

ThermoSpan EPS

DETAIL LIST

RESIDENTIAL ROOFING

00 / 25	COVER SHEET
01 / 25	ROOF RIDGE
02 / 25	ROOF RIDGE 2
03 / 25	SAWTOOTH RIDGE
04 / 25	SAWTOOTH EAVE
05 / 25	SAW TOOTH SOFFIT DETAIL
06 / 25	ROOF VALLEY
07 / 25	BARGE WITH PROFILED CLADDING
08 / 25	GUTTER DETAIL
09 / 25	CANTILEVER BARGE CAPPING DETAIL
10 / 25	PARAPET WITH TRANSVERSE APRON
11 / 25	TRANSVERSE APRON
12 / 25	PARALLEL APRON
13 / 25	MAX. 85mm DIAMETER PIPE PENETRATION
14 / 25	OVER 85mm DIAMETER PIPE PENETRATION
15 / 25	RESIDENTIAL STEP DETAIL
15A / 25	EXPANSION STEP DETAIL
16 / 25	CHIMNEY PENETRATION DETAIL
17 / 25	FASCIA AND BARGE FLASHING DIMENSIONS
18 / 25	3D RIDGE TO BARGE JUNCTION
19 / 25	3D DUTCH GABLE
20 / 25	3D APRON
21 / 25	3D OVER 85mm DIAMETER PIPE PENETRATION
22 / 25	3D CHIMNEY PENETRATION
23 / 25	3D RIDGE/BARGE FLASHINGS
24 / 25	3D DUTCH GABLE FLASHINGS
25 / 25	PANEL PROFILE AND SIZE

www.metalcraftgroup.co.nz

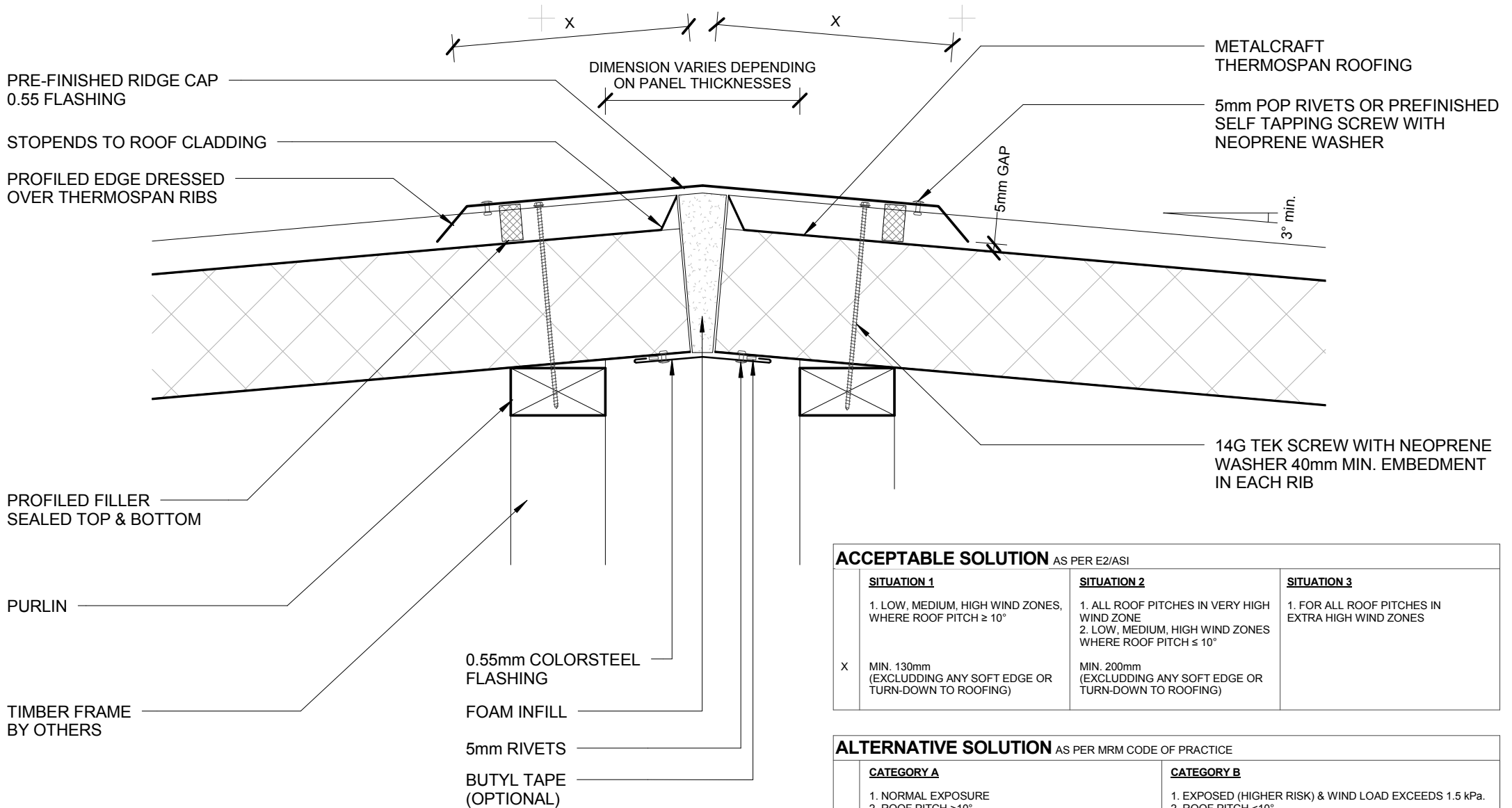
Architectural / Specification Enquiries

Ph: 09 274 0408

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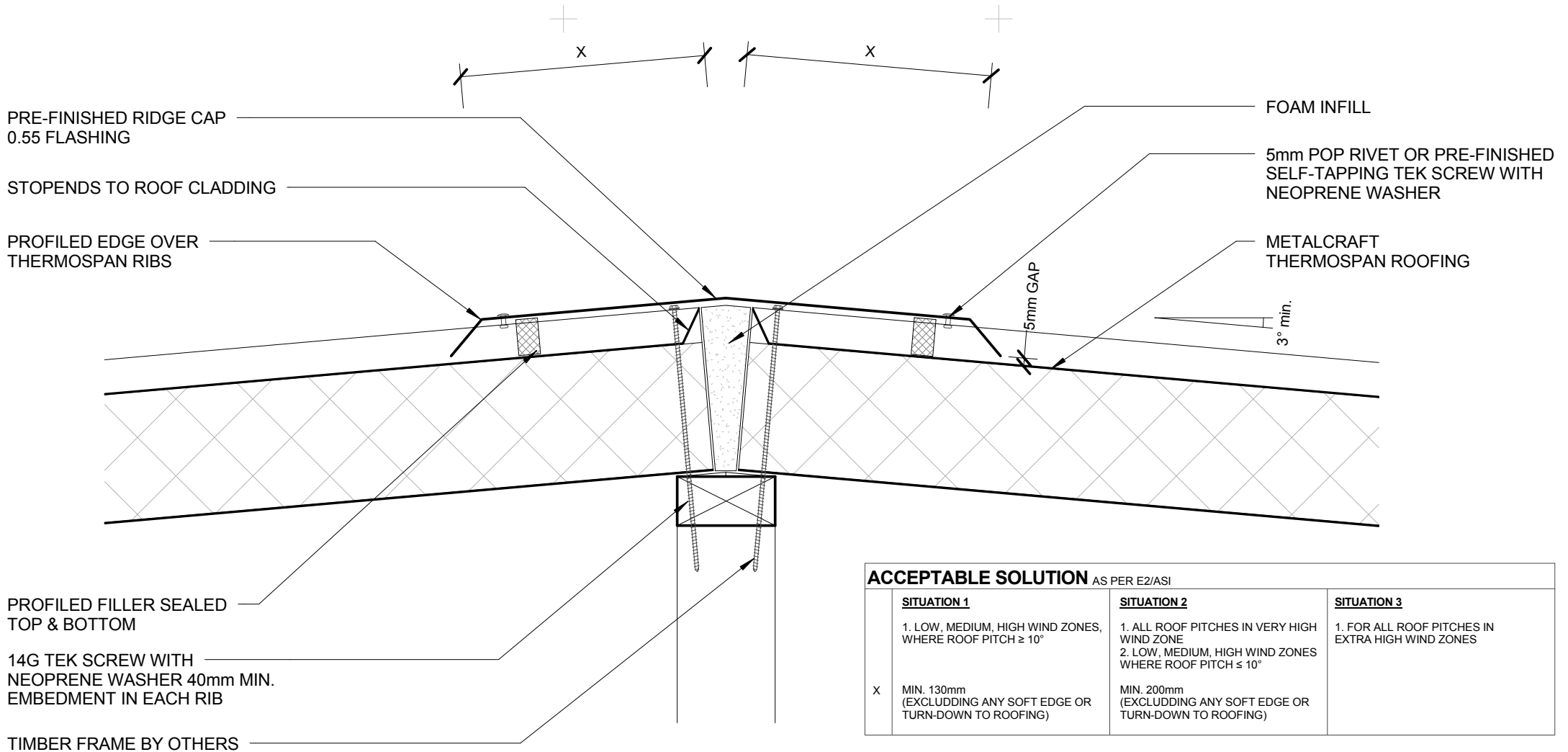
Email: Frances.charles@unitedindustries.co.nz

Metalcraft
Insulated Panel Systems



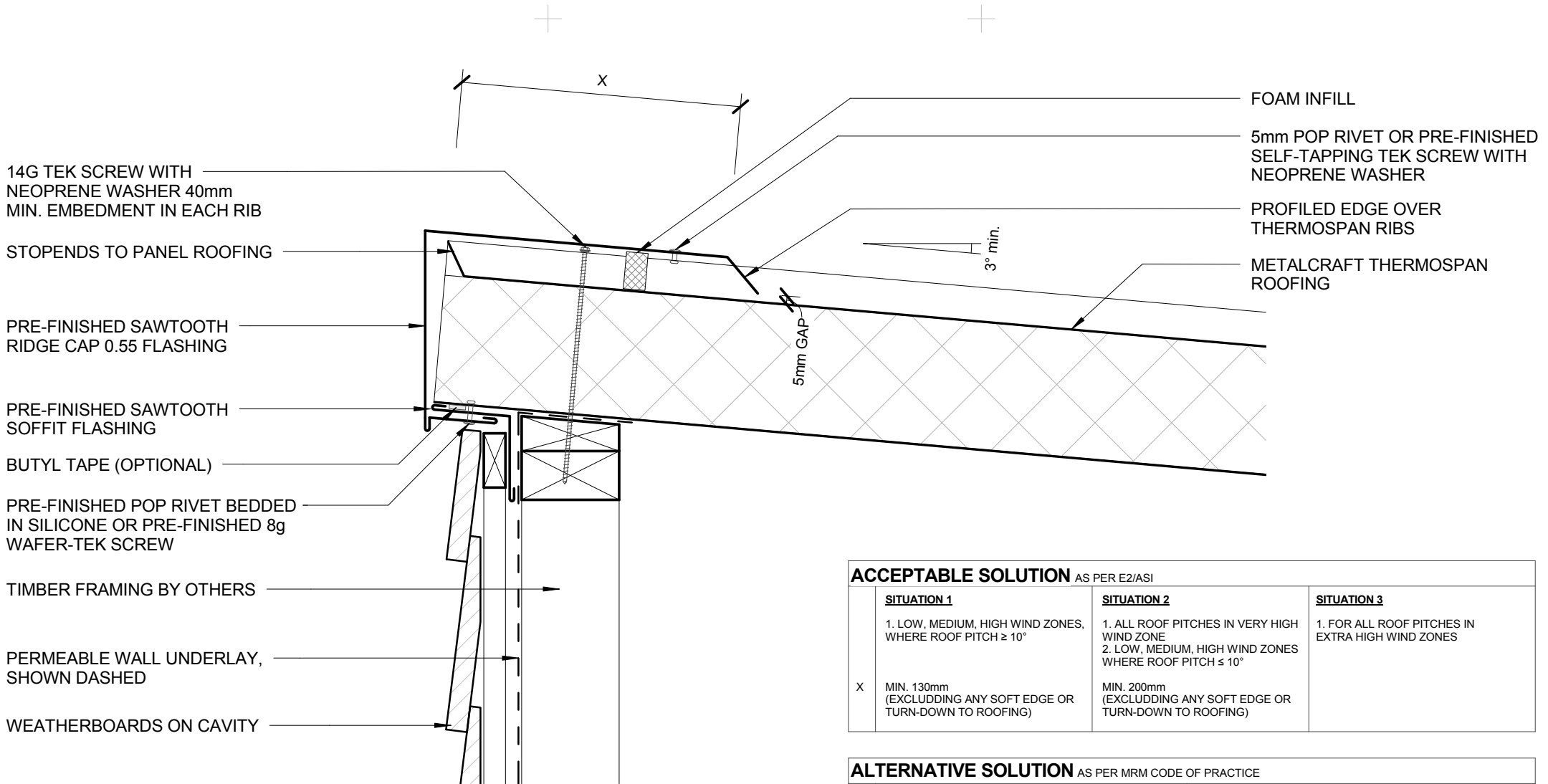
ACCEPTABLE SOLUTION AS PER E2/ASI		
SITUATION 1	SITUATION 2	SITUATION 3
1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. FOR ALL ROOF PITCHES IN EXTRA HIGH WIND ZONES
X MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	X MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	

ALTERNATIVE SOLUTION AS PER MRM CODE OF PRACTICE	
CATEGORY A	CATEGORY B
1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
X MIN. 130mm	X MIN. 200mm



