ThermoSpan EPS

COMMERCIAL ROOFING

DETAIL LIST		Revision	Date
00 / 15	COVER SHEET		
01 / 15	RIDGE DETAIL	1.1	14.12.2018
02 / 15	HEAD FLASHING DETAIL	2.0	14.12.2018
03 / 15	EAVES GUTTER DETAIL	2.0	14.12.2018
04 / 15	INSULATED GUTTER	2.0	14.12.2018
05 / 15	INSULATED BOX GUTTER	2.0	14.12.2018
06 / 15	BARGE CAPPING DETAIL	1.1	14.12.2018
07 / 15	BARGE/PARAPET DETAIL	1.1	14.12.2018
08 / 15	END LAP DETAIL	1.1	14.12.2018
09 / 15	EXPANSION STEP DETAIL	1.1	14.12.2018
10 / 15	SKYLIGHT PANEL DETAIL (OPTIONAL)	2.0	14.12.2018
11 / 15	INSULATED PENETRATION DETAIL	2.0	14.12.2018
12 / 15	SIDE LAP DETAIL	1.1	14.12.2018
13 / 15	FASCIA AND BARGE FLASHING DIMENSIONS	1.1	14.12.2018
14 / 15	SIDE BARGE FLASHING DIMENSIONS	1.1	14.12.2018
15 / 15	PANEL PROFILE AND SIZE	1.1	14.12.2018

CREPS

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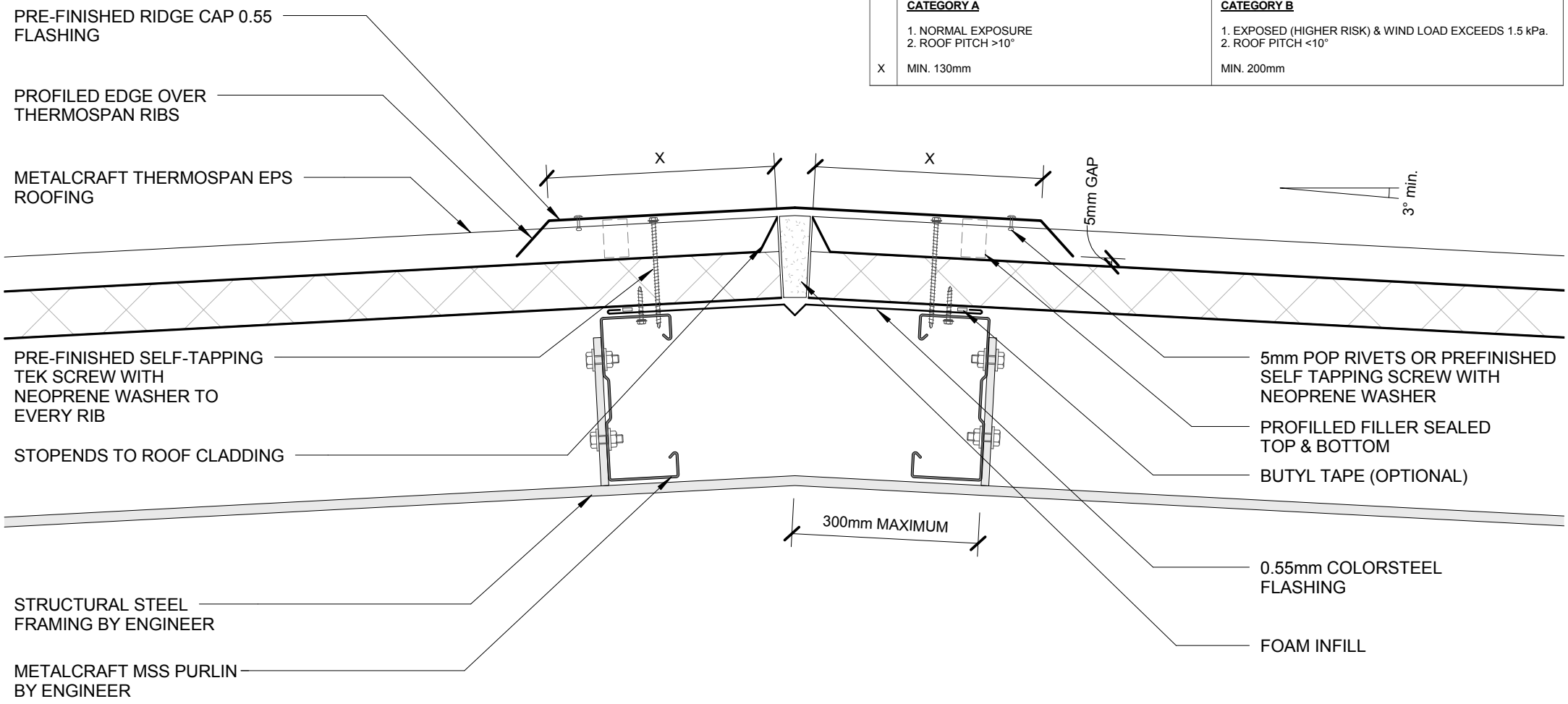
Metalcraft
Insulated Panels

ACCEPTABLE SOLUTION AS PER E2/ASI

	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10°	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH ≤ 10°	1. FOR ALL ROOF PITCHES IN EXTRA HIGH WIND ZONES
X	MIN. 130mm (EXCLUDDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDDING 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°	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10°
X	MIN. 130mm	MIN. 200mm

