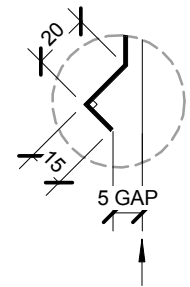
Date 2014

Scale 1 : 2

Sheet

01 / 24

PRE-FINISHED SAWTOOTH
RIDGE CAP FLASHING



ALTERNATIVE OPTION
BIRDS BEAK EDGE

HEMMED EDGE

PRE-FINISHED 8g WAFER-
TEK SCREW BEDDED IN
SILICONE

TIMBER PACKER

FASCIA BOARD

TIMBER PACKER

WEATHERBOARDS ON CAVITY

BUILDING PAPER SHOWN DASHED

ROOF OR WALL FRAMING

Z

X



STOPENDS TO ROOF CLADDING

SOFT EDGE DRESSED OVER
MC770 RIBS

METALCRAFT MC770 ROOFING

PRE-FINISHED SELF
DRILLING/TAPPING SCREW WITH
RUBBER WASHER

BUILDING PAPER SHOWN
DASHED

PURLIN

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
RESIDENTIAL ROOFING

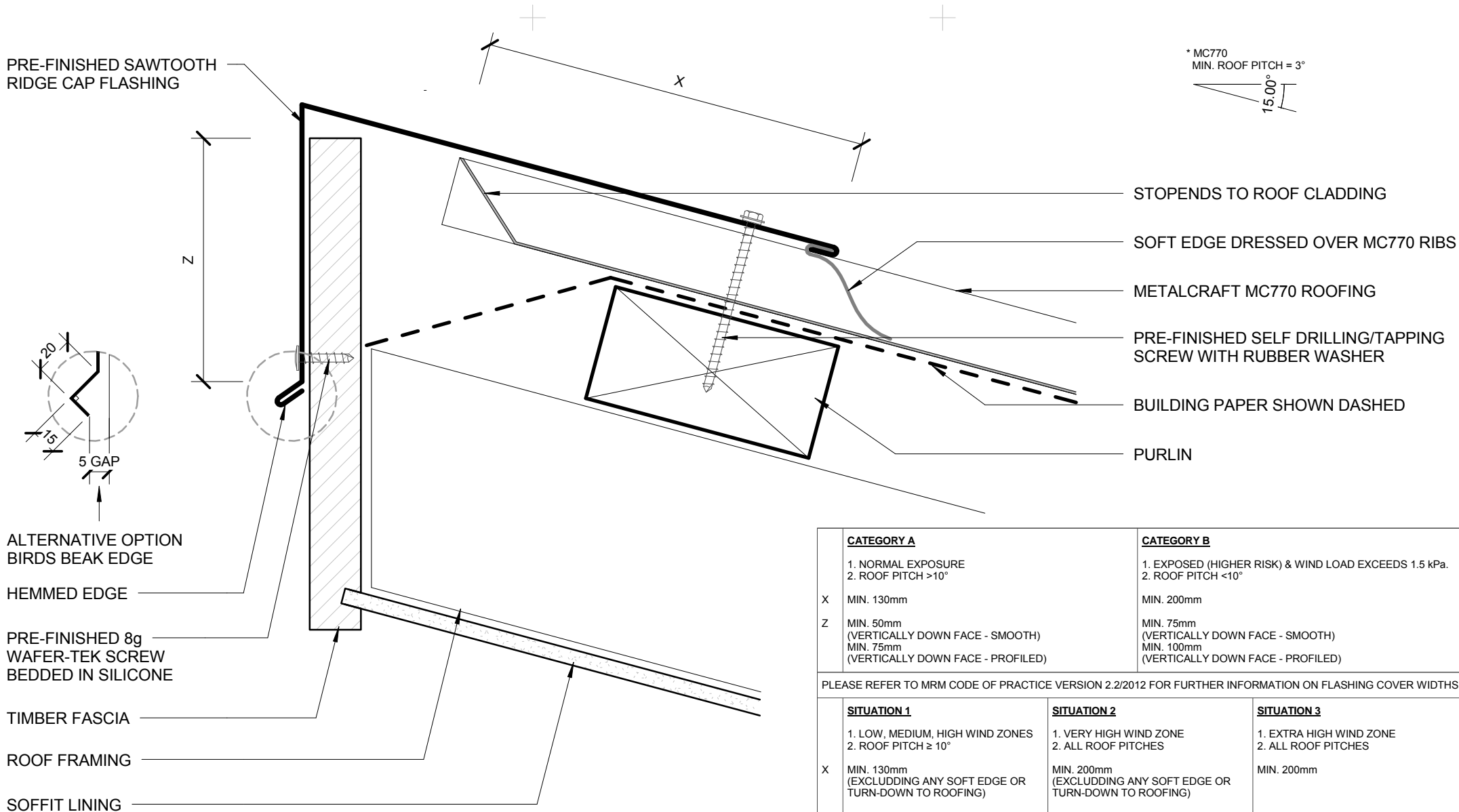
Reference RRM770

Date 2014

Scale 1 : 2

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* MC770
MIN. ROOF PITCH = 3°
15.00°

ALTERNATIVE OPTION
BIRDS BEAK EDGE

HEMMED EDGE

PRE-FINISHED 8g
WAFER-TEK SCREW
BEDDED IN SILICONE

TIMBER FASCIA

ROOF FRAMING

SOFFIT LINING

STOPENDS TO ROOF CLADDING

SOFT EDGE DRESSED OVER MC770 RIBS

METALCRAFT MC770 ROOFING

PRE-FINISHED SELF DRILLING/TAPPING
SCREW WITH RUBBER WASHER

BUILDING PAPER SHOWN DASHED

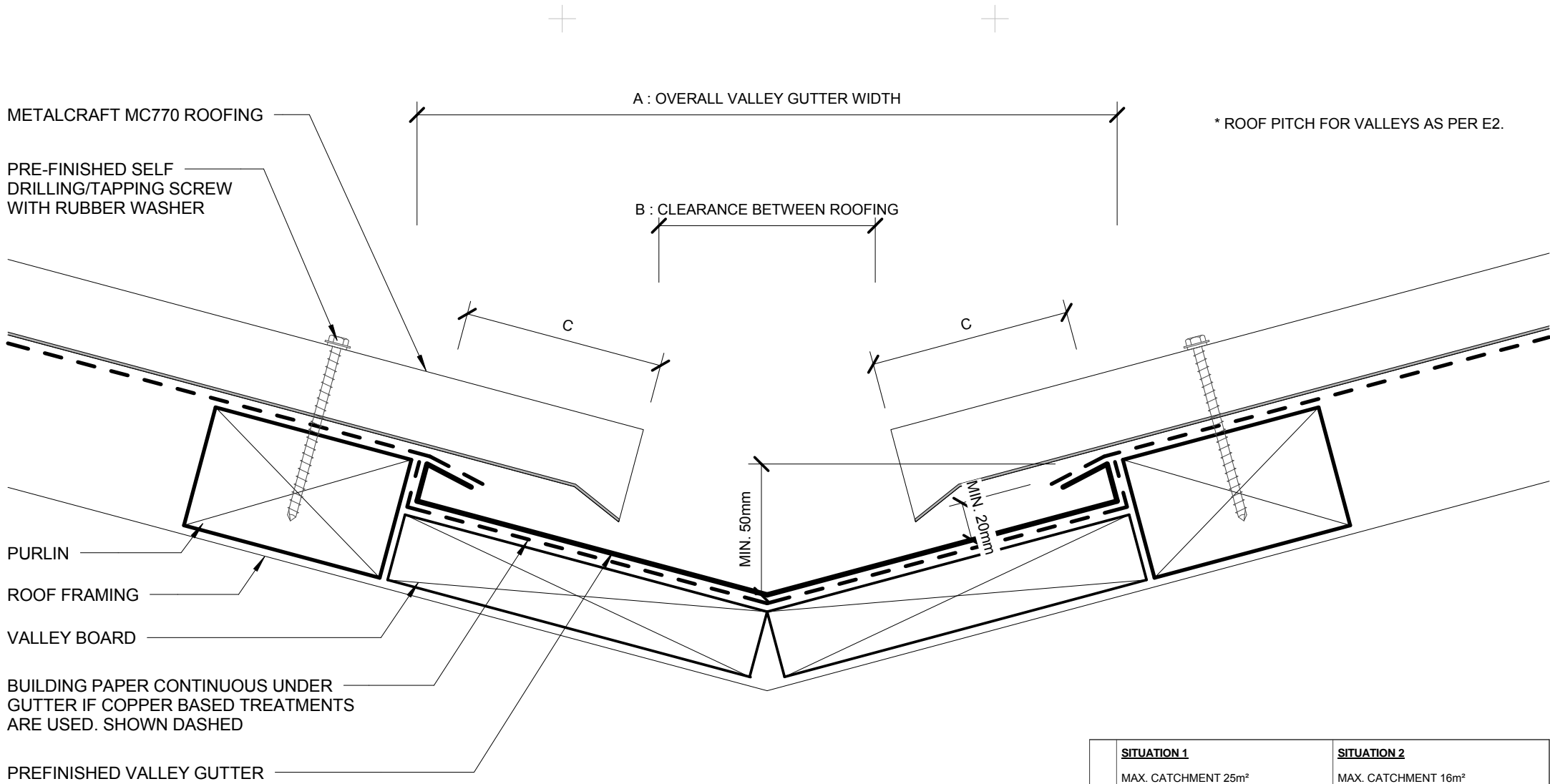
PURLIN

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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	SITUATION 1	SITUATION 2
	MAX. CATCHMENT 25m ² MIN. ROOF PITCH 8°	MAX. CATCHMENT 16m ² MIN. ROOF PITCH 12.5°
A	MIN. 250mm	160mm - 249mm
B	MIN. 50mm	MIN. 40mm
C	MIN. 80mm	MIN. 60mm
PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012 AND E2 FOR FURTHER INFORMATION.		

