

ThermoSpan EPS

COMMERCIAL ROOFING

DETAIL LIST

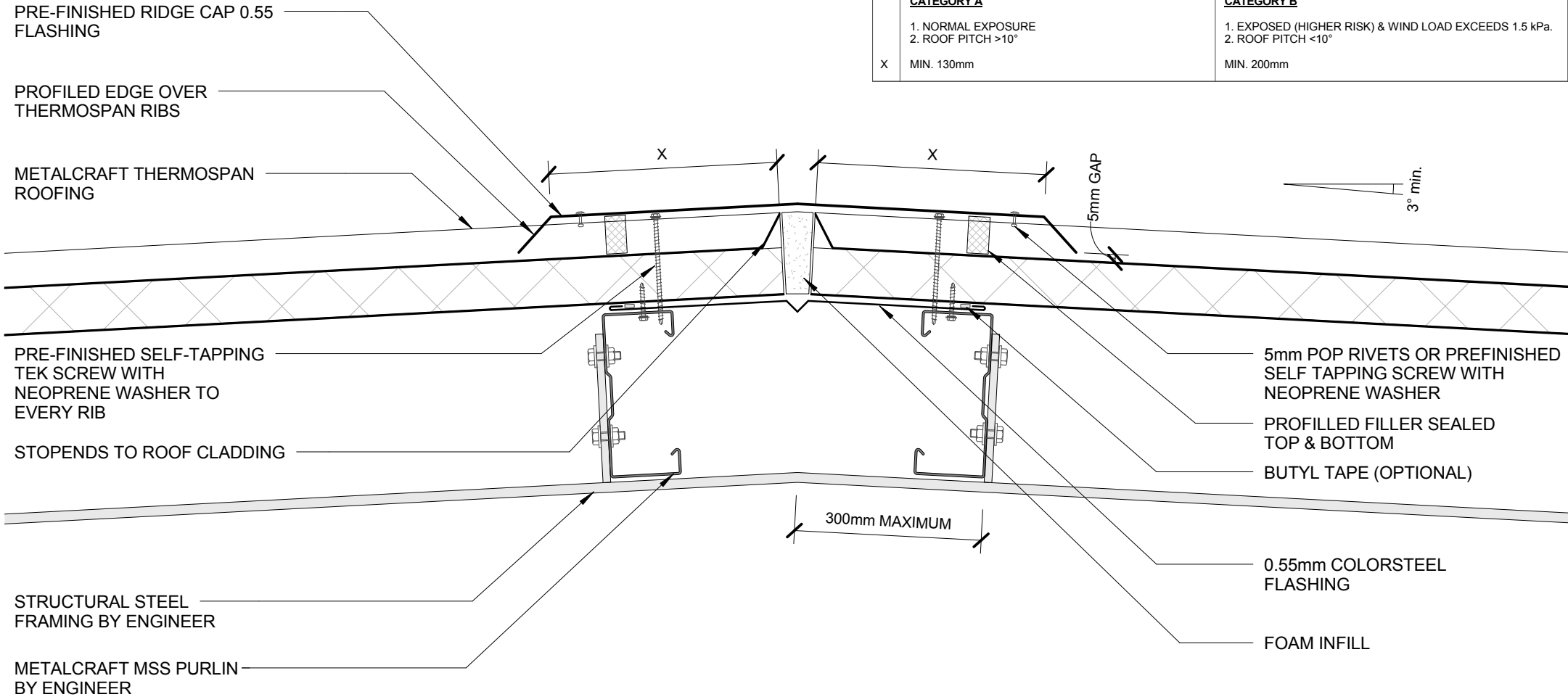
00 / 15	COVER SHEET
01 / 15	RIDGE DETAIL
02 / 15	HEAD FLASHING DETAIL
03 / 15	EAVES GUTTER DETAIL
04 / 15	INSULATED GUTTER
05 / 15	INSULATED BOX GUTTER
06 / 15	BARGE CAPPING DETAIL
07 / 15	BARGE/PARAPET DETAIL
08 / 15	END LAP DETAIL
09 / 15	EXPANSION STEP DETAIL
10 / 15	SKYLIGHT PANEL DETAIL (OPTIONAL)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

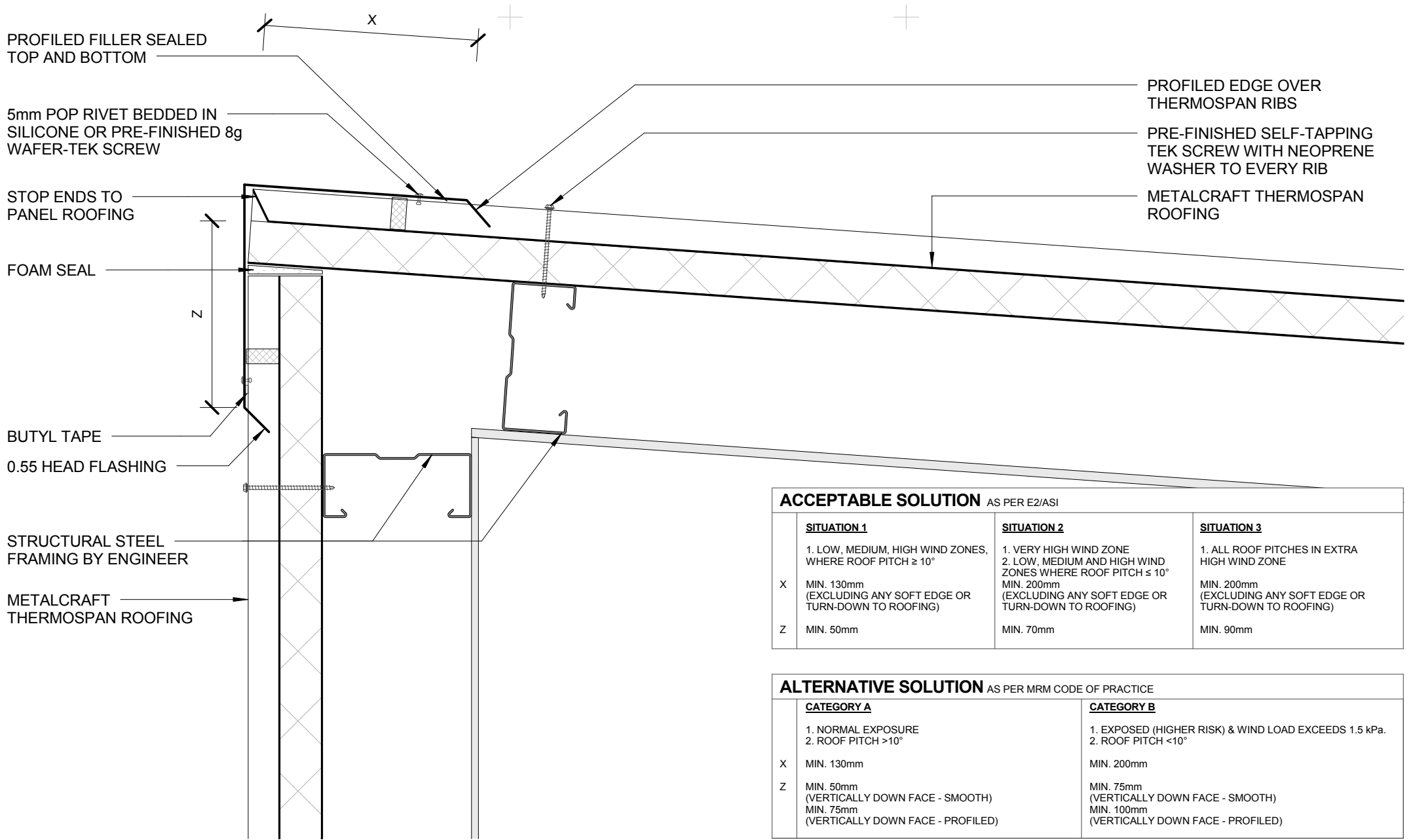
ACCEPTABLE SOLUTION AS PER E2/ASI

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

PRE-FINISHED SELF-TAPPING TEK SCREW WITH NEOPRENE WASHER TO EVERY RIB

FOAM SEAL

METALCRAFT BOX GUTTER 175 WITH EXTERNAL BRACKET

BUTYL TAPE (OPTIONAL)