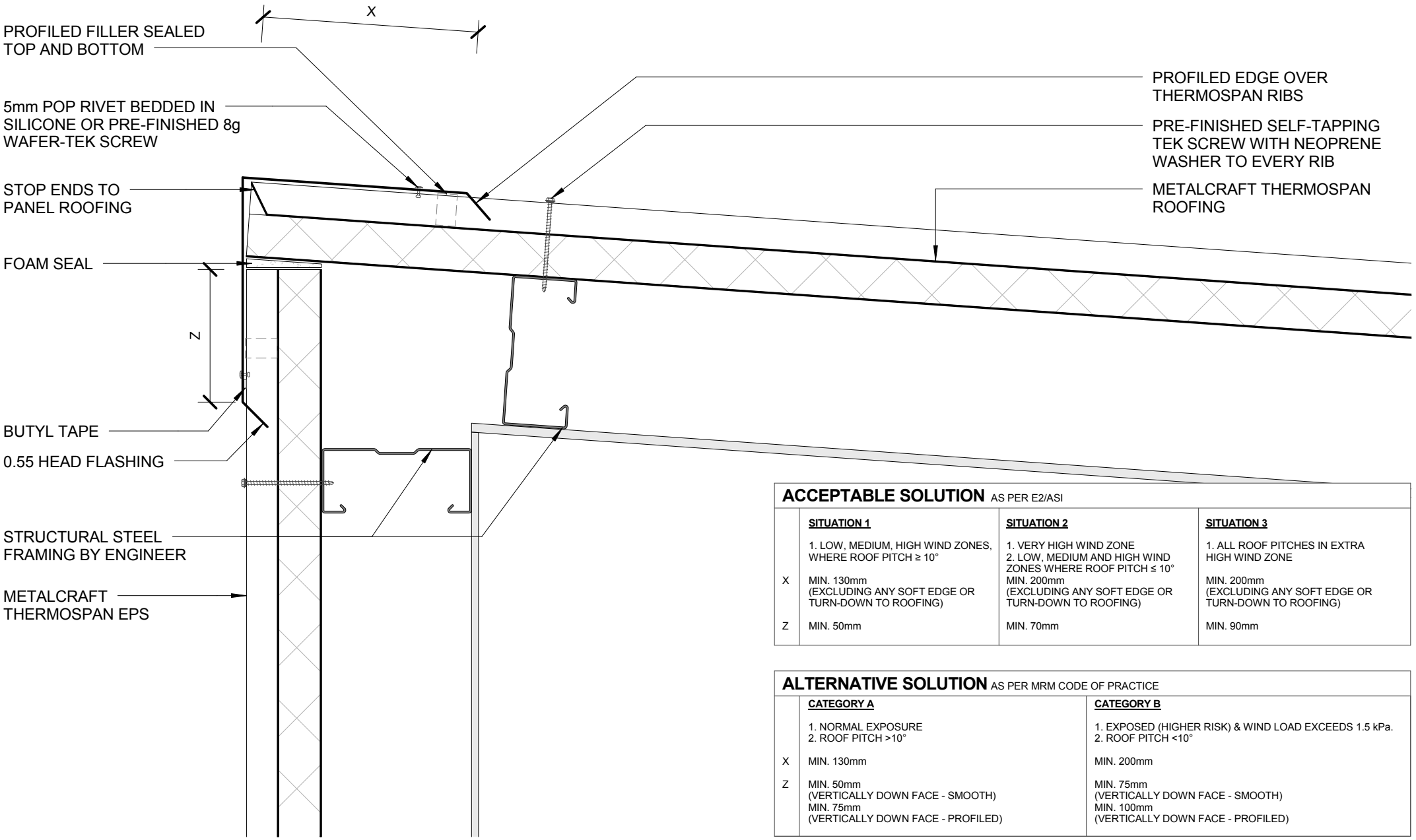


Metalcraft Insulated Panels

RIDGE DETAIL

ThermoSpan EPS | Rev. 1.1 | COMMERCIAL ROOFING

Reference CREPS | Date 14.12.2018 | Scale 1 : 5 | Sheet 01 / 15



ACCEPTABLE SOLUTION AS PER E2/ASI

	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10°	1. VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH WIND ZONES WHERE ROOF PITCH ≤ 10°	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE
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 (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°	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)

Metalcraft Insulated Panels

HEAD FLASHING DETAIL

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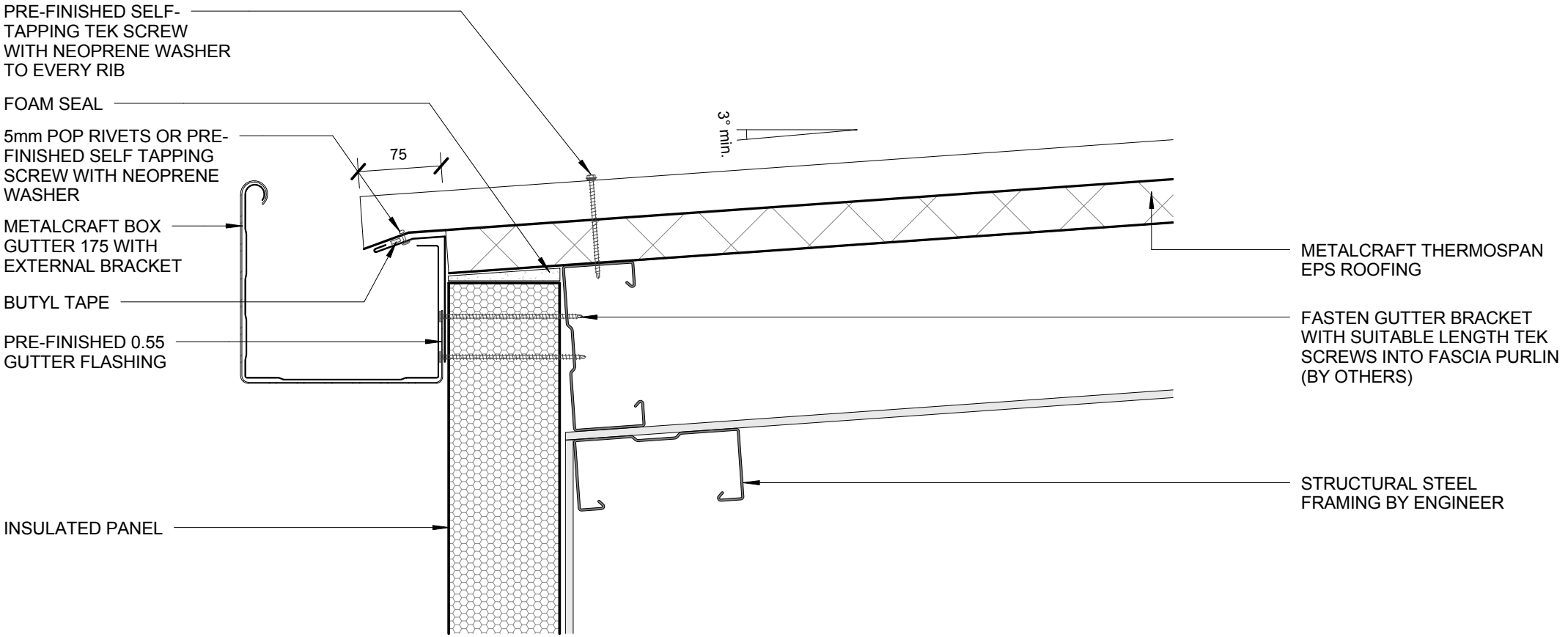
Reference CREPS | Date 14.12.2018 | Scale 1 : 5 | Sheet 02 / 15