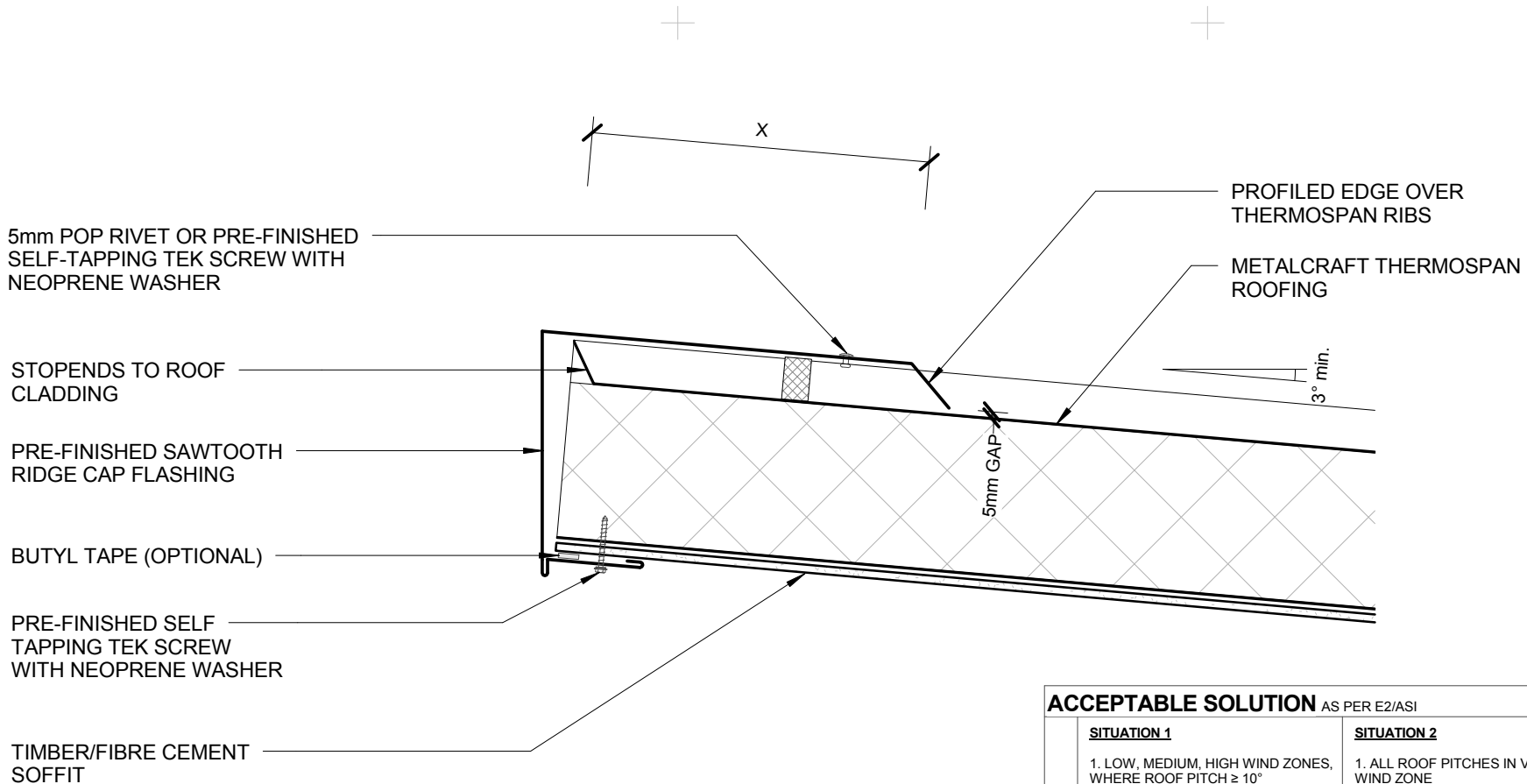
ACCEPTABLE SOLUTION AS PER E2/ASI			
	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. FOR ALL ROOF PITCHES IN EXTRA HIGH WIND ZONES
X	MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	

ALTERNATIVE SOLUTION AS PER MRM CODE OF PRACTICE			
	CATEGORY A	CATEGORY B	
	1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$	
X	MIN. 130mm	MIN. 200mm	



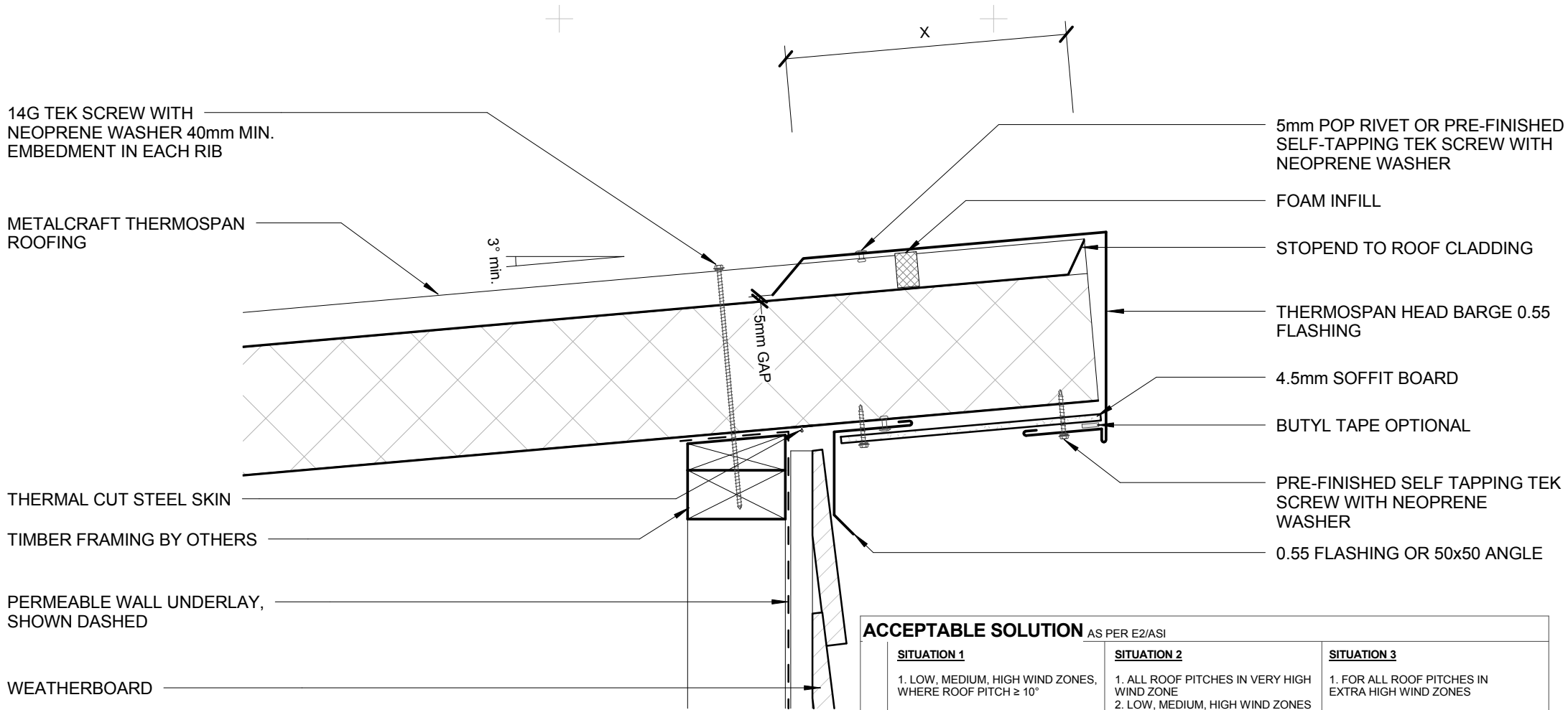
ACCEPTABLE SOLUTION AS PER E2/ASI			
	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. FOR ALL ROOF PITCHES IN EXTRA HIGH WIND ZONES
X	MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	

ALTERNATIVE SOLUTION AS PER MRM CODE OF PRACTICE		
	CATEGORY A	CATEGORY B
	1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
X	MIN. 130mm	MIN. 200mm



ACCEPTABLE SOLUTION AS PER E2/AS1			
	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. FOR ALL ROOF PITCHES IN EXTRA HIGH WIND ZONES
X	MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	

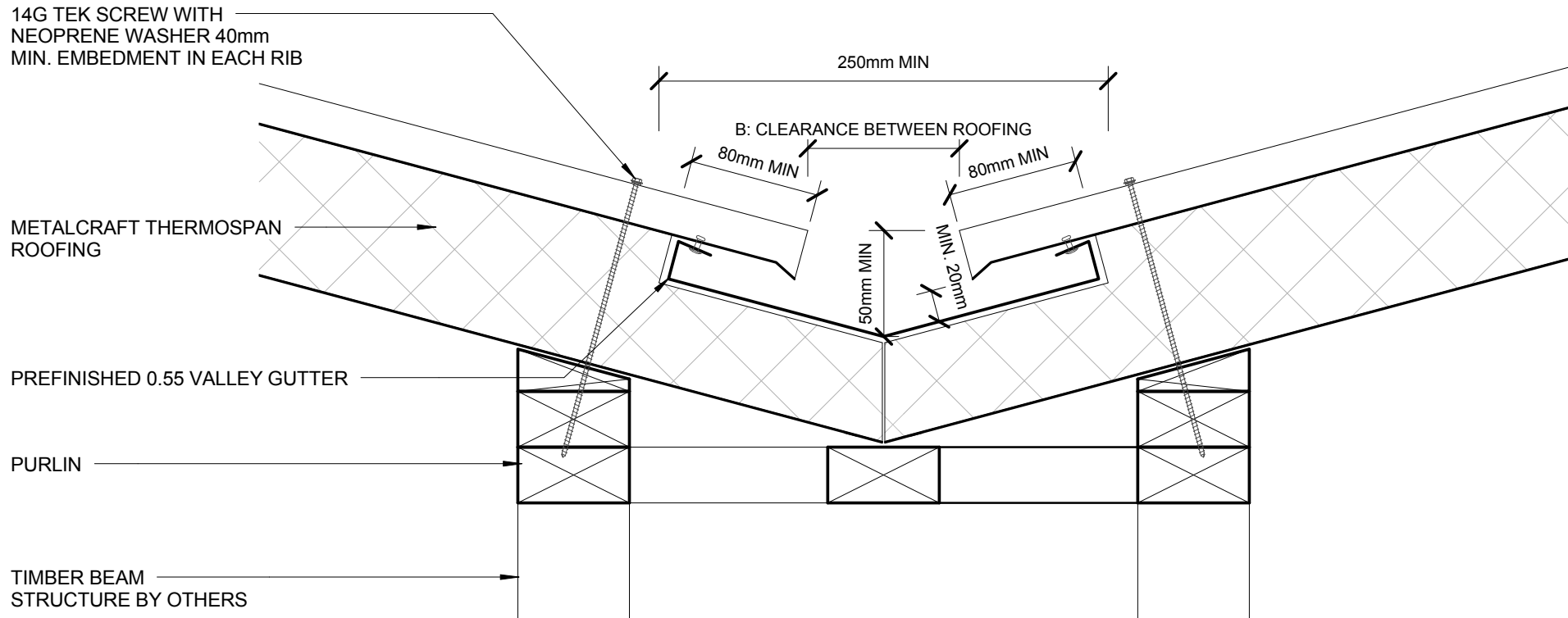
ALTERNATIVE SOLUTION AS PER MRM CODE OF PRACTICE		
	CATEGORY A	CATEGORY B
	1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
X	MIN. 130mm	MIN. 200mm



ACCEPTABLE SOLUTION AS PER E2/ASI		
SITUATION 1	SITUATION 2	SITUATION 3
1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. FOR ALL ROOF PITCHES IN EXTRA HIGH WIND ZONES
X MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	

ALTERNATIVE SOLUTION AS PER MRM CODE OF PRACTICE	
CATEGORY A	CATEGORY B
1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
X MIN. 130mm	MIN. 200mm

SAW TOOTH SOFFIT DETAIL
RESIDENTIAL ROOFING



ACCEPTABLE SOLUTION AS PER E2/ASI		
	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

5mm RIVETS @ 250CRS.

Z PROFILE (NOT REQUIRED WHEN OVER 2 RIBS)