PRE-FINISHED 0.55 GUTTER FLASHING

INSULATED PANEL

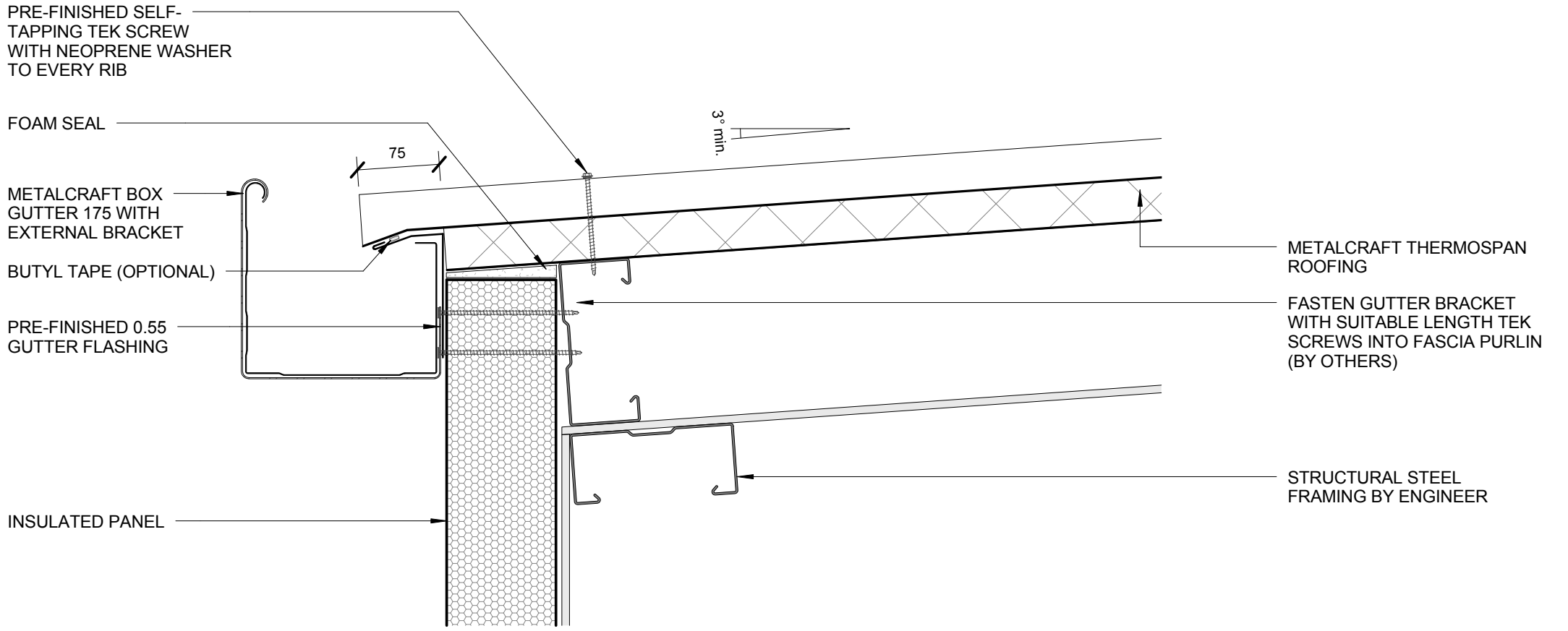
3° min.

