

# KAHU™

## 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
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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
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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

RRKA

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

Architectural / Specification Enquiries

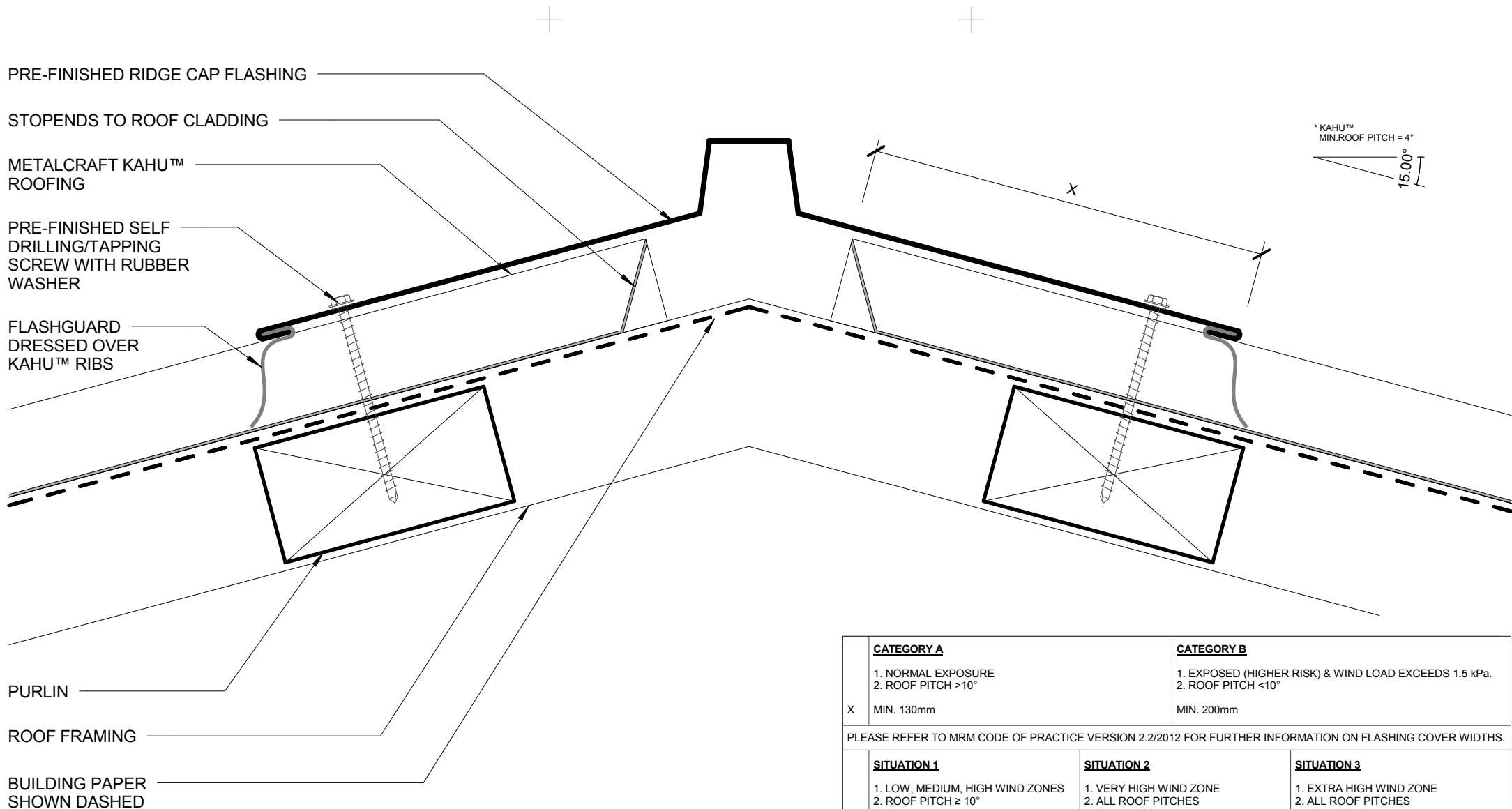
Ph: 09 274 0408

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**Metalcraft**  
Roofing



	<b><u>CATEGORY A</u></b>  1. NORMAL EXPOSURE 2. ROOF PITCH >10°	<b><u>CATEGORY B</u></b>  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 FURTHER INFORMATION ON FLASHING COVER WIDTHS.			
	<b><u>SITUATION 1</u></b>  1. LOW, MEDIUM, HIGH WIND ZONES 2. ROOF PITCH ≥ 10°	<b><u>SITUATION 2</u></b>  1. VERY HIGH WIND ZONE 2. ALL ROOF PITCHES	<b><u>SITUATION 3</u></b>  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 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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Kahu™

**ROOF RIDGE**  
RESIDENTIAL ROOFING

Reference RRKA

Rev: R0

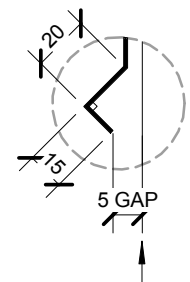
Date 2015

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

FLASHGUARD DRESSED OVER  
KAHU™ RIBS

METALCRAFT KAHU™ ROOFING

PRE-FINISHED SELF  
DRILLING/TAPPING SCREW  
WITH RUBBER WASHER

BUILDING PAPER SHOWN  
DASHED

PURLIN

#### CATEGORY A

1. NORMAL EXPOSURE
2. ROOF PITCH >10°

X MIN. 130mm

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°

MIN. 200mm

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°

X 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

MIN. 200mm  
(EXCLUDING ANY SOFT EDGE OR  
TURN-DOWN TO ROOFING)

MIN. 70mm

#### SITUATION 3

1. EXTRA HIGH WIND ZONE
2. ALL ROOF PITCHES

MIN. 200mm

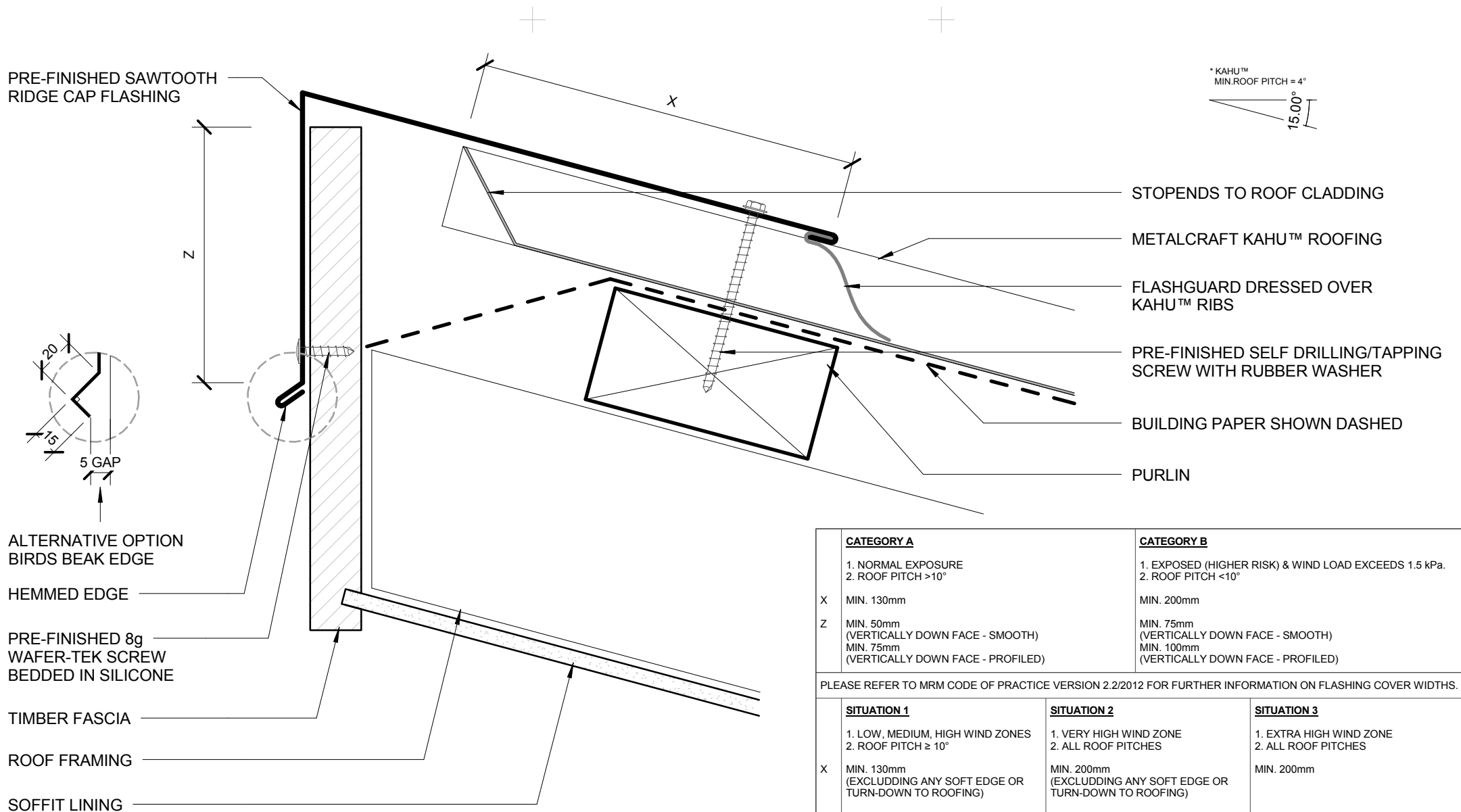
MIN. 90mm

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

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ROOF AND WALL UNDERLAYS. PLEASE REFER TO NZBC E2/AS1 AND  
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ALTERNATIVE OPTION  
BIRDS BEAK EDGE

HEMMED EDGE

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

TIMBER FASCIA

ROOF FRAMING

SOFFIT LINING

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
	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)
Z	MIN. 50mm	MIN. 70mm
		SITUATION 3
		1. EXTRA HIGH WIND ZONE 2. ALL ROOF PITCHES
		MIN. 200mm
		MIN. 90mm
PLEASE REFER TO E2 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.		

