

ThermoSpan EPS

COMMERCIAL ROOFING

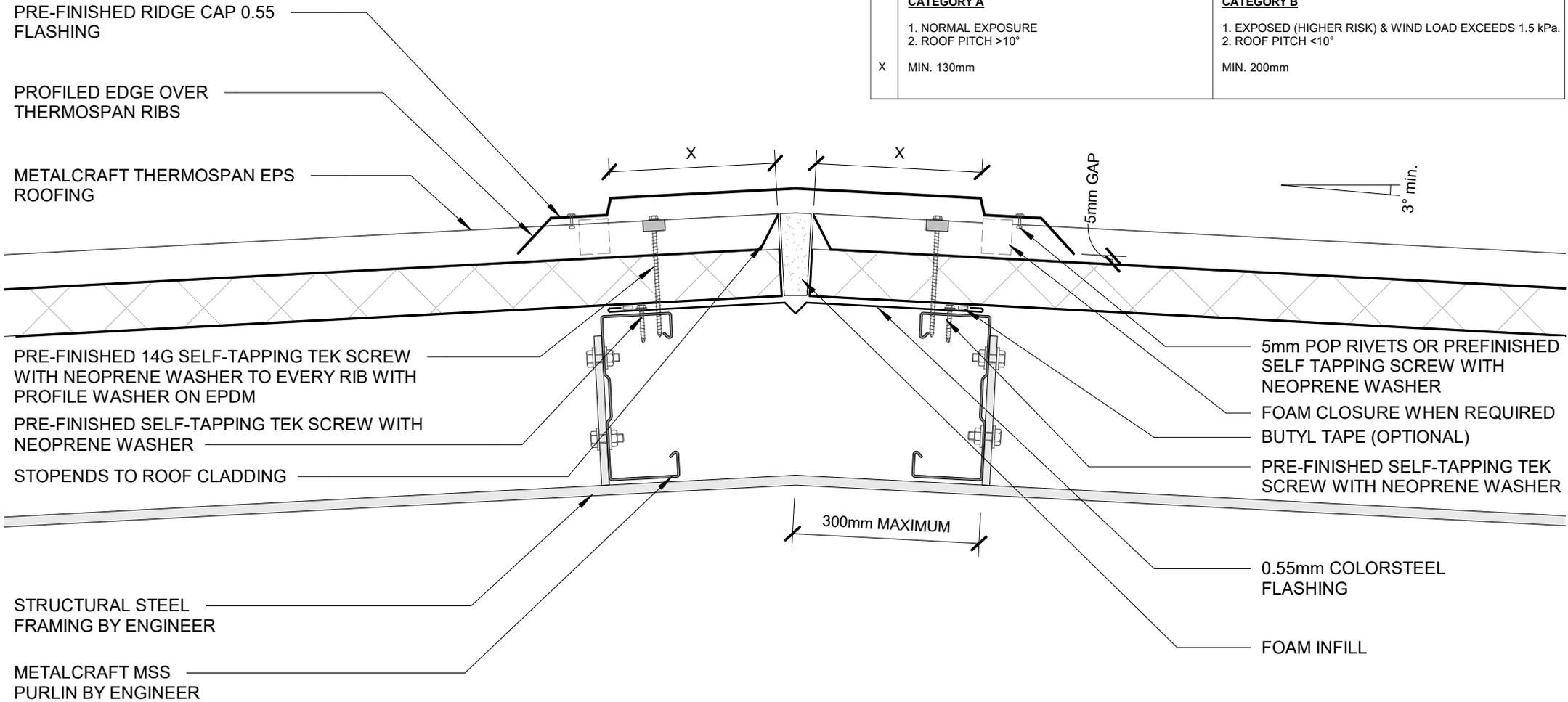
<u>DETAIL LIST</u>	<u>Revision</u>	<u>Date</u>
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COVER SHEET		
RIDGE DETAIL 01	1.2	30.01.2023
RIDGE DETAIL 02	1.0	30.01.2023
HEAD FLASHING DETAIL	3.0	30.01.2023
SAW TOOTH SOFFIT DETAIL 01	1.0	30.01.2023
SAW TOOTH SOFFIT DETAIL 02	1.0	30.01.2023
EAVES GUTTER DETAIL	2.1	30.01.2023
INSULATED GUTTER	2.1	30.01.2023
INSULATED BOX GUTTER	2.1	30.01.2023
BARGE WITH PROFILED CLADDING 01	1.0	30.01.2023
BARGE WITH PROFILED CLADDING 02	1.0	30.01.2023
BARGE CAPPING DETAIL	1.2	30.01.2023
BARGE/PARAPET DETAIL	1.2	30.01.2023
END LAP DETAIL	1.2	30.01.2023
GUTTER DETAIL 01	1.0	30.01.2023
GUTTER DETAIL 02	1.0	30.01.2023
EXPANSION STEP DETAIL	1.2	30.01.2023
CANTILEVER BARGE CAPPING DETAIL 01	1.0	30.01.2023
CANTILEVER BARGE CAPPING DETAIL 02	1.0	30.01.2023
SKYLIGHT PANEL DETAIL (OPTIONAL)	2.1	30.01.2023
INSULATED PENETRATION DETAIL	2.1	30.01.2023
SIDE LAP DETAIL	2.0	30.01.2023
FASCIA AND BARGE FLASHING DIMENSIONS	1.2	30.01.2023
SIDE BARGE FLASHING DIMENSIONS	1.2	30.01.2023
PANEL PROFILE AND SIZE	1.2	30.01.2023