EAVES GUTTER DETAIL

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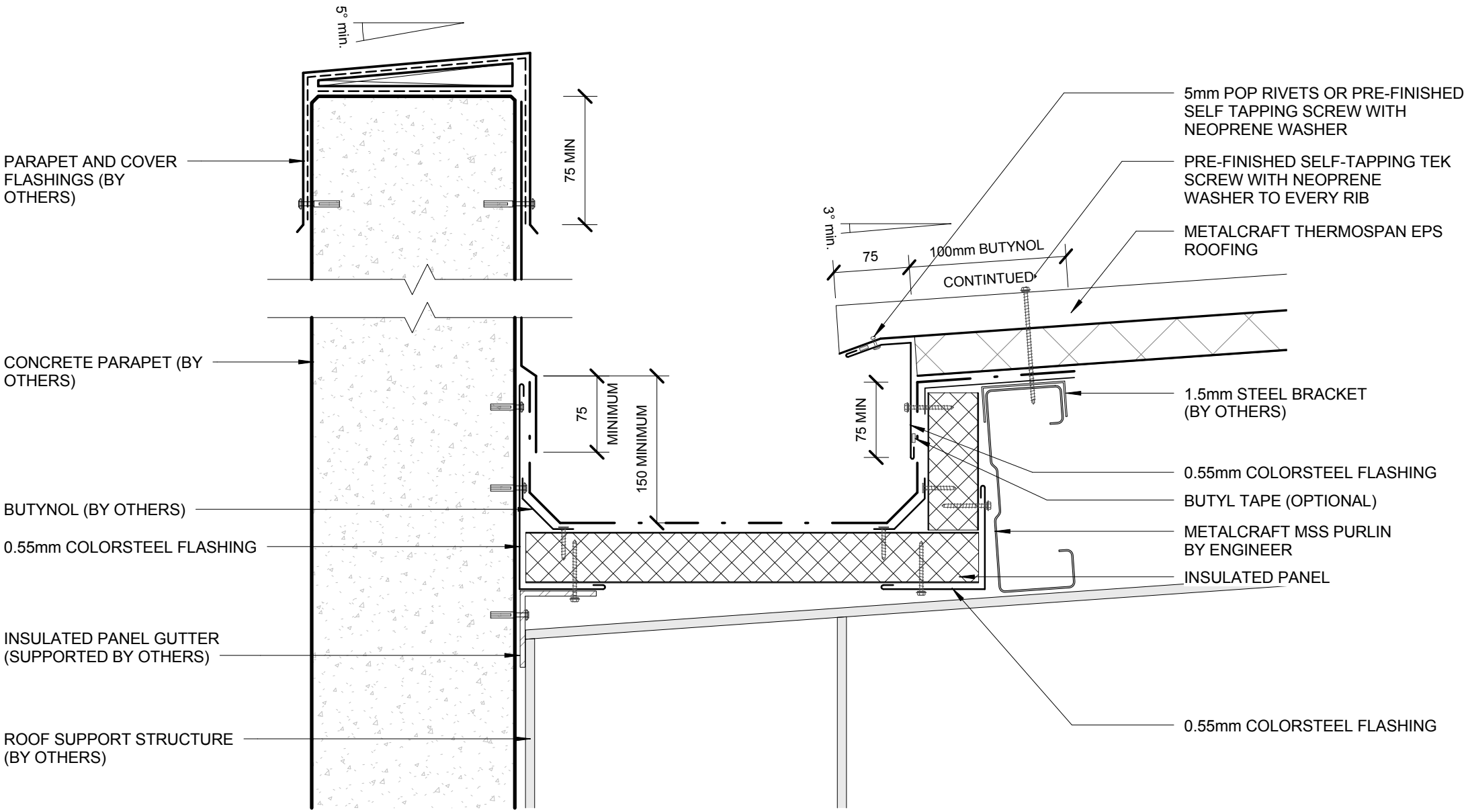
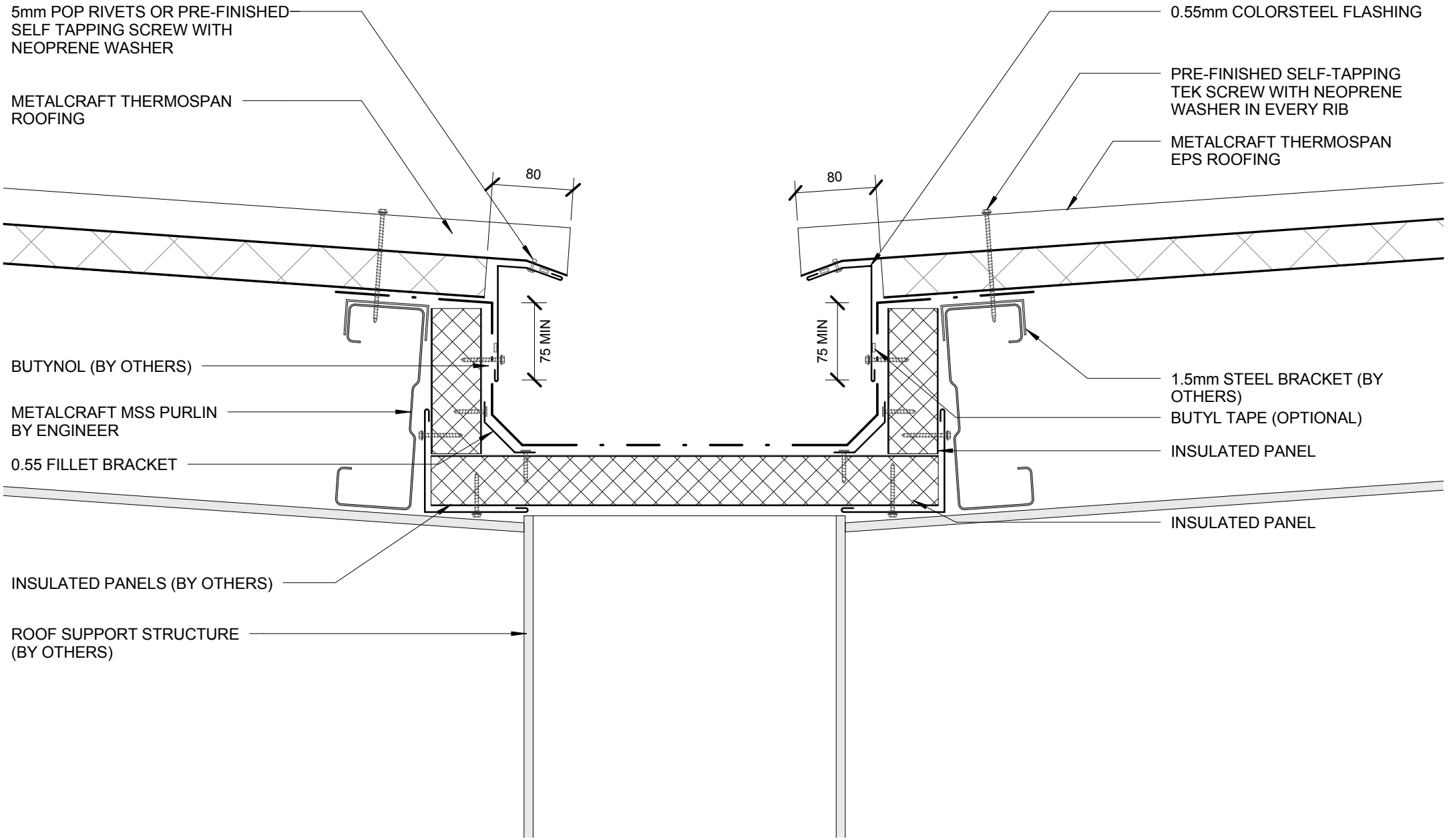
Insulated Panels