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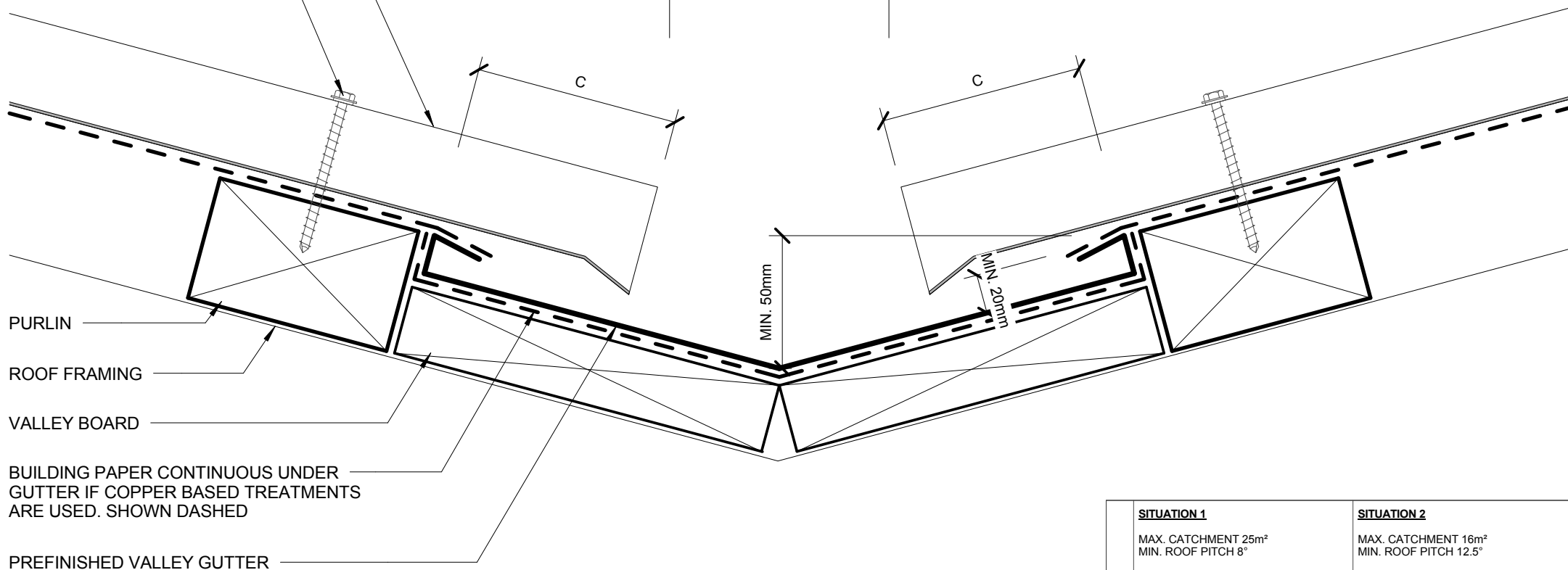
METALCRAFT KAHU™ ROOFING

PRE-FINISHED SELF  
DRILLING/TAPPING SCREW  
WITH RUBBER WASHER

A : OVERALL VALLEY GUTTER WIDTH

\* ROOF PITCH FOR VALLEYS AS PER E2.

B : CLEARANCE BETWEEN ROOFING



PURLIN

ROOF FRAMING

VALLEY BOARD

BUILDING PAPER CONTINUOUS UNDER  
GUTTER IF COPPER BASED TREATMENTS  
ARE USED. SHOWN DASHED

PREFINISHED VALLEY GUTTER

SITUATION 1	SITUATION 2
MAX. CATCHMENT 25m² MIN. ROOF PITCH 8°	MAX. CATCHMENT 16m² MIN. ROOF PITCH 12.5°
A MIN. 250mm	160mm - 249mm
B MIN. 50mm	MIN. 40mm
C MIN. 80mm	MIN. 60mm
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Reference RRKA

Rev: R0

Date 2015

Scale 1 : 2

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**ROOF VALLEY**  
RESIDENTIAL ROOFING

**04 / 24**

METALCRAFT  
KAHU™ ROOFING

BUILDING PAPER  
CONTINUOUS OVER  
FLASHING SHOWN DASHED

PRE-FINISHED SELF  
DRILLING/TAPPING SCREW  
WITH RUBBER WASHER

STST OR GALV. FLAT HEAD  
NAIL FOR FLASHING

PURLIN

PRE-FINISHED CHANGE OF  
ROOF PITCH FLASHING

BUILDING PAPER CONTINUOUS  
UNDER FLASHING SHOWN DASHED

STOPENDS TO ROOF CLADDING

PRE-FINISHED SELF DRILLING/TAPPING  
SCREW WITH RUBBER WASHER

ROOF FRAMING

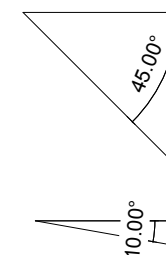
PURLIN

FLASHGUARD DRESSED OVER KAHU™ RIBS

METALCRAFT KAHU™ ROOFING

	<b>CATEGORY A</b>  1. NORMAL EXPOSURE 2. ROOF PITCH >10°	<b>CATEGORY B</b>  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 FURTHER INFORMATION ON FLASHING COVER WIDTHS			
	<b>SITUATION 1</b>  1. LOW, MEDIUM, HIGH WIND ZONES 2. ROOF PITCH ≥ 10°	<b>SITUATION 2</b>  1. VERY HIGH WIND ZONE 2. ALL ROOF PITCHES	<b>SITUATION 3</b>  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
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\* KAHU™  
MIN. ROOF PITCH = 4°



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Reference RRKA

Rev: R0

Date 2015

ROOF - CHANGE PITCH  
RESIDENTIAL ROOFING

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

\* KAHU™  
MIN. ROOF PITCH =  $4^\circ$

METALCRAFT KAHU™ ROOFING

BUILDING PAPER SHOWN DASHED

METALLINE™ QUAD GUTTER

METALLINE™ QUAD GUTTER  
OVERSTRAP

SPRING CLIP

METALLINE™ FASCIA

FASCIA BRACKET

MIN. 125 mm

MIN. 50mm  
OR AS REQUIRED

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 ROOF FRAMING

SOFFIT LINING

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## EAVE WITH METALLINE FASCIA

RESIDENTIAL ROOFING

Kahu™

Reference RRKA

Rev: R0

Date 2015

Scale 1 : 2

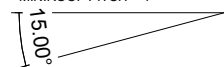
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06 / 24

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

\* KAHU™  
MIN. ROOF PITCH =  $4^\circ$



MIN. 125 mm

MIN. 50mm  
OR AS REQUIRED

METALCRAFT KAHU™ ROOFING

BUILDING PAPER SHOWN DASHED

METALLINE™ QUAD GUTTER

METALLINE™ QUAD GUTTER  
INTERNAL BRACKET

PRE-FINISHED 8g WAFER-TEK  
SCREW

TIMBER FASCIA

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

Kahu™

Reference RRKA

Rev: R0

Date 2015

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

\* KAHU™  
MIN. ROOF PITCH =  $4^\circ$

METALCRAFT KAHU™ 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. 50mm  
OR AS REQUIRED

MIN. 125 mm

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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## 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

\* KAHU™  
MIN. ROOF PITCH =  $4^\circ$

15.00°

MIN. 125 mm

MIN. 50mm  
OR AS REQUIRED

METALCRAFT KAHU™ 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

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

### RESIDENTIAL ROOFING

Kahu™

Reference RRKA

Rev: R0

Date 2015

Scale 1 : 2

Sheet

09 / 24

EAVE FLASHING REQUIRED WHEN

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- SOFFIT WIDTH  $\leq 100\text{mm}$ , OR
- WIND ZONES = VERY HIGH OR EXTRA HIGH OR
- ENGINEER SPECIFIC DESIGN

\* KAHU™  
MIN. ROOF PITCH =  $4^\circ$

100°

MIN. 125 mm

MIN. 50mm  
OR AS REQUIRED

METALCRAFT KAHU™ 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

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

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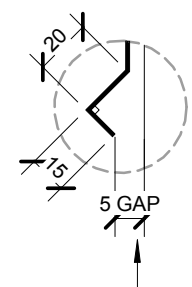
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PRE-FINISHED  
BARGE FLASHING

PRE-FINISHED SELF DRILLING/TAPPING  
SCREW WITH RUBBER WASHER

METALCRAFT KAHU™ ROOFING



ALTERNATIVE OPTION  
BIRDS BEAK EDGE

HEMMED EDGE

BARGE BOARD

TIMBER PACKER

WEATHERBOARDS  
ON CAVITY

BUILDING PAPER SHOWN  
DASHED

Y

Z

15mm GAP

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

TIMBER PACKER

ROOF FRAMING

BUILDING PAPER  
SHOWN DASHED

PURLIN

#### CATEGORY A

1. NORMAL EXPOSURE
2. ROOF PITCH >10°

Y ONE RIB (TRAPEZOIDAL & TRAY)  
2 CORRUGATIONS (MC700)