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

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

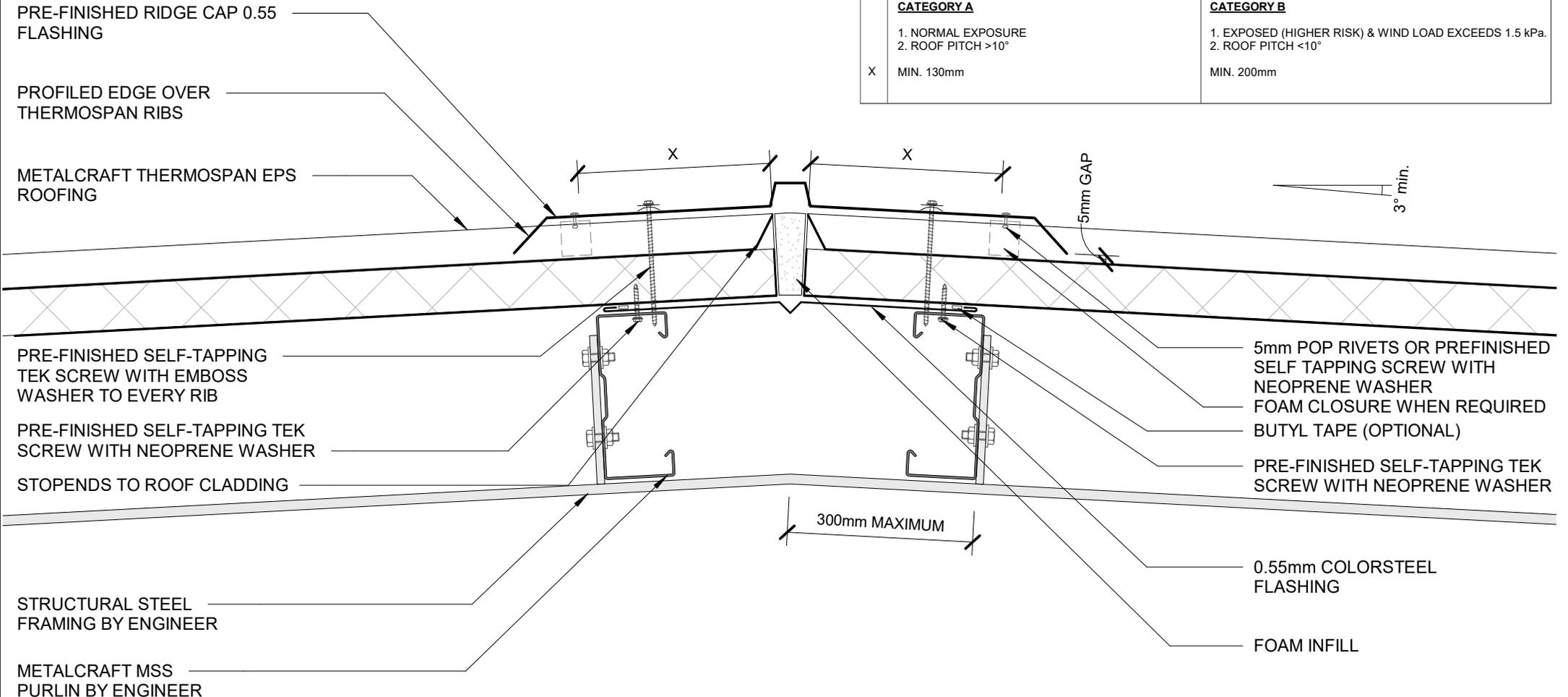


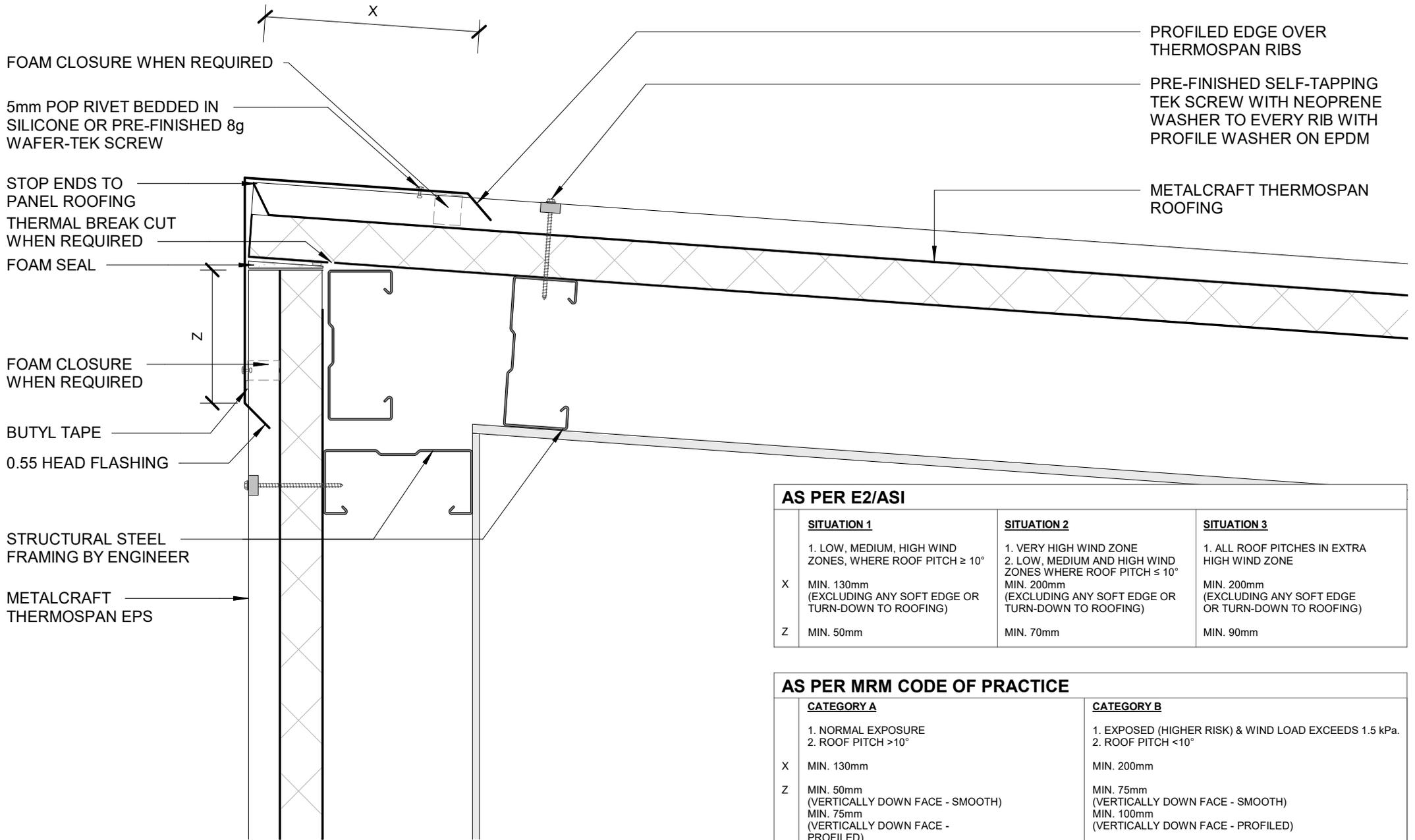
AS PER E2/ASI

	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)	

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

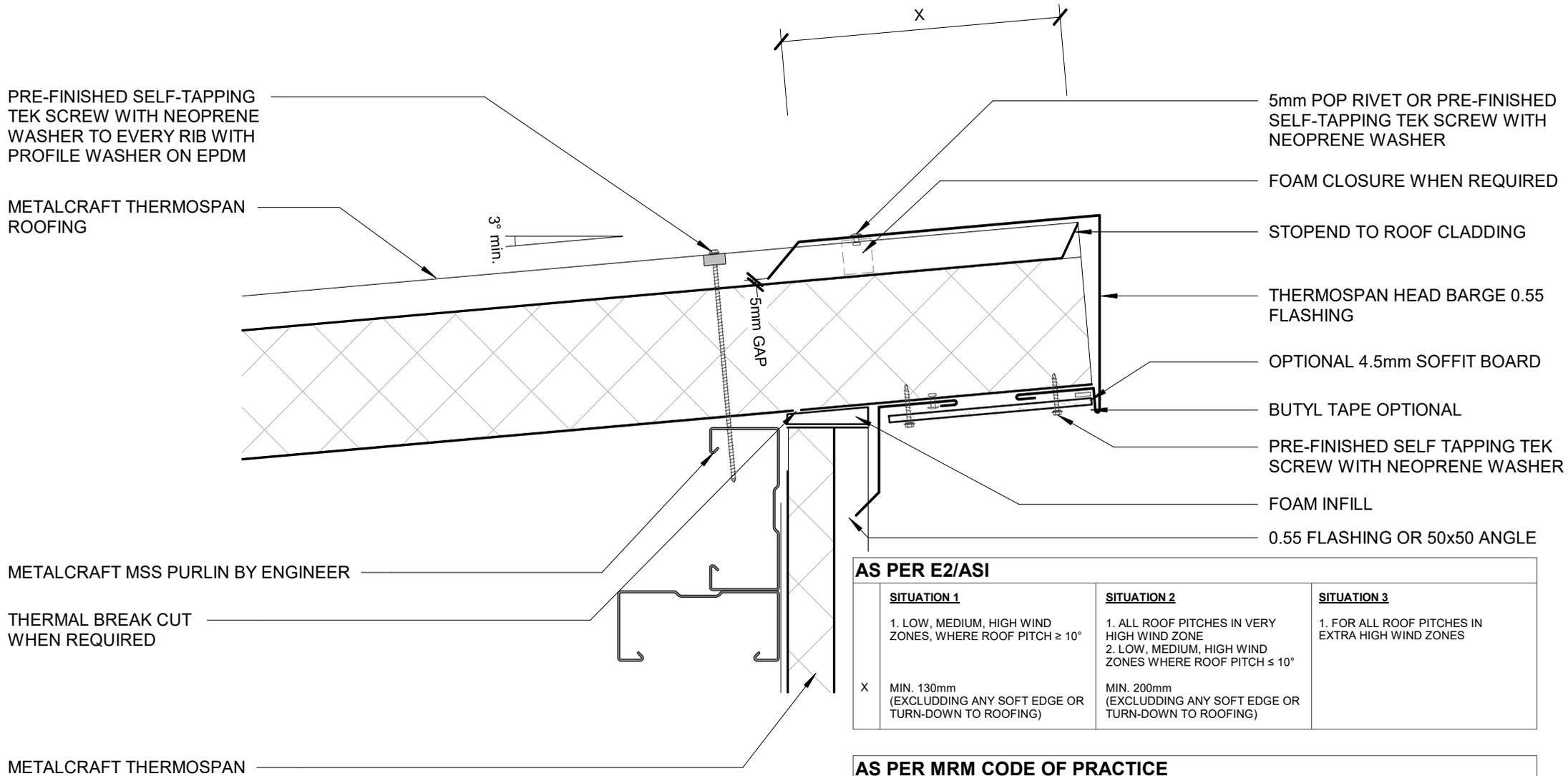




AS PER E2/ASI			
	SITUATION 1	SITUATION 2	SITUATION 3
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. VERY HIGH WIND ZONE 2. LOW, MEDIUM AND HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE
X	MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN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

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)

HEAD FLASHING DETAIL
COMMERCIAL ROOFING



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)	