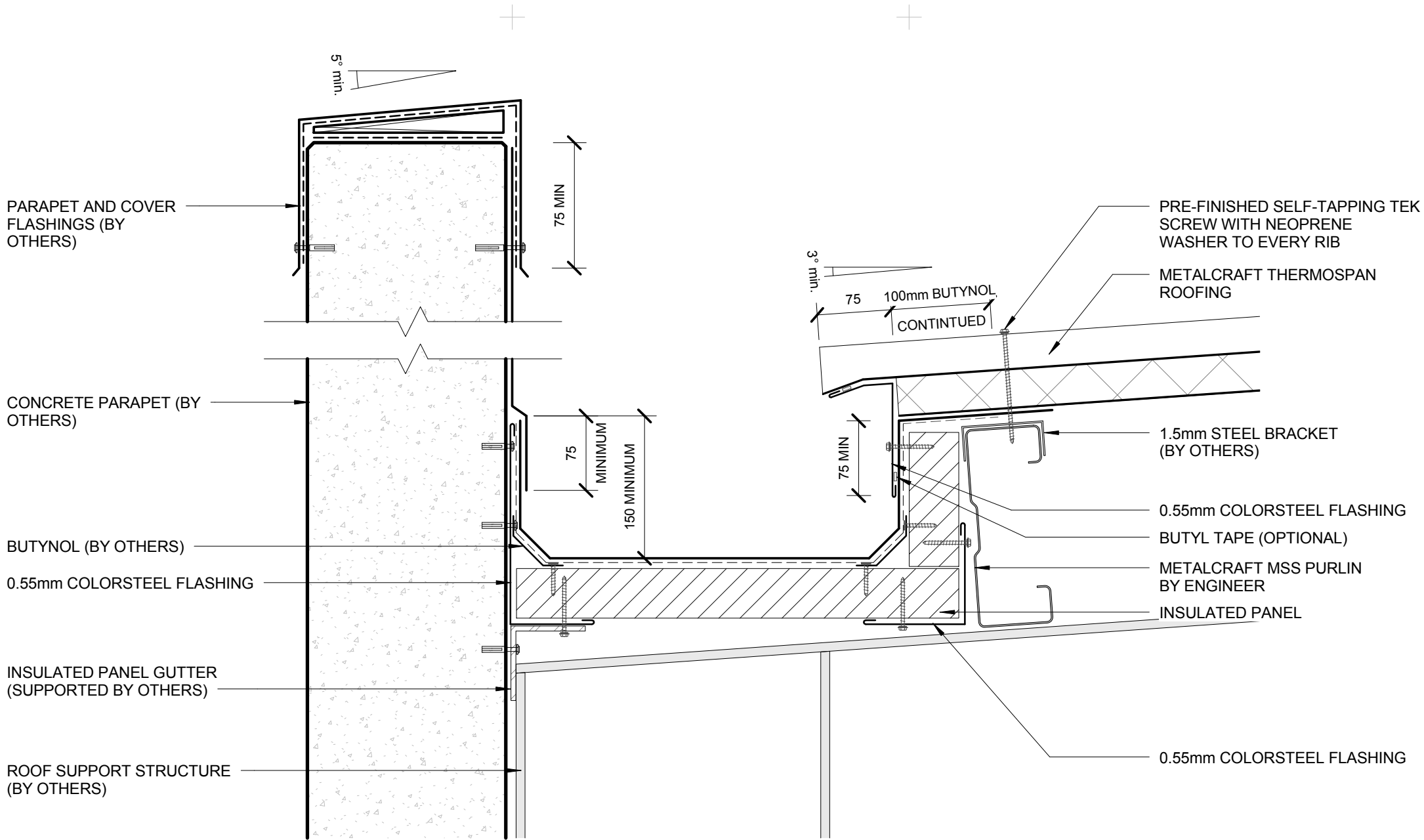
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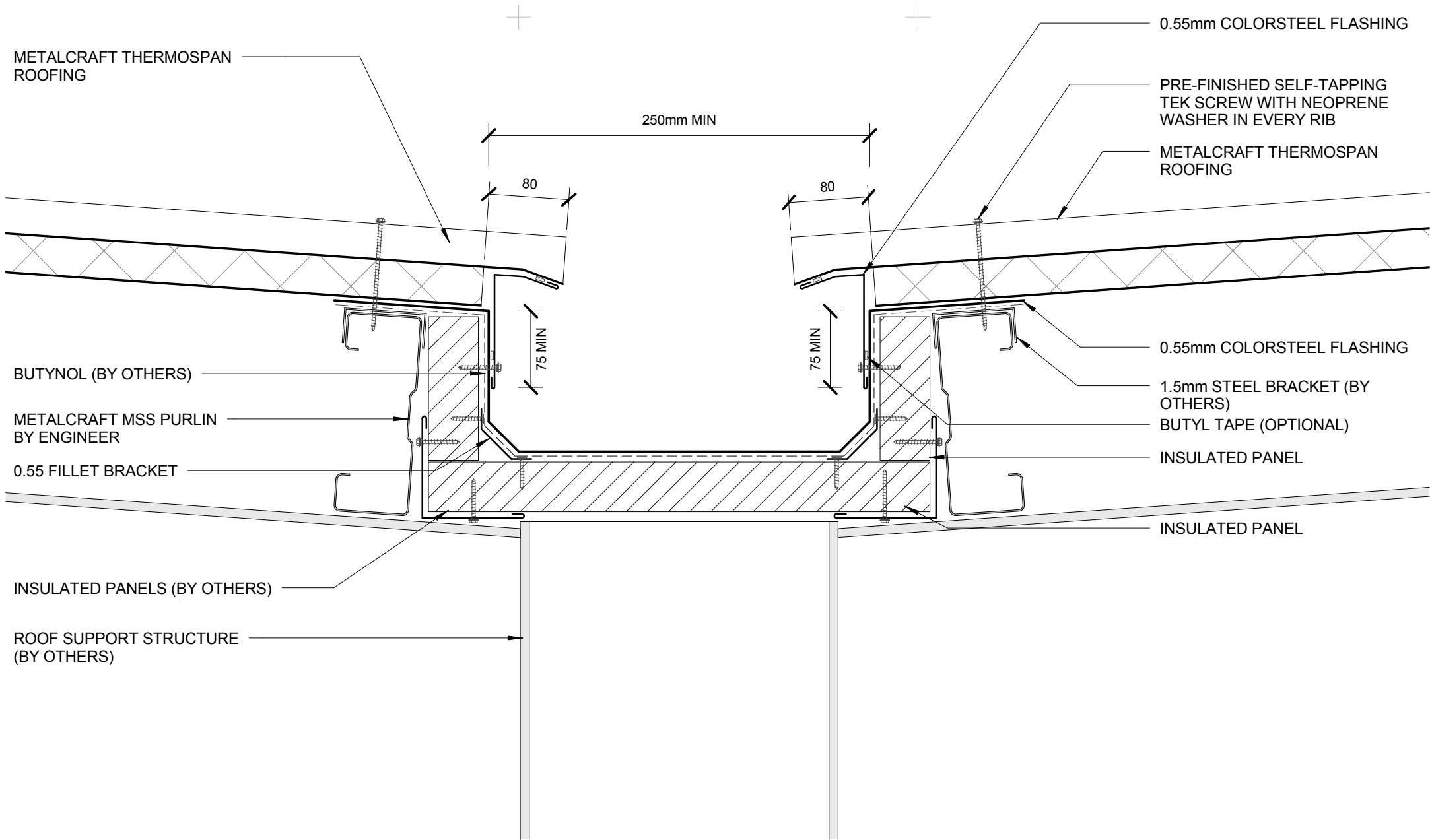
METALCRAFT THERMOSPAN ROOFING

FASTEN GUTTER BRACKET WITH SUITABLE LENGTH TEK SCREWS INTO FASCIA PURLIN (BY OTHERS)

STRUCTURAL STEEL FRAMING BY ENGINEER







METALCRAFT THERMOSPAN ROOFING

0.55mm COLORSTEEL FLASHING

250mm MIN

PRE-FINISHED SELF-TAPPING TEK SCREW WITH NEOPRENE WASHER IN EVERY RIB

METALCRAFT THERMOSPAN ROOFING

80

80

0.55mm COLORSTEEL FLASHING

BUTYNOL (BY OTHERS)

1.5mm STEEL BRACKET (BY OTHERS)

METALCRAFT MSS PURLIN BY ENGINEER

BUTYL TAPE (OPTIONAL)

0.55 FILLET BRACKET

INSULATED PANEL

75 MIN

75 MIN

INSULATED PANEL

INSULATED PANELS (BY OTHERS)

ROOF SUPPORT STRUCTURE (BY OTHERS)

INSULATED BOX GUTTER

COMMERCIAL ROOFING

Metalcraft
Insulated Panel Systems

DISCLAIMER:
All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 2.2 /2012, E2 and all other relevant building codes
Details of the supporting mechanisms are indicative only. Compliance of the supporting mechanisms is the responsibility of the designer.

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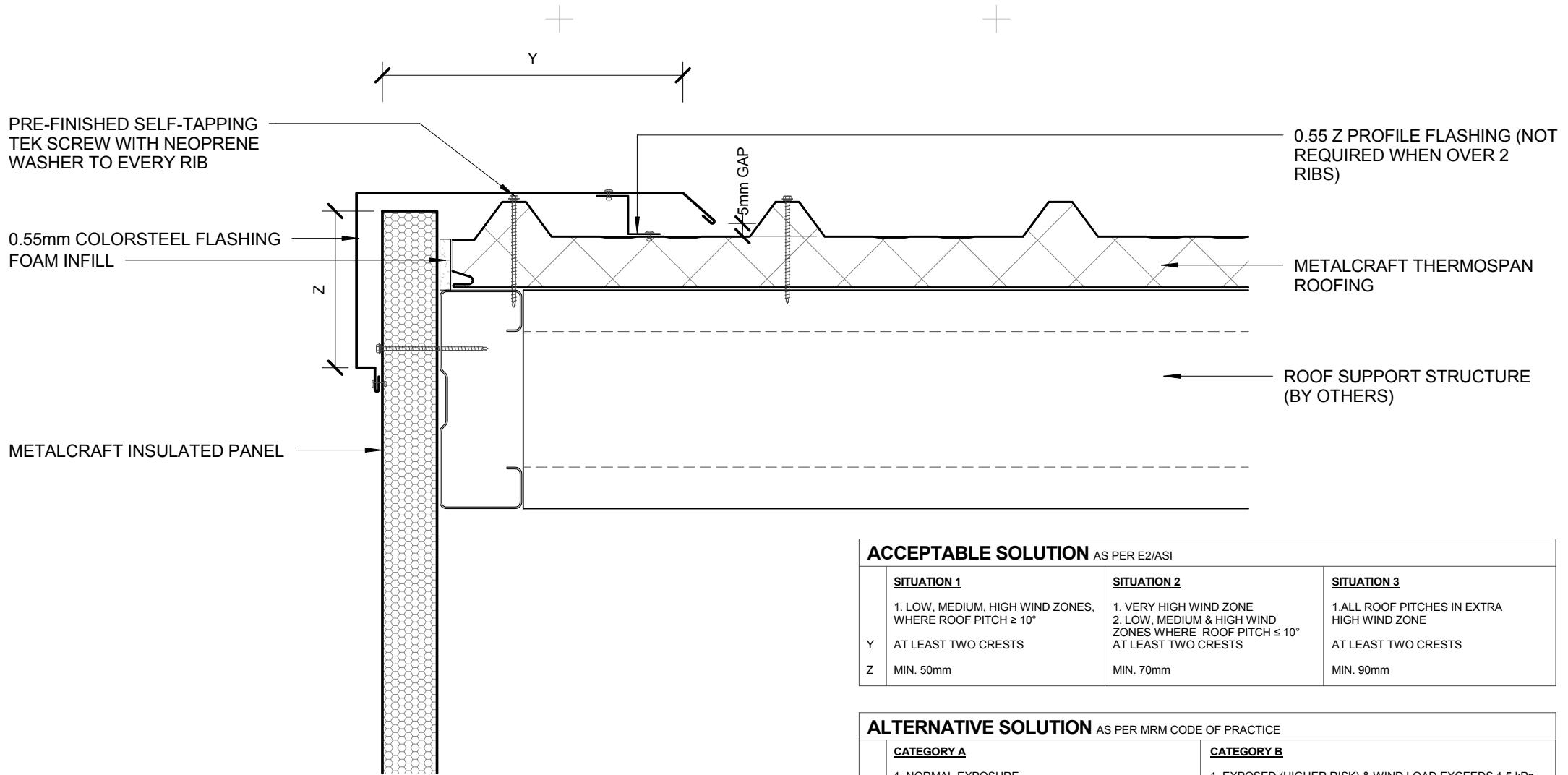
Reference CREPS