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MC770

Reference RRM770

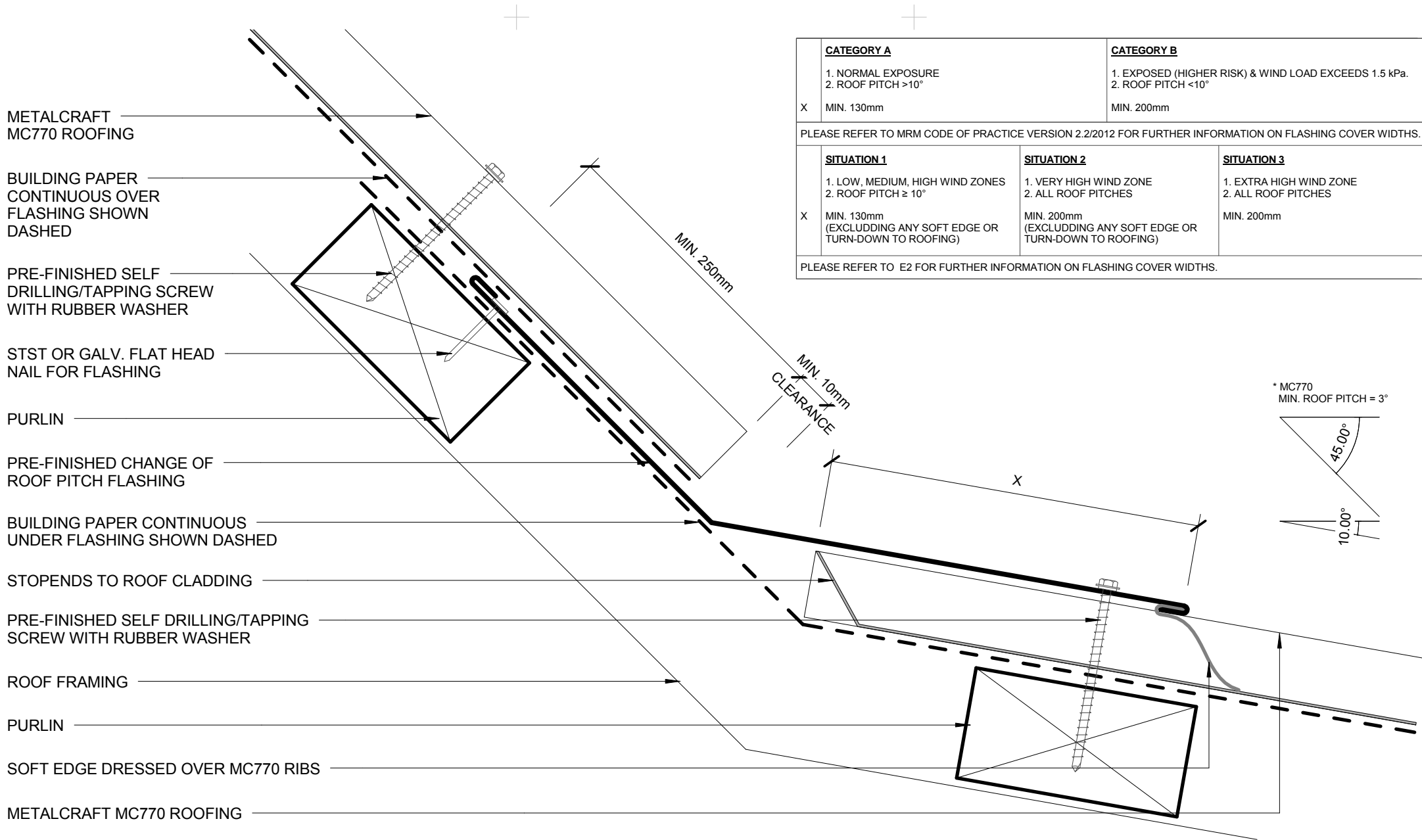
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**ROOF VALLEY
RESIDENTIAL ROOFING**

04 / 24



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MC770

Reference RRM770

Date 2014

Scale 1 : 2

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ROOF - CHANGE PITCH
RESIDENTIAL 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

* MC770
 MIN. ROOF PITCH = 3°



MIN. 50mm
 OR AS REQUIRED

MIN. 125 mm

MIN. 35mm
 OVERLAP

METALCRAFT MC770 ROOFING

BUILDING PAPER SHOWN DASHED

METALLINE™ QUAD GUTTER

METALLINE™ QUAD GUTTER
 OVERSTRAP

SPRING CLIP

METALLINE™ FASCIA

FASCIA BRACKET

PRE-FINISHED EAVE FLASHING

TIMBER PURLIN

STST OR GALV. FLAT HEAD NAIL
 FOR FLASHING

PRE-FINISHED SELF DRILLING/TAPPING
 SCREW WITH RUBBER WASHER

TIMBER ROOF FRAMING

SOFFIT LINING

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EAVE WITH METALLINE FASCIA
 RESIDENTIAL ROOFING

MC770

Reference RRM770

Date 2014

Scale 1 : 2

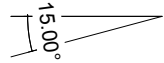
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EAVE FLASHING REQUIRED WHEN
 - ROOF PITCH $\leq 10^\circ$, OR
 - SOFFIT WIDTH $\leq 100\text{mm}$, OR
 - WIND ZONES = VERY HIGH OR EXTRA HIGH OR
 - ENGINEER SPECIFIC DESIGN

* MC770
 MIN. ROOF PITCH = 3°



METALCRAFT MC770 ROOFING

BUILDING PAPER SHOWN DASHED

METALLINE™ QUAD GUTTER

METALLINE™ QUAD GUTTER
 INTERNAL BRACKET

PRE-FINISHED 8g WAFER-TEK SCREW

TIMBER FASCIA

MIN. 50mm
 OR AS REQUIRED

MIN. 125 mm

MIN. 35mm
 OVERLAP

PRE-FINISHED EAVE FLASHING

TIMBER PURLIN

STST OR GALV. FLAT HEAD NAIL OR
 FLASHING

PRE-FINISHED SELF DRILLING/TAPPING
 SCREW WITH RUBBER WASHER

TIMBER ROOF FRAMING

SOFFIT LINING

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EAVE WITH INTERNAL GUTTER BRACKET

RESIDENTIAL ROOFING

MC770

Reference RRM770

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

* MC770
 MIN. ROOF PITCH = 3°

15.00°

MIN. 125 mm

MIN. 50mm
 OR AS REQUIRED

METALCRAFT MC770 ROOFING

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

SNOW STRAP AS REQUIRED

METALLINE™ QUAD GUTTER

METALLINE™ QUAD GUTTER
 INTERNAL BRACKET

PRE-FINISHED 8g WAFER-TEK
 SCREW

TIMBER FASCIA

MIN. 35mm
 OVERLAP

BUILDING PAPER SHOWN DASHED

PRE-FINISHED EAVE FLASHING

TIMBER PURLIN

STST OR GALV. FLAT HEAD NAIL FOR
 FLASHING

PRE-FINISHED SELF DRILLING/TAPPING
 SCREW WITH RUBBER WASHER

TIMBER ROOF FRAMING

SOFFIT LINING

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Scale 1 : 2

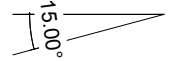
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08 / 24

EAVE WITH SNOW STRAP
 RESIDENTIAL 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