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 01

ThermoSpan EPS

Rev. 1.0

COMMERCIAL ROOFING

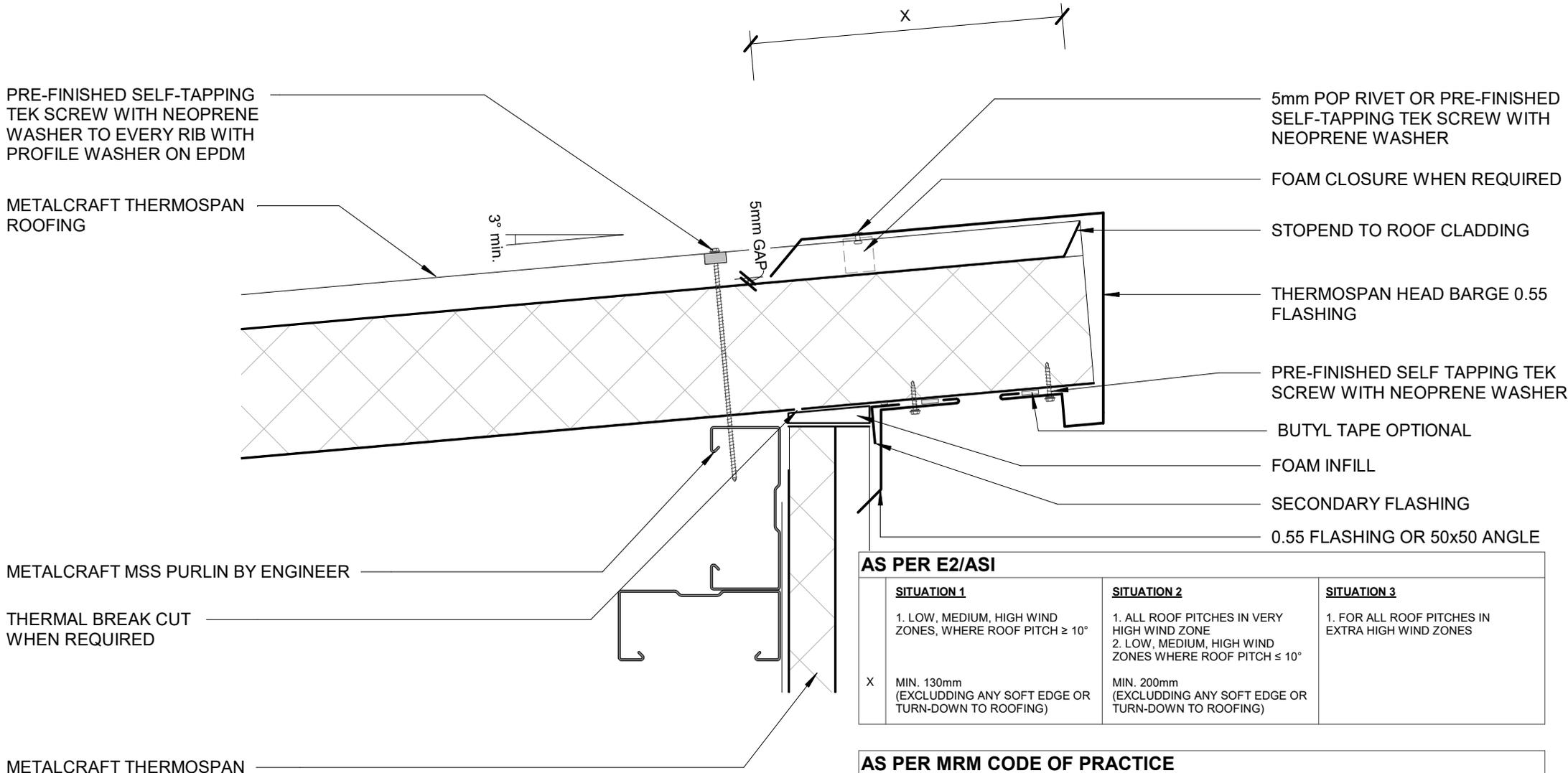
Reference CREPS

Date 30.01.2023

Scale 1 : 5

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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)	

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 02

ThermoSpan EPS

Rev. 1.0

COMMERCIAL ROOFING

Reference CREPS

Date 30.01.2023

Scale 1 : 5

Sheet

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

THERMAL BREAK CUT WHEN REQUIRED

FOAM SEAL

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

METALCRAFT BOX GUTTER 175 WITH EXTERNAL BRACKET

FOAM CLOSURE WHEN REQUIRED

BUTYL TAPE

PRE-FINISHED 0.55 GUTTER FLASHING

INSULATED PANEL

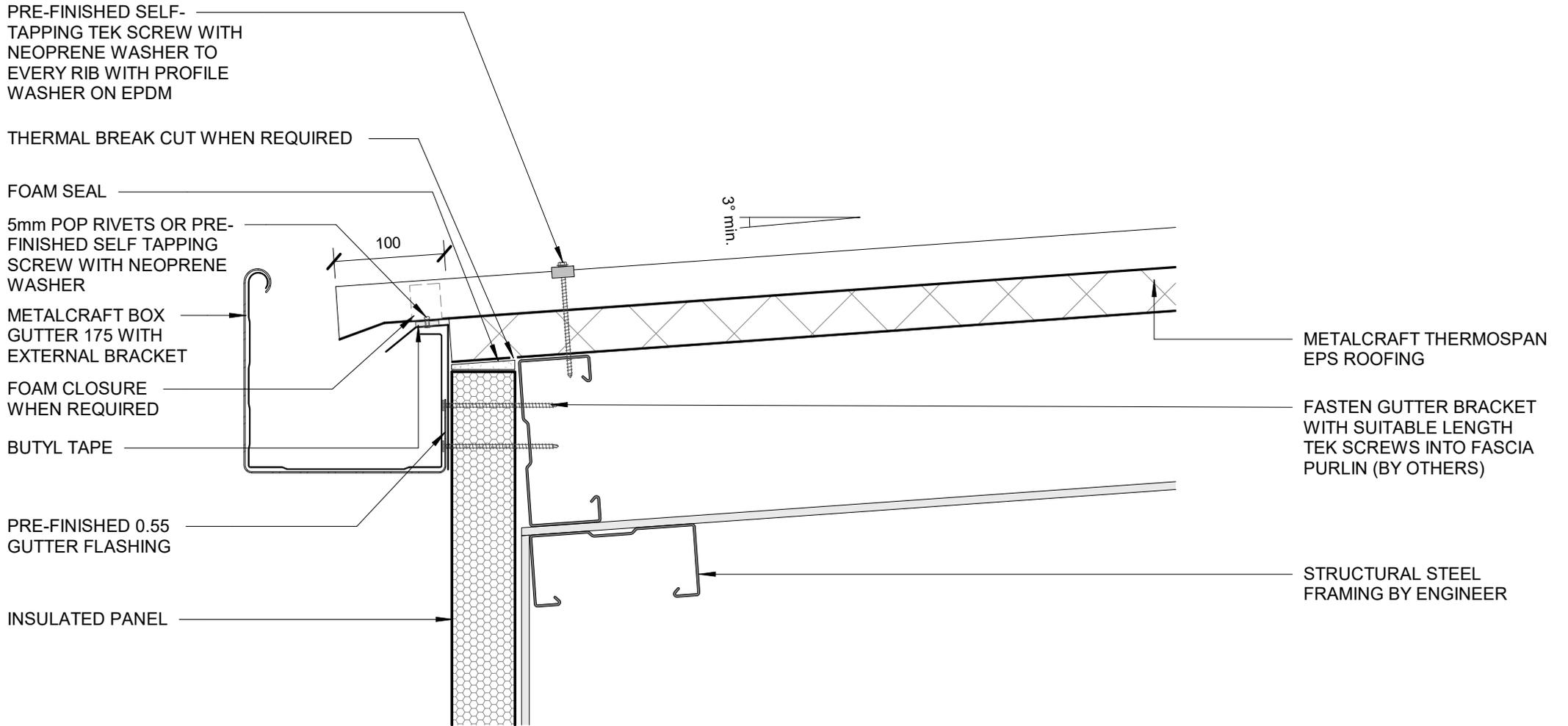
3° min.

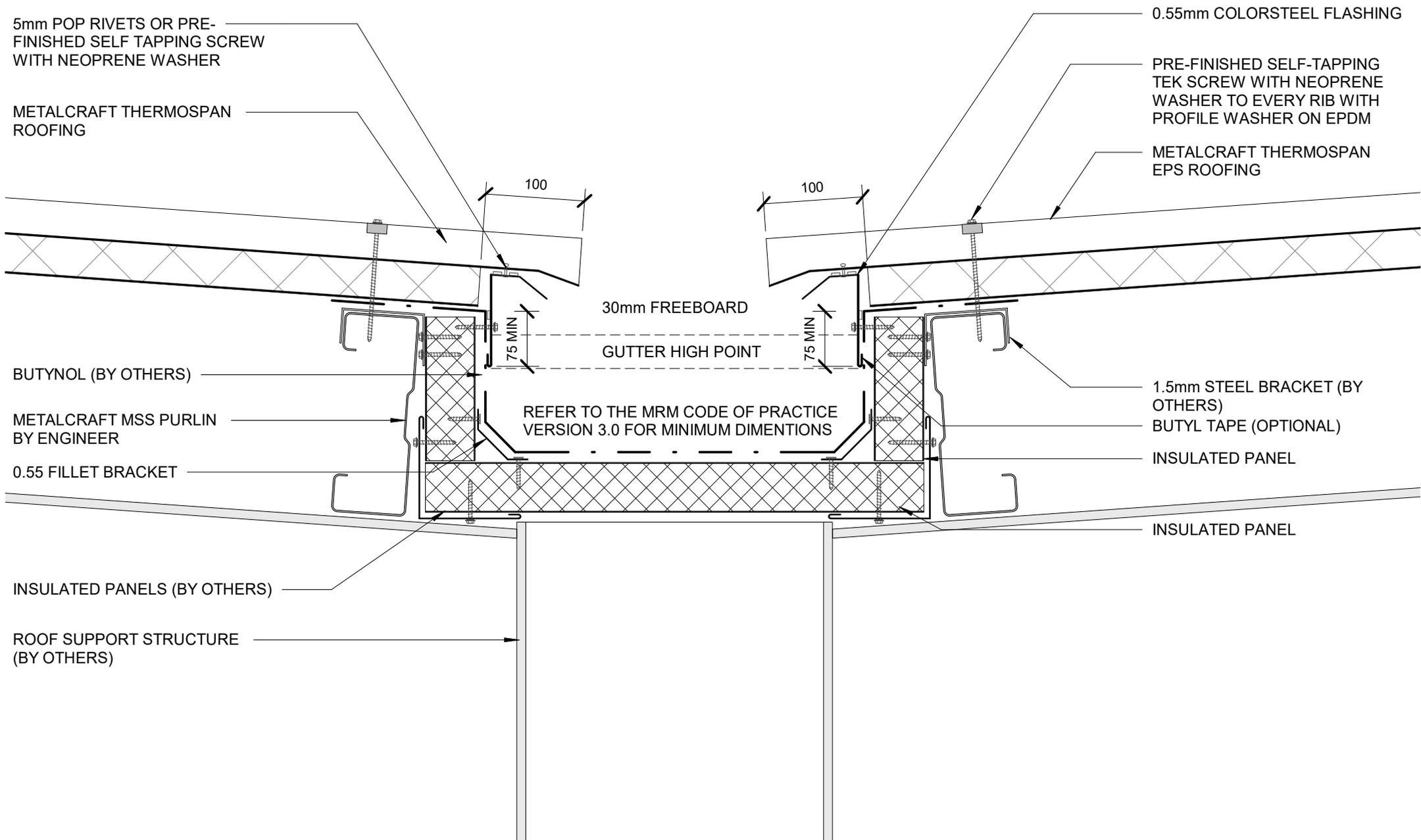
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METALCRAFT THERMOSPAN EPS ROOFING