METALCRAFT THERMOSPAN ROOFING

14G TEK SCREW WITH NEOPRENE WASHER 40mm MIN. EMBEDMENT

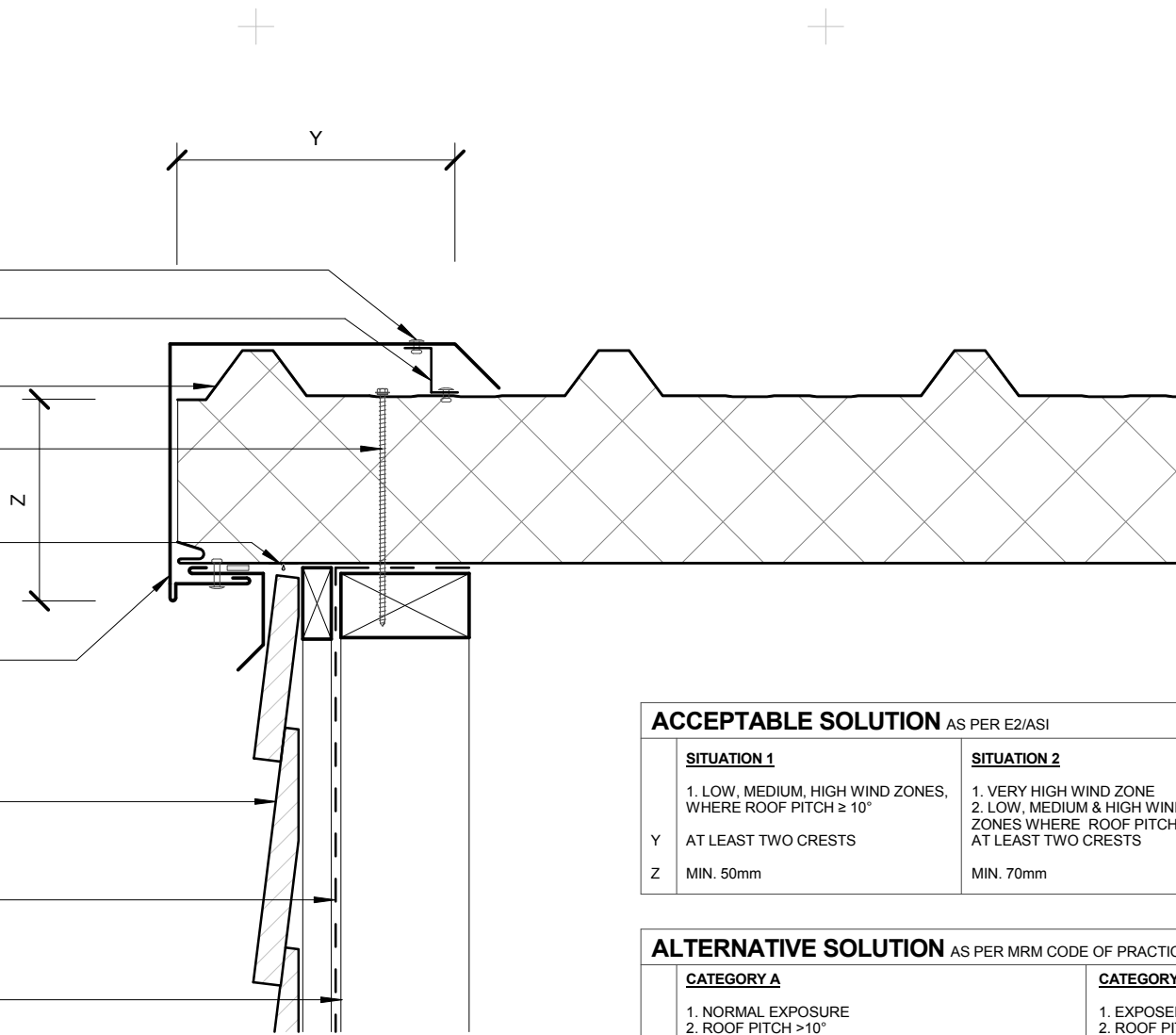
THERMAL CUT STEEL SKIN

PRE-FINISHED 0.55 BARGE FLASHING

WEATHERBOARDS ON CAVITY

PERMEABLE WALL UNDERLAY, SHOWN DASHED

TIMBER FRAMING BY OTHERS

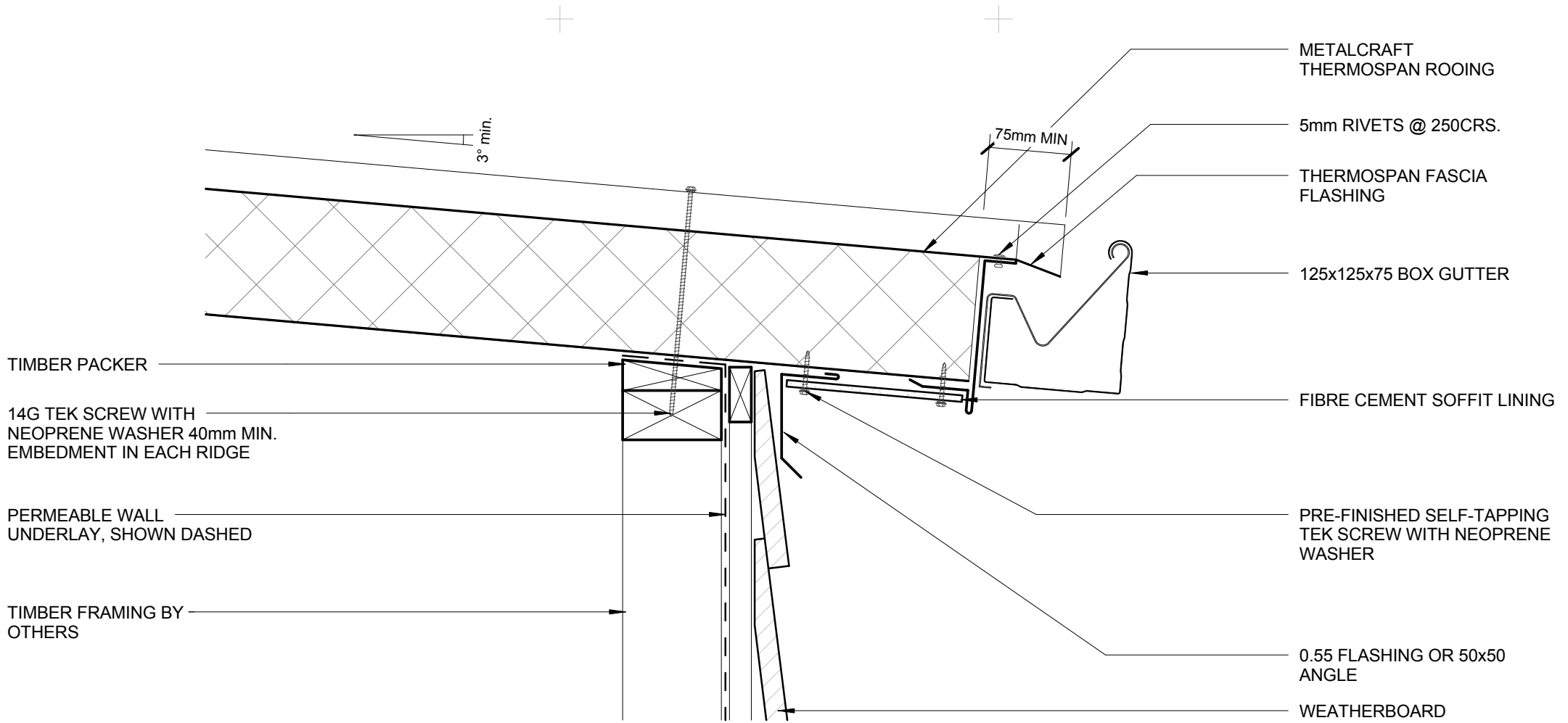


ACCEPTABLE SOLUTION AS PER E2/ASI

	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. VERY HIGH WIND ZONE 2. LOW, MEDIUM & HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE
Y	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS
Z	MIN. 50mm	MIN. 70mm	MIN. 90mm

ALTERNATIVE SOLUTION AS PER MRM CODE OF PRACTICE

	CATEGORY A	CATEGORY B
	1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
Y	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS	ONE RIB, TWO RIBS ($<20\text{mm}$) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS
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)



TIMBER PACKER

14G TEK SCREW WITH NEOPRENE WASHER 40mm MIN. EMBEDMENT IN EACH RIDGE

PERMEABLE WALL UNDERLAY, SHOWN DASHED

TIMBER FRAMING BY OTHERS

METALCRAFT THERMOSPAN ROOFING

5mm RIVETS @ 250CRS.

THERMOSPAN FASCIA FLASHING

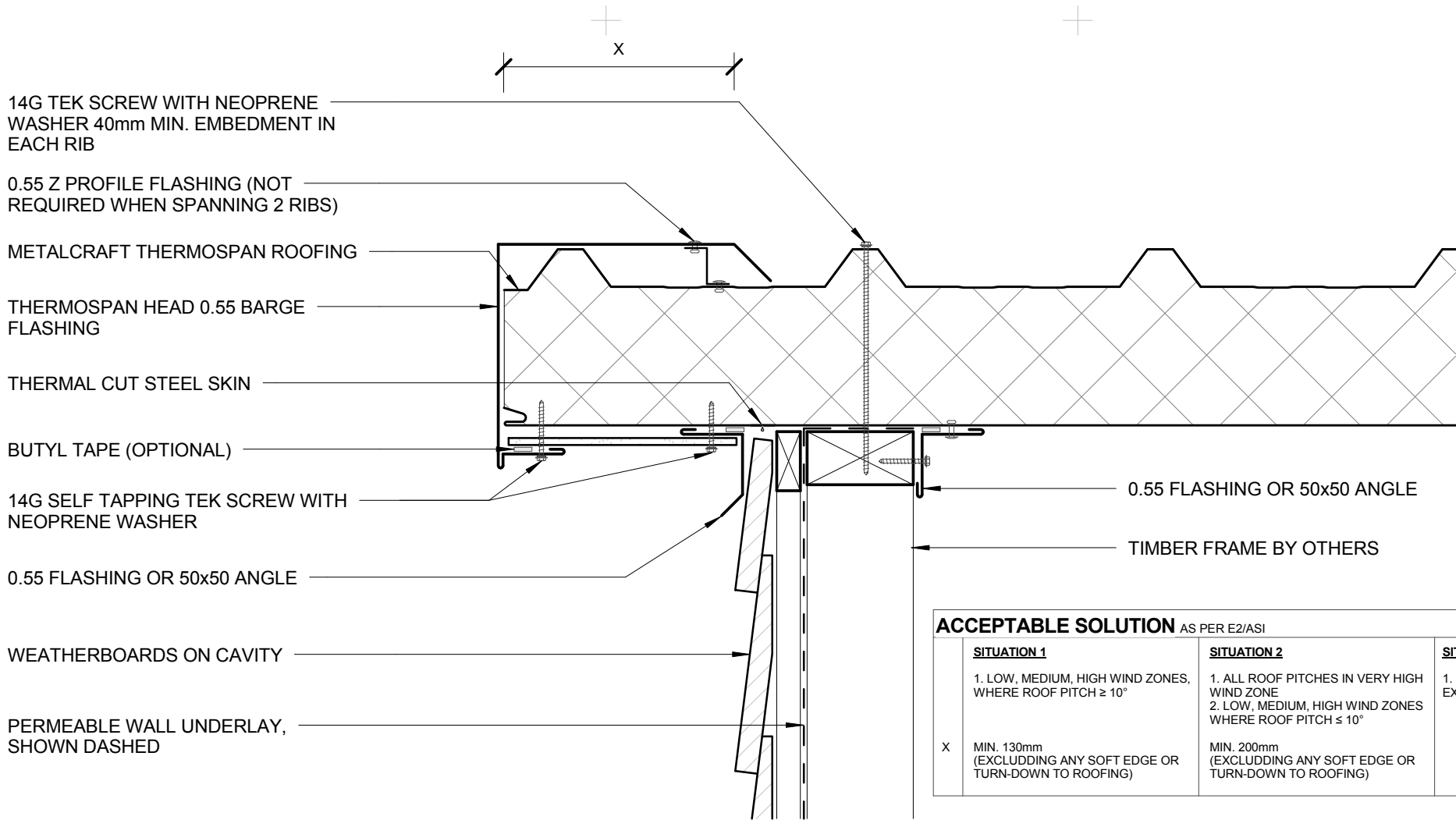
125x125x75 BOX GUTTER

FIBRE CEMENT SOFFIT LINING

PRE-FINISHED SELF-TAPPING TEK SCREW WITH NEOPRENE WASHER

0.55 FLASHING OR 50x50 ANGLE

WEATHERBOARD



14G TEK SCREW WITH NEOPRENE WASHER 40mm MIN. EMBEDMENT IN EACH RIB

0.55 Z PROFILE FLASHING (NOT REQUIRED WHEN SPANNING 2 RIBS)

METALCRAFT THERMOSPAN ROOFING

THERMOSPAN HEAD 0.55 BARGE FLASHING

THERMAL CUT STEEL SKIN

BUTYL TAPE (OPTIONAL)

14G SELF TAPPING TEK SCREW WITH NEOPRENE WASHER

0.55 FLASHING OR 50x50 ANGLE

WEATHERBOARDS ON CAVITY

PERMEABLE WALL UNDERLAY, SHOWN DASHED

0.55 FLASHING OR 50x50 ANGLE

TIMBER FRAME BY OTHERS

ACCEPTABLE SOLUTION AS PER E2/AS1

SITUATION 1	SITUATION 2	SITUATION 3
1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. FOR ALL ROOF PITCHES IN EXTRA HIGH WIND ZONES
X MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	

ALTERNATIVE SOLUTION AS PER MRM CODE OF PRACTICE

CATEGORY A	CATEGORY B
1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
X MIN. 130mm	MIN. 200mm

- 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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Metalcraft
Insulated Panel Systems

CANTILEVER BARGE CAPPING DETAIL
RESIDENTIAL ROOFING

ThermoSpan Residential

Reference RRTS

Date 30.08.2016

Scale 1 : 5

Sheet

09 / 25

PERMEABLE WALL UNDERLAY TO PROVIDE SEPARATION OF METAL CAPPING AND TIMBER, SHOWN DASHED

CONTINUOUS TIMBER PACKING

PRE-FINISHED 0.55 PARAPET CAP FLASHING

TIMBER PACKER

PRE-FINISHED SELF TAPPING WAFER-TEK SCREW WITH NEOPRENE WASHER

BARGE BOARD

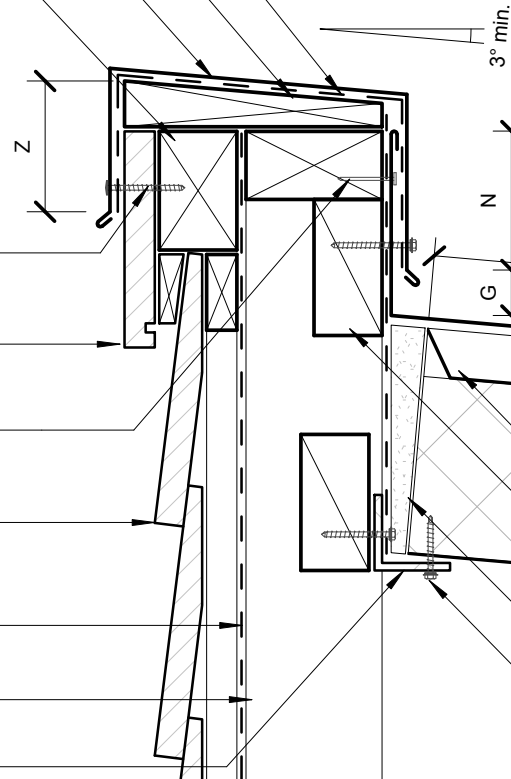
STST OR GALV. FLAT HEAD NAIL FOR FLASHING

WEATHERBOARDS ON CAVITY

PERMEABLE WALL UNDERLAY, SHOWN DASHED

WALL FRAMING

ALUM. ANGLE ENGINEERED BY OTHERS



ACCEPTABLE SOLUTION AS PER E2/ASI

	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, & HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE
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 (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)
Z	MIN. 50mm	MIN. 70mm	MIN. 90mm