Date 30.08.2016

Scale 1 : 5

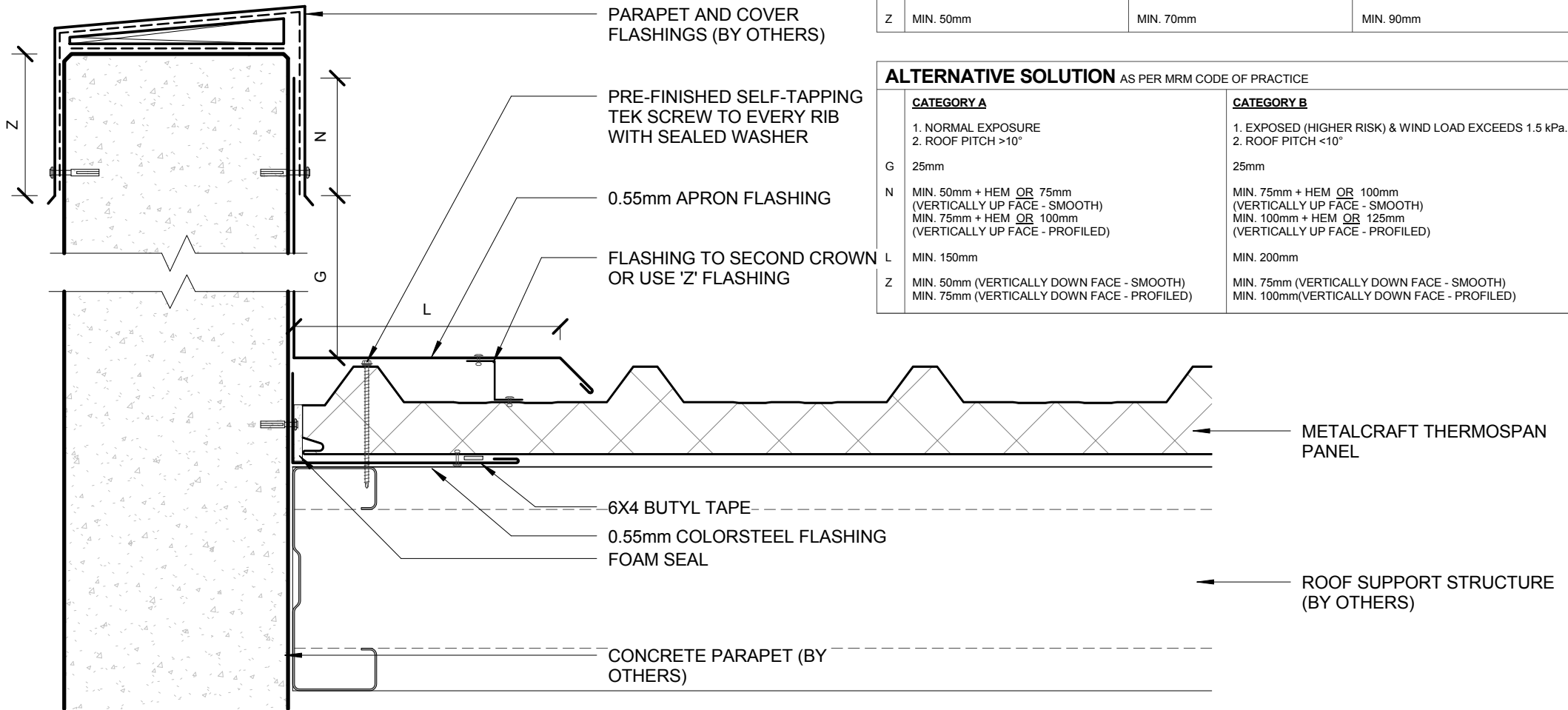
Sheet

05 / 15



ACCEPTABLE SOLUTION AS PER E2/ASI			
	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	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)