INSULATED GUTTER

Metalcraft Insulated Panels

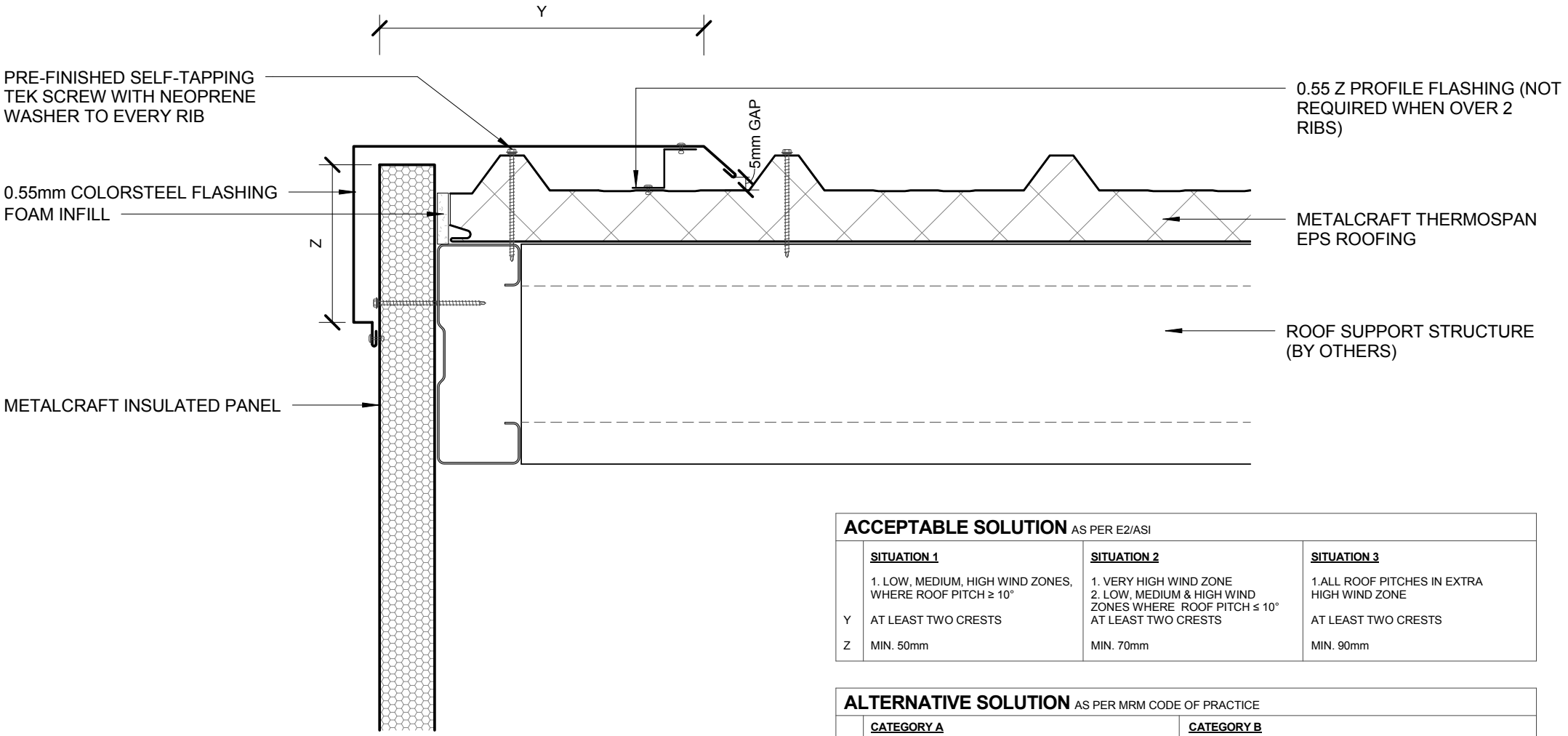


INSULATED BOX GUTTER

Metalcraft Insulated Panels

ThermoSpan EPS Rev. 2.0 **COMMERCIAL ROOFING**

Reference CREPS Date 14.12.2018 Scale 1 : 5 Sheet **05 / 15**



ACCEPTABLE SOLUTION AS PER E2/ASI

	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10°	1. VERY HIGH WIND ZONE 2. LOW, MEDIUM & HIGH WIND ZONES WHERE ROOF PITCH ≤ 10°	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°	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10°
Y	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS	ONE RIB, TWO RIBS (<20mm) (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)

BARGE CAPPING DETAIL

Metalcraft Insulated Panels

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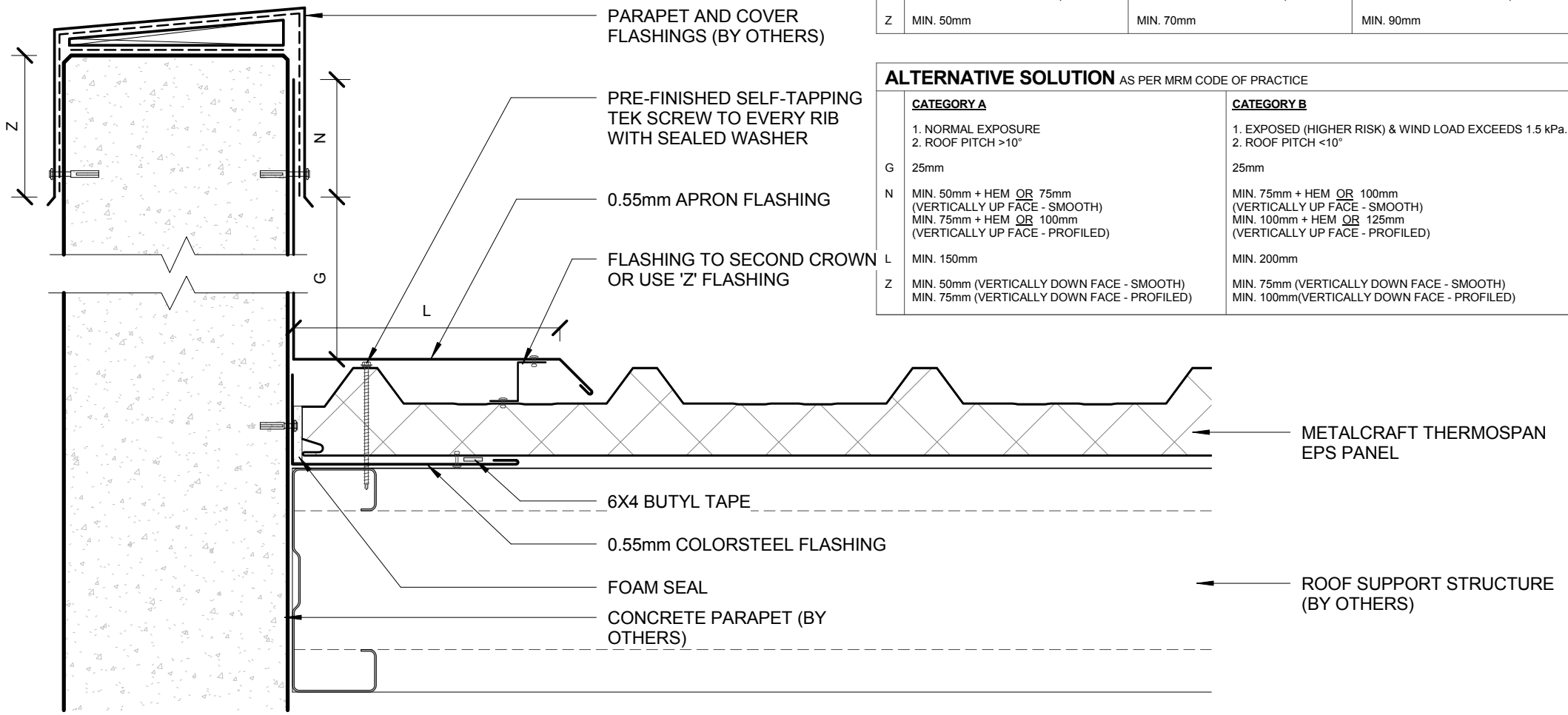
Reference CREPS | Date 14.12.2018 | Scale 1 : 5 | Sheet 06 / 15

ACCEPTABLE SOLUTION AS PER E2/ASI

	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10°	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, & HIGH WIND ZONES WHERE ROOF PITCH ≤ 10°	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°	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)



BARGE/PARAPET DETAIL

Metalcraft Insulated Panels

DISCLAIMER:
All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 3.0 / 2017, E2 and all other relevant building codes
Details of the supporting mechanisms are indicative only. Compliance of the supporting mechanisms is the responsibility of the designer. Construction detail can vary for wall cladding. The underlay is detailed as a single line for simplicity and is indicative only. Building paper type and method of installation should comply with underlay manufacturers recommendations and NZBC regulations.