ALTERNATIVE SOLUTION AS PER MRM CODE OF PRACTICE

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

5mm POP RIVET OR PRE-FINISHED SELF-TAPPING TEK SCREW WITH NEOPRENE WASHER

PRE-FINISHED APRON FLASHING

STOPENDS TO ROOF CLADDING

TIMBER NOG FOR FIXING APRON FLASHING

FOAM FILL

SELF TAPPING TEK SCREW WITH NEOPRENE WASHER

PARAPET WITH TRANSVERSE APRON

ThermoSpan Residential

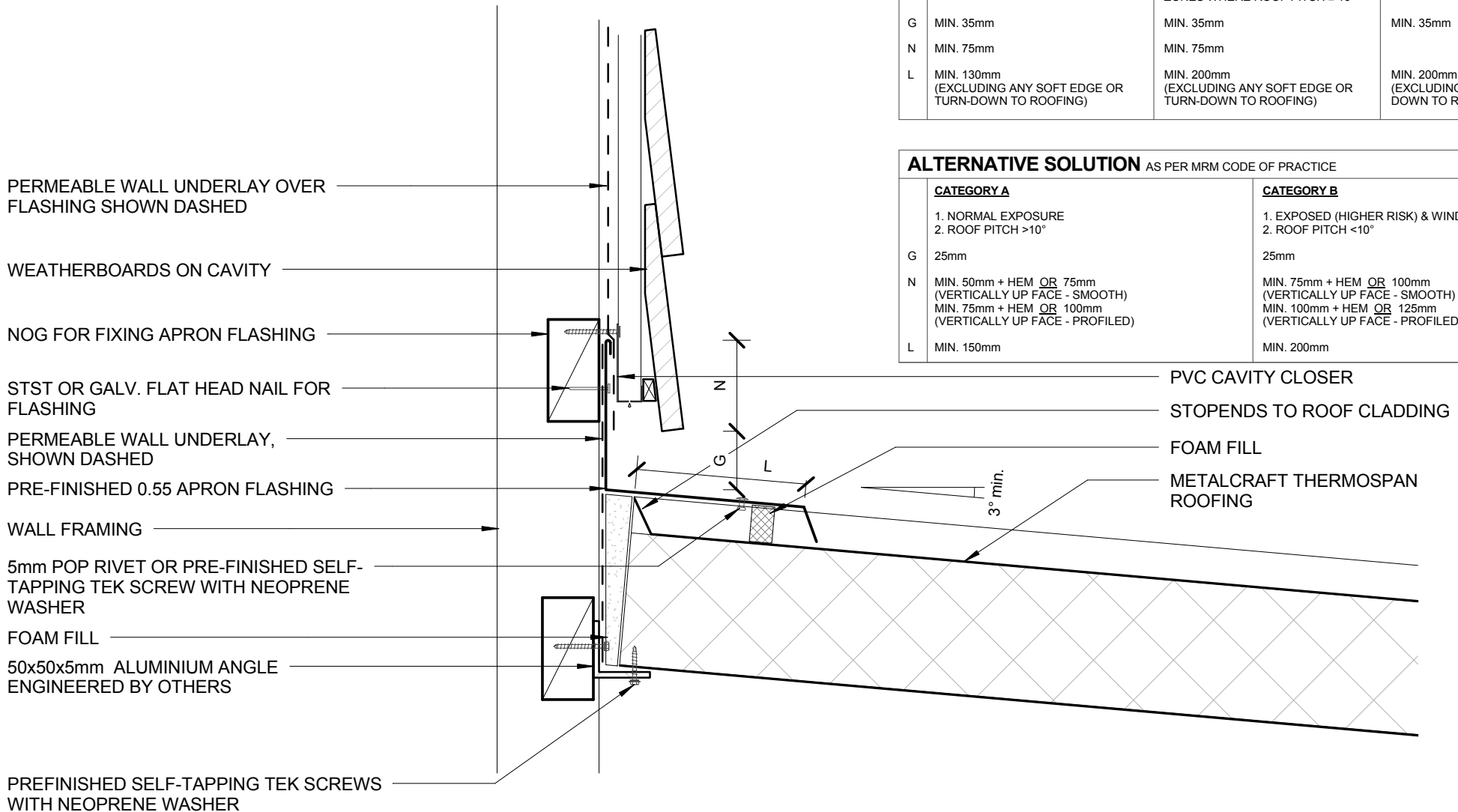
RESIDENTIAL ROOFING

ACCEPTABLE SOLUTION AS PER E2/ASI

	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONES 2. LOW, MEDIUM, AND HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE
G	MIN. 35mm	MIN. 35mm	MIN. 35mm
N	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 (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)

ALTERNATIVE SOLUTION AS PER MRM CODE OF PRACTICE

	CATEGORY A	CATEGORY B
	1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
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



PERMEABLE WALL UNDERLAY OVER FLASHING SHOWN DASHED

WEATHERBOARDS ON CAVITY

NOG FOR FIXING APRON FLASHING

STST OR GALV. FLAT HEAD NAIL FOR FLASHING

PERMEABLE WALL UNDERLAY, SHOWN DASHED

PRE-FINISHED 0.55 APRON FLASHING

WALL FRAMING

5mm POP RIVET OR PRE-FINISHED SELF-TAPPING TEK SCREW WITH NEOPRENE WASHER

FOAM FILL

50x50x5mm ALUMINIUM ANGLE ENGINEERED BY OTHERS

PREFINISHED SELF-TAPPING TEK SCREWS WITH NEOPRENE WASHER

PVC CAVITY CLOSER

STOPENDS TO ROOF CLADDING

FOAM FILL

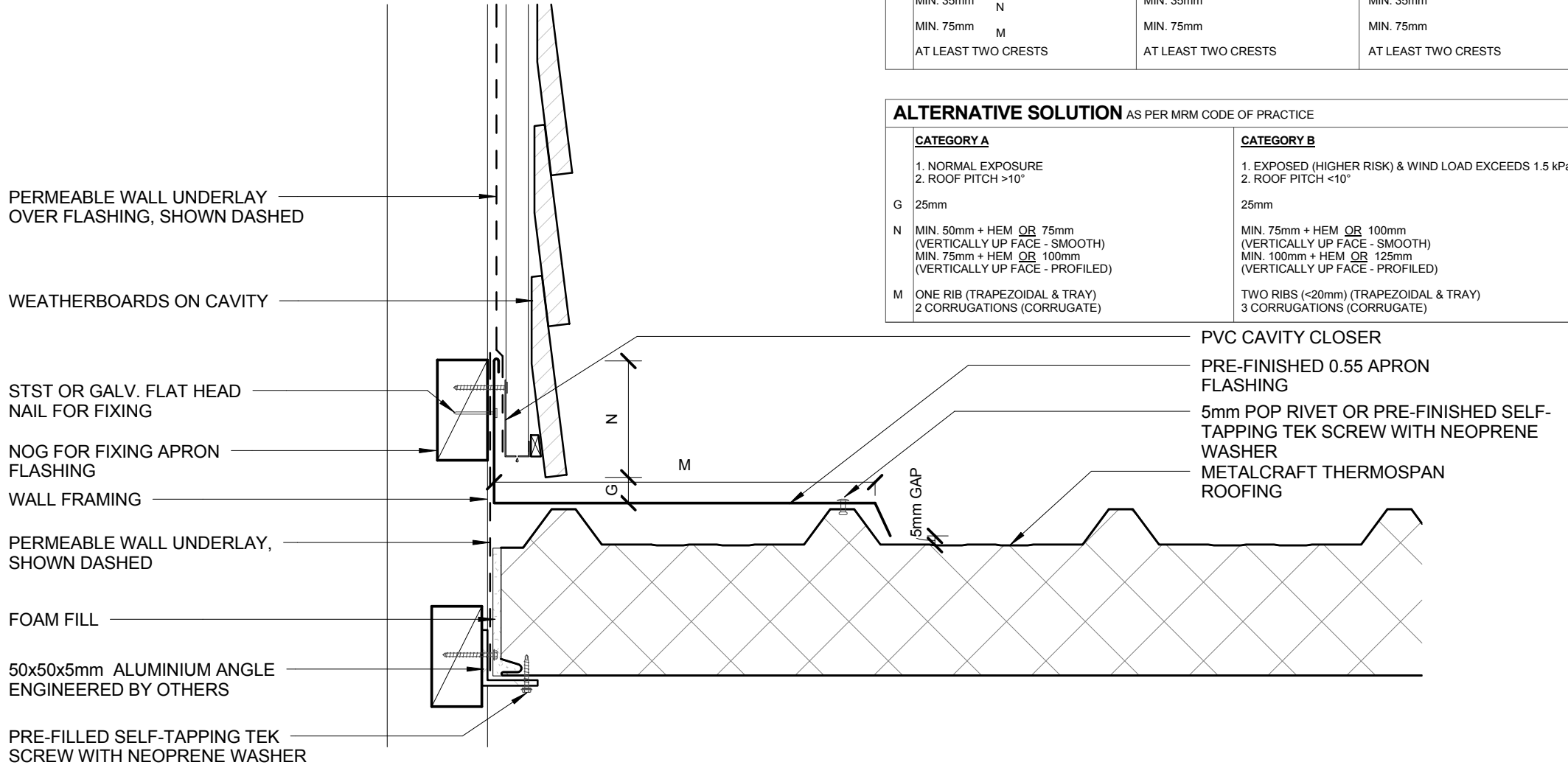
METALCRAFT THERMOSPAN ROOFING

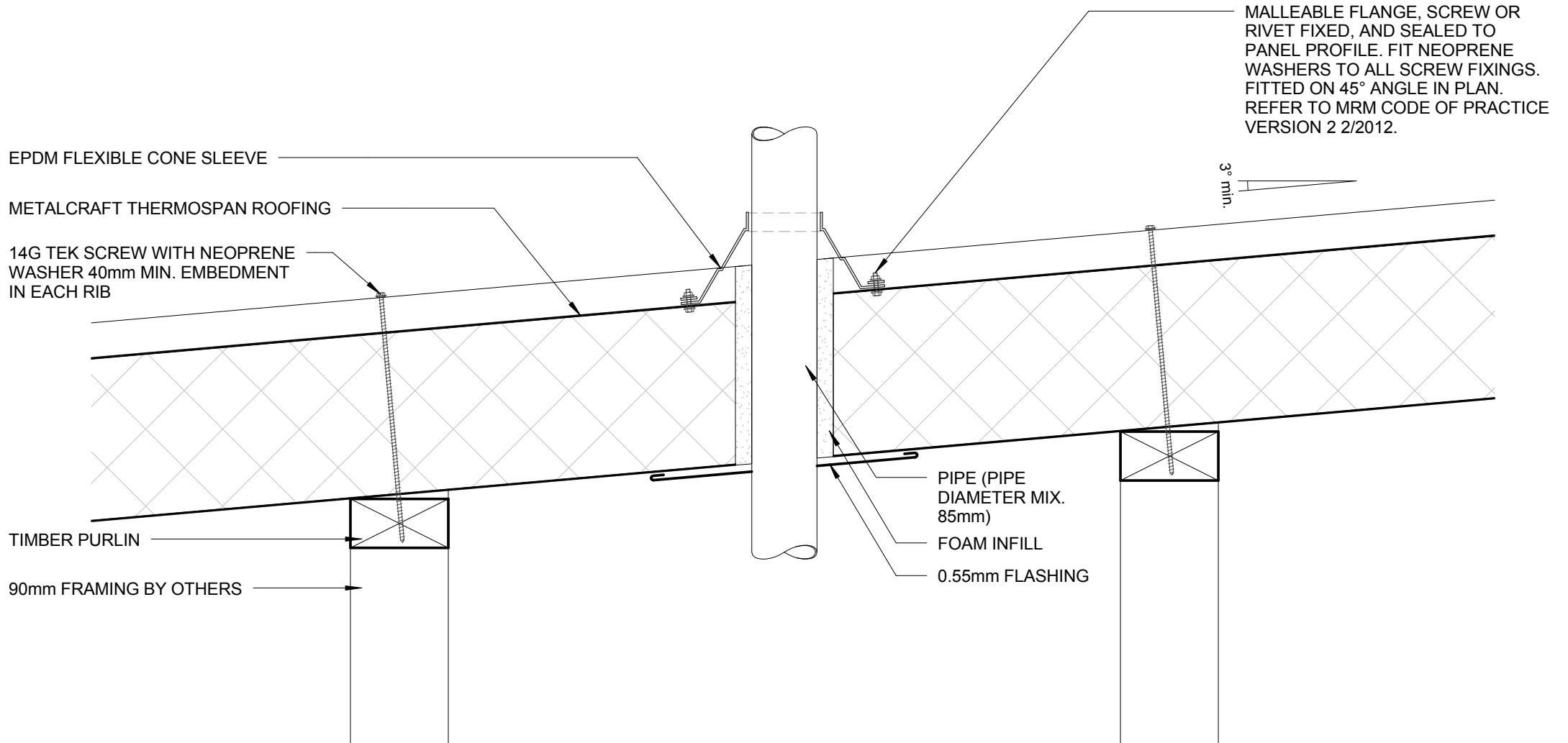
ACCEPTABLE SOLUTION AS PER E2/ASI

SITUATION 1	SITUATION 2	SITUATION 3
1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, AND HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE
G		
MIN. 35mm	MIN. 35mm	MIN. 35mm
MIN. 75mm	MIN. 75mm	MIN. 75mm
AT LEAST TWO CRESTS	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS

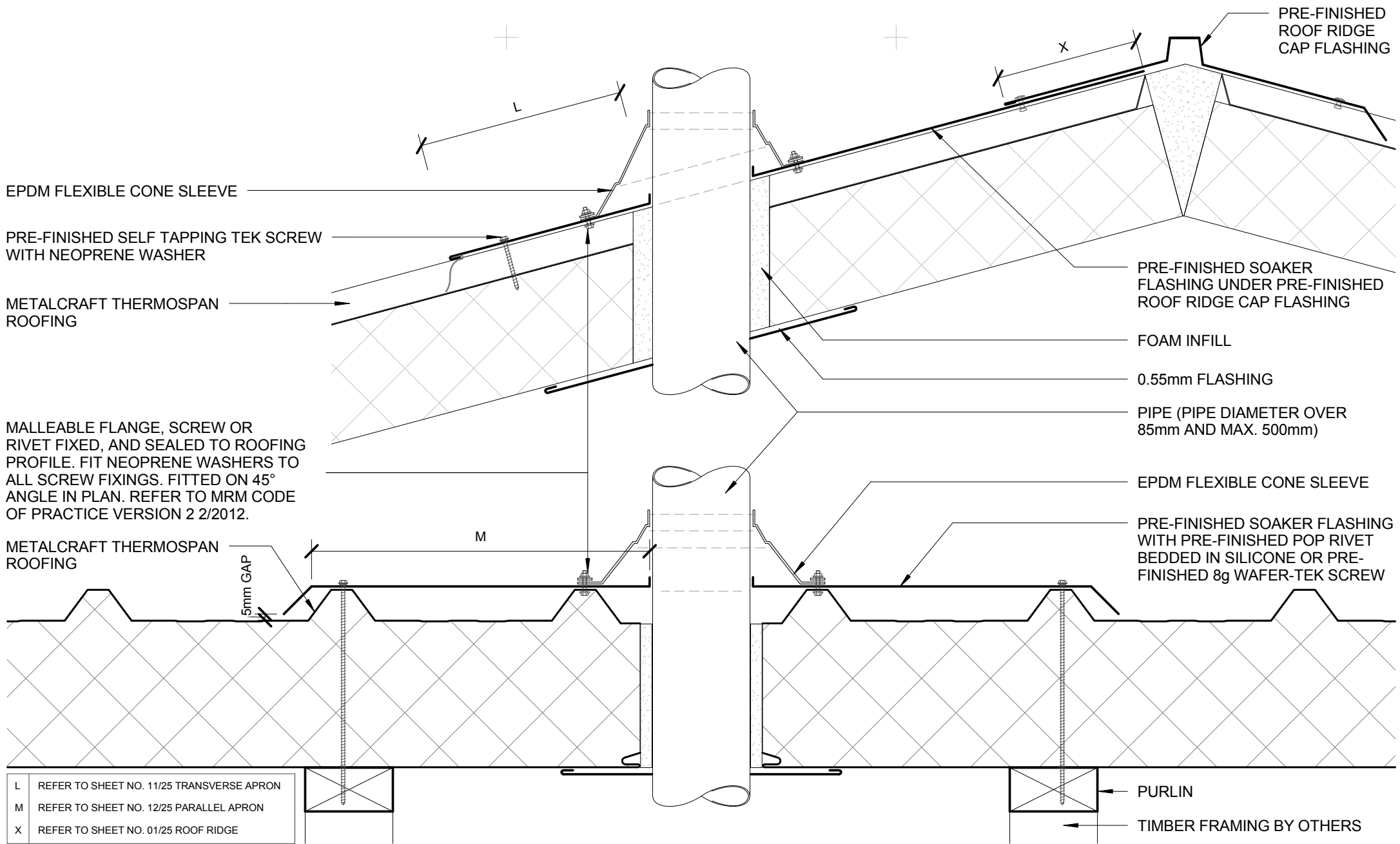
ALTERNATIVE SOLUTION AS PER MRM CODE OF PRACTICE