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°

ONE RIB, TWO RIBS (<20mm) (TRAPEZOIDAL & TRAY)  
3 CORRUGATIONS (MC700)

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°

Y AT LEAST TWO CRESTS

Z MIN. 50mm

#### SITUATION 2

1. VERY HIGH WIND ZONE
2. ALL ROOF PITCHES

AT LEAST TWO CRESTS

MIN. 70mm

#### SITUATION 3

1. EXTRA HIGH WIND ZONE
2. ALL ROOF PITCHES

AT LEAST TWO CRESTS

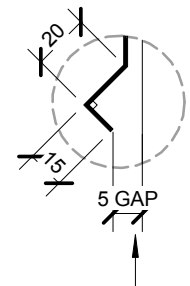
MIN. 90mm

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

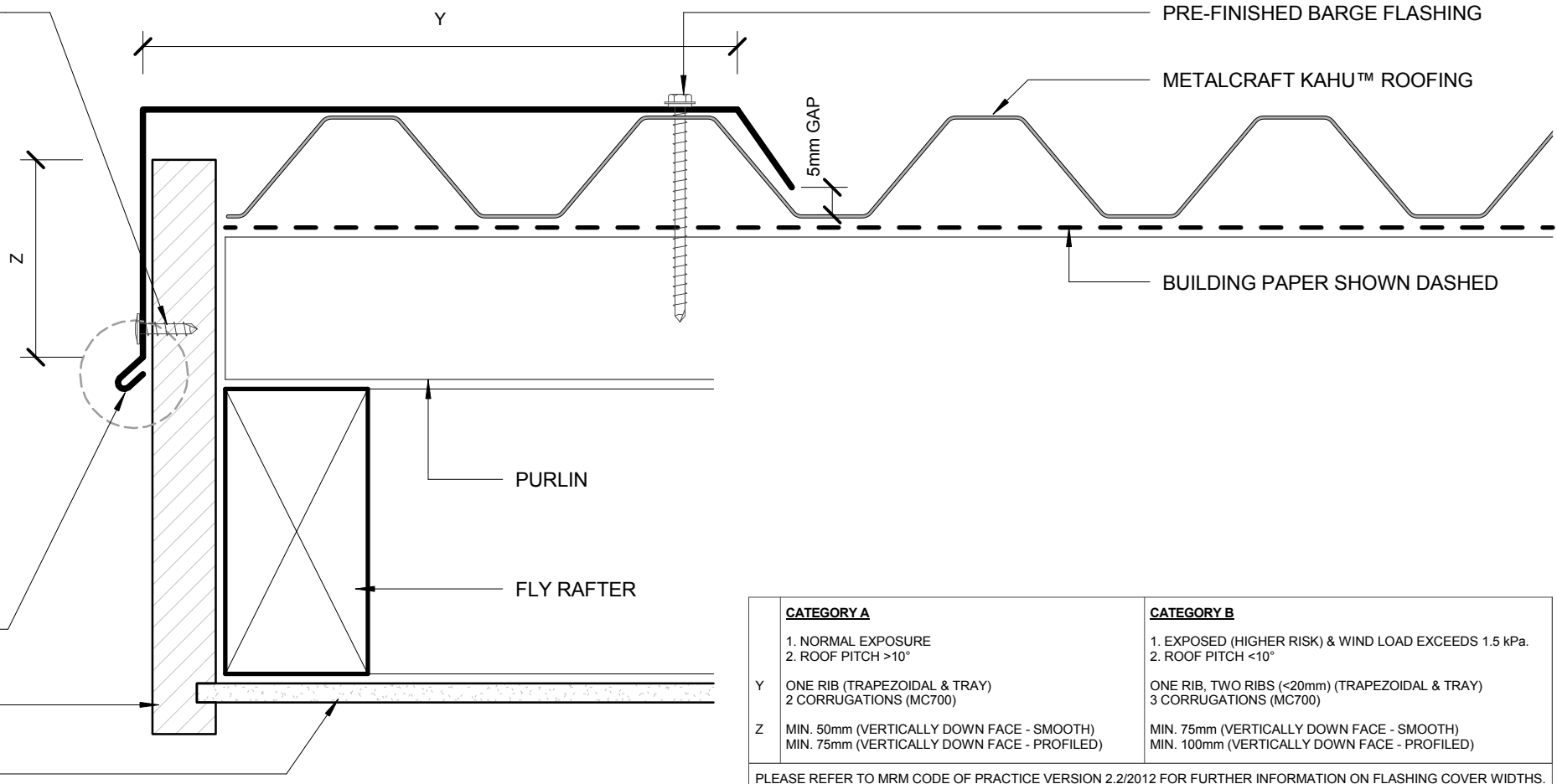


ALTERNATIVE OPTION  
BIRDS BEAK EDGE

HEMMED EDGE

BARGE BOARD

SOFFIT LINING



#### CATEGORY A

1. NORMAL EXPOSURE
2. ROOF PITCH >10°

Y ONE RIB (TRAPEZOIDAL & TRAY)  
2 CORRUGATIONS (MC700)

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°

ONE RIB, TWO RIBS (<20mm) (TRAPEZOIDAL & TRAY)  
3 CORRUGATIONS (MC700)

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°

Y AT LEAST TWO CRESTS

Z MIN. 50mm

#### SITUATION 2

1. VERY HIGH WIND ZONE
2. ALL ROOF PITCHES

Y AT LEAST TWO CRESTS

MIN. 70mm

#### SITUATION 3

1. EXTRA HIGH WIND ZONE
2. ALL ROOF PITCHES

Y AT LEAST TWO CRESTS

MIN. 90mm

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

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Kahu™

**BARGE OVERHANG**  
RESIDENTIAL ROOFING

Reference RRKA

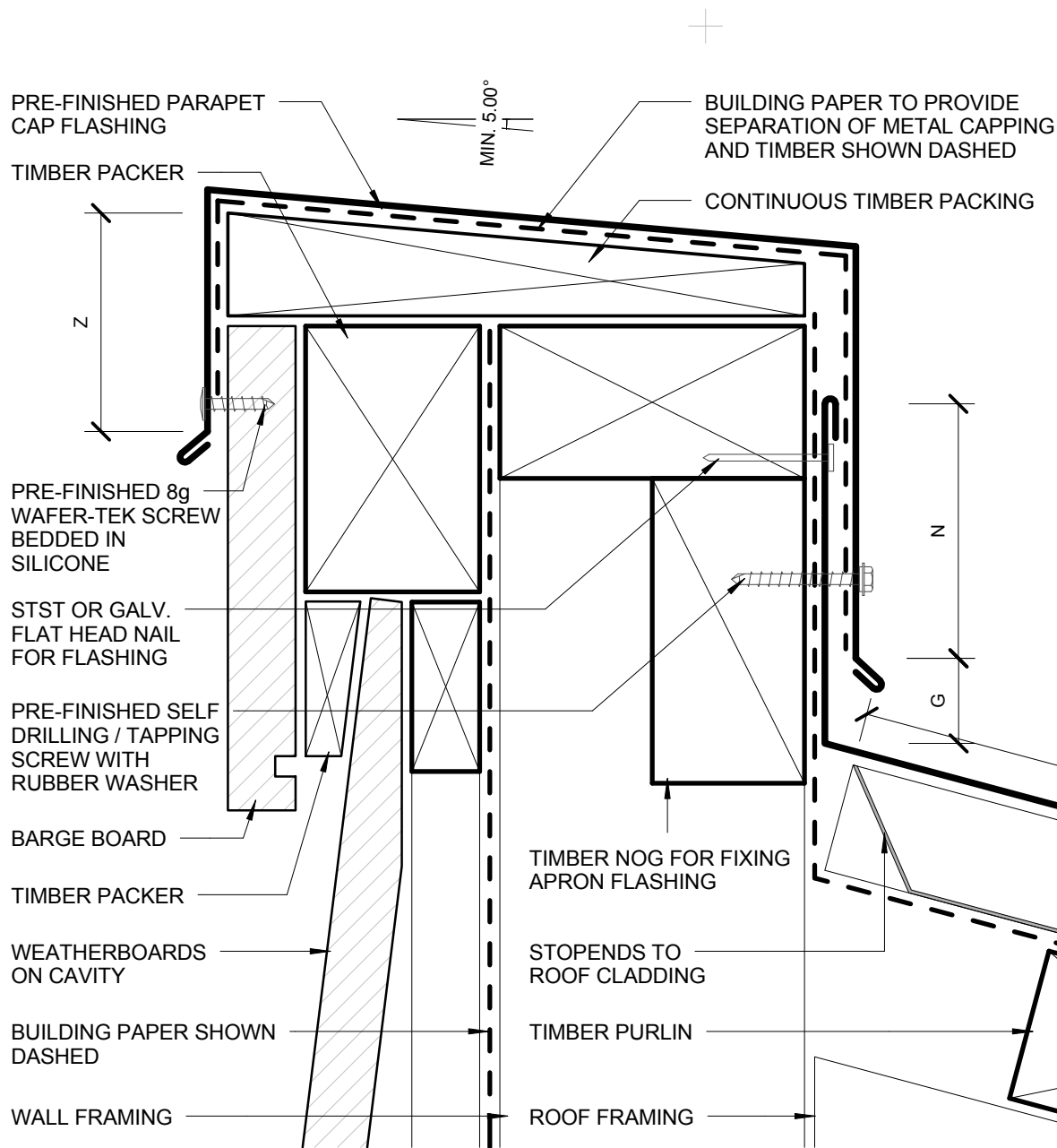
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- BUILDING PAPER IS THE COMMON GENERIC NAME FOR PERMEABLE ROOF AND WALL UNDERLAYS. PLEASE REFER TO NZBC E2/AS1 AND MRM CODE OF PRACTICE VERSION 2.2 /2012.