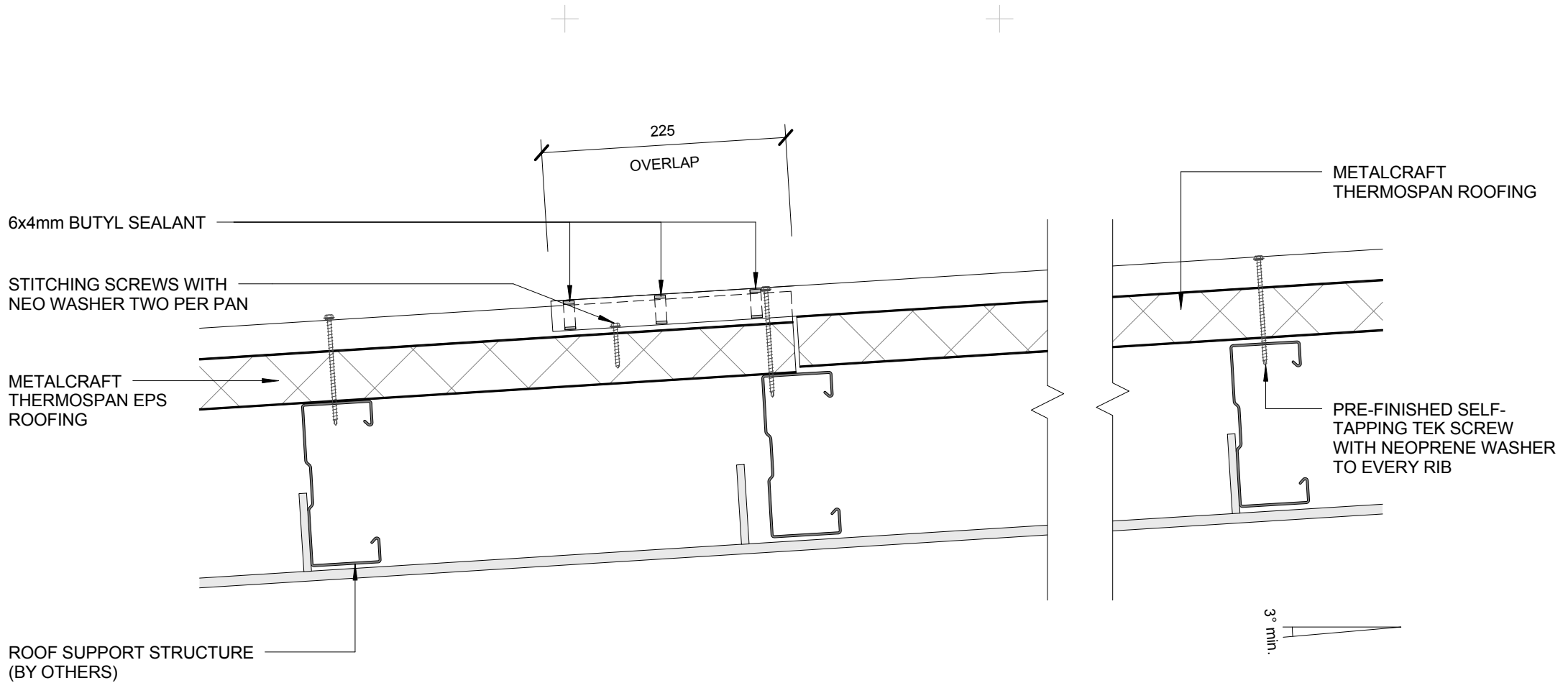


ACCEPTABLE SOLUTION AS PER E2/ASI

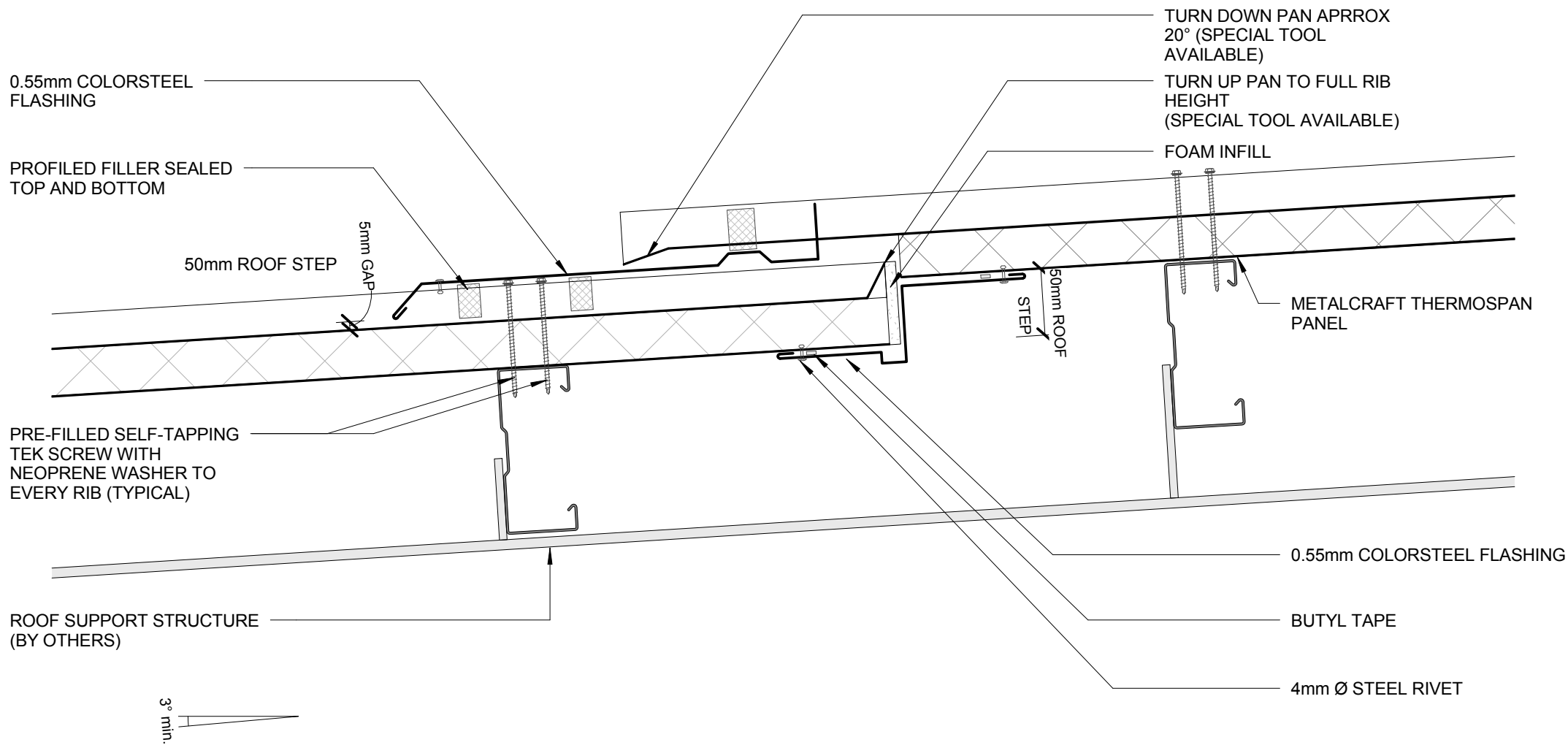
	SITUATION 1 1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	SITUATION 2 1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, & HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	SITUATION 3 1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE
G	MIN. 35mm	MIN. 35mm	MIN. 35mm
N	MIN. 75mm	MIN.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

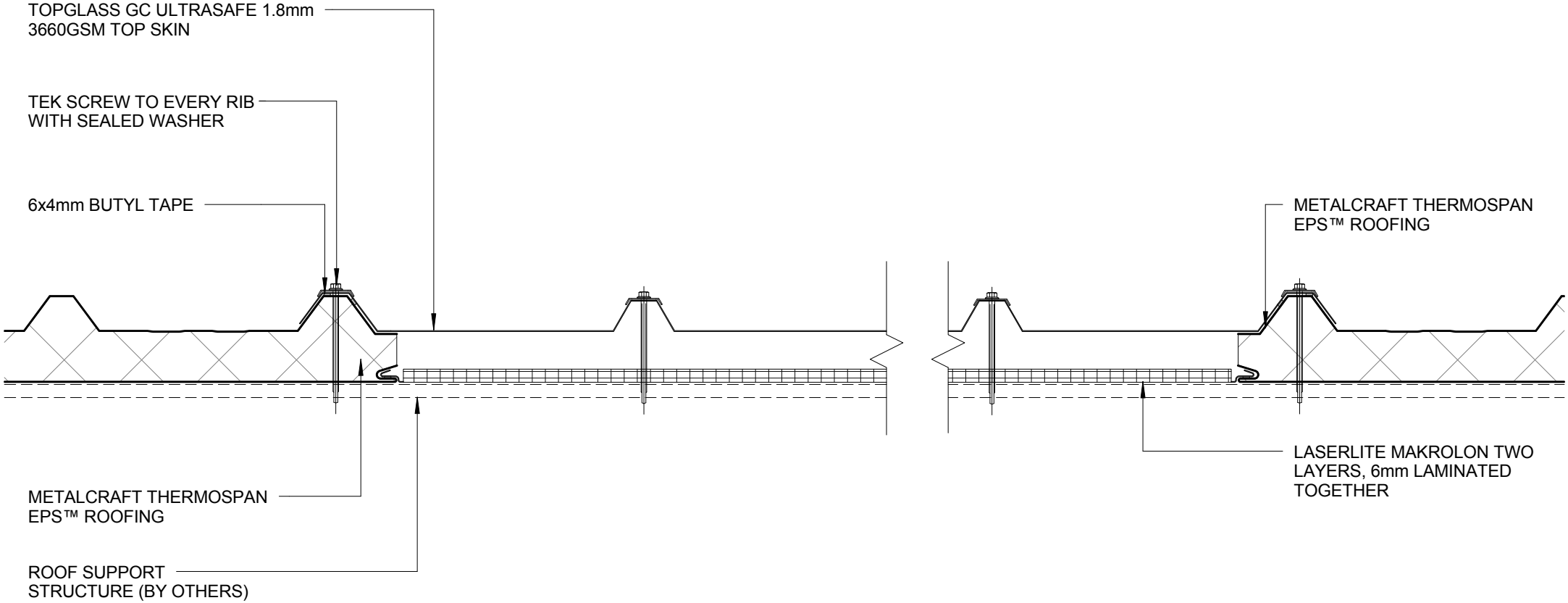
	CATEGORY A 1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	CATEGORY B 1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
G	25mm	25mm
N	MIN. 50mm + HEM <u>OR</u> 75mm (VERTICALLY UP FACE - SMOOTH) MIN. 75mm + HEM <u>OR</u> 100mm (VERTICALLY UP FACE - PROFILED)	MIN. 75mm + HEM <u>OR</u> 100mm (VERTICALLY UP FACE - SMOOTH) MIN. 100mm + HEM <u>OR</u> 125mm (VERTICALLY UP FACE - PROFILED)
L	MIN. 150mm	MIN. 200mm
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)