CATEGORY A	CATEGORY B
1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
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 (CORRUGATE)	TWO RIBS (<20 mm) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS (CORRUGATE)





MAX. 85mm DIAMETER PIPE PENETRATION



OVER 85mm DIAMETER PIPE PENETRATION

ThermoSpan Residential

RESIDENTIAL ROOFING

Metalcraft
Insulated Panel Systems

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Reference RRTS

Date 30.08.2016

Scale 1 : 5

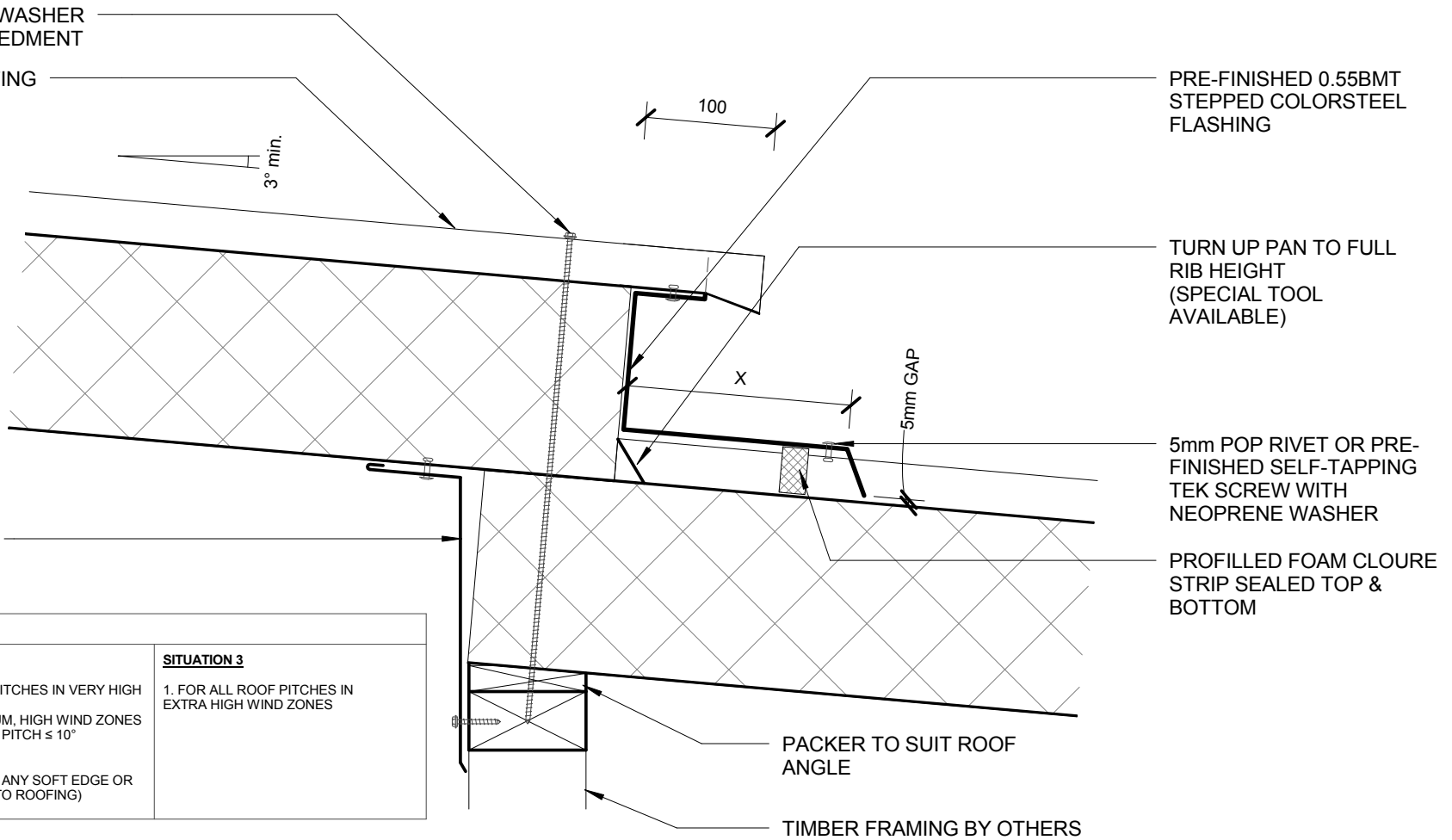
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14 / 25

14g TEK SCREW WITH NEOPRENE WASHER
AT EACH RIB WITH 40mm MIN. EMBEDMENT

METALCRAFT THERMOSPAN ROOFING

0.55mm BMT COLORSTEEL ANGLE



PRE-FINISHED 0.55BMT
STEPPED COLORSTEEL
FLASHING

TURN UP PAN TO FULL
RIB HEIGHT
(SPECIAL TOOL
AVAILABLE)

5mm POP RIVET OR PRE-
FINISHED SELF-TAPPING
TEK SCREW WITH
NEOPRENE WASHER

PROFILLED FOAM CLOURE
STRIP SEALED TOP &
BOTTOM

PACKER TO SUIT ROOF
ANGLE

TIMBER FRAMING BY OTHERS

ACCEPTABLE SOLUTION AS PER E2/ASI

	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. FOR ALL ROOF PITCHES IN EXTRA HIGH WIND ZONES
X	MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	

ALTERNATIVE SOLUTION AS PER MRM CODE OF PRACTICE

	CATEGORY A	CATEGORY B
	1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
X	MIN. 130mm	MIN. 200mm

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ThermoSpan Residential

RESIDENTIAL STEP DETAIL
RESIDENTIAL ROOFING

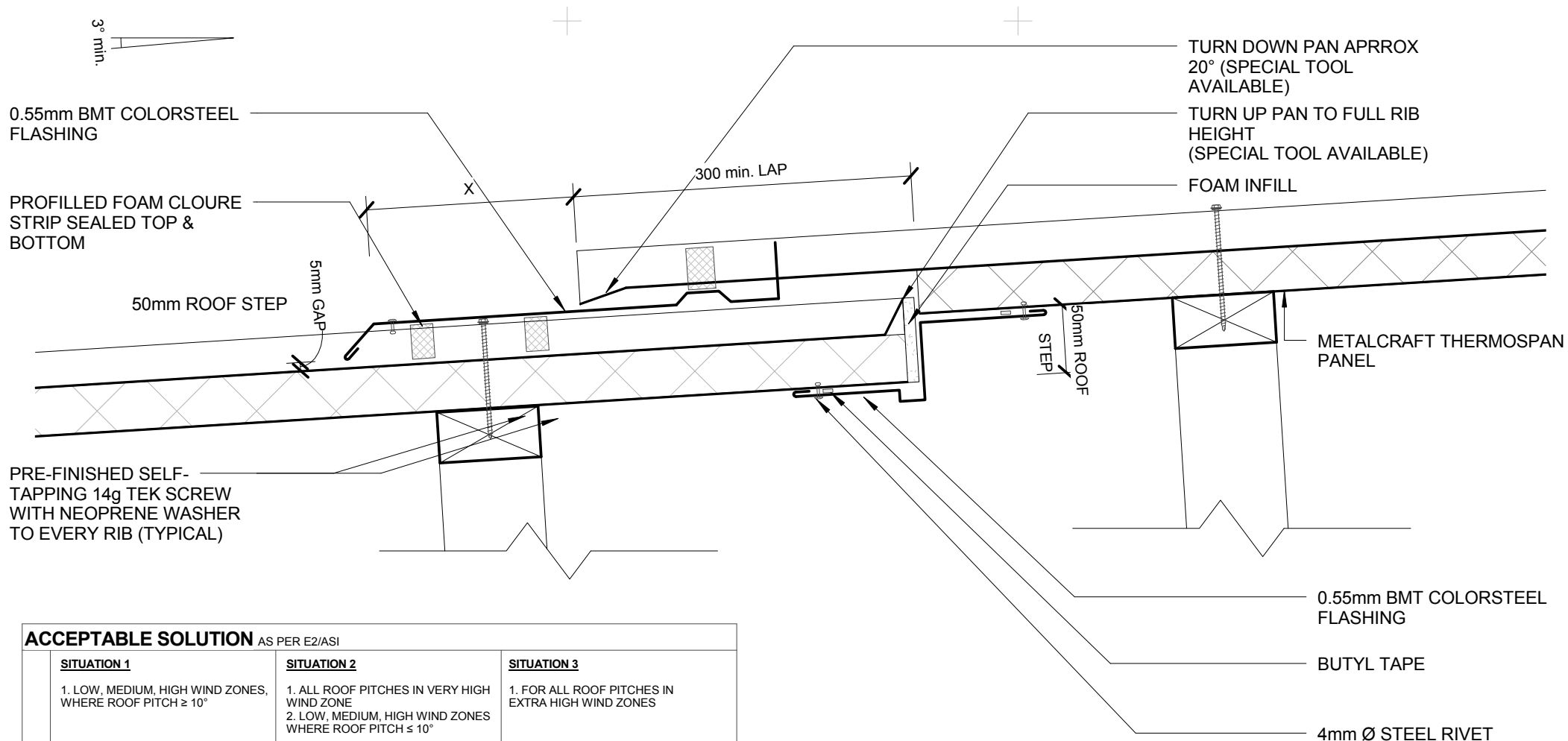
Reference RRTS

Date 30.08.2016

Scale 1 : 5

Sheet

15 / 25



ACCEPTABLE SOLUTION AS PER E2/ASI

	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. FOR ALL ROOF PITCHES IN EXTRA HIGH WIND ZONES
X	MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	

ALTERNATIVE SOLUTION AS PER MRM CODE OF PRACTICE

	CATEGORY A	CATEGORY B
	1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
X	MIN. 130mm	MIN. 200mm

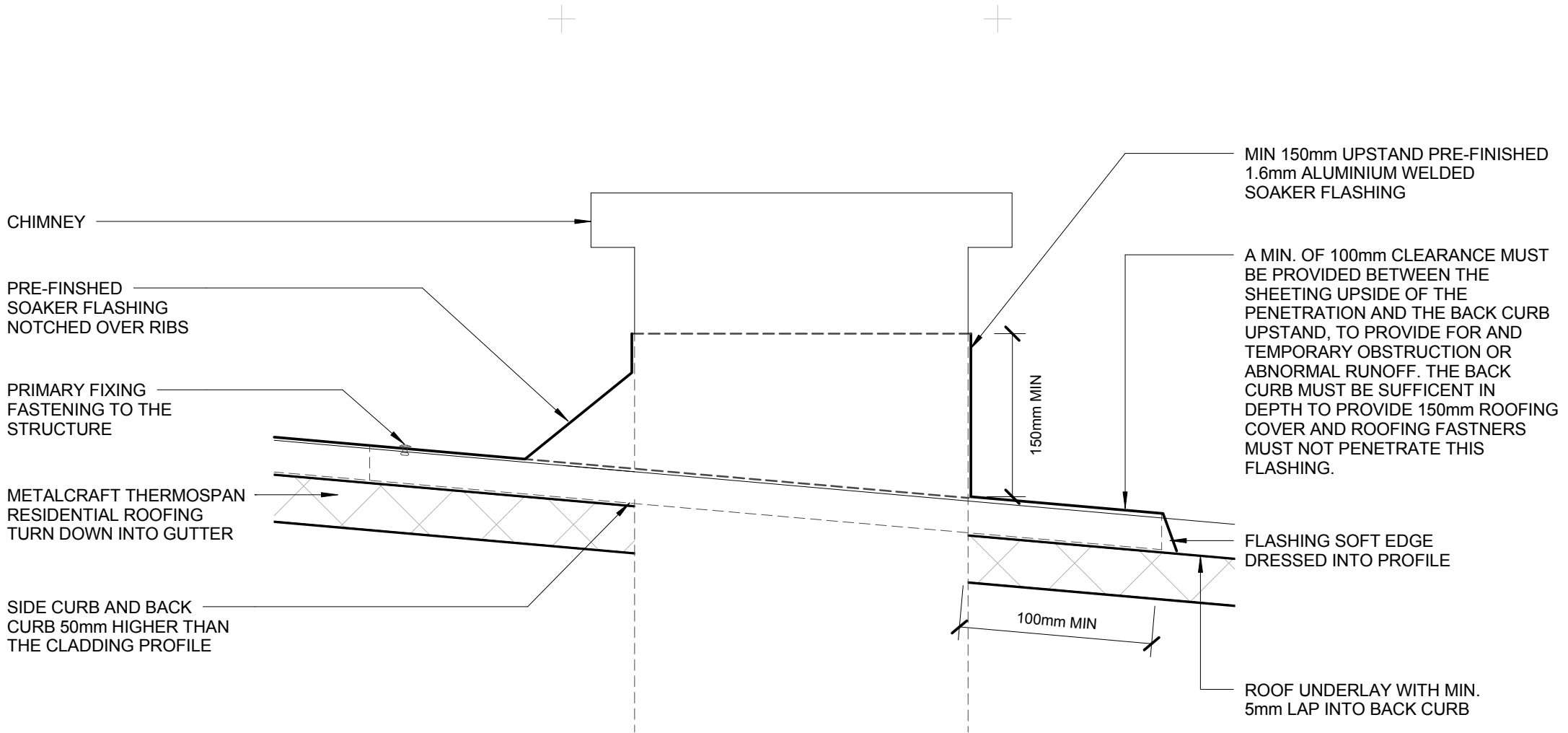
DETAIL RECOMMENDED WHERE ROOF RUNS EXCEED 16m

- 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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EXPANSION STEP DETAIL
RESIDENTIAL ROOFING



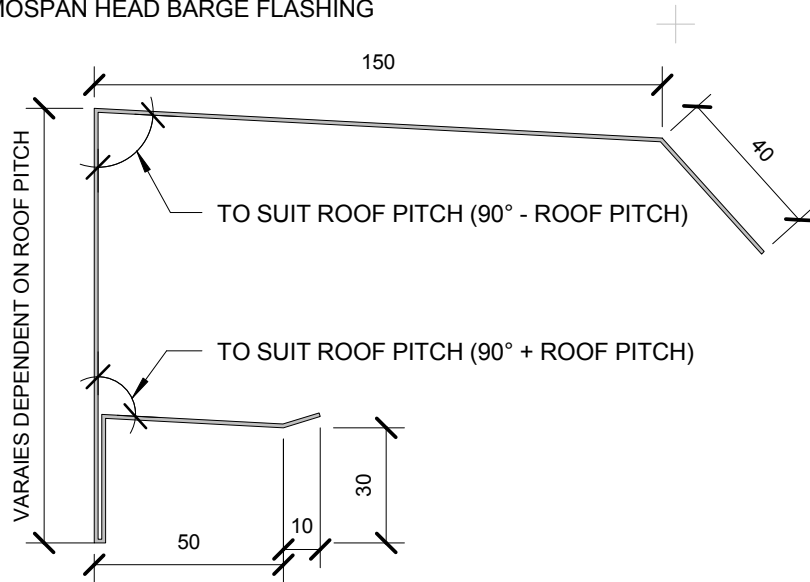
- BUILDING PAPER IS THE COMMON GENERIC NAME FOR PERMEABLE ROOF AND WALL UNDERLAYS. PLEASE REFER TO NZBC E2/AS1 AND MRM CODE OF PRACTICE VERSION 2.2 /2012.