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

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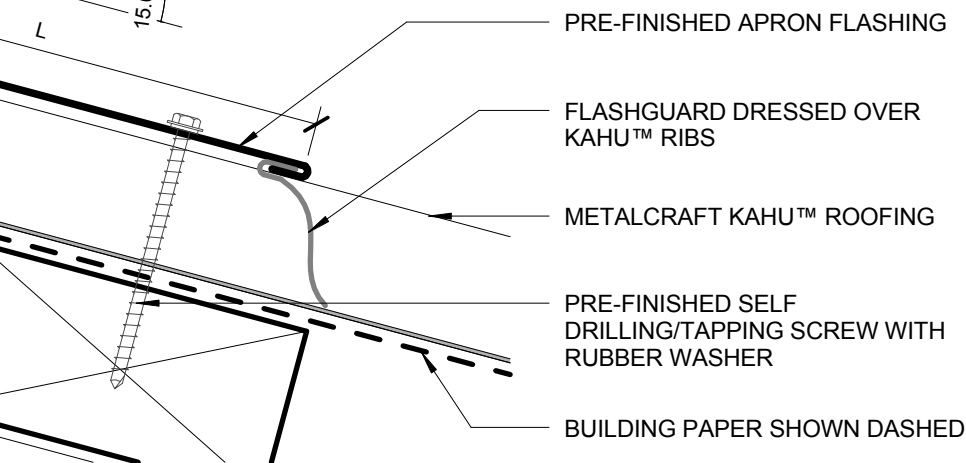
CATEGORY A		CATEGORY B	
1. NORMAL EXPOSURE 2. ROOF PITCH >10°		1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10°	
G	25mm	25mm	
N	MIN. 50mm + HEM <u>OR</u> 75mm (VERTICALLY UP FACE - SMOOTH) MIN. 75mm + HEM <u>OR</u> 100mm (VERTICALLY UP FACE - PROFILED)	MIN. 75mm + HEM <u>OR</u>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

\* KAHU™  
MIN. ROOF PITCH = 4°  
15.00°



## PARAPET WITH TRANSVERSE APRON RESIDENTIAL ROOFING

Kahu™

Reference RRKA

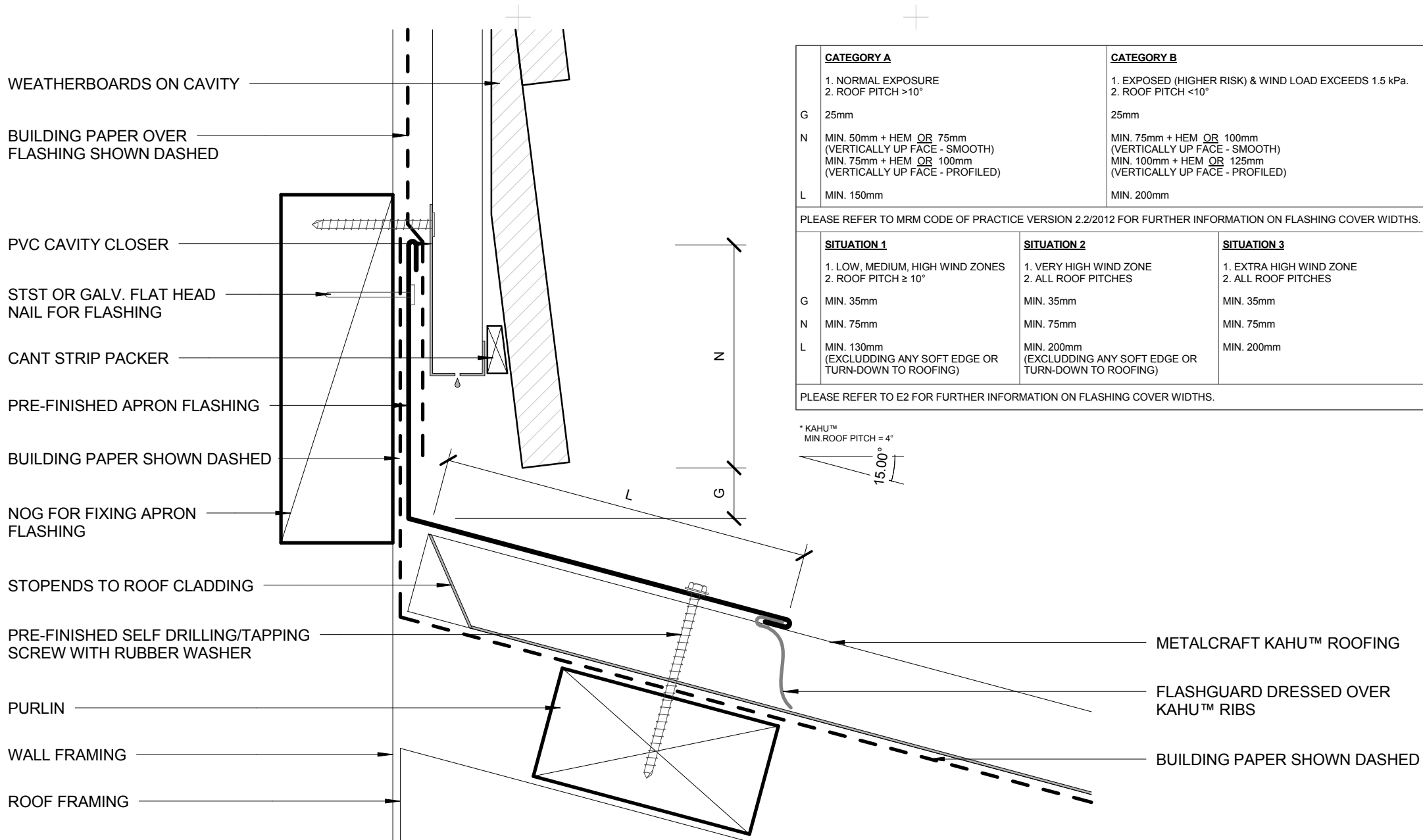
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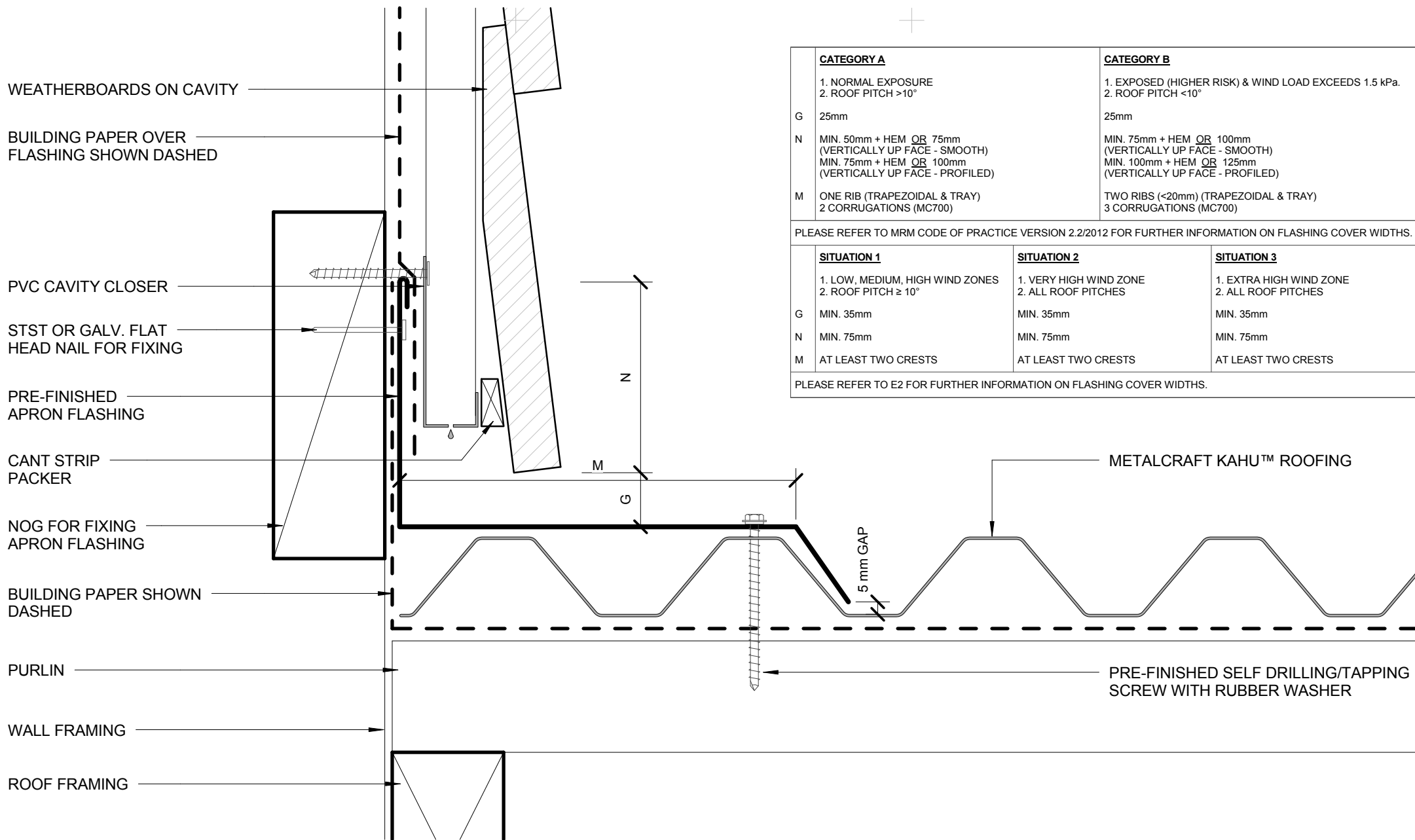
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- BUILDING PAPER IS THE COMMON GENERIC NAME FOR PERMEABLE ROOF AND WALL UNDERLAYS. PLEASE REFER TO NZBC E2/AS1 AND MRM CODE OF PRACTICE VERSION 2.2 /2012.