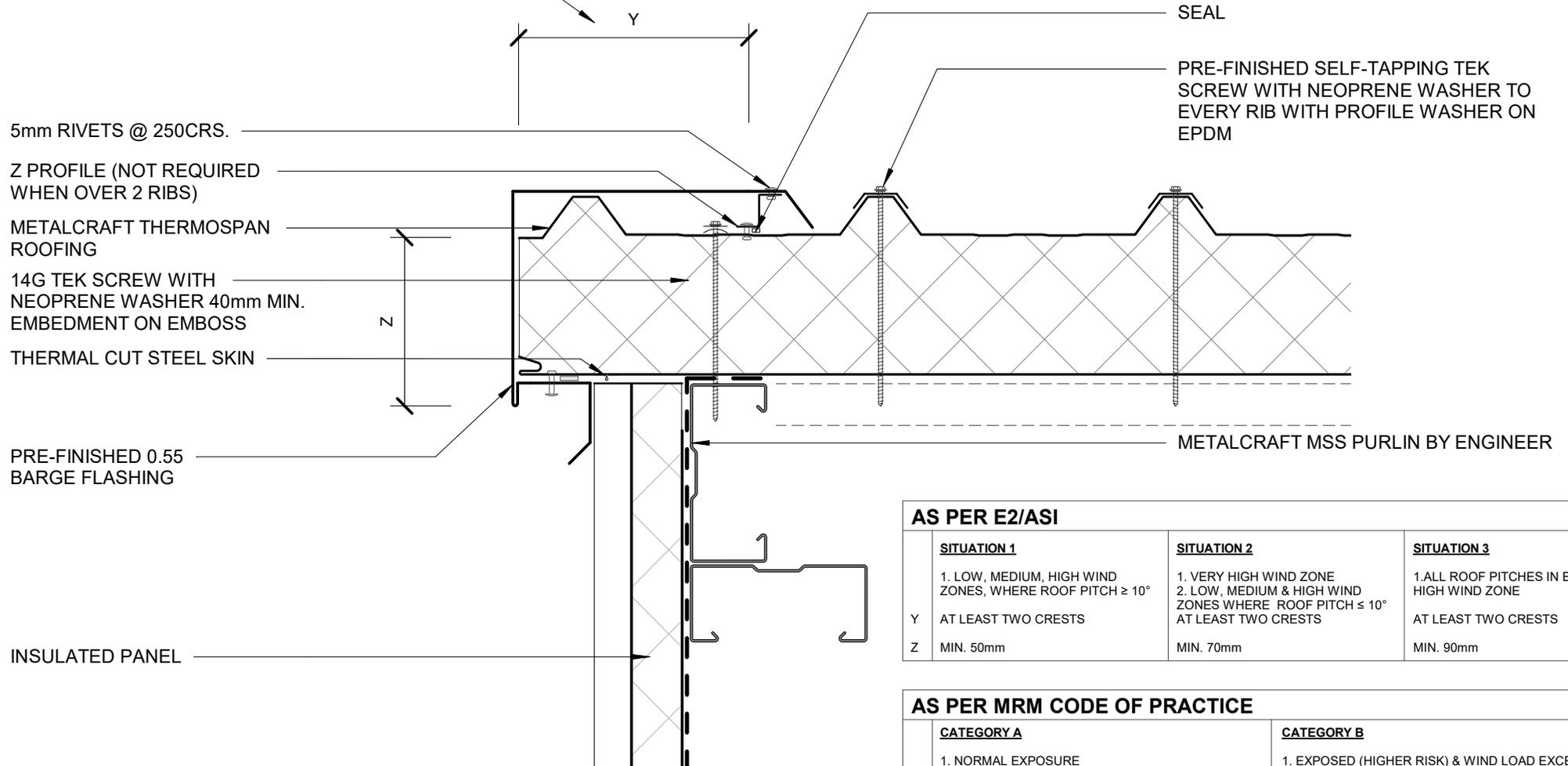
FASTEN GUTTER BRACKET WITH SUITABLE LENGTH TEK SCREWS INTO FASCIA PURLIN (BY OTHERS)