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

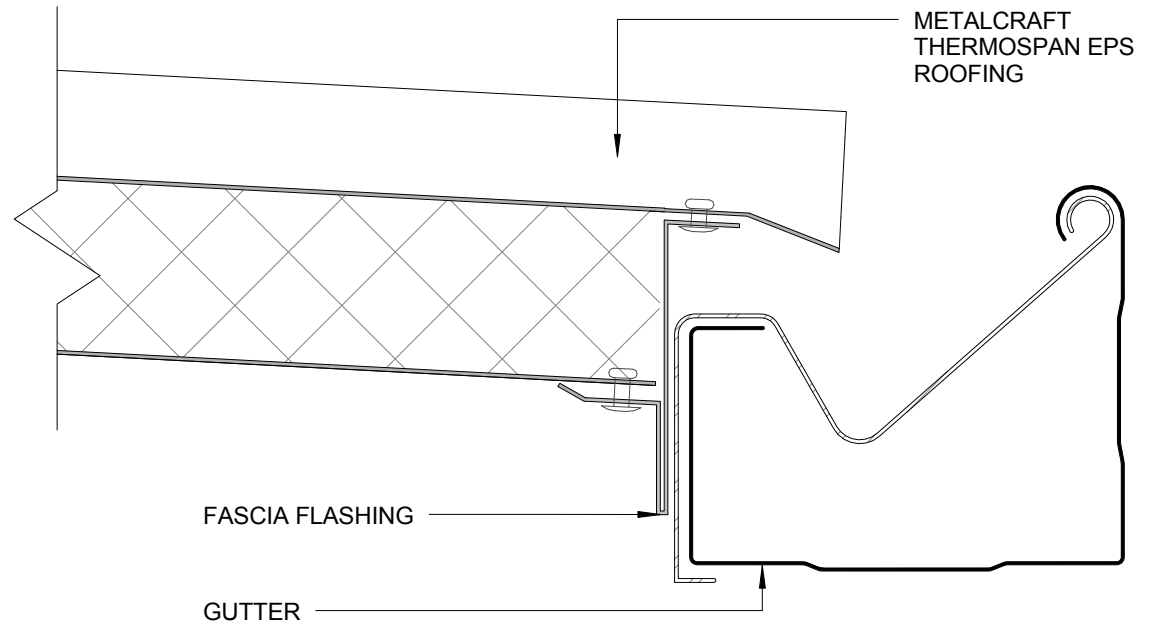
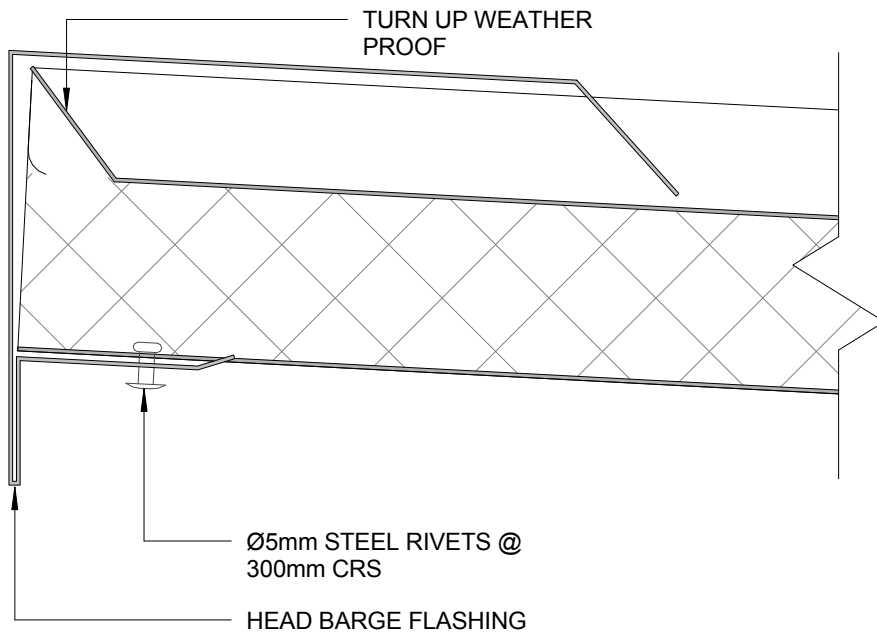
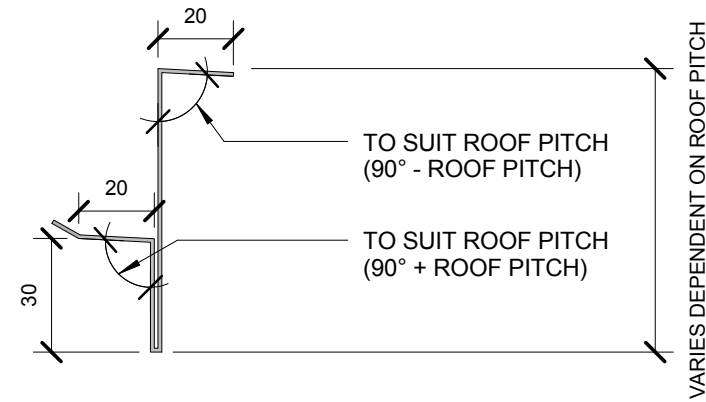
DISCLAIMER:
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Details of the supporting mechanisms are indicative only. Compliance of the supporting mechanisms is the responsibility of the designer.

CHIMNEY PENETRATION DETAIL
RESIDENTIAL ROOFING

THERMOSPAN HEAD BARGE FLASHING



THERMOSPAN FASCIA FLASHING



- 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.

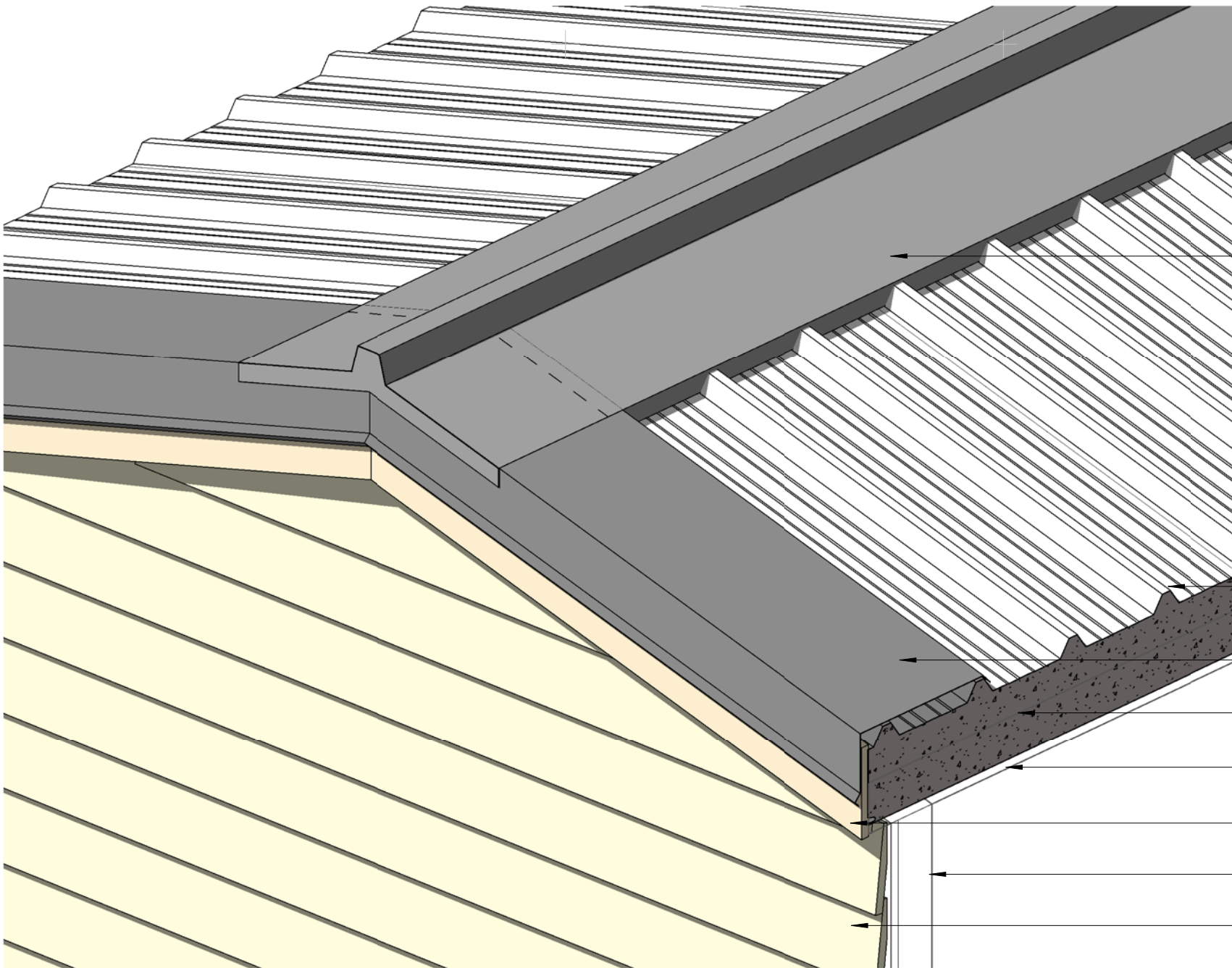
* - PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2 /2012 AS MINIMUM PITCH WILL INCREASE DEPENDING ON SHEET LENGTH.

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FASCIA AND BARGE FLASHING DIMENSIONS