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





<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°	
G	25mm	25mm	
N	MIN. 50mm + HEM <u>OR</u> 75mm (VERTICALLY UP FACE - SMOOTH) MIN. 75mm + HEM <u>OR</u> 100mm (VERTICALLY UP FACE - PROFILED)	MIN. 75mm + HEM <u>OR</u> 100mm (VERTICALLY UP FACE - SMOOTH) MIN. 100mm + HEM <u>OR</u> 125mm (VERTICALLY UP FACE - PROFILED)	
M	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS (MC700)	TWO RIBS (<20mm) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS (MC700)	
PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS			
	<u>SITUATION 1</u>  1. LOW, MEDIUM, HIGH WIND ZONES 2. ROOF PITCH ≥ 10°	<u>SITUATION 2</u>  1. VERY HIGH WIND ZONE 2. ALL ROOF PITCHES	<u>SITUATION 3</u>  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.			

- 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.

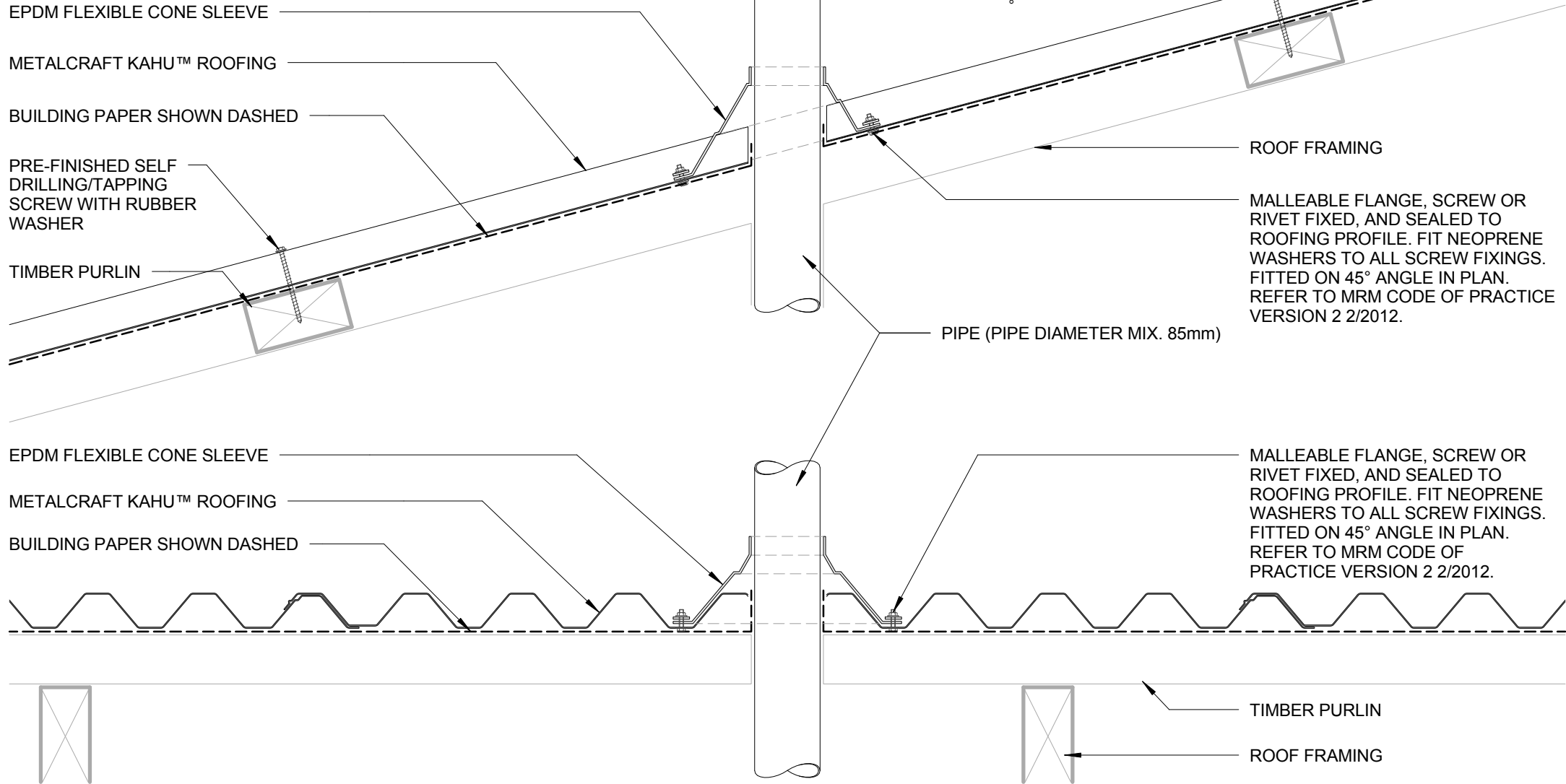
**DISCLAIMER:**  
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THIS DETAIL IS APPLIED ONLY WHEN  
 - ROOF PITCH MIN. 10° and MAX. 45°  
 - PIPE DIAMETER MAX. 85mm

\* MIN. 10° FOR PIPE PENETRATION

15.00°



- 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

RESIDENTIAL ROOFING

Kahu™

Reference RRKA

Rev: R0

Date 2015

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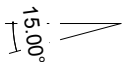
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THIS DETAIL IS APPLIED ONLY WHEN

- 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 KAHU™ 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 KAHU™ ROOFING

5mm GAP

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.