STRUCTURAL STEEL FRAMING BY ENGINEER





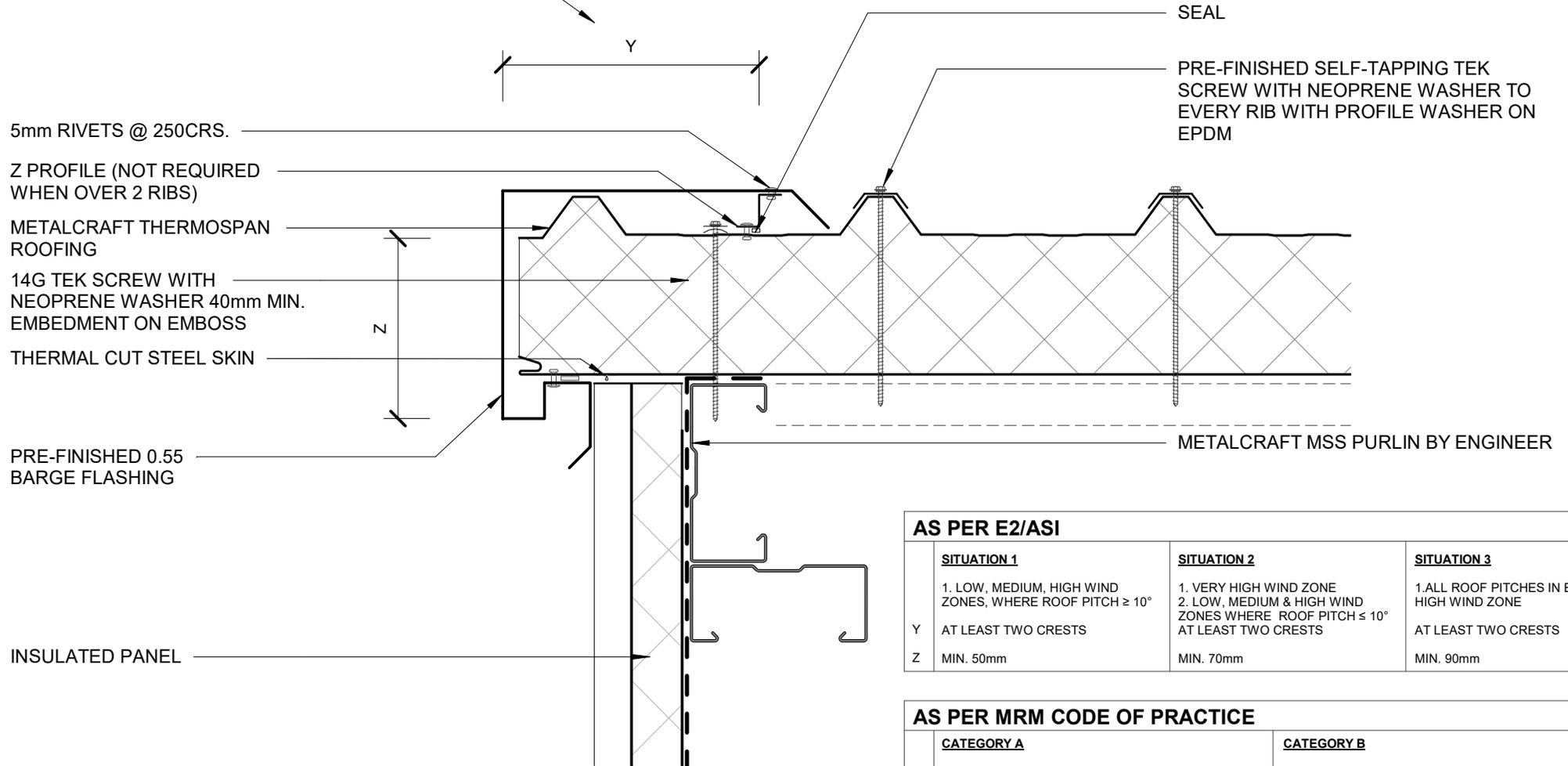
AS PER MRM CODE OF PRACTICE



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

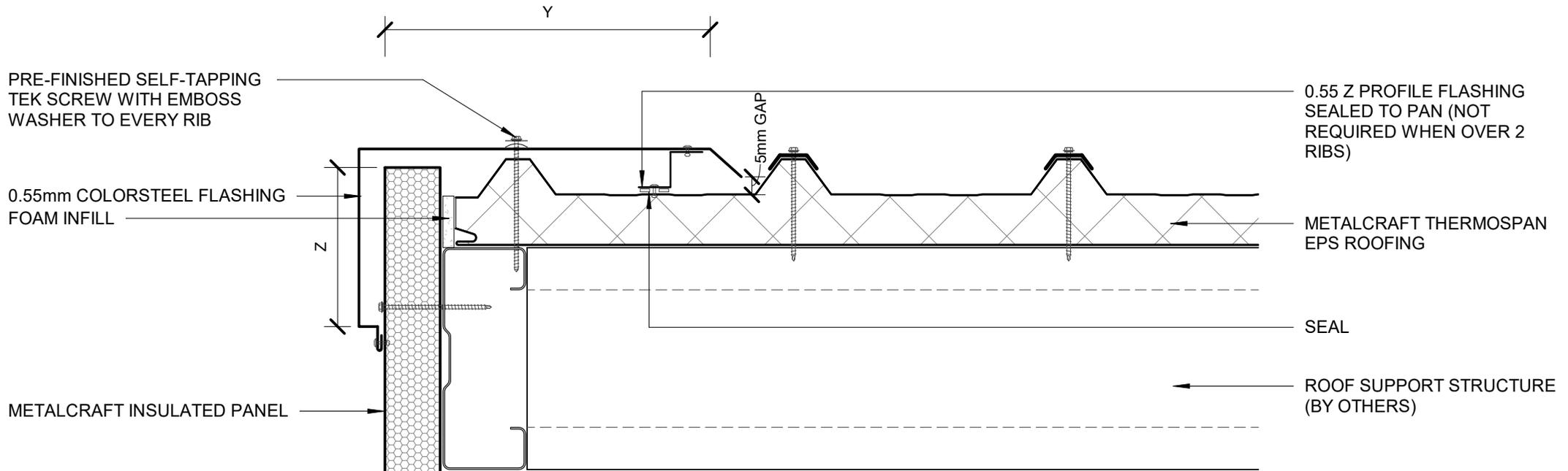
AS PER MRM CODE OF PRACTICE		
	CATEGORY A	CATEGORY B
	1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
Y	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS	ONE RIB, TWO RIBS ($<20\text{mm}$) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS
Z	MIN. 50mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 75mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 100mm (VERTICALLY DOWN FACE - PROFILED)

AS PER MRM CODE OF PRACTICE



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

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)



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

0.55mm COLORSTEEL FLASHING
FOAM INFILL

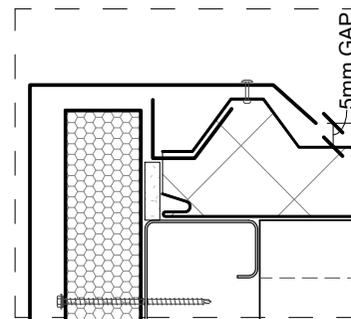
METALCRAFT INSULATED PANEL

0.55 Z PROFILE FLASHING
SEALED TO PAN (NOT
REQUIRED WHEN OVER 2
RIBS)

METALCRAFT THERMOSPAN
EPS ROOFING

SEAL

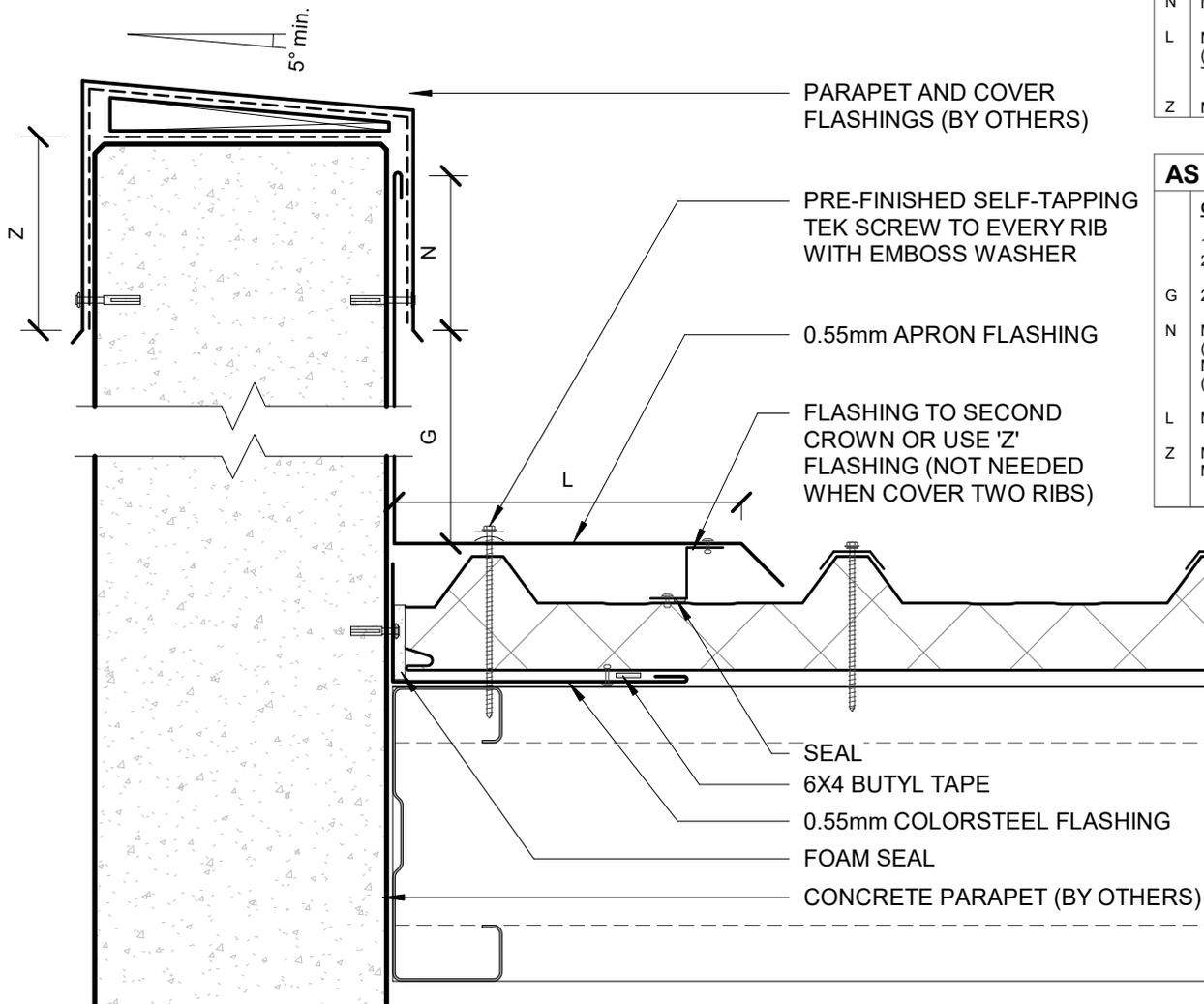
ROOF SUPPORT STRUCTURE
(BY OTHERS)



ALTERNATIVE

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

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)



AS PER E2/ASI

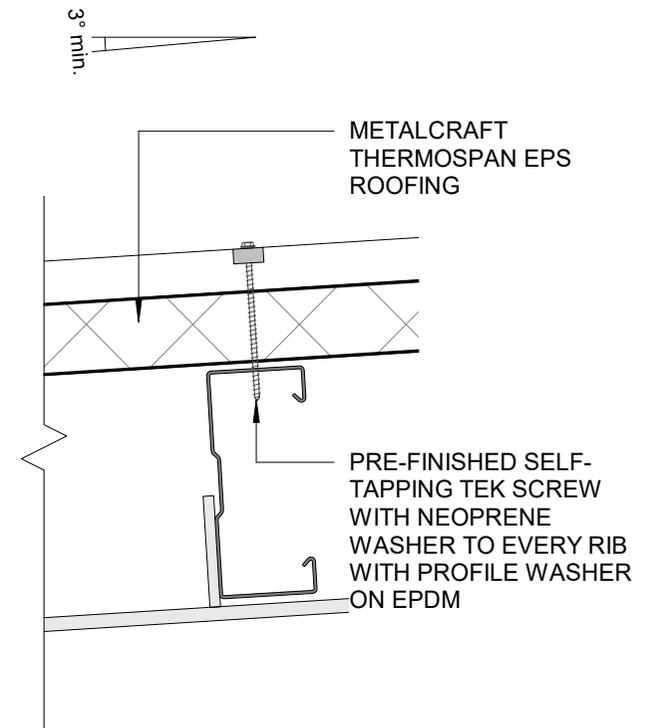
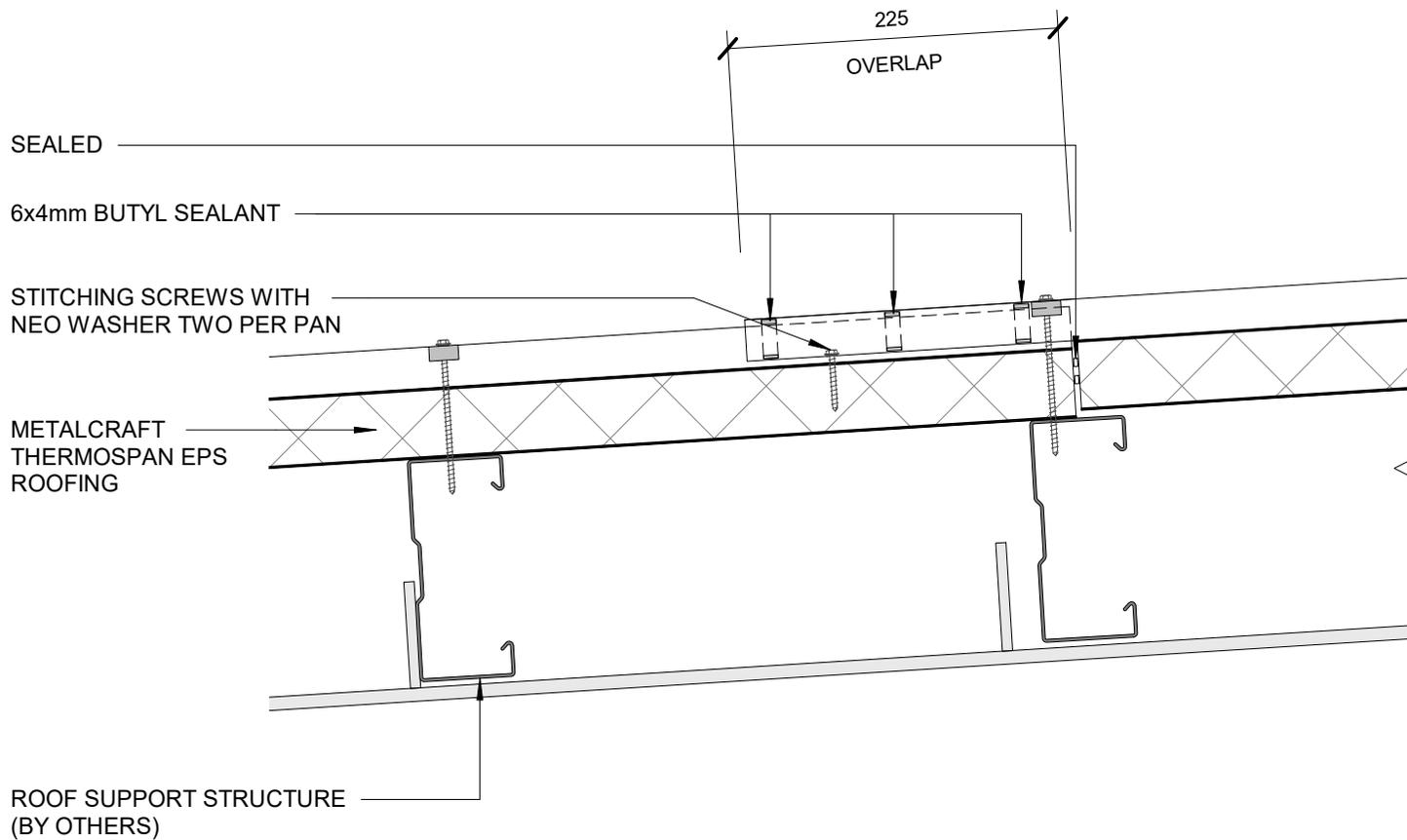
	<u>SITUATION 1</u>	<u>SITUATION 2</u>	<u>SITUATION 3</u>
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, & HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE
G	MIN. 35mm	MIN. 35mm	MIN.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