ThermoSpan Residential

RESIDENTIAL ROOFING



* 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 THERMOSPAN THERMOSPAN

PRE-FINISHED BARGE FLASHING

PURLIN

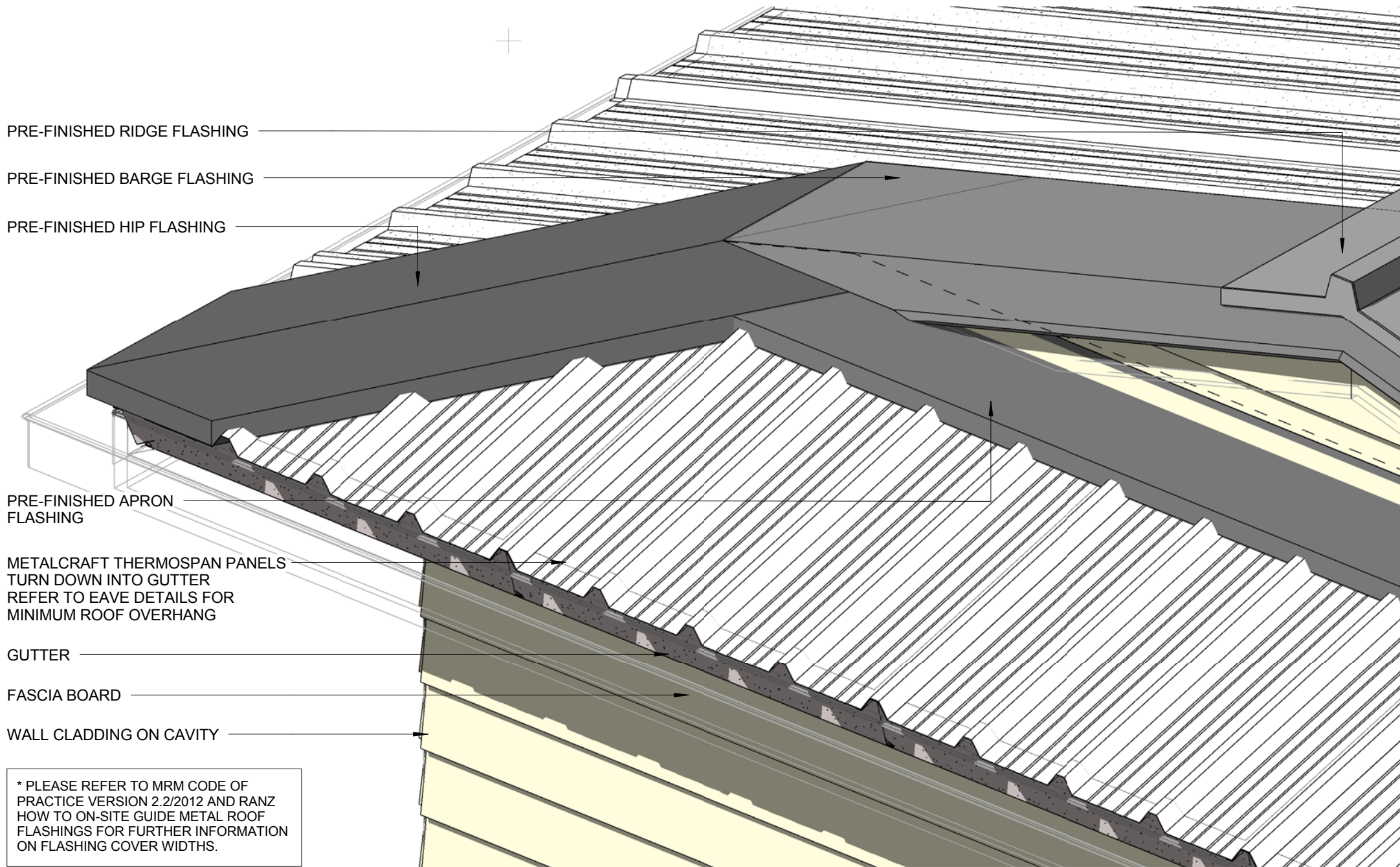
ROOF FRAMING

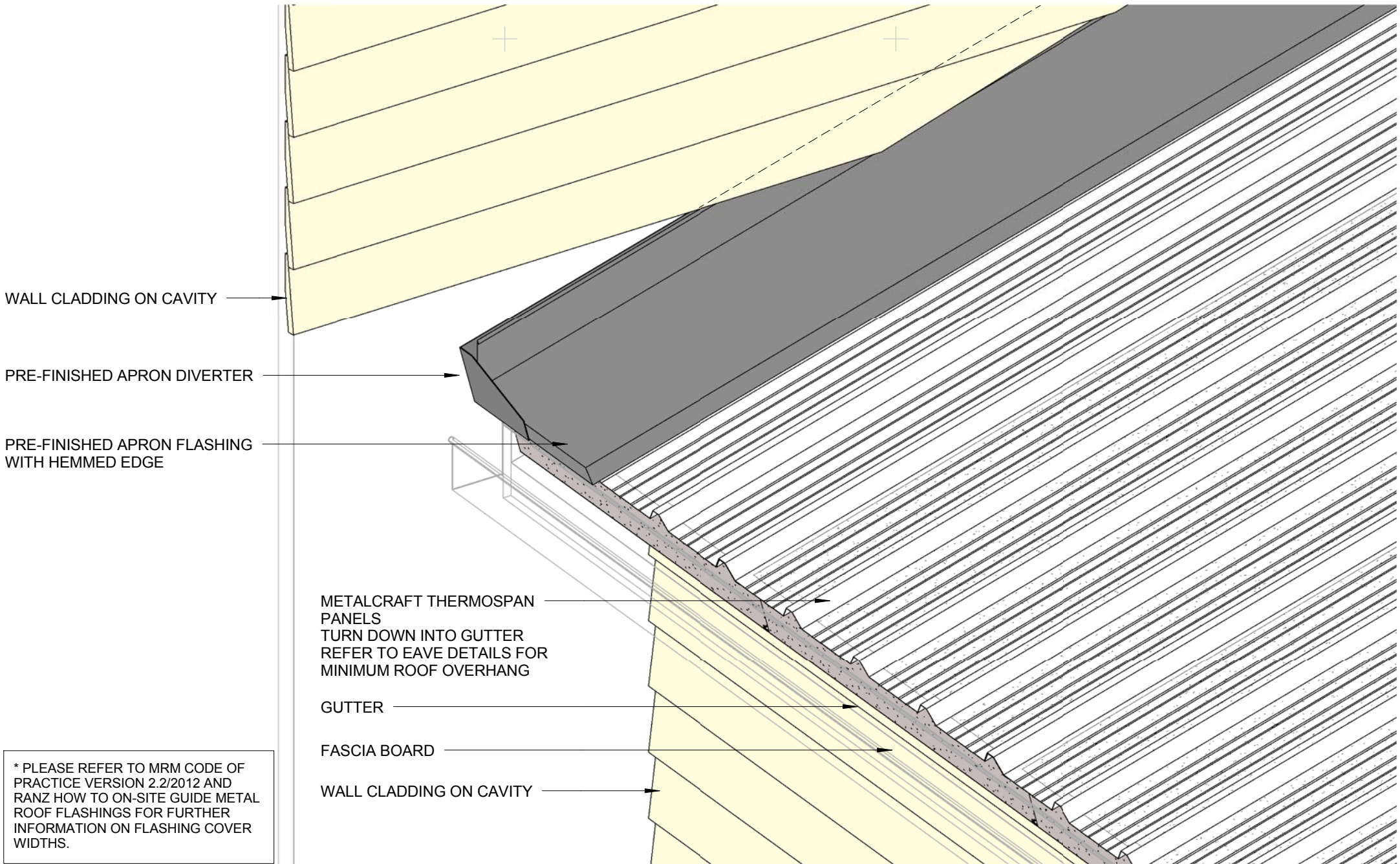
FASCIA BOARD

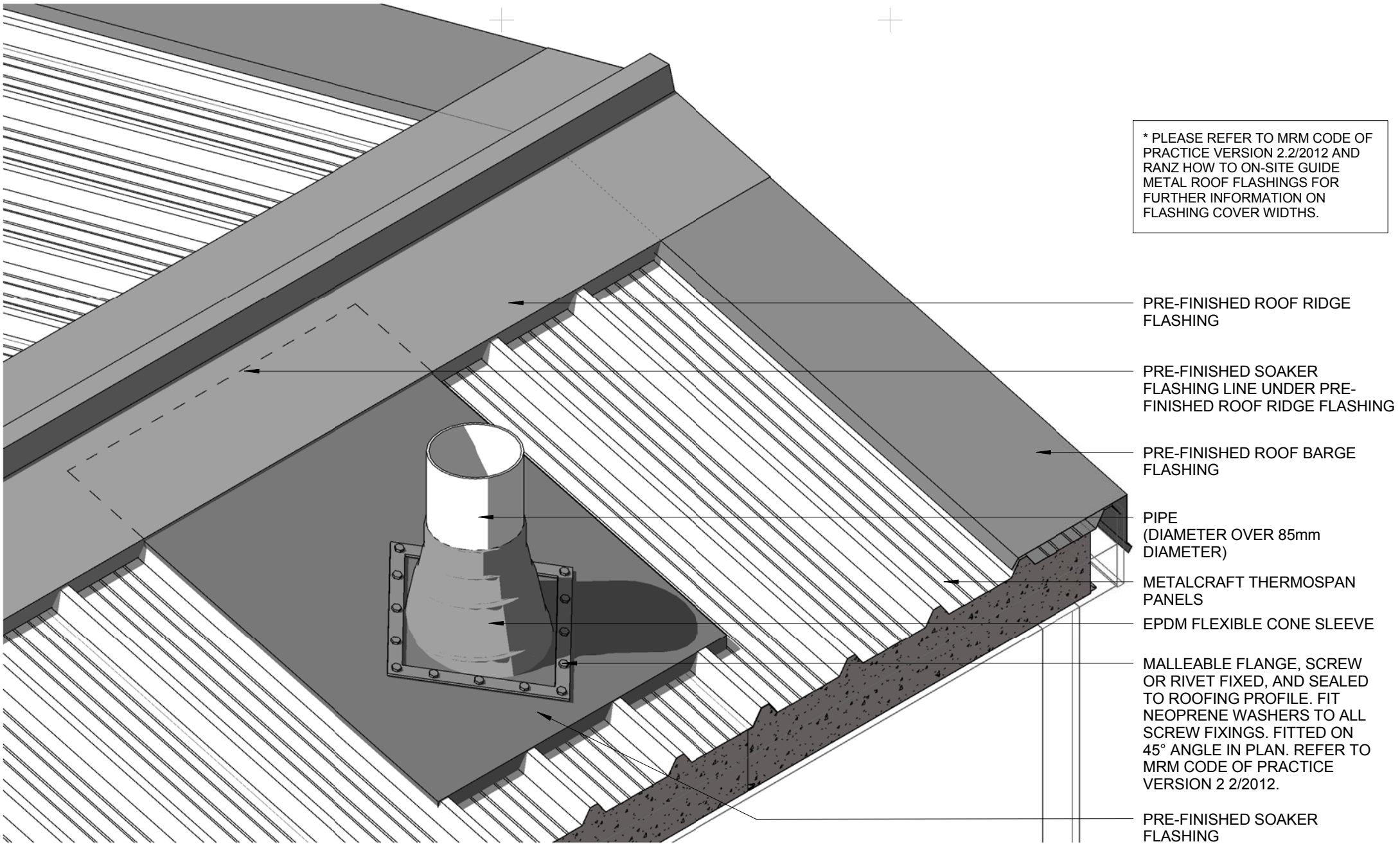
WALL FRAMING

WALL CLADDING ON CAVITY

3D RIDGE TO BARGE JUCTION
RESIDENTIAL ROOFING





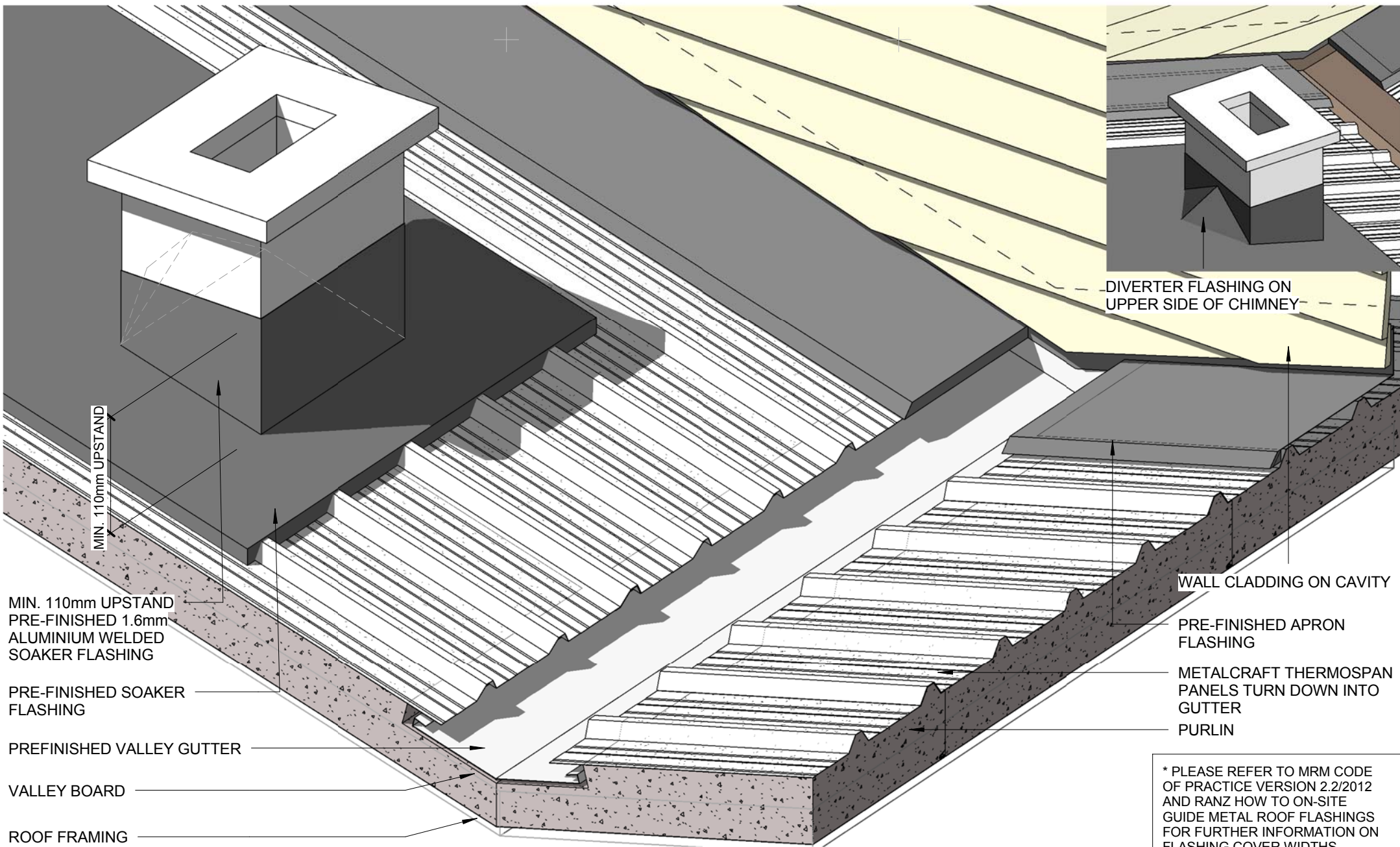


* PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012 AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHINGS FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

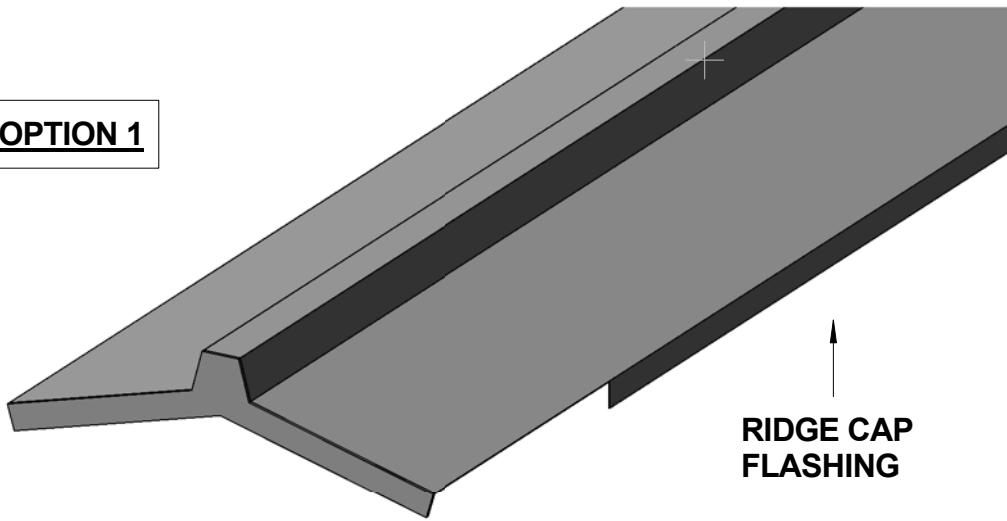
- PRE-FINISHED ROOF RIDGE FLASHING
- PRE-FINISHED SOAKER FLASHING LINE UNDER PRE-FINISHED ROOF RIDGE FLASHING
- PRE-FINISHED ROOF BARGE FLASHING
- PIPE (DIAMETER OVER 85mm DIAMETER)
- METALCRAFT THERMOSPAN PANELS
- EPDM FLEXIBLE CONE SLEEVE
- MALLEABLE FLANGE, SCREW OR RIVET FIXED, AND SEALED TO ROOFING 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