* MC770
 MIN. ROOF PITCH = 3°



METALCRAFT MC770 ROOFING

BUILDING PAPER SHOWN DASHED

QUARTER ROUND GUTTER

QUARTER ROUND GUTTER
 INTERNAL BRACKET

PRE-FINISHED 8g WAFER-TEK SCREW

FASCIA BOARD

TIMBER PACKER

WEATHERBOARDS ON CAVITY

MIN. 50mm
 OR AS REQUIRED

MIN. 125 mm

MIN. 35mm
 OVERLAP

PRE-FINISHED EAVE FLASHING

TIMBER PURLIN

STST OR GALV. FLAT HEAD NAIL FOR
 FLASHING

PRE-FINISHED SELF DRILLING/TAPPING
 SCREW WITH RUBBER WASHER

TIMBER PACKER

BUILDING PAPER SHOWN DASHED

ROOF FRAMING

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FLUSH EAVE WITH INTERNAL GUTTER BRACKET

MC770

RESIDENTIAL ROOFING

Reference RRM770

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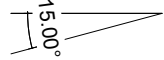
Scale 1 : 2

Sheet

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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°



METALCRAFT MC770 ROOFING

BUILDING PAPER SHOWN DASHED

QUARTER ROUND GUTTER

QUARTER ROUND GUTTER
 EXTERNAL BRACKET

PRE-FINISHED 8g WAFER-TEK SCREW

FASCIA BOARD

TIMBER PACKER

WEATHERBOARDS ON CAVITY

MIN. 50mm
 OR AS REQUIRED

MIN. 125 mm

MIN. 35mm
 OVERLAP

PRE-FINISHED EAVE FLASHING

TIMBER PURLIN

STST OR GALV. FLAT HEAD NAIL FOR
 FLASHING

PRE-FINISHED SELF DRILLING/TAPPING
 SCREW WITH RUBBER WASHER

TIMBER PACKER

BUILDING PAPER SHOWN DASHED

ROOF FRAMING

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FLUSH EAVE WITH EXTERNAL GUTTER BRACKET

MC770

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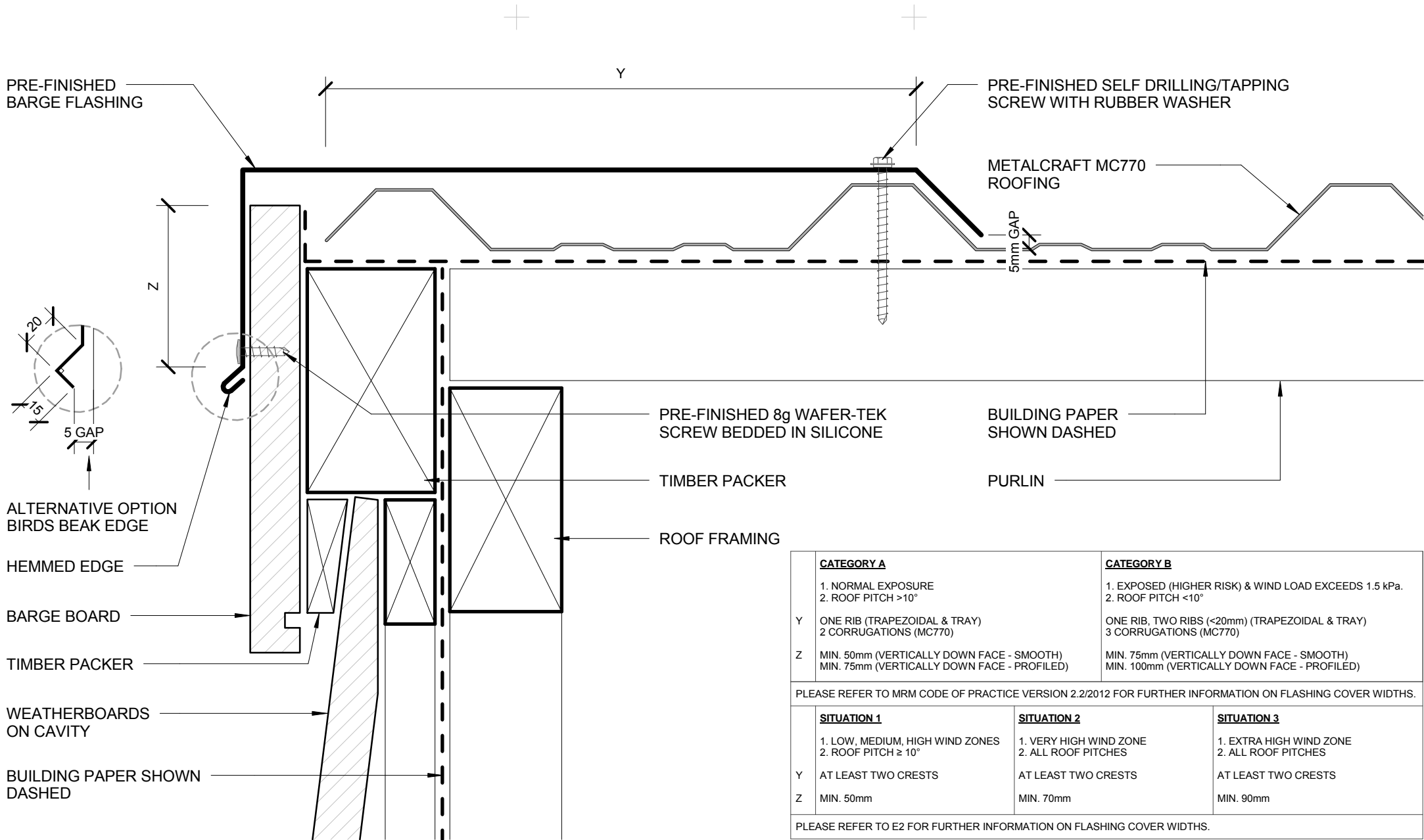
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Date 2014

Scale 1 : 2

Sheet

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<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 (MC770)	ONE RIB, TWO RIBS (<20mm) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS (MC770)
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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<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
Z	MIN. 50mm	MIN. 90mm
PLEASE REFER TO E2 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.		

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BARGE WITH PROFILED CLADDING RESIDENTIAL ROOFING

MC770

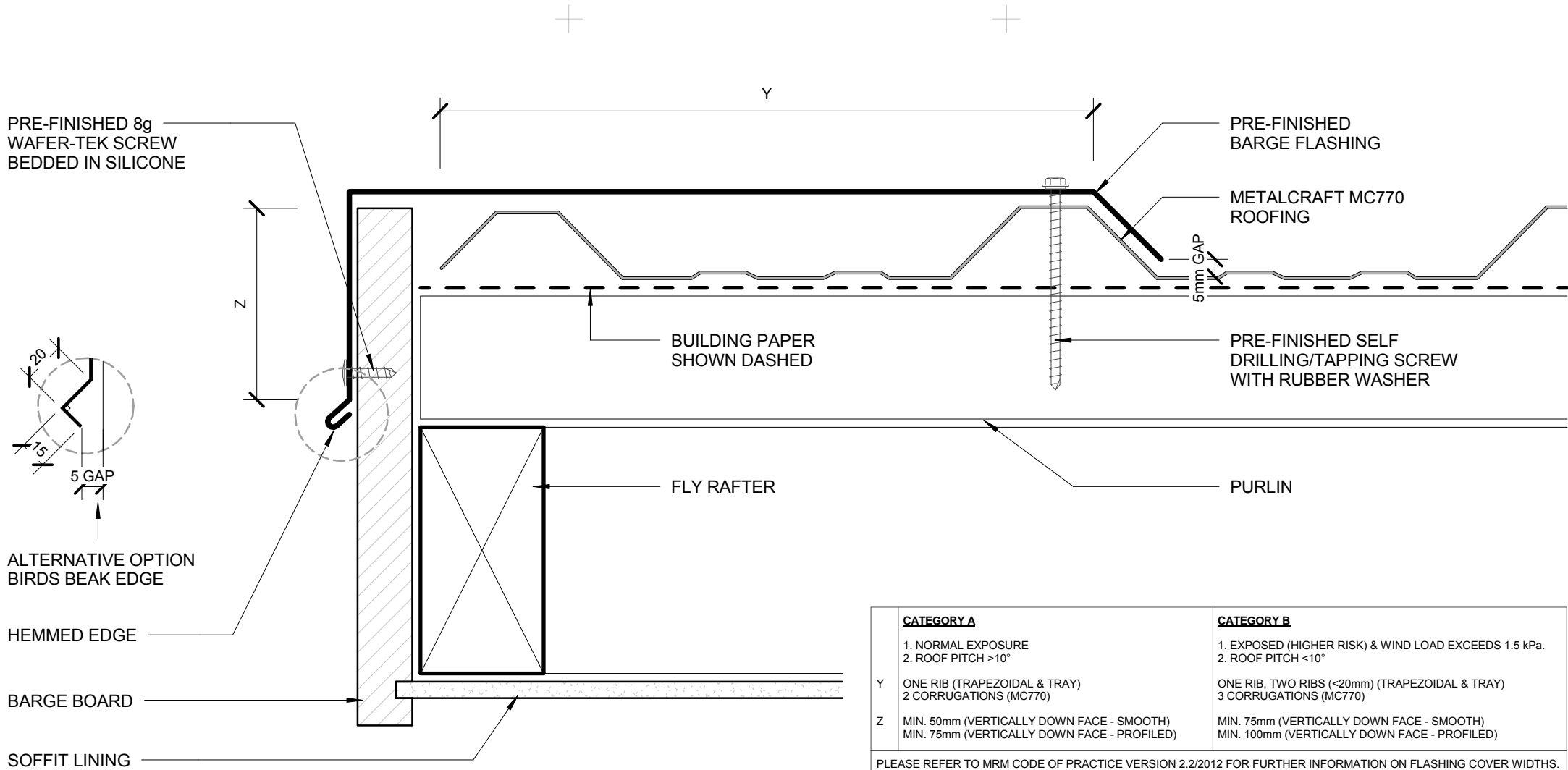
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Scale 1 : 2