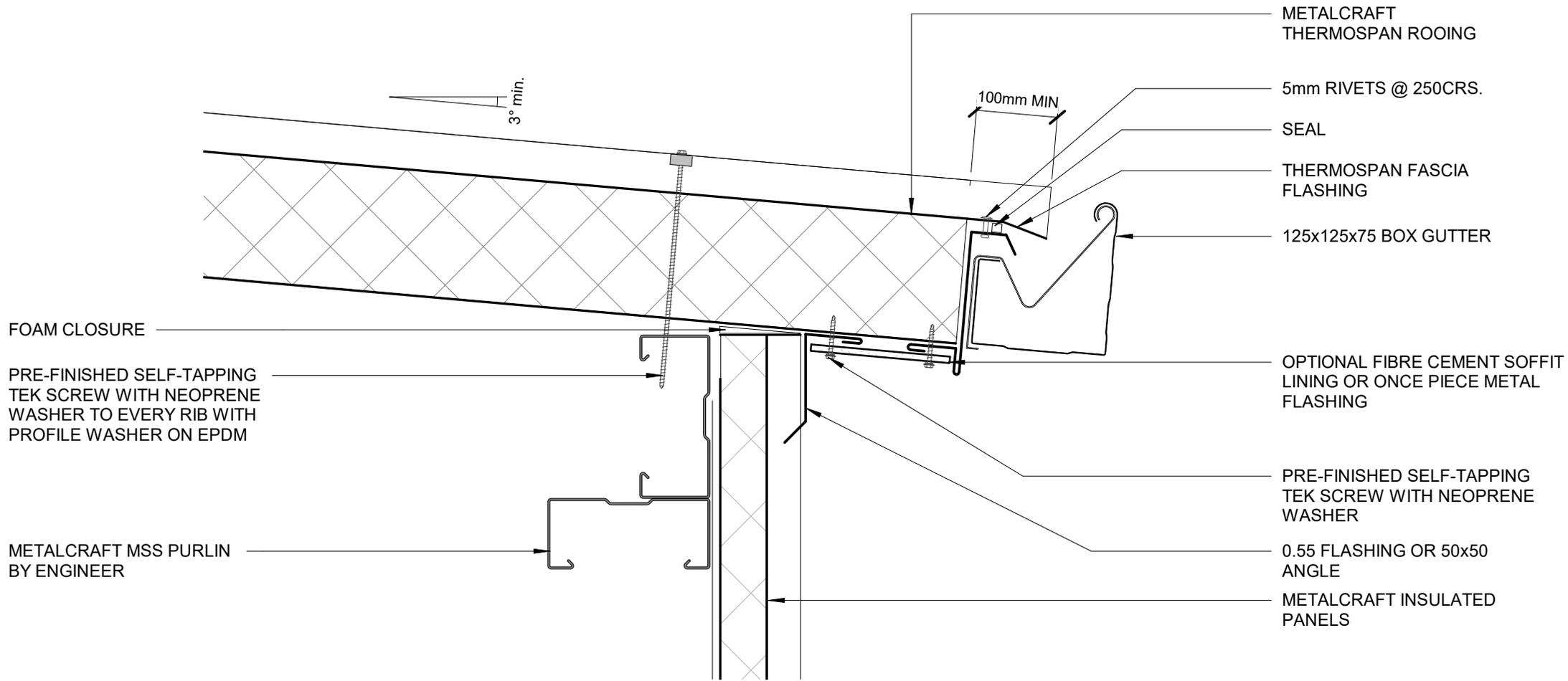
AS PER MRM CODE OF PRACTICE

	<u>CATEGORY A</u>	<u>CATEGORY B</u>
	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)
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)

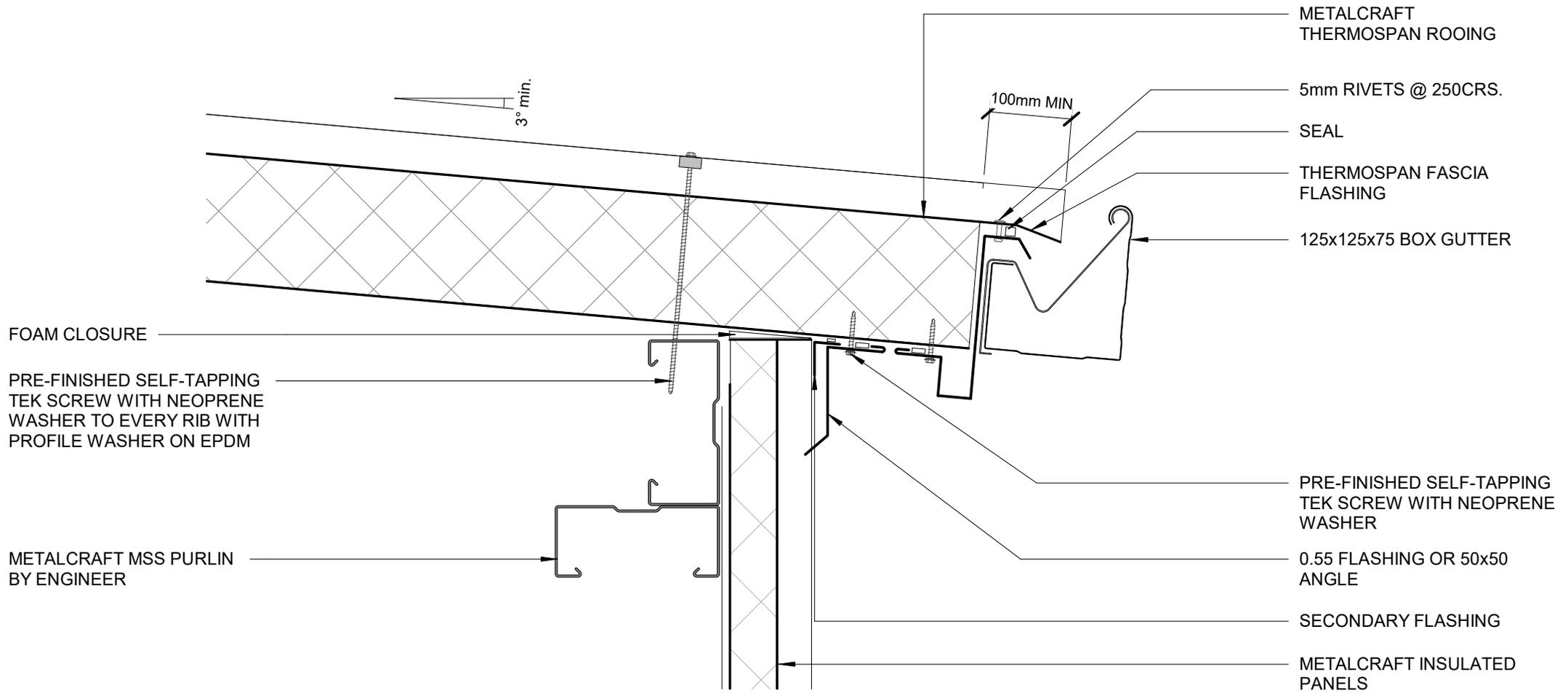
METALCRAFT THERMOSPAN EPS PANEL

ROOF SUPPORT STRUCTURE (BY OTHERS)