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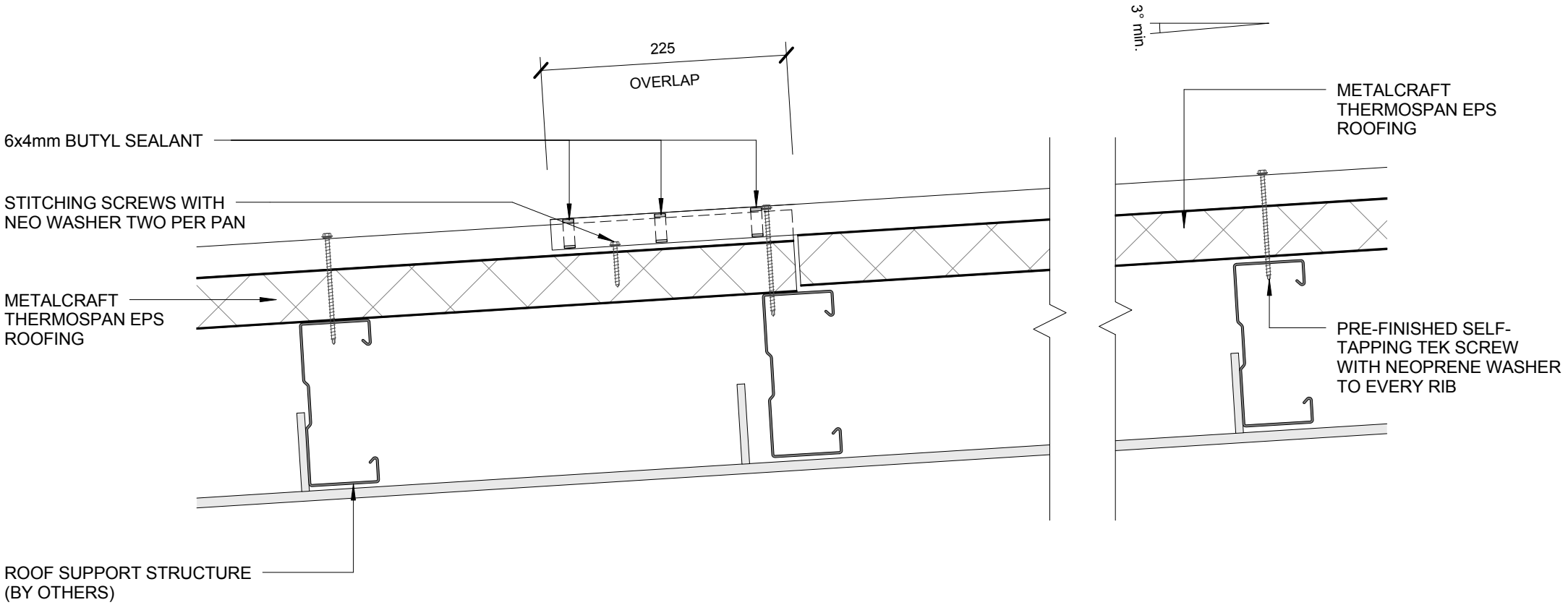
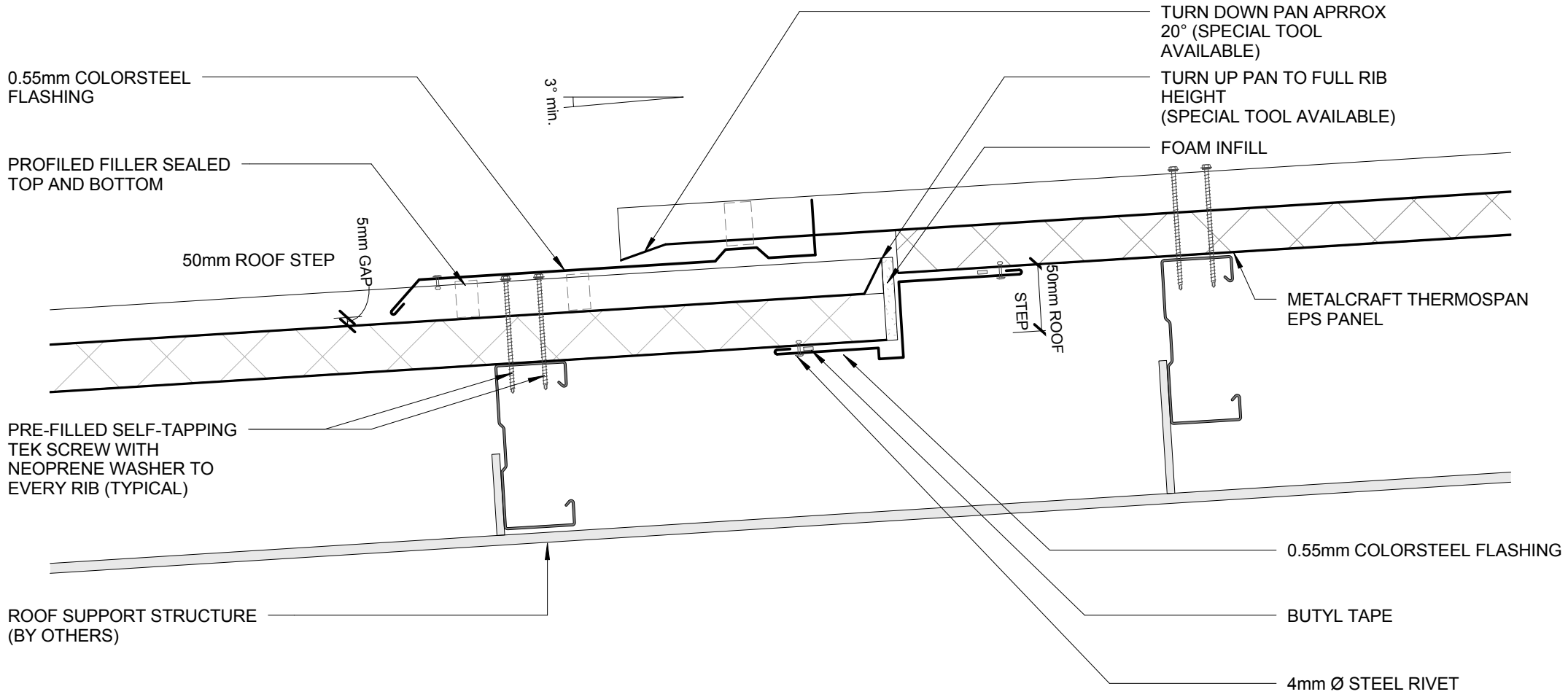
Reference CREPS | Date 14.12.2018 | Scale 1 : 5 | Sheet 07 / 15



END LAP DETAIL

Metalcraft Insulated Panels

DETAIL RECOMMENDED WHERE ROOF RUNS EXCEED 16m



EXPANSION STEP DETAIL

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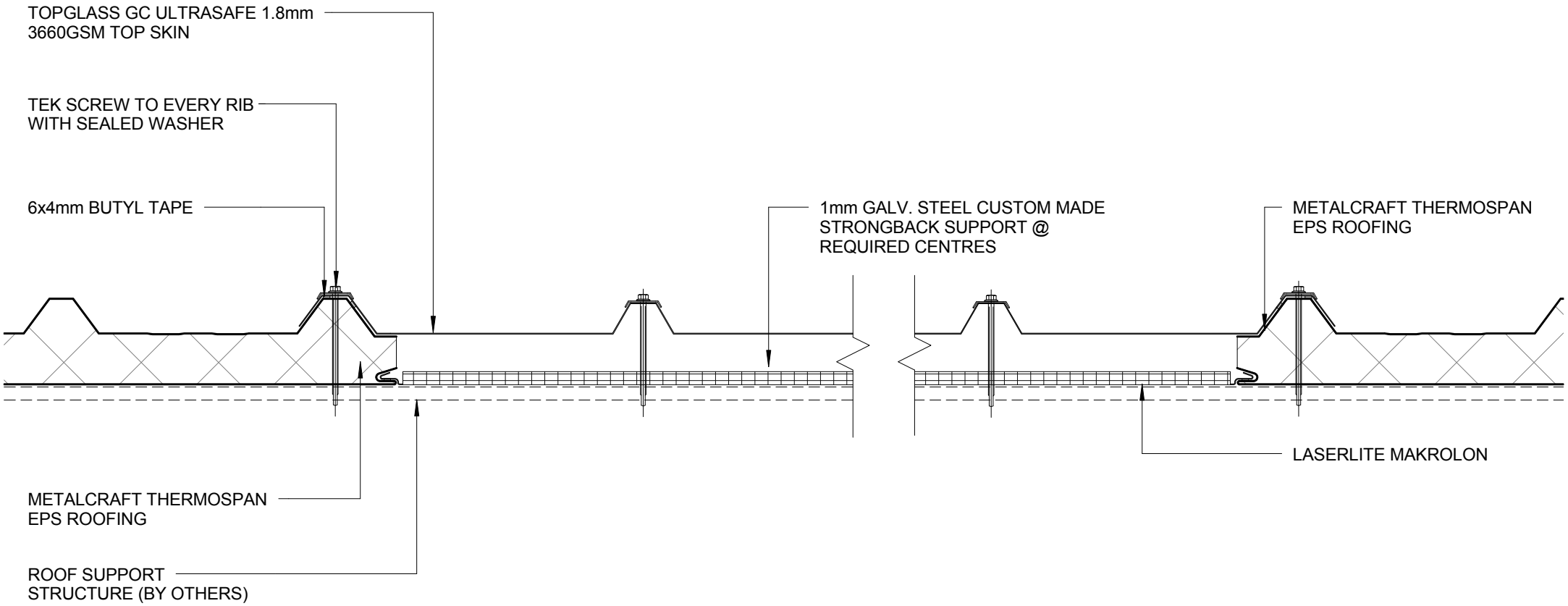
ThermoSpan EPS | Rev. 1.1 | COMMERCIAL ROOFING