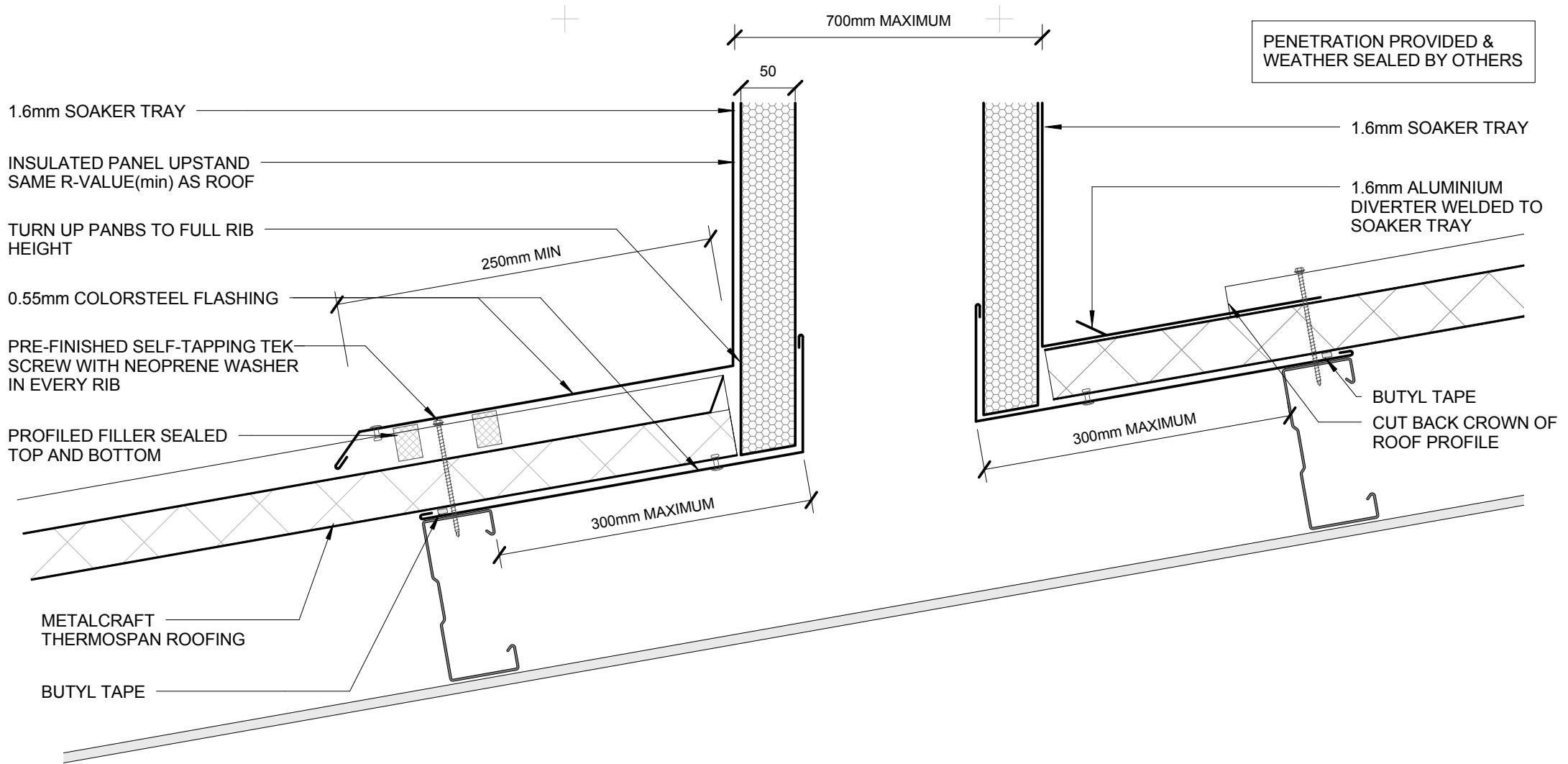


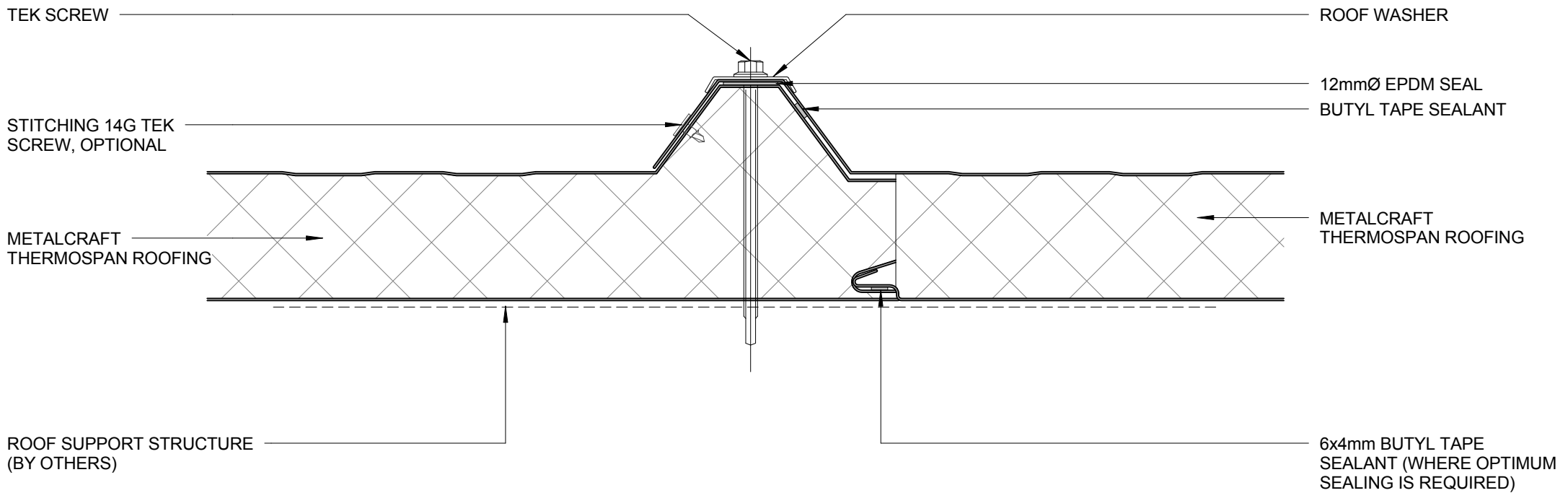
DETAIL RECOMMENDED
WHERE ROOF RUNS
EXCEED 16m