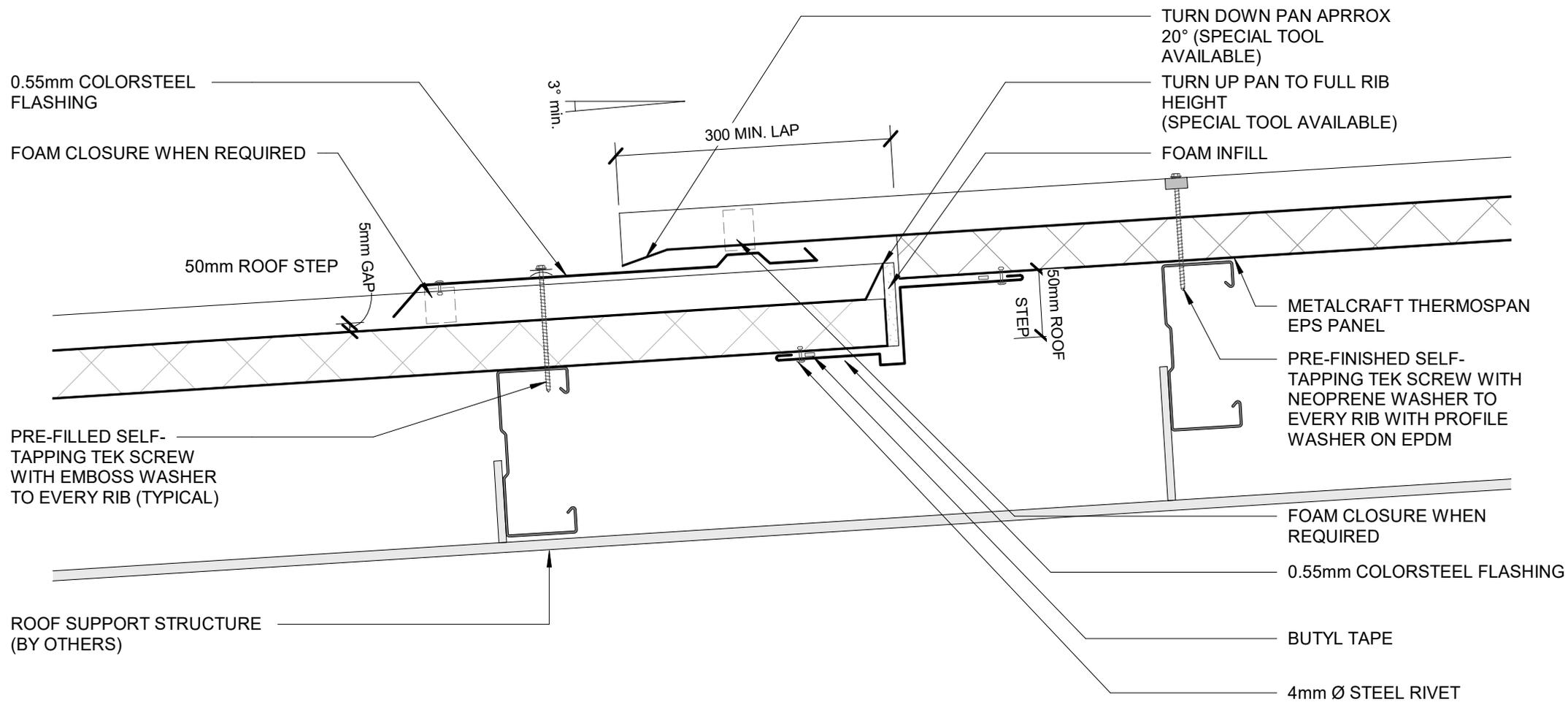


GUTTER DETAIL 01
COMMERCIAL ROOFING



GUTTER DETAIL 02
COMMERCIAL ROOFING

DETAIL RECOMMENDED WHERE
ROOF RUNS EXCEED 16m



EXPANSION STEP DETAIL
COMMERCIAL ROOFING

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

X
AS PER MRM CODE OF PRACTICE

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

SEAL

METALCRAFT THERMOSPAN ROOFING

THERMOSPAN HEAD 0.55 BARGE
FLASHING

THERMAL CUT STEEL SKIN

BUTYL TAPE (OPTIONAL)

14G SELF TAPPING TEK SCREW WITH
NEOPRENE WASHER

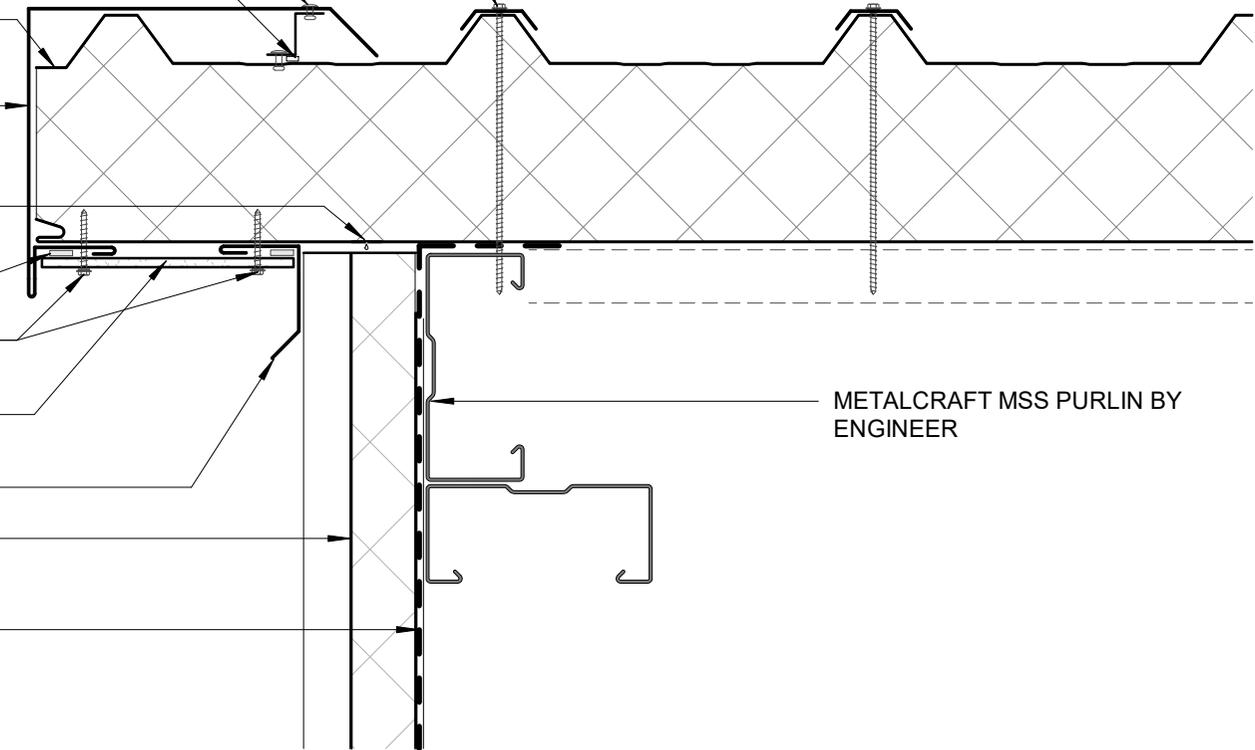
OPTIONAL FIBRE CEMENT SOFFIT LINING
OR ONCE PIECE METAL FLASHING

0.55 FLASHING OR 50x50 ANGLE

WEATHERBOARDS ON CAVITY

PERMEABLE WALL UNDERLAY,
SHOWN DASHED

METALCRAFT MSS PURLIN BY
ENGINEER



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

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

SEAL

METALCRAFT THERMOSPAN ROOFING

THERMOSPAN HEAD 0.55 BARGE
FLASHING

THERMAL CUT STEEL SKIN

BUTYL TAPE (OPTIONAL)