Reference CREPS | Date 14.12.2018 | Scale 1 : 5 | Sheet 09 / 15

- ALSYNITE RECOMMEND CONTINUOUS RUN FROM RIDGE TO GUTTER
- R-VALUE OF ROOFLIGHT =0.57
- NO SAFETY MESH REQUIRED
- FOR MORE INFORMATION REFER www.alsynite.co.nz



Metalcraft Insulated Panels

SKYLIGHT PANEL DETAIL (OPTIONAL)

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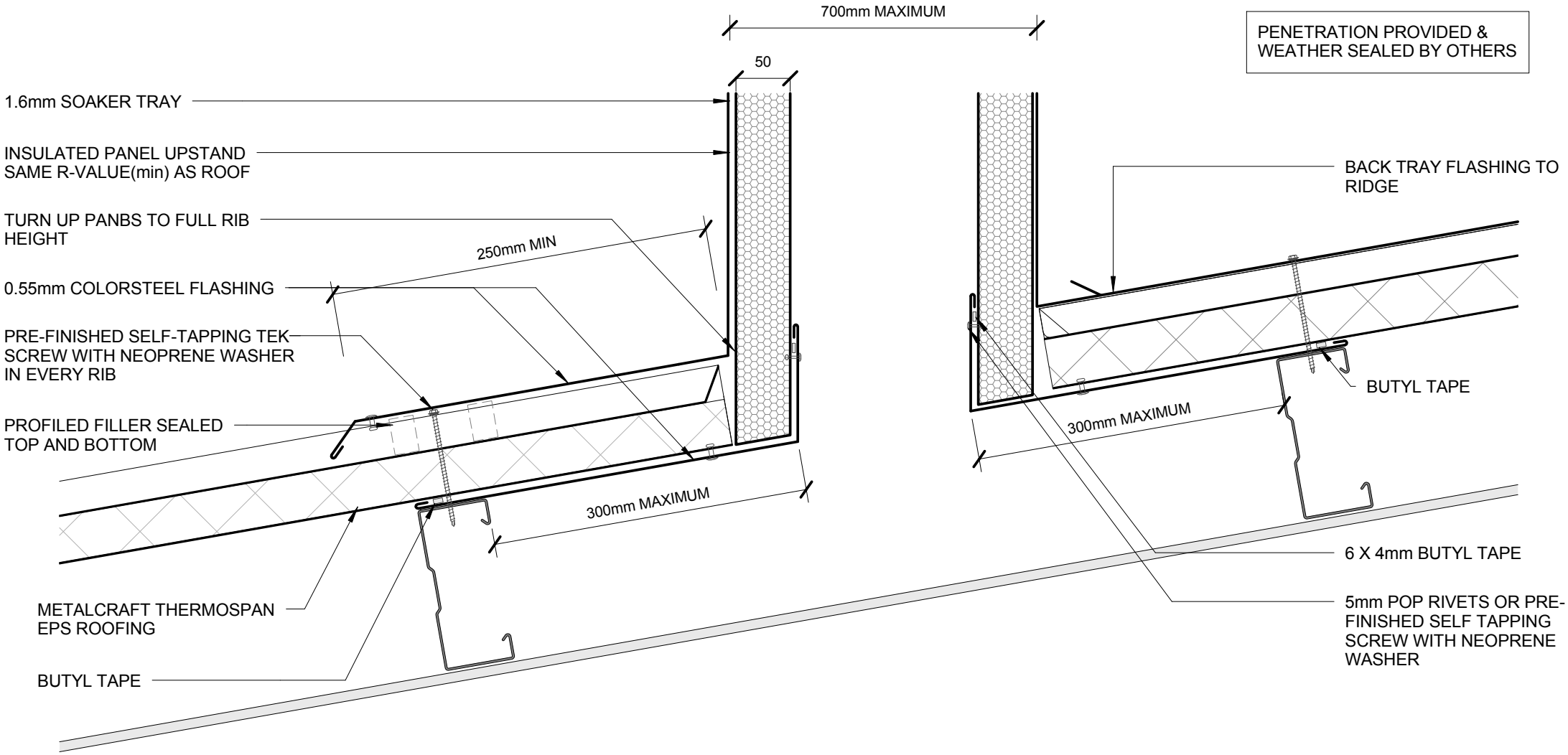
Reference CREPS | Date 14.12.2018 | Scale 1 : 5 | Sheet 10 / 15