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

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Kahu™

Reference RRKA

## OVER 85mm DIAMETER PIPE PENETRATION

### RESIDENTIAL ROOFING

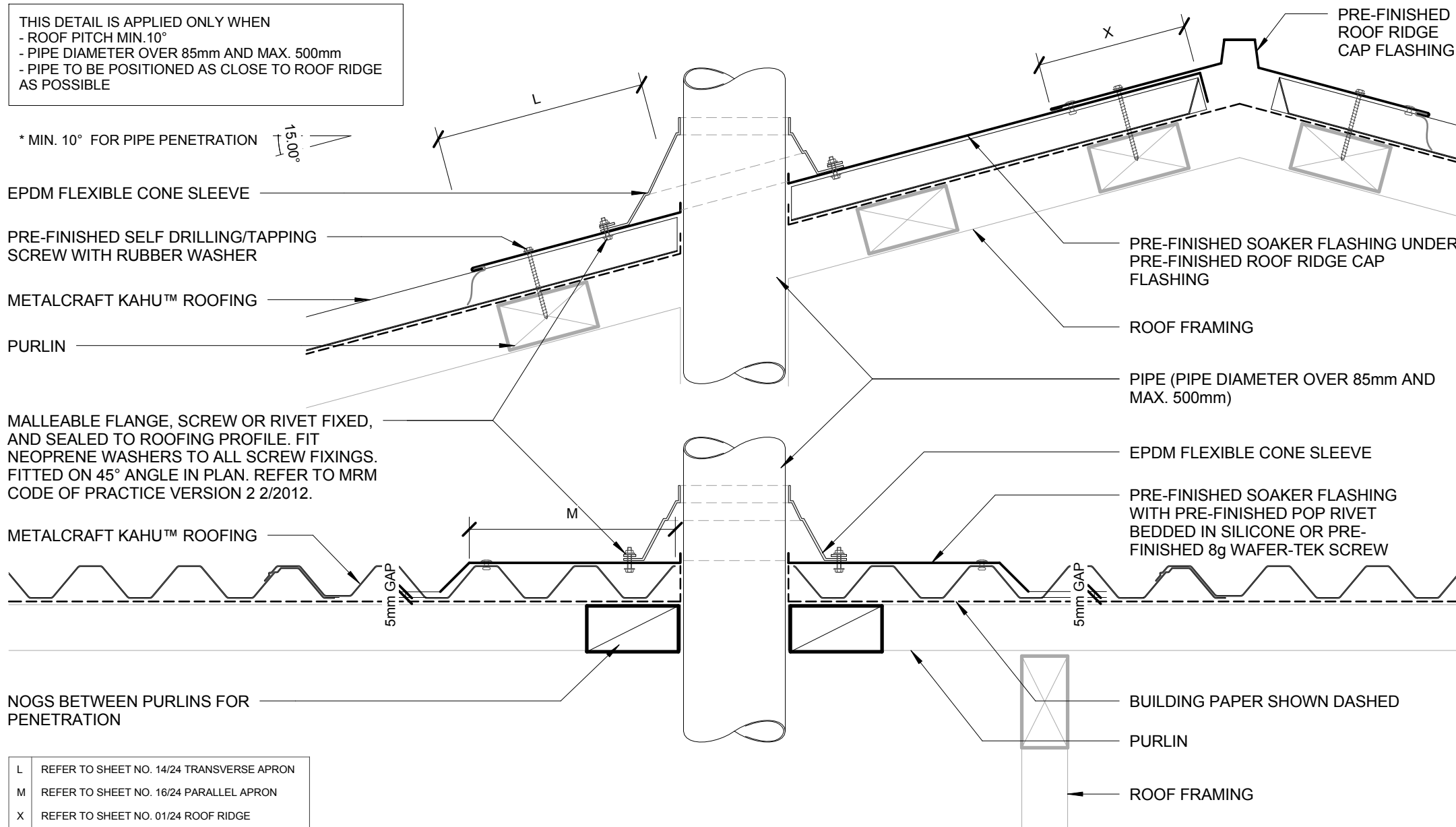
Rev: R0

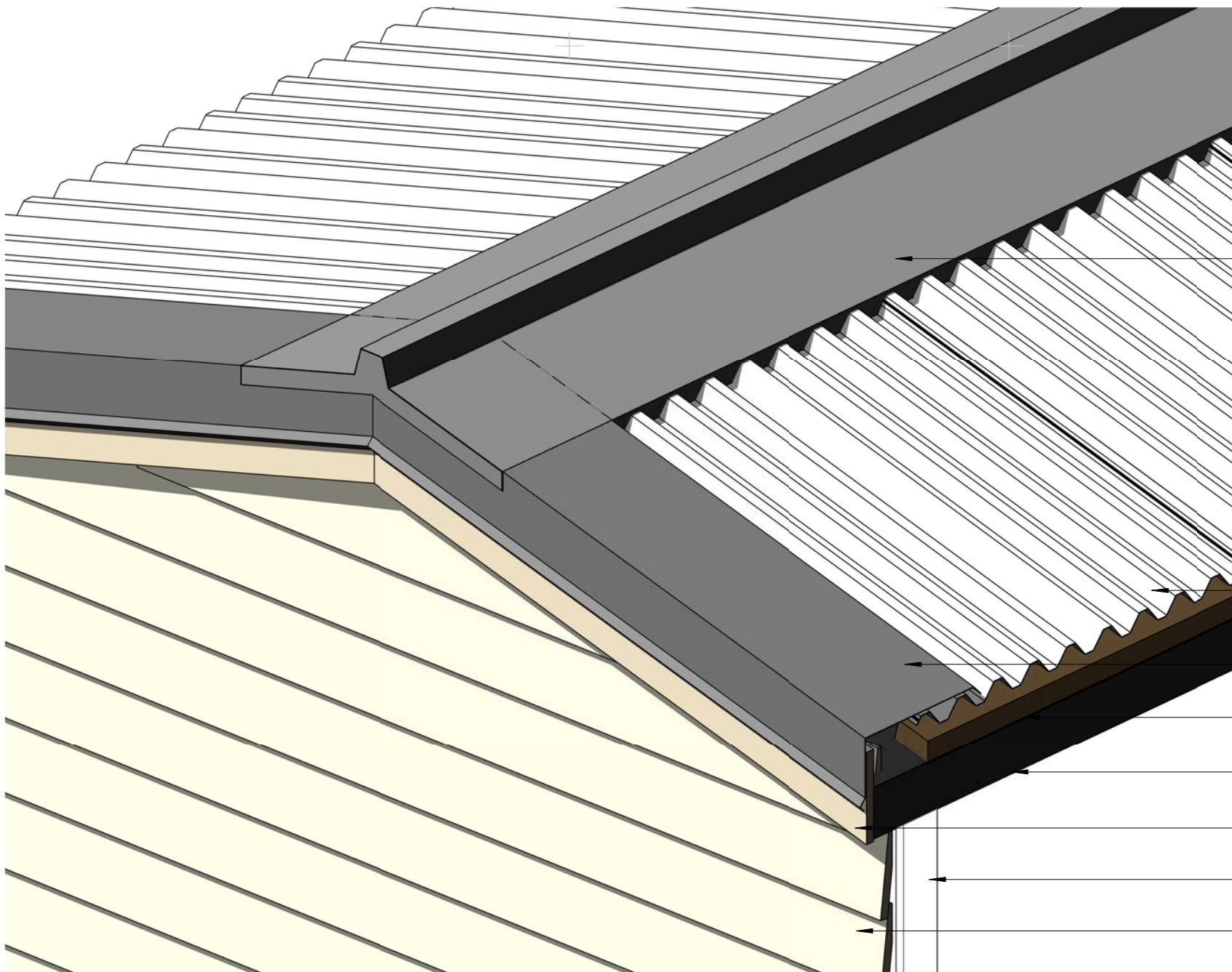
Date 2015

Scale 1 : 5

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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 KAHU™ ROOFING