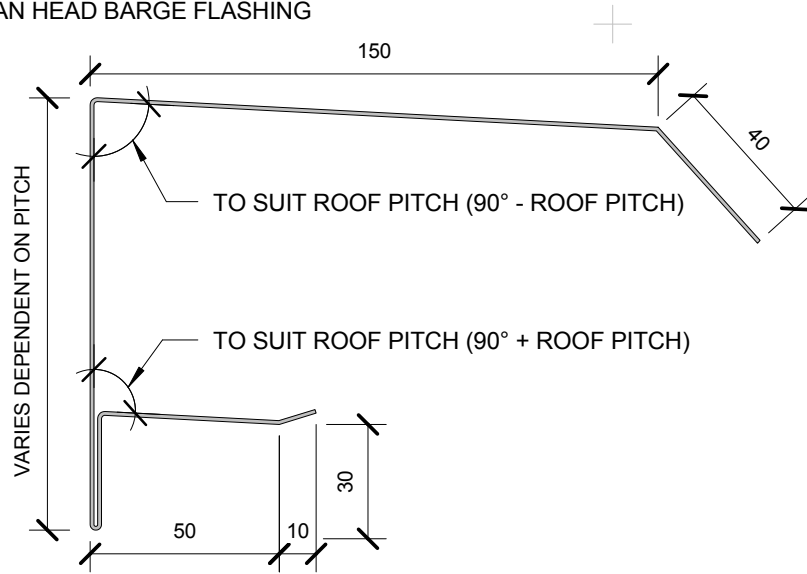
- ALSYNITE RECOMMEND CONTINUOUS RUN FROM RIDGE TO GUTTER
- R-VALUE OF ROOFLIGHT =0.57
- NO SAFETY MESH REQUIRED
- FOR MORE INFORMATION REFER www.alsynite.co.nz



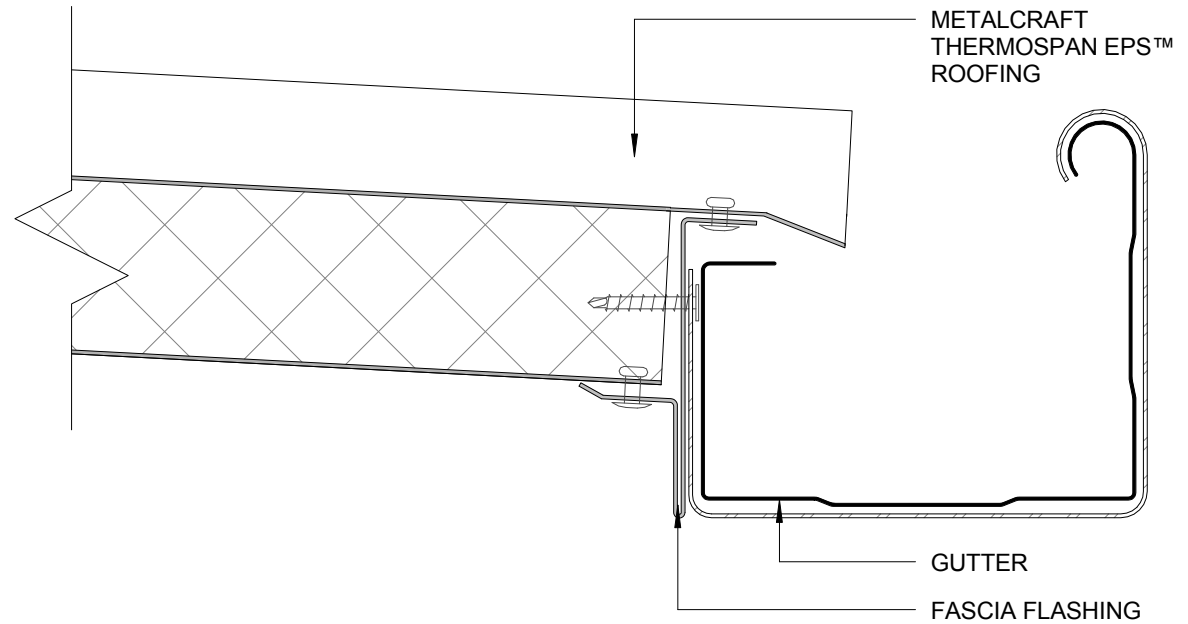
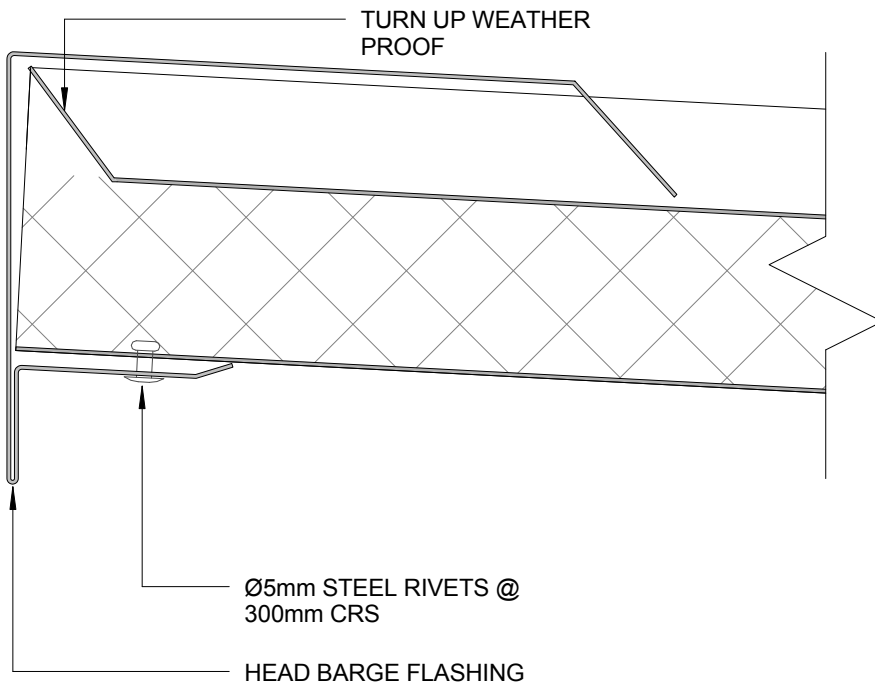
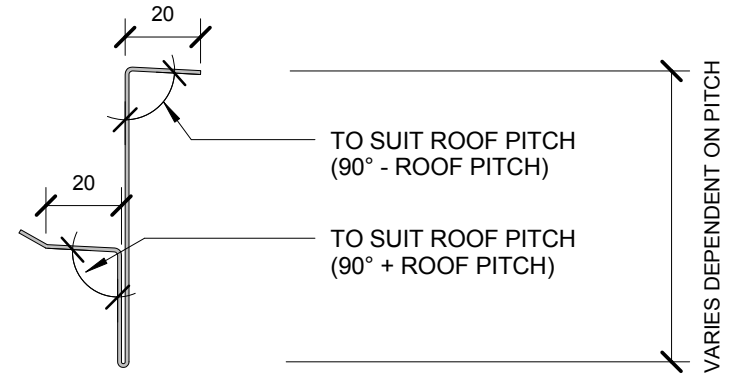