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°	
Y	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS (MC770)	ONE RIB, TWO RIBS (<20mm) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS (MC770)	
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
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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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MC770

**BARGE OVERHANG
RESIDENTIAL ROOFING**

Reference RRM770

Date 2014

Scale 1 : 2

Sheet

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PRE-FINISHED PARAPET CAP FLASHING

TIMBER PACKER

PRE-FINISHED 8g WAFER-TEK SCREW BEDDED IN SILICONE

STST OR GALV. FLAT HEAD NAIL FOR FLASHING

PRE-FINISHED SELF DRILLING / TAPPING SCREW WITH RUBBER WASHER

BARGE BOARD

TIMBER PACKER

WEATHERBOARDS ON CAVITY

BUILDING PAPER SHOWN DASHED

WALL FRAMING

MIN. 5.00°

BUILDING PAPER TO PROVIDE SEPARATION OF METAL CAPPING AND TIMBER SHOWN DASHED

CONTINUOUS TIMBER PACKING

TIMBER NOG FOR FIXING APRON FLASHING

STOPENDS TO ROOF CLADDING

TIMBER PURLIN

ROOF FRAMING

CATEGORY A

- 1. NORMAL EXPOSURE
 - 2. ROOF PITCH >10°
- G 25mm
- N MIN. 50mm + HEM OR 75mm (VERTICALLY UP FACE - SMOOTH)
MIN. 75mm + HEM OR 100mm (VERTICALLY UP FACE - PROFILED)
- L MIN. 150mm
- Z MIN. 50mm (VERTICALLY DOWN FACE - SMOOTH)
MIN. 75mm (VERTICALLY DOWN FACE - PROFILED)

CATEGORY B

- 1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa.
 - 2. ROOF PITCH <10°
- G 25mm
- N MIN. 75mm + HEM OR 100mm (VERTICALLY UP FACE - SMOOTH)
MIN. 100mm + HEM OR 125mm (VERTICALLY UP FACE - PROFILED)
- L MIN. 200mm
- Z 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

- 1. LOW, MEDIUM, HIGH WIND ZONES
 - 2. ROOF PITCH ≥ 10°
- G MIN. 35mm
- N MIN. 75mm
- L MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)
- Z MIN. 50mm

SITUATION 2

- 1. VERY HIGH WIND ZONE
 - 2. ALL ROOF PITCHES
- G MIN. 35mm
- N MIN. 75mm
- L MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)
- Z MIN. 70mm

SITUATION 3

- 1. EXTRA HIGH WIND ZONE
 - 2. ALL ROOF PITCHES
- G MIN. 35mm
- N MIN. 75mm
- L MIN. 200mm
- Z MIN. 90mm

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

* MC770
MIN. ROOF PITCH = 3°

PRE-FINISHED APRON FLASHING

SOFT EDGE DRESSED OVER MC770 RIBS

METALCRAFT MC770 ROOFING

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH RUBBER WASHER

BUILDING PAPER SHOWN DASHED

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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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PARAPET WITH TRANSVERSE APRON
RESIDENTIAL ROOFING