PRE-FINISHED BARGE FLASHING

PURLIN

ROOF FRAMING

FASCIA BOARD

WALL FRAMING

WALL CLADDING ON CAVITY

### 3D RIDGE TO BARGE JUCTION RESIDENTIAL ROOFING

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Kahu™

Reference RRKA

Rev: R0

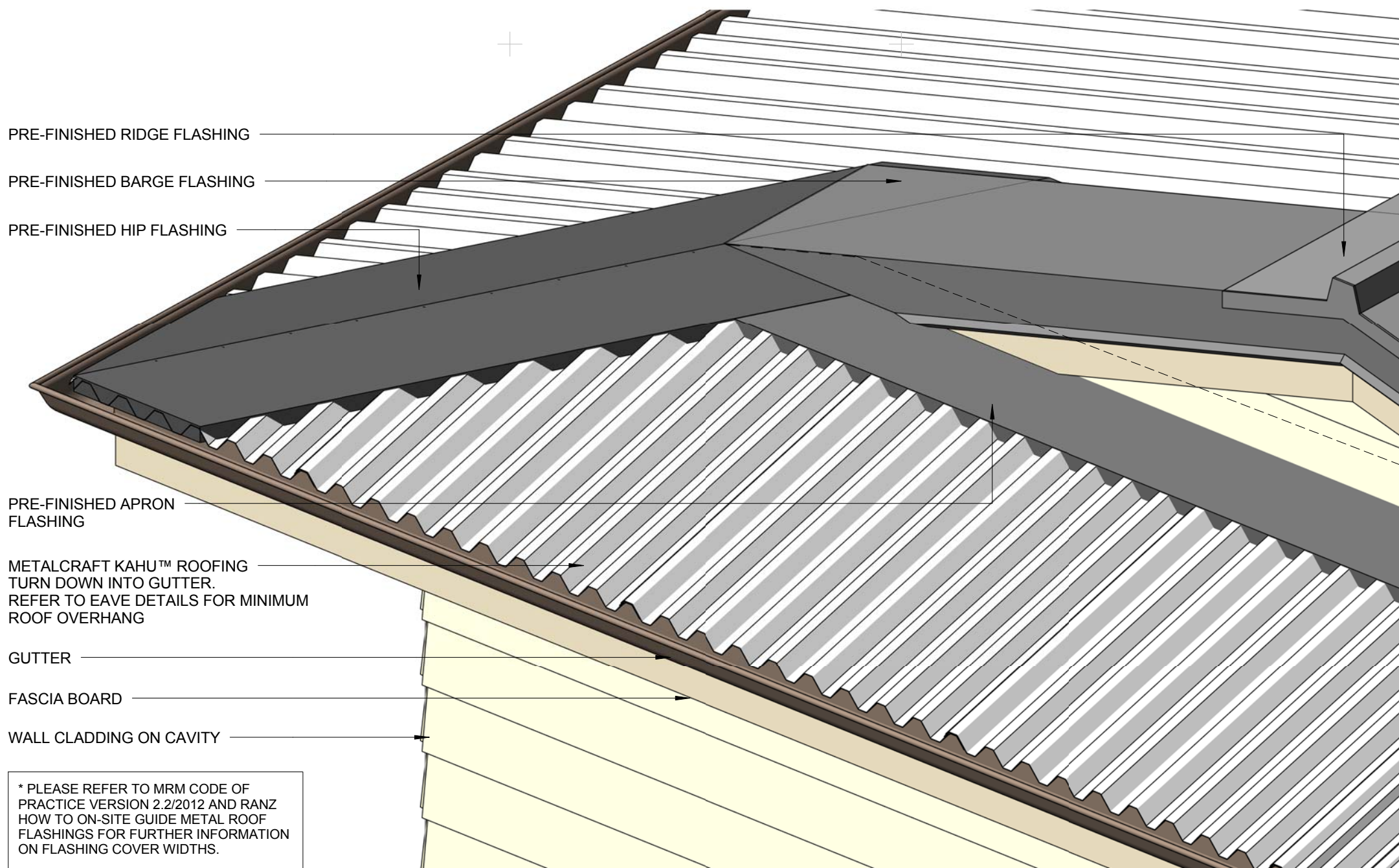
Date 2015

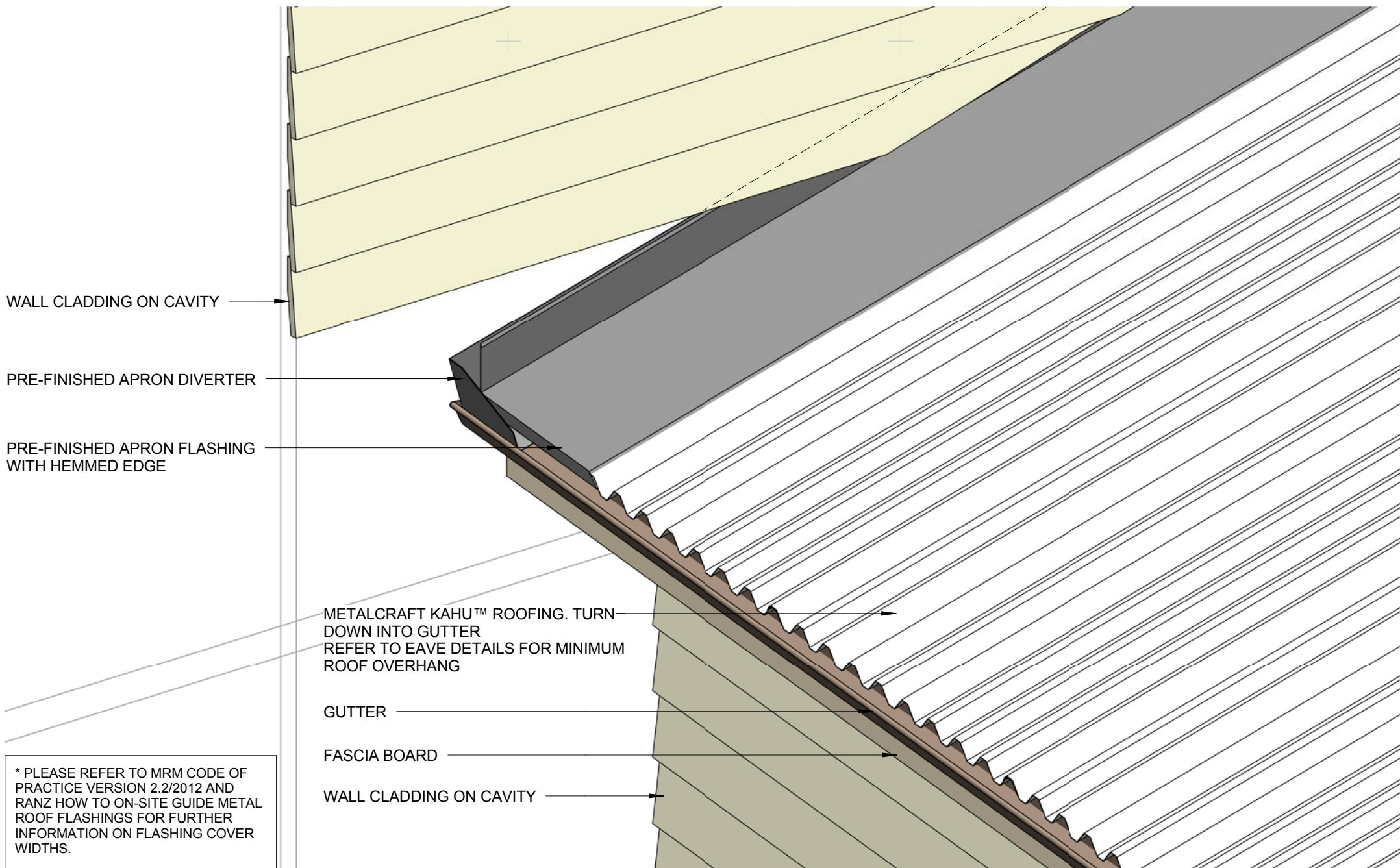
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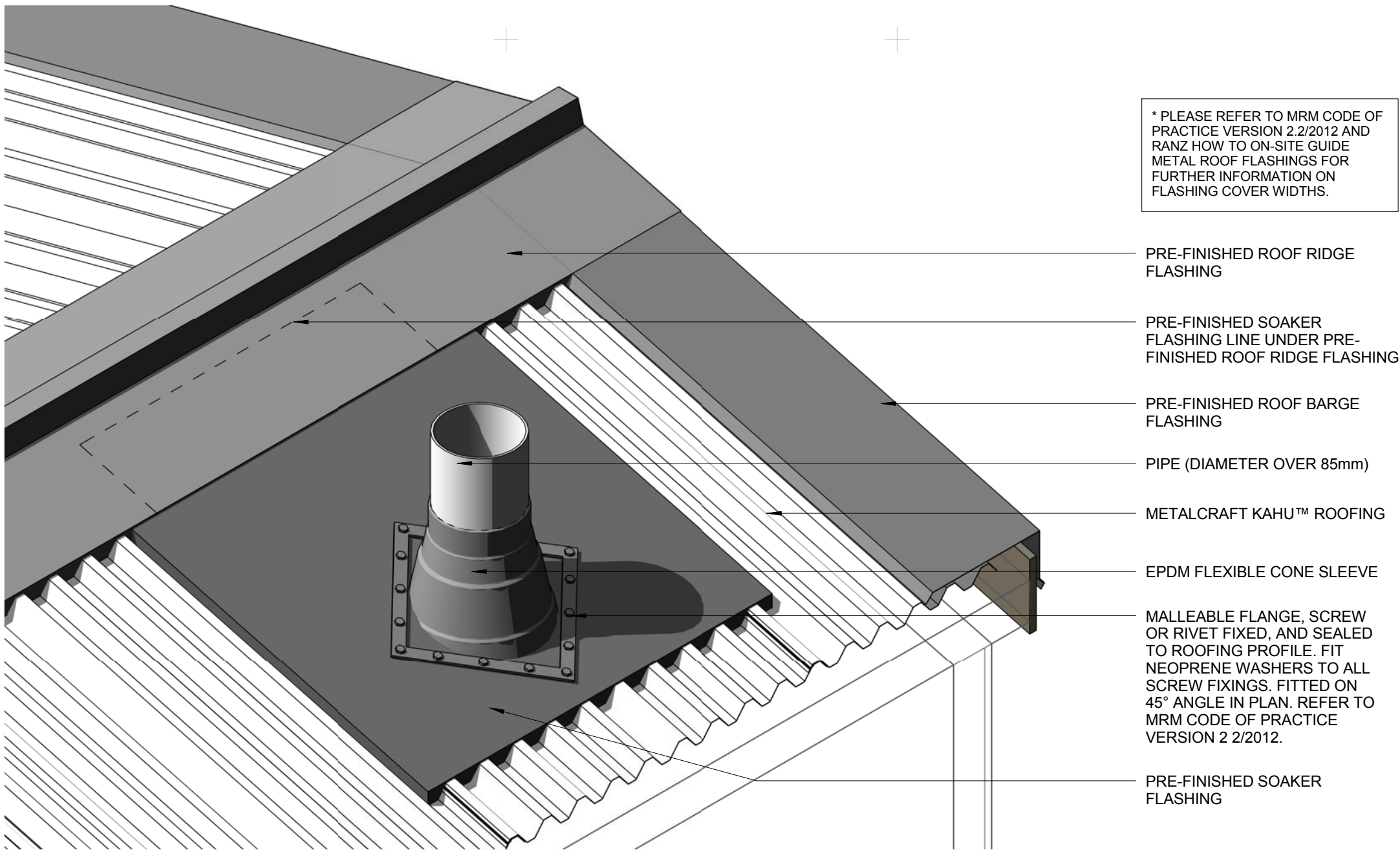
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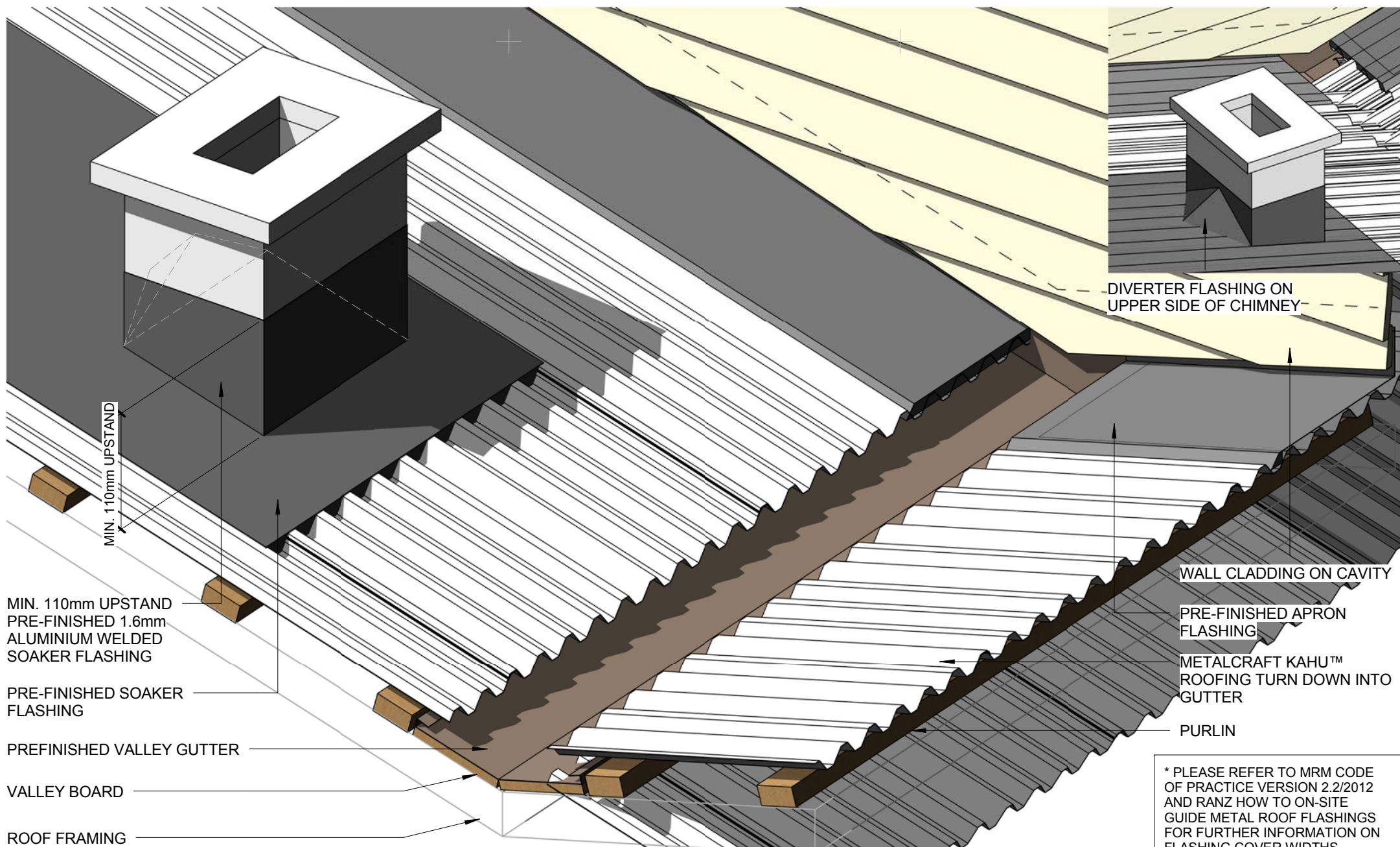