ThermoSpan Residential RESIDENTIAL ROOFING

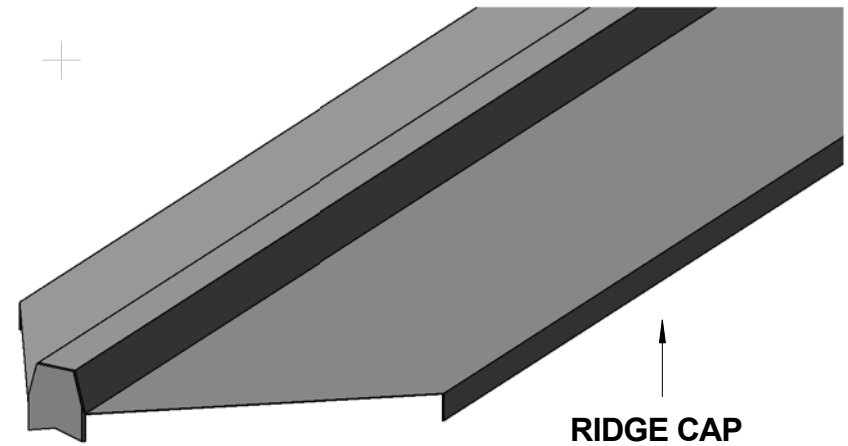


OPTION 1

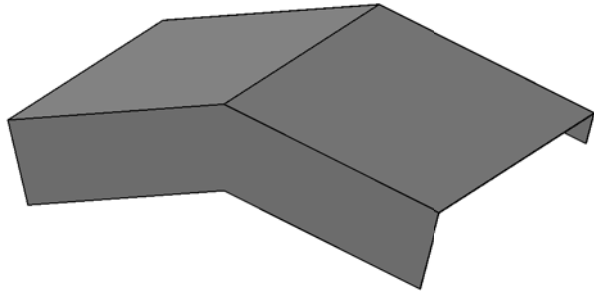


**RIDGE CAP
FLASHING**

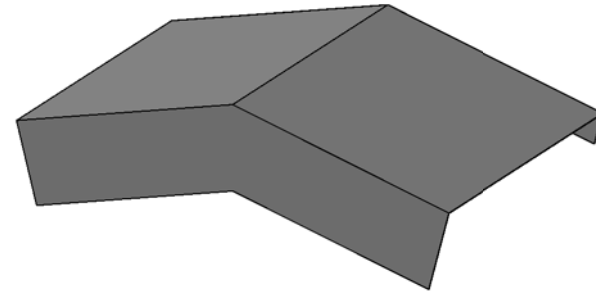
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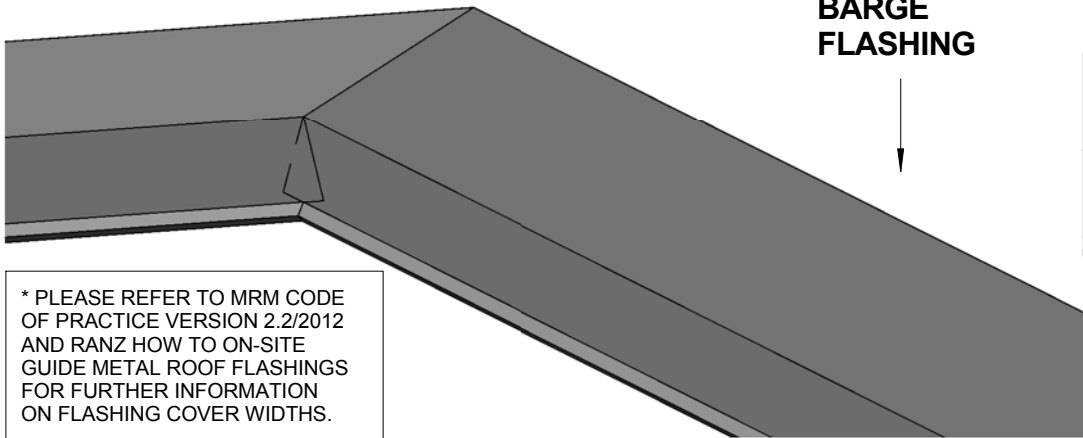
**RIDGE CAP
FLASHING**



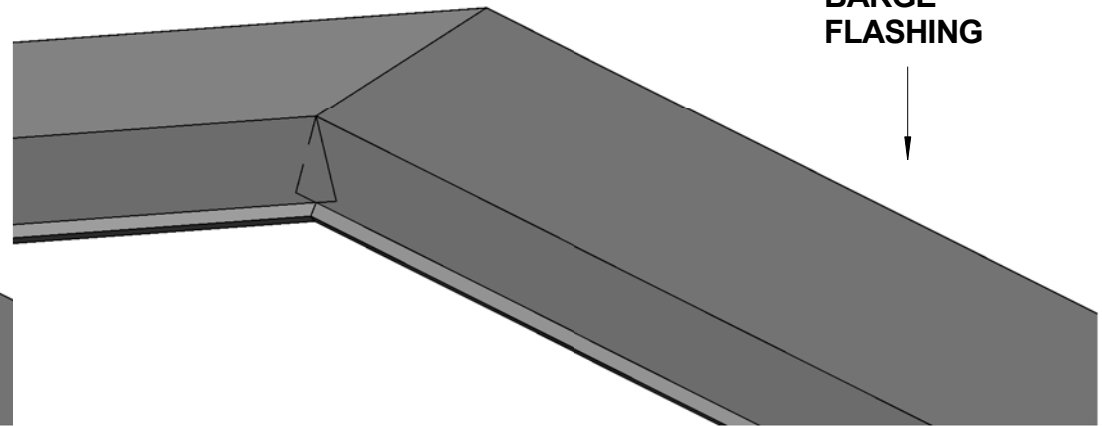
**ADDITIONAL
SADDLE
FLASHING**



**ADDITIONAL
SADDLE
FLASHING**



**BARGE
FLASHING**

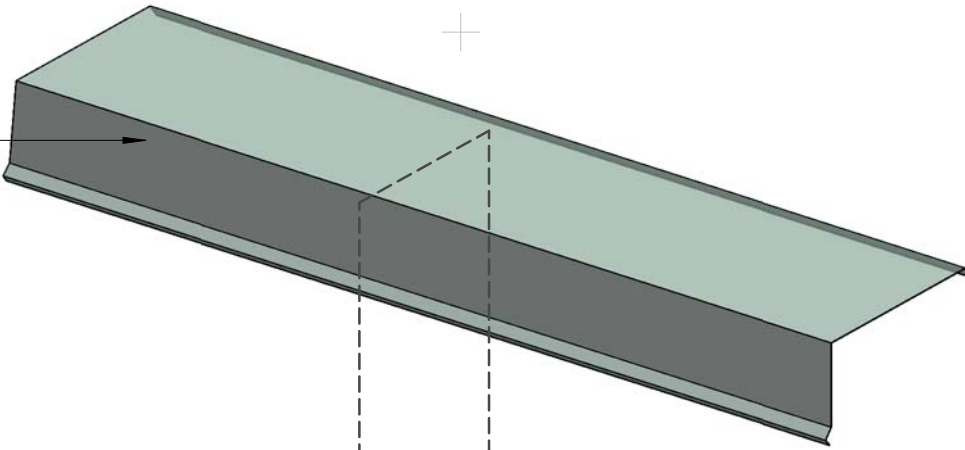


**BARGE
FLASHING**

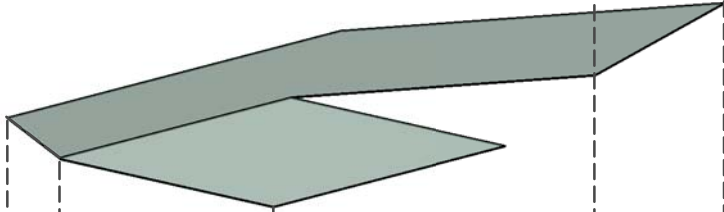
* PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012 AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHINGS FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

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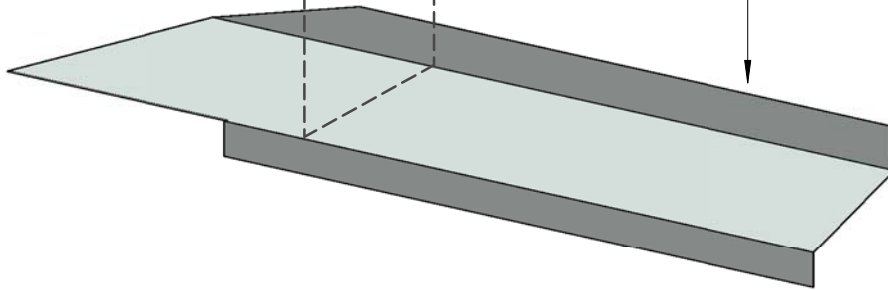
(4) PRE-FINISHED
BARGE FLASHING



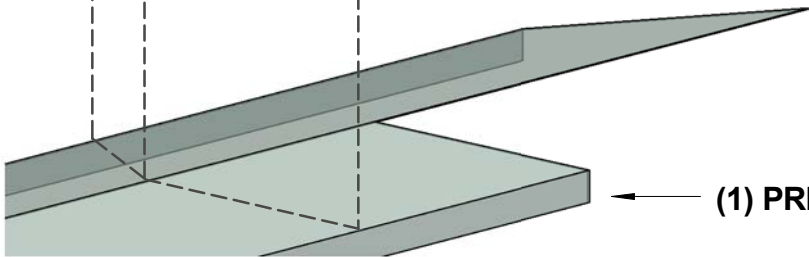
(3) PRE-FINISHED 3D
SADDLE FLASHING



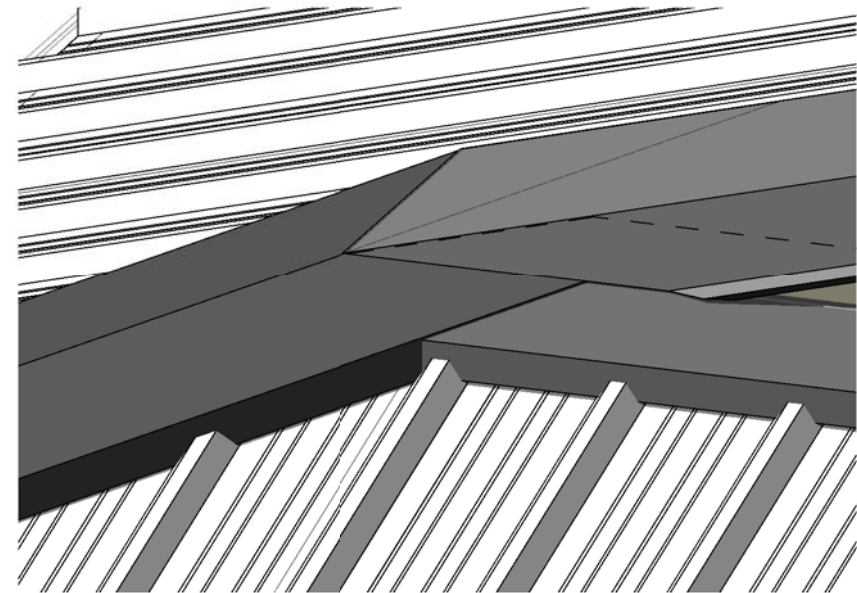
(2) PRE-FINISHED
APRON FLASHING



(1) PRE-FINISHED HIP FLASHING



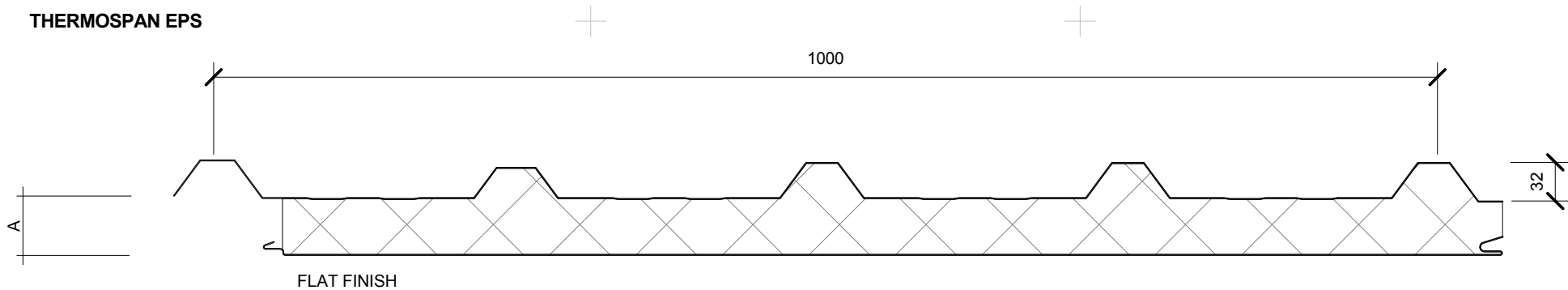
* PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012 AND RANZ HOW TO ON-SITE GUIDE METAL ROOF FLASHINGS FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.



3D DUTCH GABLE FLASHINGS

RESIDENTIAL ROOFING

THERMOSPAN EPS

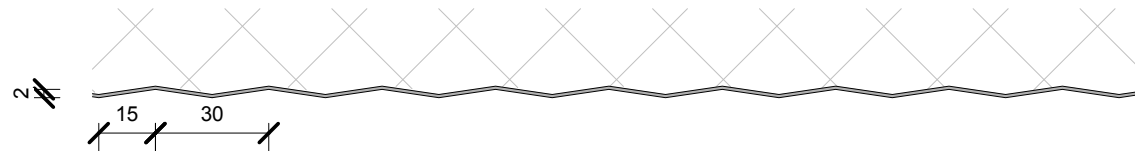


A = 50, 75, 100, 125, 150, 200, 250 - PLEASE NOTE FOR RESIDENTIAL ROOFING A MINIMUM THICKNESS OF 150mm IS RECOMMENDED - CONTACT METALCRAFT

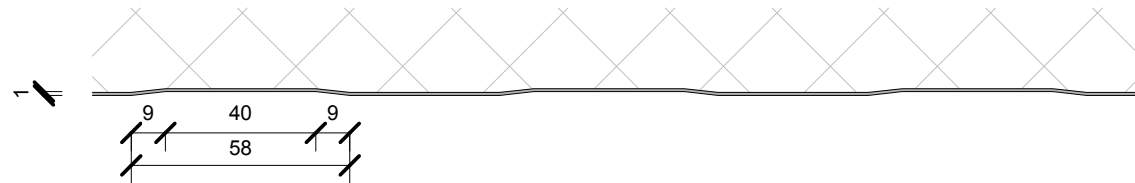
SCALE @ 1:5

INTERNAL LINER FINISHES

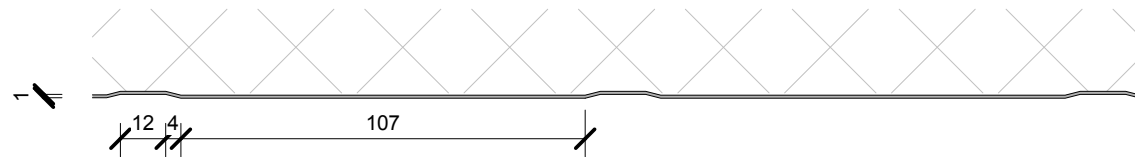
SILKLINE FINISH



MESA FINISH



RIBBED FINISH



SCALE @ 1:2