MC770

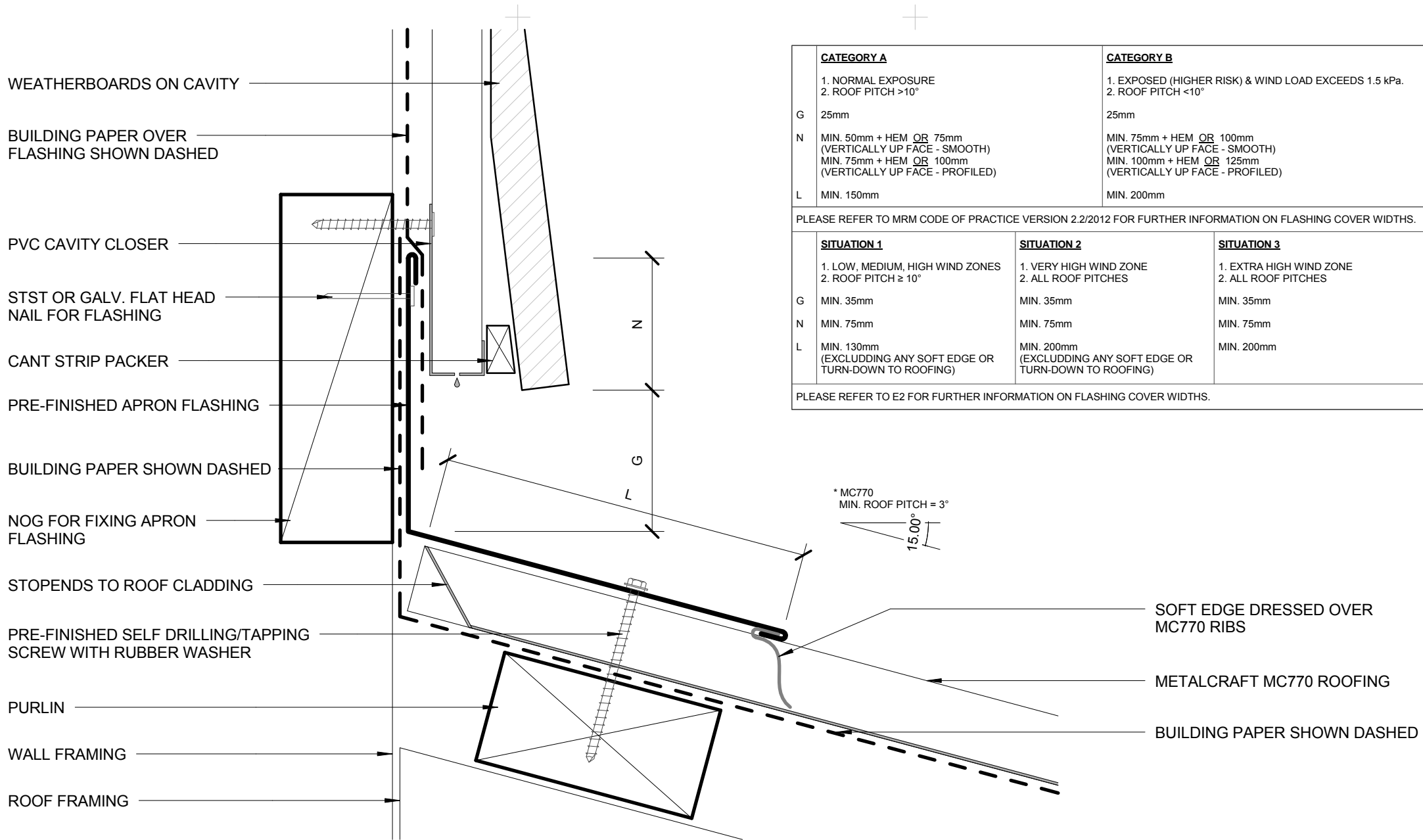
Reference RRM770

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

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

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

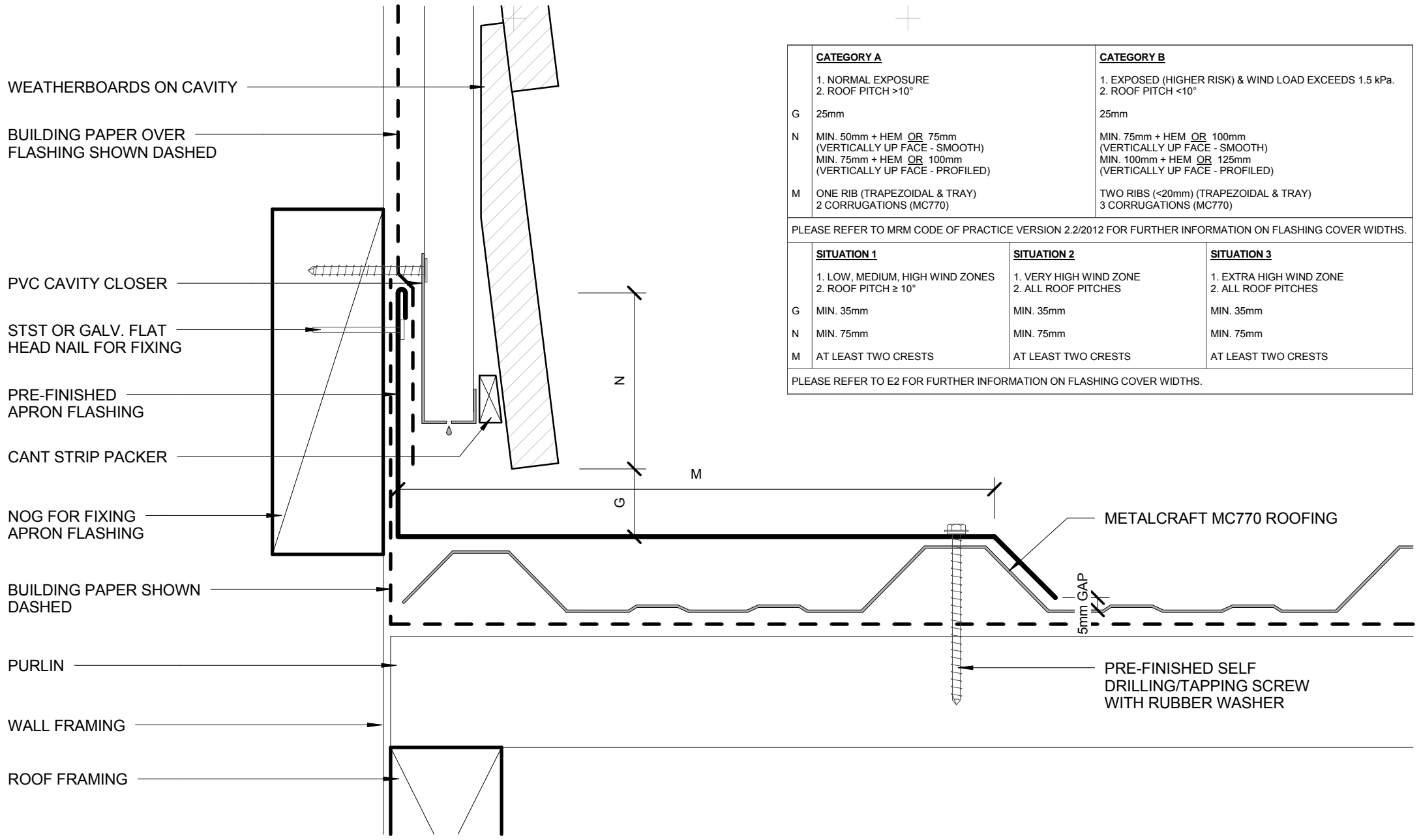
- BUILDING PAPER IS THE COMMON GENERIC NAME FOR PERMEABLE ROOF AND WALL UNDERLAYS. PLEASE REFER TO NZBC E2/AS1 AND MRM CODE OF PRACTICE VERSION 2.2 /2012.

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MC770 **TRANSVERSE APRON**
RESIDENTIAL 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°
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)
M	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS (MC770)	TWO RIBS (<20mm) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS (MC770)

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
M	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS

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

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MC770

PARALLEL APRON
RESIDENTIAL ROOFING

Reference RRM770

Date 2014

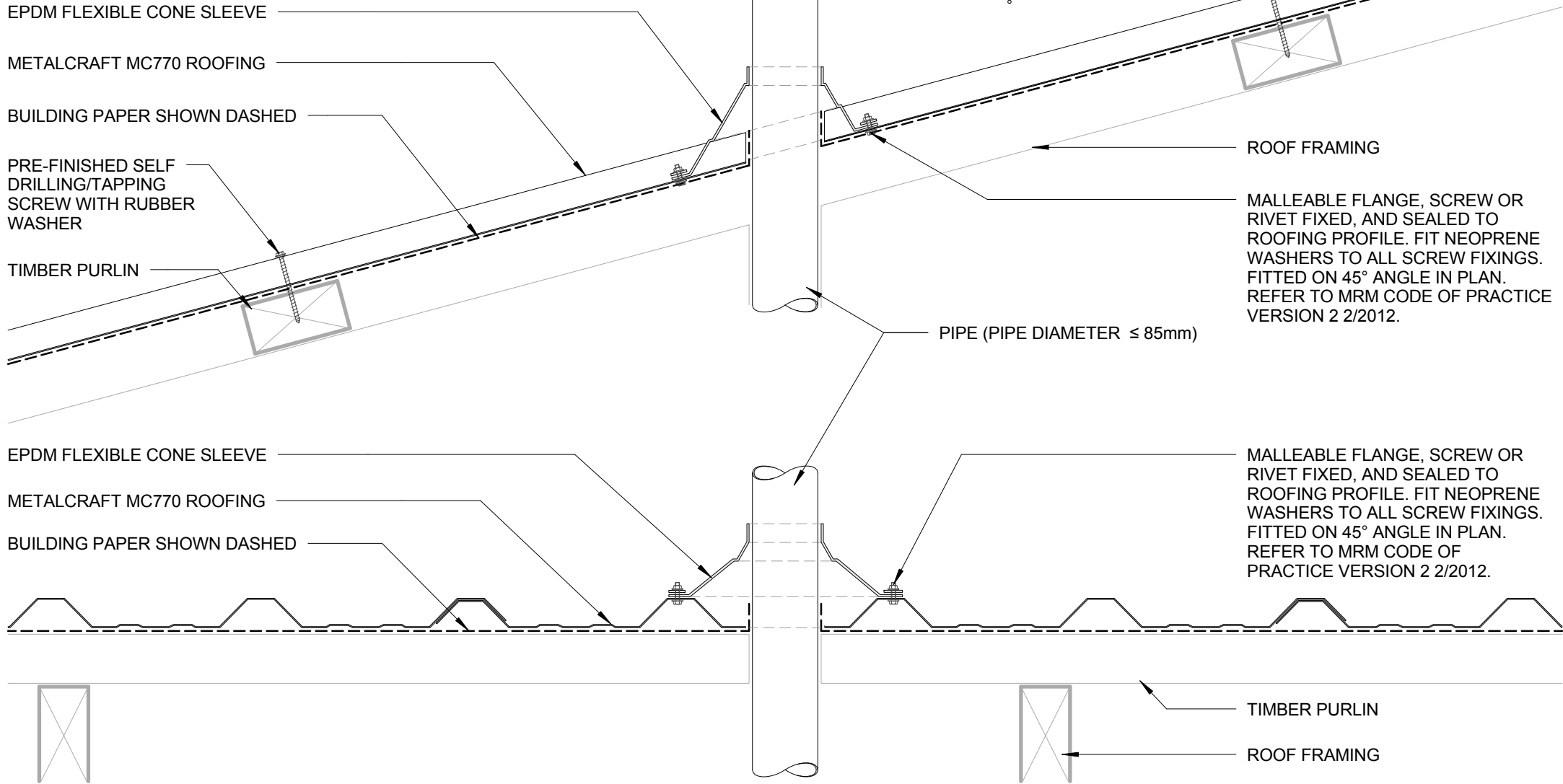
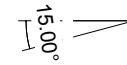
Scale 1 : 2

Sheet

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THIS DETAIL IS APPLIED ONLY WHEN
 - ROOF PITCH MIN. 10° and MAX. 45°
 - PIPE DIAMETER MAX. 85mm

* MIN. 10° FOR PIPE PENETRATION



- 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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MAX. 85mm DIAMETER PIPE PENETRATION

MC770

RESIDENTIAL ROOFING

Reference RRM770

Date 2014

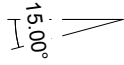
Scale 1 : 5

Sheet

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THIS DETAIL IS APPLIED ONLY WHEN
 - ROOF PITCH MIN. 10°
 - PIPE DIAMETER OVER 85mm AND MAX. 500mm
 - PIPE TO BE POSITIONED AS CLOSE TO ROOF RIDGE AS POSSIBLE

* MIN. 10° FOR PIPE PENETRATION



EPDM FLEXIBLE CONE SLEEVE

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH RUBBER WASHER

METALCRAFT MC770 ROOFING

PURLIN

MALLEABLE FLANGE, SCREW OR RIVET FIXED, AND SEALED TO ROOFING PROFILE. FIT NEOPRENE WASHERS TO ALL SCREW FIXINGS. FITTED ON 45° ANGLE IN PLAN. REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012.