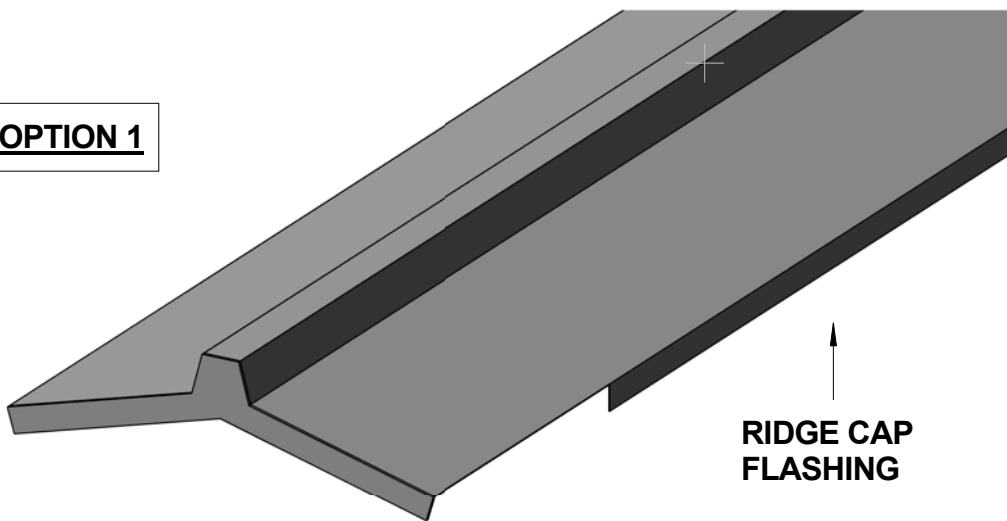


## 3D OVER 85mm DIAMETER PIPE PENETRATION

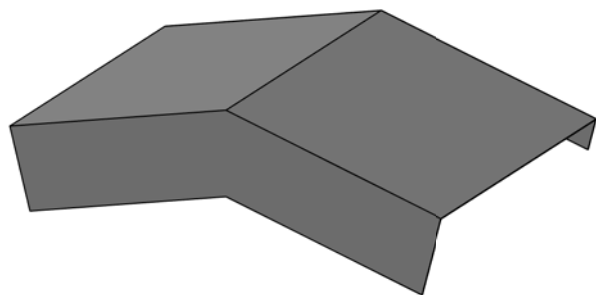
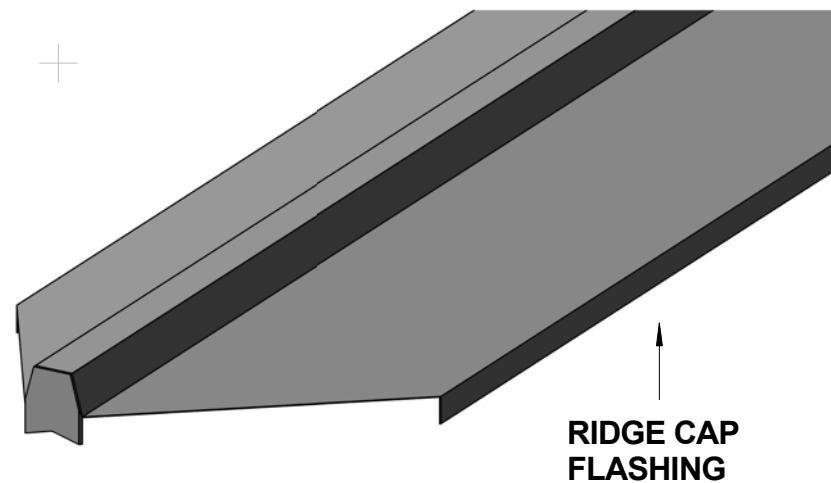
### RESIDENTIAL ROOFING



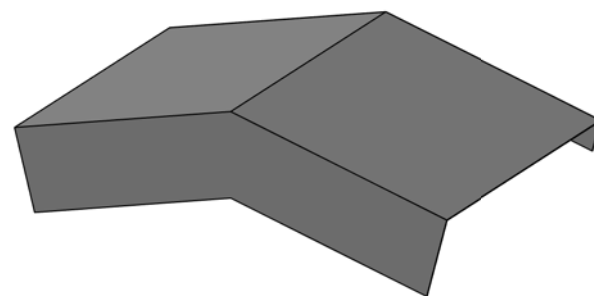
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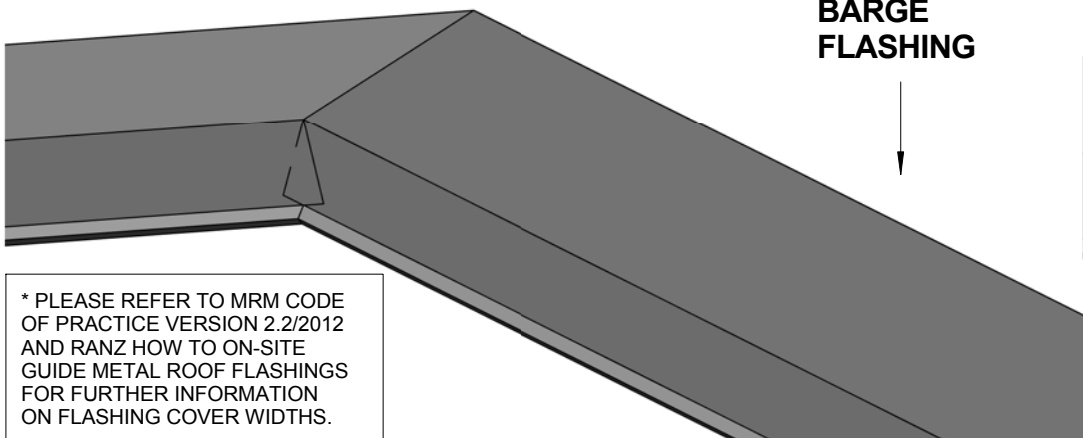
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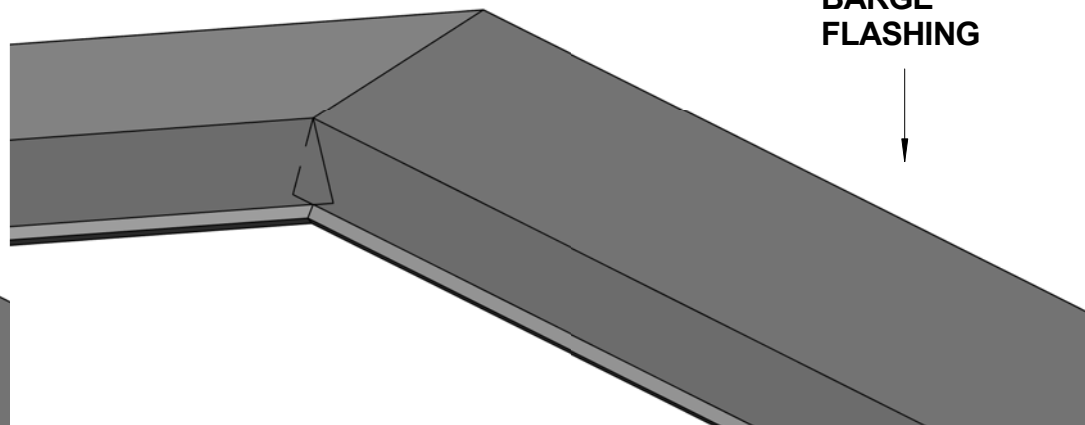
ADDITIONAL  
SADDLE  
FLASHING



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.



**(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

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Kahu™

Reference RRKA

Rev: R0

Date 2015

Scale

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