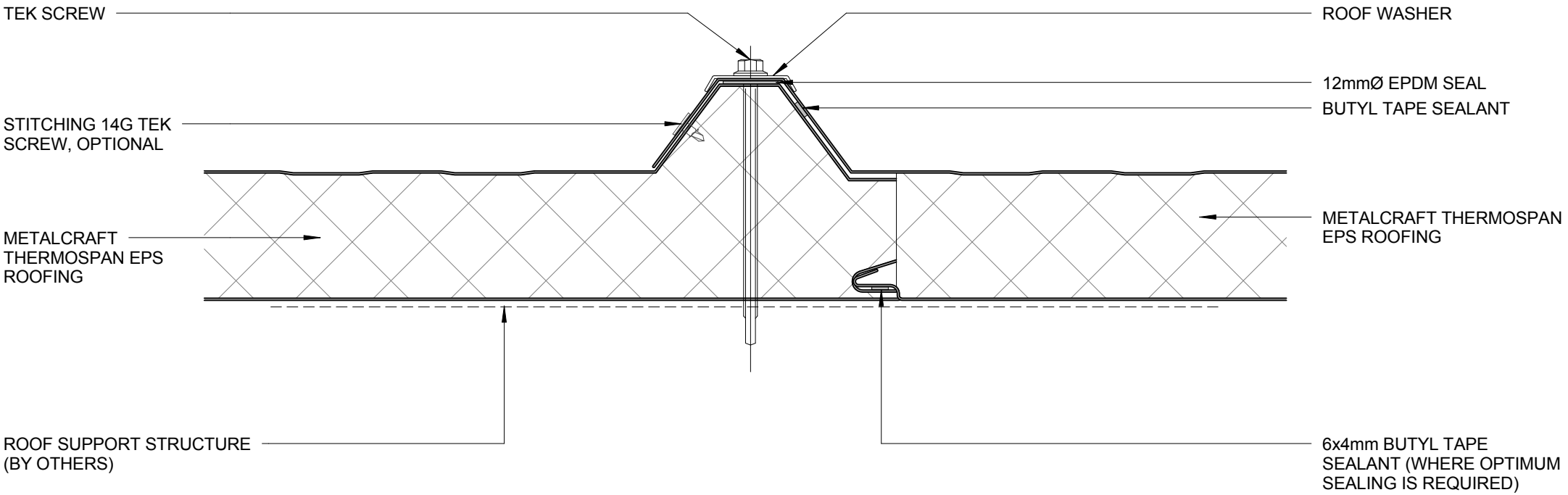


INSULATED PENETRATION DETAIL

Metalcraft Insulated Panels

ThermoSpan EPS | Rev. 2.0 | COMMERCIAL ROOFING

Reference CREPS | Date 14.12.2018 | Scale 1 : 5 | Sheet 11 / 15



Metalcraft Insulated Panels

SIDE LAP DETAIL

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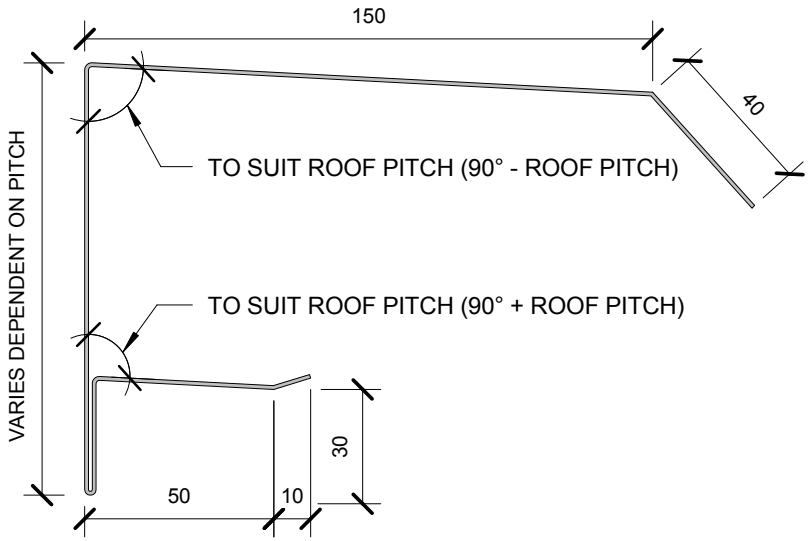
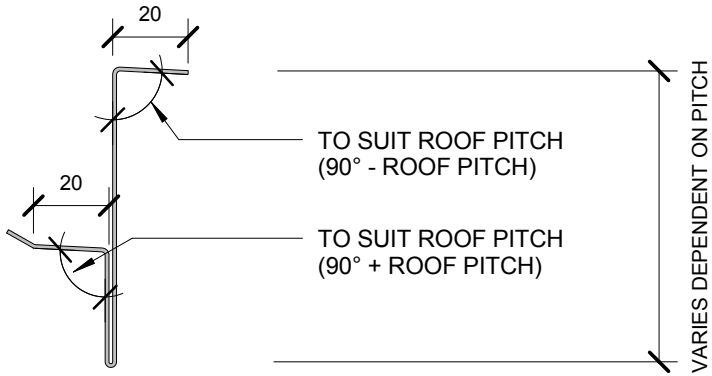
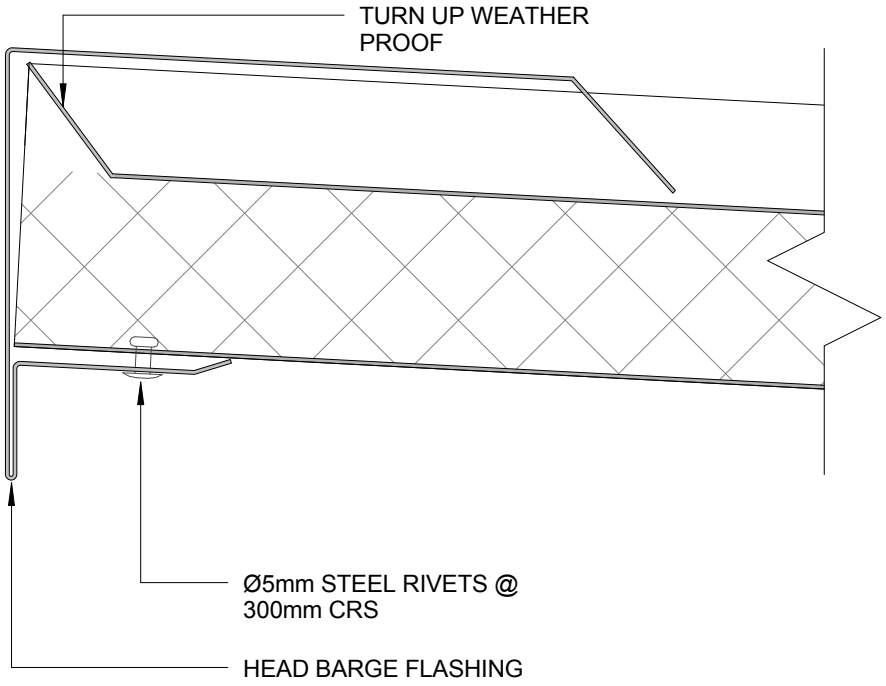
Reference CREPS | Date 14.12.2018 | Scale 1 : 2 | Sheet 12 / 15