METALCRAFT MC770 ROOFING

5mm GAP

M

NOGS BETWEEN PURLINS FOR PENETRATION

L	REFER TO SHEET NO. 14/24 TRANSVERSE APRON
M	REFER TO SHEET NO. 16/24 PARALLEL APRON
X	REFER TO SHEET NO. 01/24 ROOF RIDGE

- 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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PRE-FINISHED ROOF RIDGE CAP FLASHING

X

PRE-FINISHED SOAKER FLASHING UNDER PRE-FINISHED ROOF RIDGE CAP FLASHING

ROOF FRAMING

PIPE (85mm > PIPE DIAMETER ≤ 500mm)

EPDM FLEXIBLE CONE SLEEVE

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

5mm GAP

BUILDING PAPER SHOWN DASHED

PURLIN

ROOF FRAMING

OVER 85mm DIAMETER PIPE PENETRATION RESIDENTIAL ROOFING

MC770

Reference RRM770

Date 2014

Scale 1 : 5

Sheet

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* PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012 AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHINGS FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

PRE-FINISHED RIDGE CAP FLASHING

METALCRAFT MC770 ROOFING

PRE-FINISHED BARGE FLASHING

PURLIN

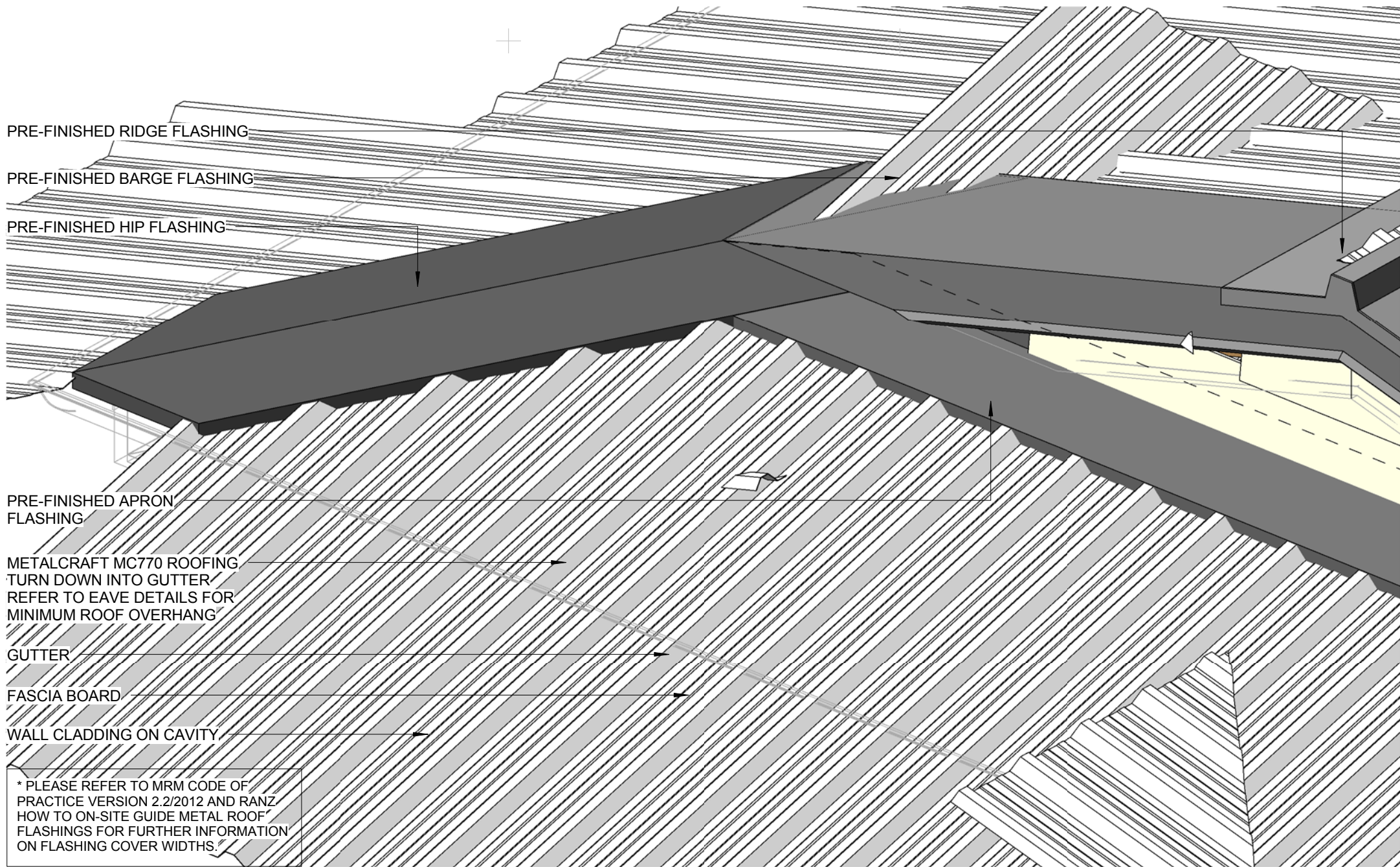
ROOF FRAMING

FASCIA BOARD

WALL FRAMING

WALL CLADDING ON CAVITY

3D-RIDGE TO BARGE JUCTION
RESIDENTIAL ROOFING



PRE-FINISHED RIDGE FLASHING

PRE-FINISHED BARGE FLASHING

PRE-FINISHED HIP FLASHING

PRE-FINISHED APRON FLASHING

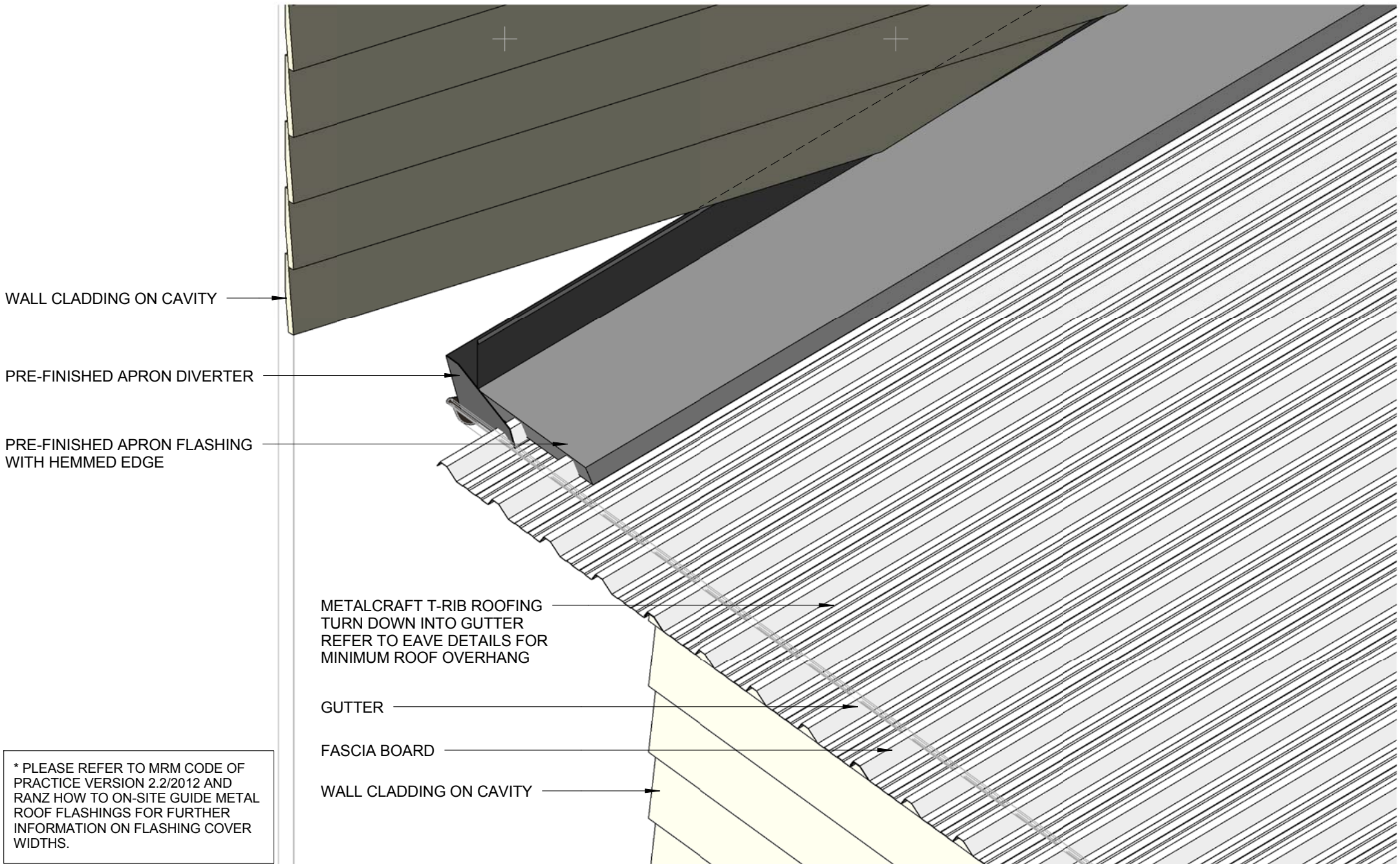
METALCRAFT MC770 ROOFING
TURN DOWN INTO GUTTER
REFER TO EAVE DETAILS FOR
MINIMUM ROOF OVERHANG