THERMOSPAN HEAD BARGE FLASHING



THERMOSPAN FACIA FLASHING

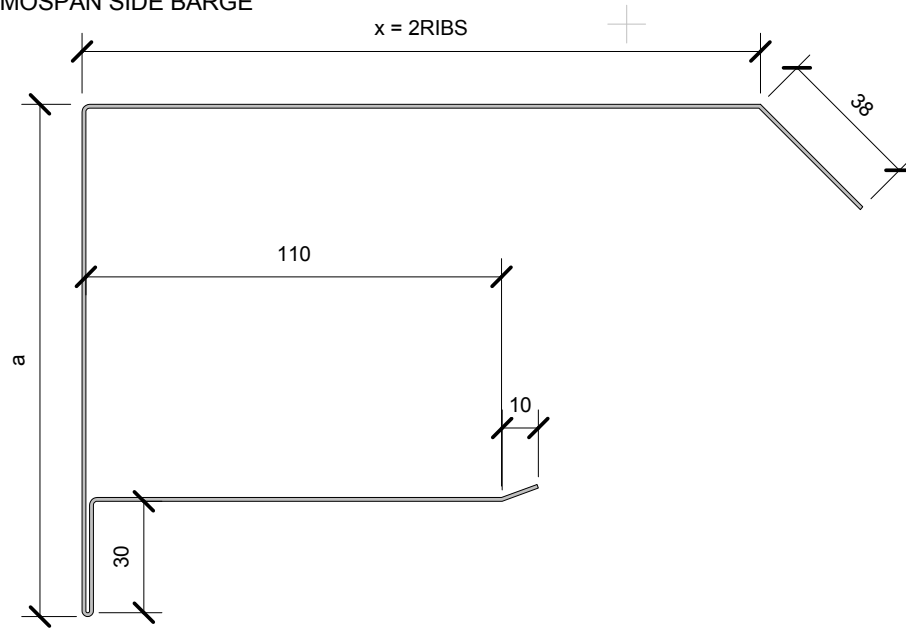


FASCIA AND BARGE FLASHING DIMENSIONS

ThermoSpan Commercial

COMMERCIAL ROOFING

THERMOSPAN SIDE BARGE

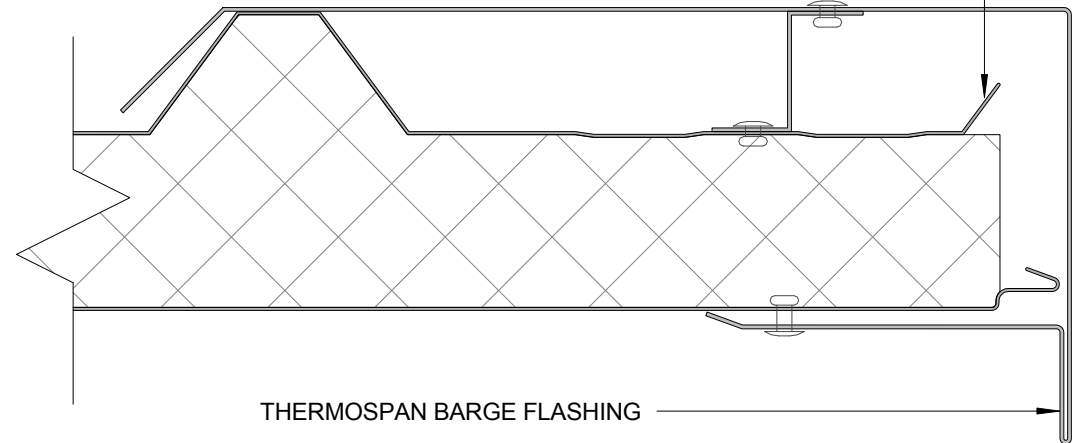
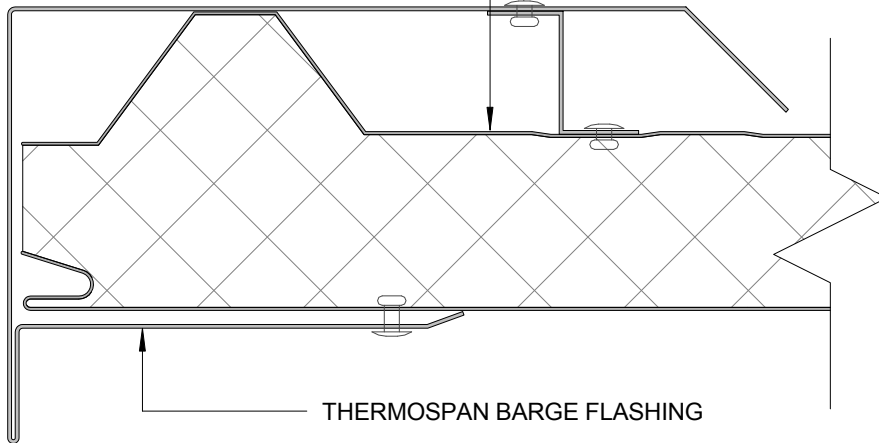


SIDE BARGE	
Thermospan thickness	Flashing Height (a)
50mm	115mm
75mm	140mm
100mm	165mm
125mm	190mm
150mm	215mm
200mm	265mm
250mm	315mm

METALCRAFT THERMOSPAN ROOFING

Ø5mm RIVETS @ 300 CRS

TURN UP WEATHER PROOF

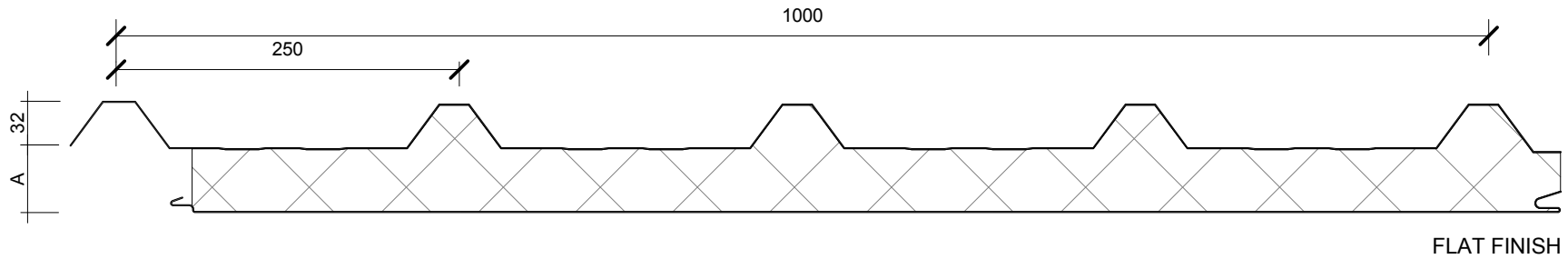


THERMOSPAN BARGE FLASHING

THERMOSPAN BARGE FLASHING

THERMOSPAN EPS

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



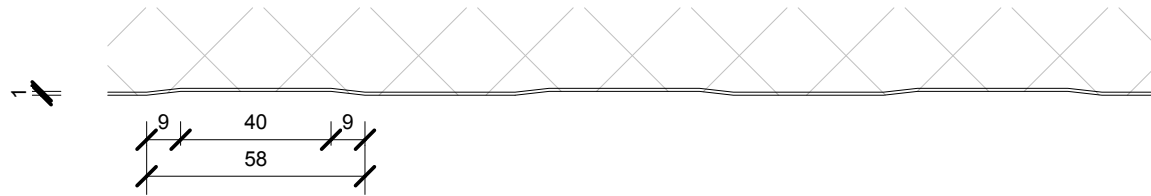
SCALE @ 1:5

INTERNAL LINER FINISHES

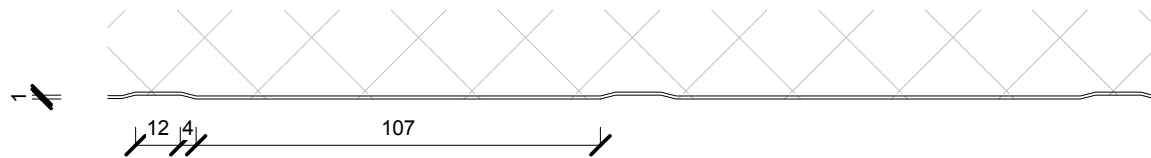
SILKLINE FINISH



MESA FINISH



RIBBED FINISH



SCALE @ 1:2