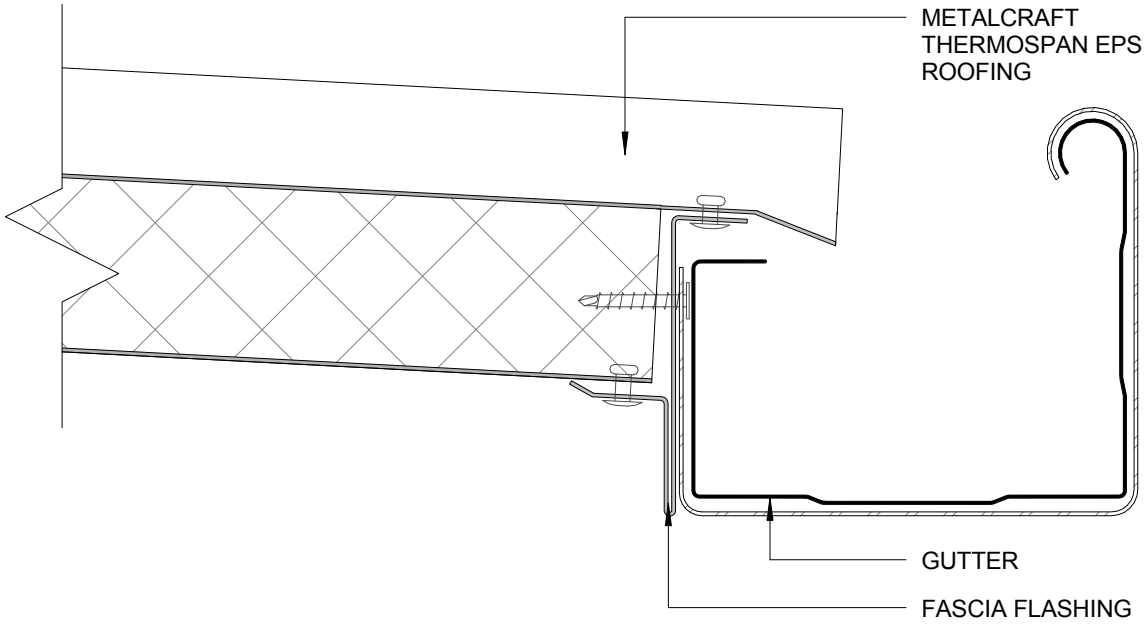
THERMOSPAN EPS HEAD BARGE FLASHING



THERMOSPAN FACIA FLASHING



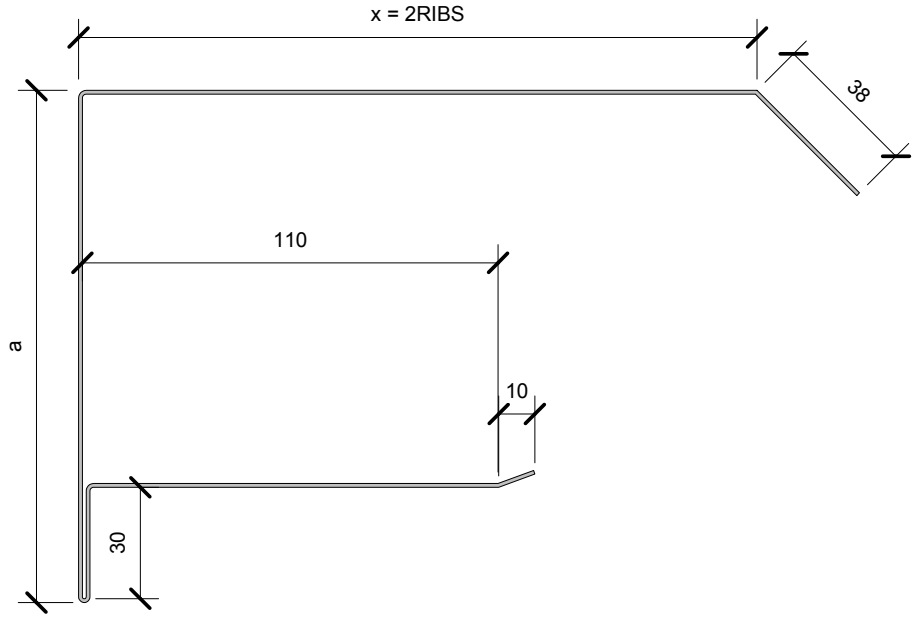




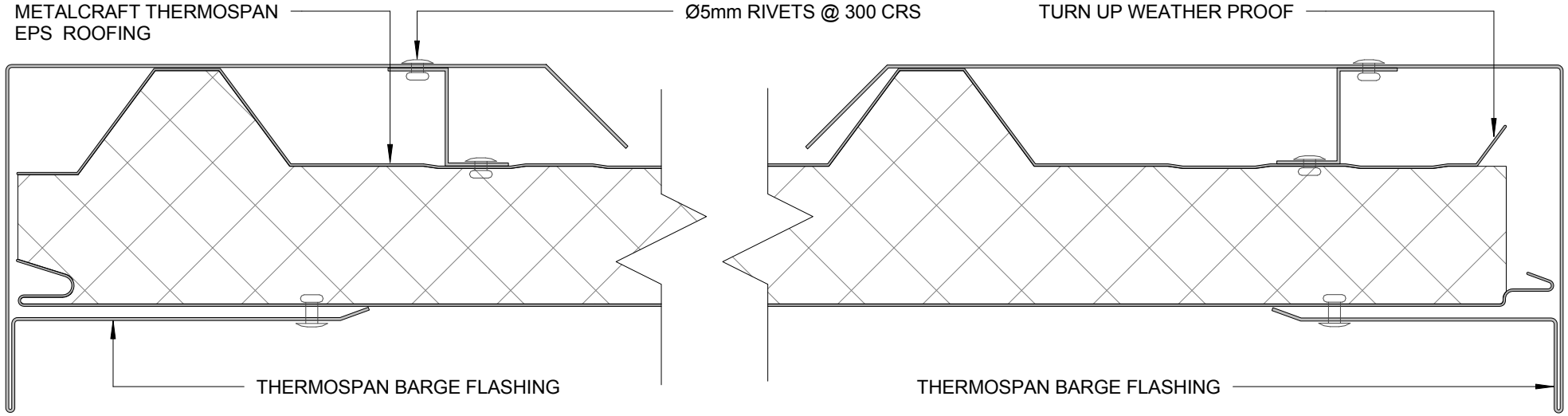
Metalcraft
Insulated Panels

FASCIA AND BARGE FLASHING DIMENSIONS

THERMOSPAN SIDE BARGE



SIDE BARGE	
Thermospan thickness	Flashing Height (a)
50mm	115mm
75mm	140mm
100mm	165mm
125mm	190mm
150mm	215mm
200mm	265mm
250mm	315mm

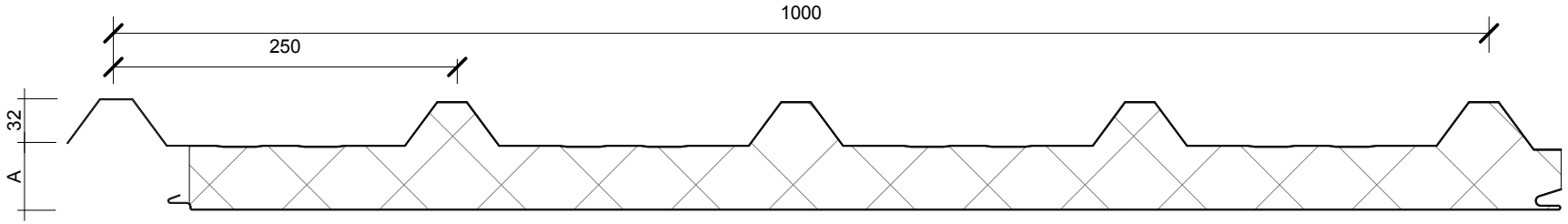


Metalcraft Insulated Panels

SIDE BARGE FLASHING DIMENSIONS

THERMOSPAN EPS

A = 50, 75, 100,
125,150, 200, 250



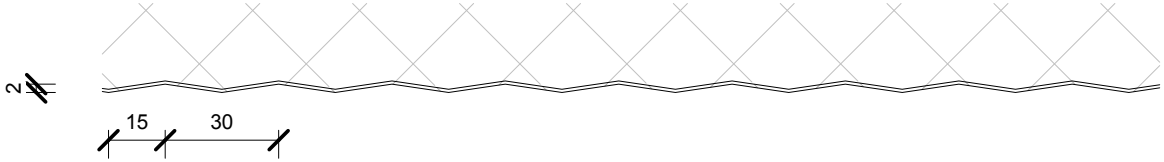
FLAT FINISH

SCALE @ 1:5

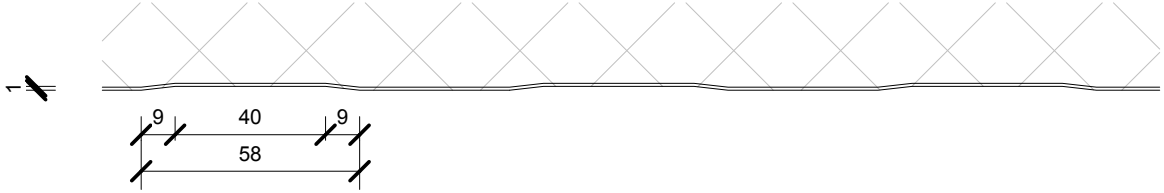
INTERNAL LINER FINISHES

SCALE @ 1:2

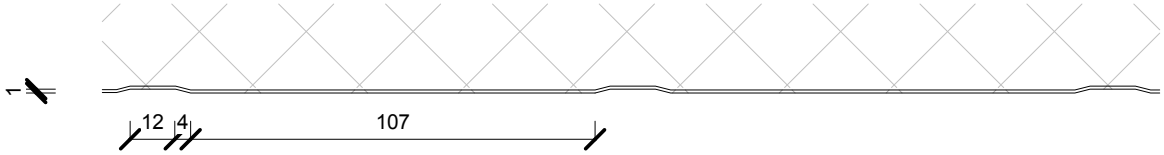
SILKLINE FINISH



MESA FINISH



RIBBED FINISH



Metalcraft
Insulated Panels

PANEL PROFILE AND SIZE

ThermoSpan EPS Rev. 1.1 COMMERCIAL ROOFING

Reference CREPS Date 14.12.2018 Scale As indicated Sheet 15 / 15