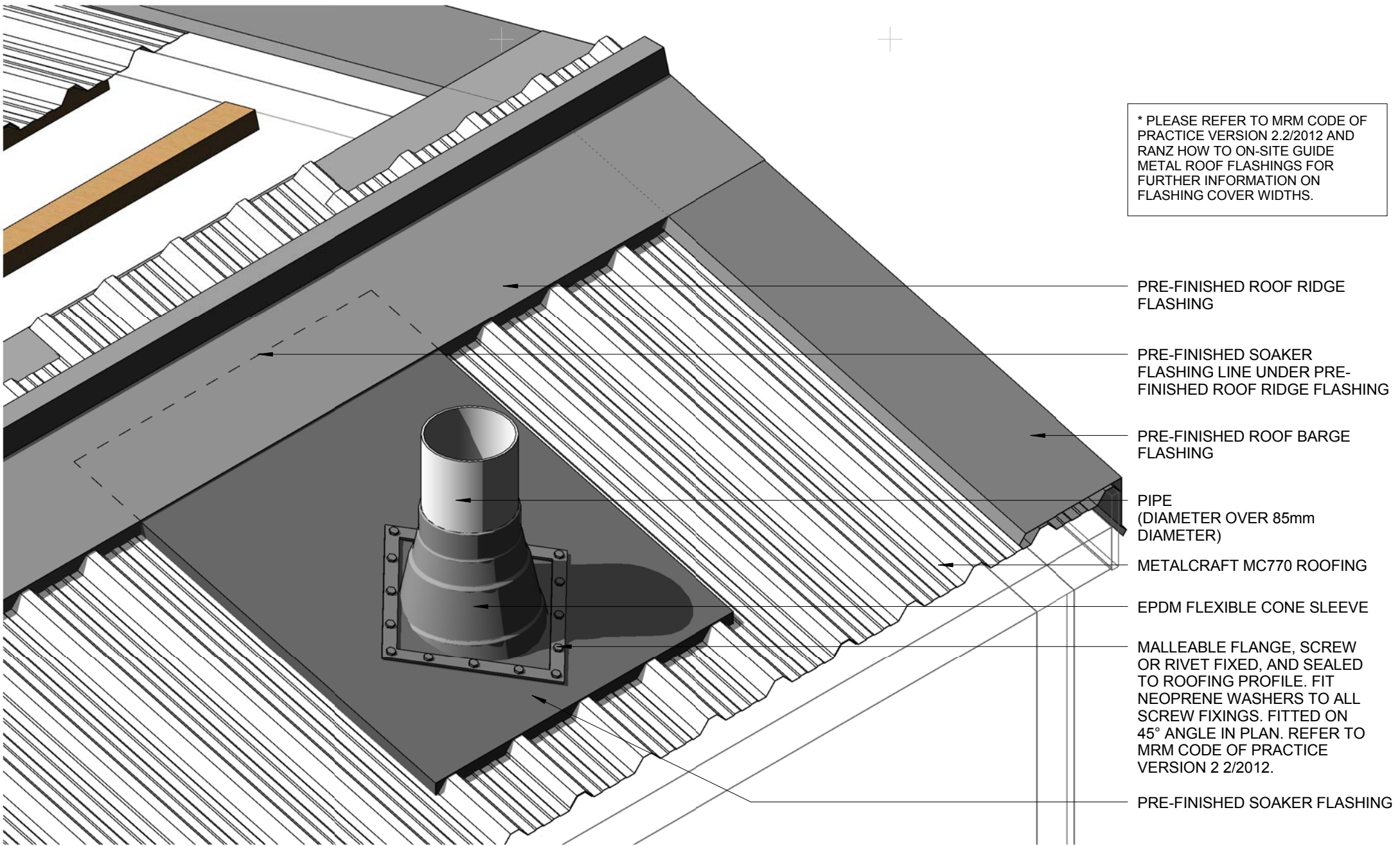
GUTTER

FASCIA BOARD

WALL CLADDING ON CAVITY

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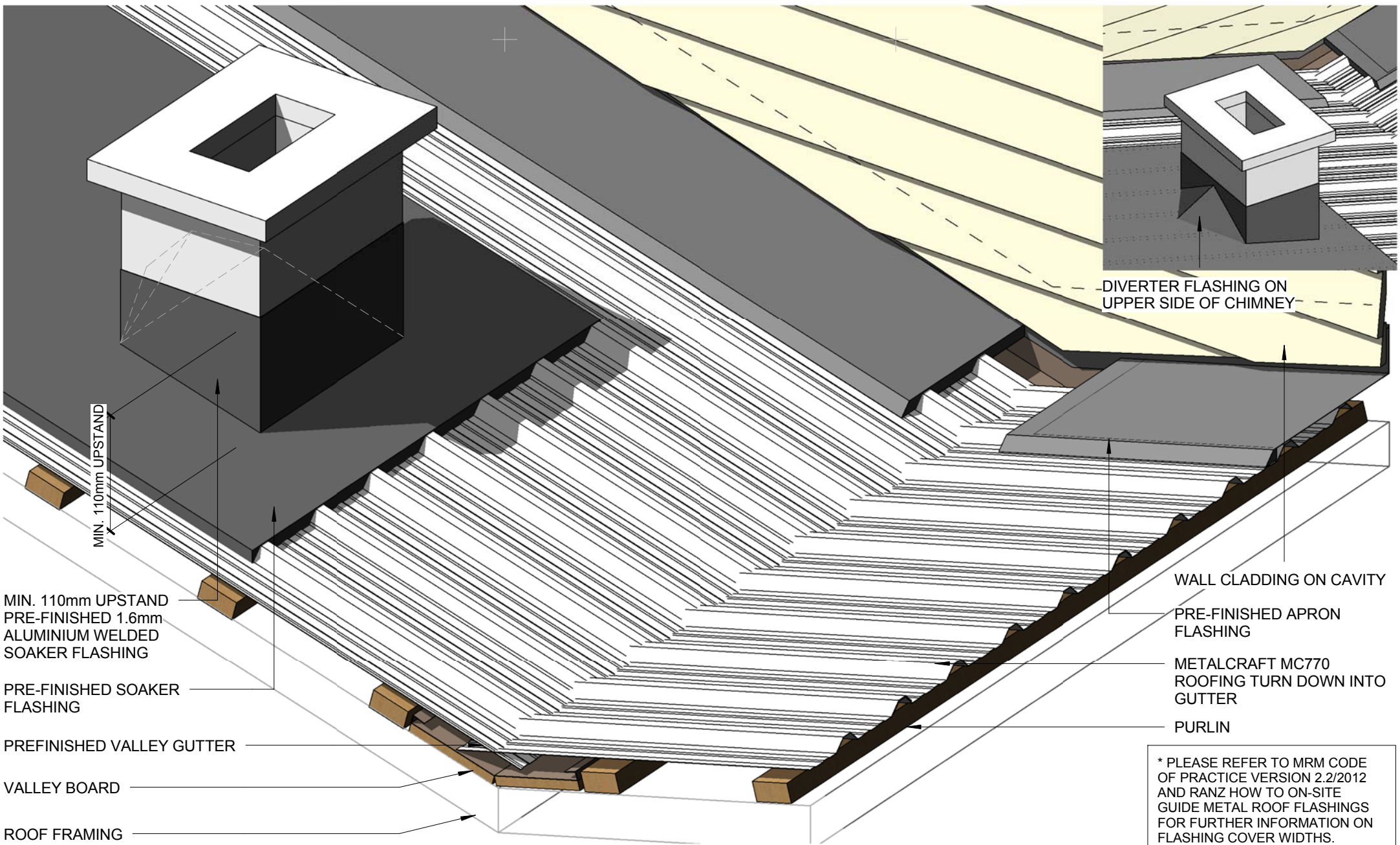
* PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012 AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHINGS FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

- PRE-FINISHED ROOF RIDGE FLASHING
- PRE-FINISHED SOAKER FLASHING LINE UNDER PRE-FINISHED ROOF RIDGE FLASHING
- PRE-FINISHED ROOF BARGE FLASHING
- PIPE (DIAMETER OVER 85mm DIAMETER)
- METALCRAFT MC770 ROOFING
- EPDM FLEXIBLE CONE SLEEVE
- MALLEABLE FLANGE, SCREW OR RIVET FIXED, AND SEALED TO ROOFING PROFILE. FIT NEOPRENE WASHERS TO ALL SCREW FIXINGS. FITTED ON 45° ANGLE IN PLAN. REFER TO MRM CODE OF PRACTICE VERSION 2 2/2012.
- PRE-FINISHED SOAKER FLASHING

3D-OVER 85mm DIAMETER PIPE PENETRATION
RESIDENTIAL ROOFING



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MIN. 110mm UPSTAND
 PRE-FINISHED 1.6mm
 ALUMINIUM WELDED
 SOAKER FLASHING

PRE-FINISHED SOAKER
 FLASHING

PREFINISHED VALLEY GUTTER

VALLEY BOARD

ROOF FRAMING

DIVERTER FLASHING ON
 UPPER SIDE OF CHIMNEY

WALL CLADDING ON CAVITY

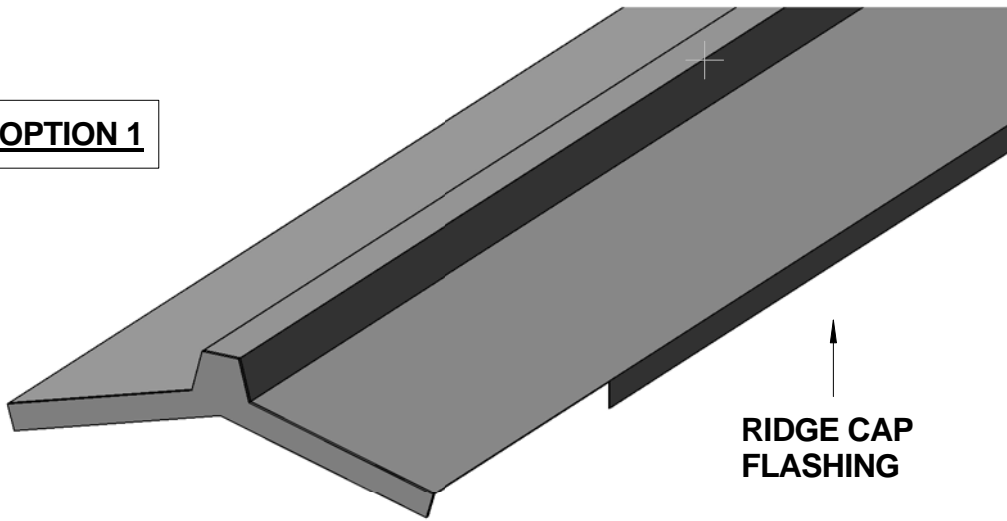
PRE-FINISHED APRON
 FLASHING

METALCRAFT MC770
 ROOFING TURN DOWN INTO
 GUTTER

PURLIN

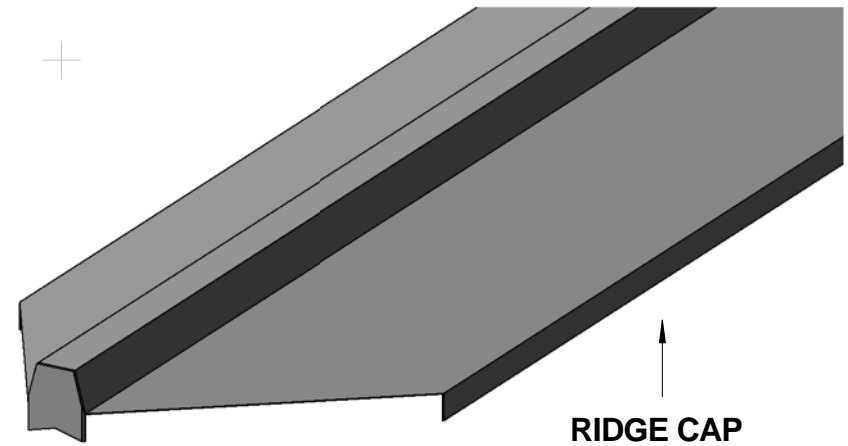
* PLEASE REFER TO MRM CODE
 OF PRACTICE VERSION 2.2/2012
 AND RANZ HOW TO ON-SITE
 GUIDE METAL ROOF FLASHINGS
 FOR FURTHER INFORMATION ON
 FLASHING COVER WIDTHS.

OPTION 1

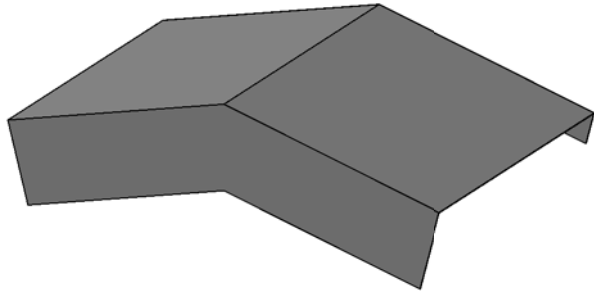


RIDGE CAP FLASHING

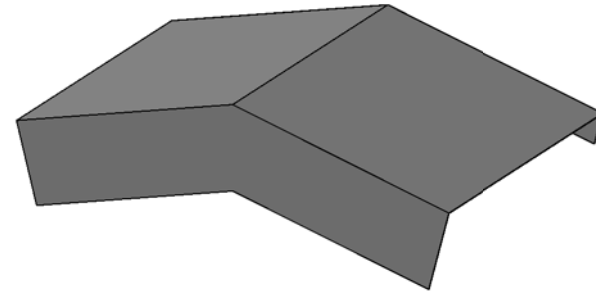
OPTION 2



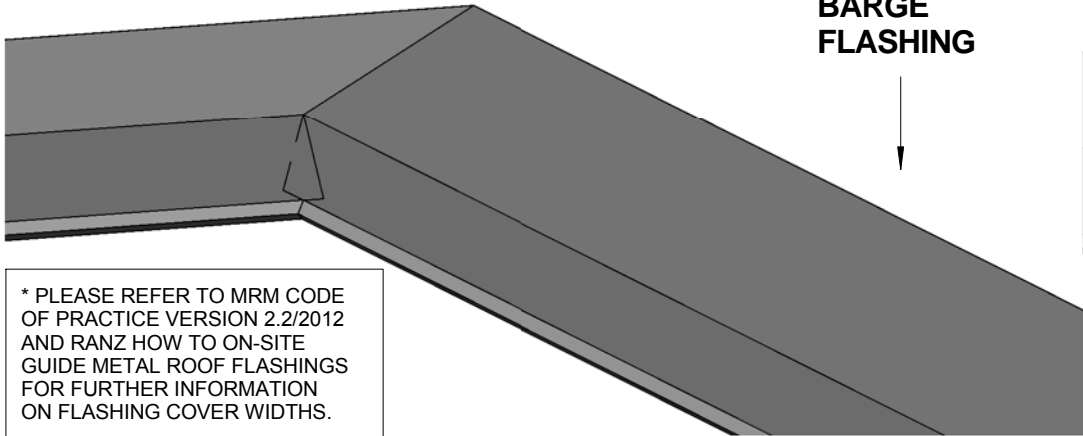
RIDGE CAP FLASHING



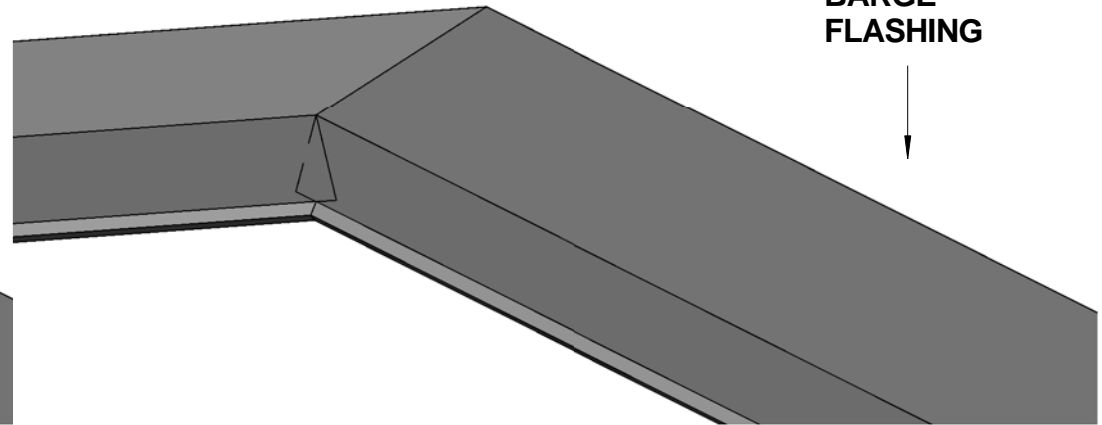
ADDITIONAL SADDLE FLASHING



ADDITIONAL SADDLE FLASHING



BARGE FLASHING



BARGE FLASHING

* PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012 AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHINGS FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

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MC770

3D-RIDGE/BARGE FLASHINGS

RESIDENTIAL ROOFING

**(4) PRE-FINISHED
BARGE FLASHING**

**(3) PRE-FINISHED 3D
SADDLE FLASHING**

**(2) PRE-FINISHED
APRON FLASHING**

(1) PRE-FINISHED HIP FLASHING

* PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012 AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHINGS FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

3D-DUTCH GABLE FLASHINGS
RESIDENTIAL ROOFING