14G SELF TAPPING TEK SCREW WITH
NEOPRENE WASHER

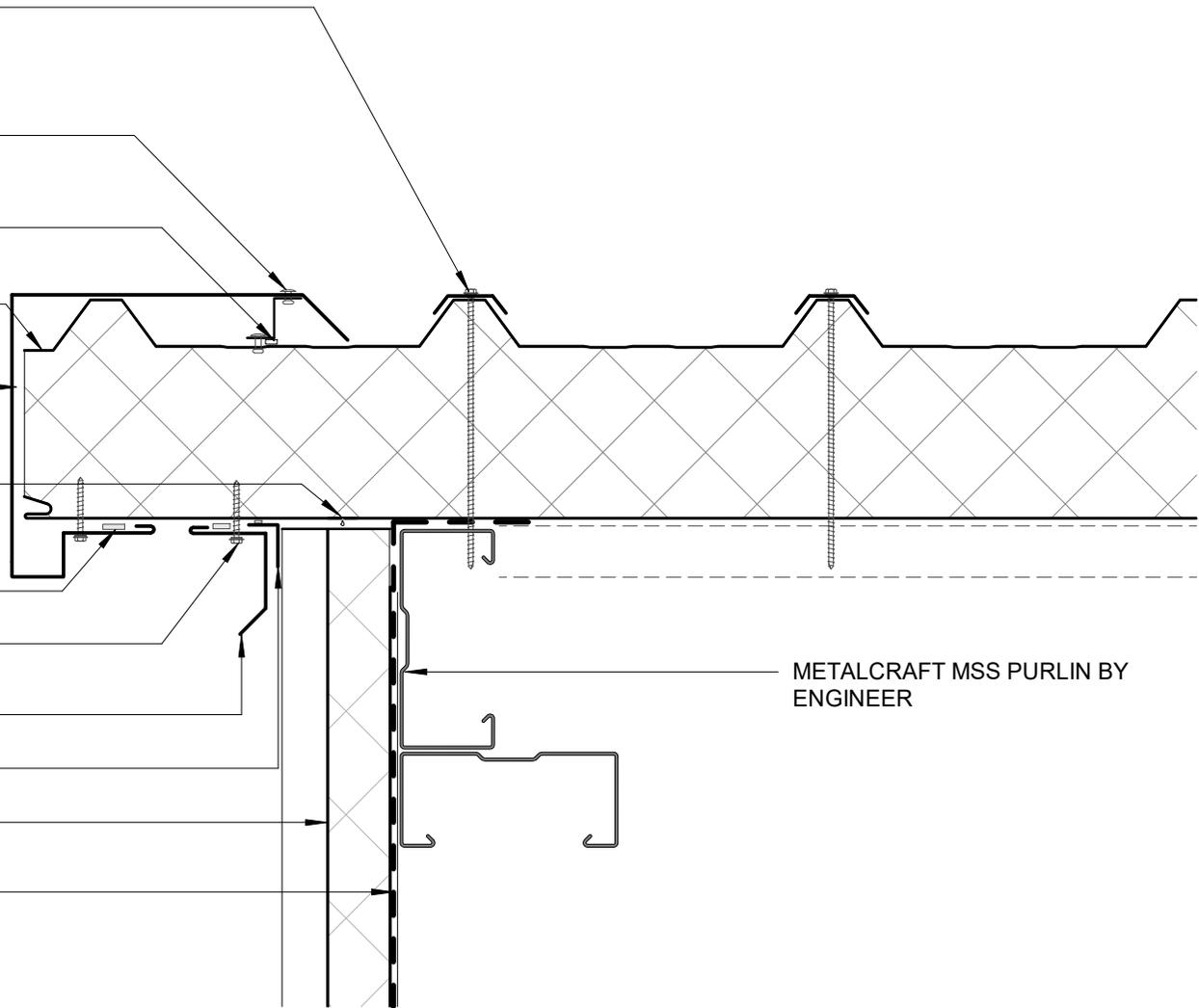
0.55 FLASHING OR 50x50 ANGLE

SECONDARY FLASHING

WEATHERBOARDS ON CAVITY

PERMEABLE WALL UNDERLAY,
SHOWN DASHED

METALCRAFT MSS PURLIN BY
ENGINEER



CANTILEVER BARGE CAPPING DETAIL 02

ThermoSpan EPS

Rev. 1.0

COMMERCIAL ROOFING

Reference CREPS

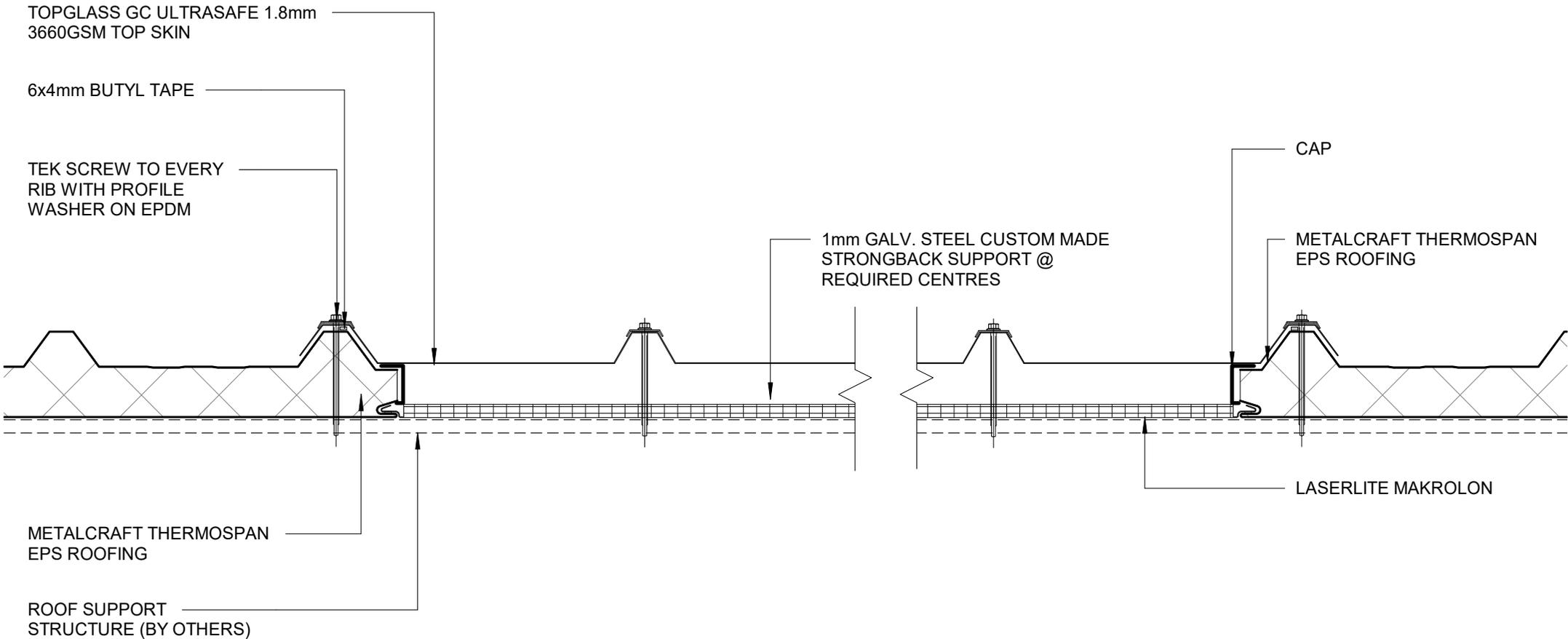
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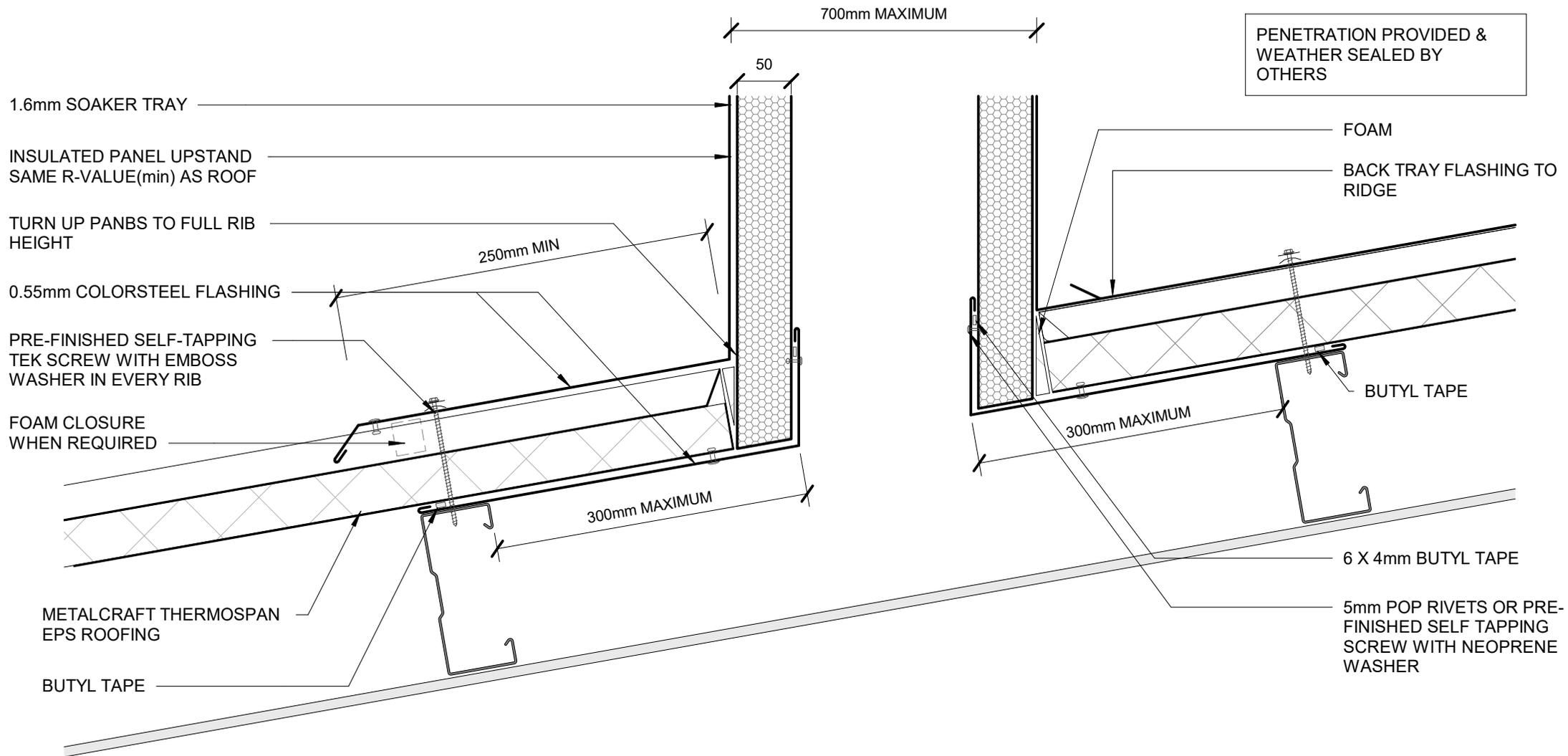
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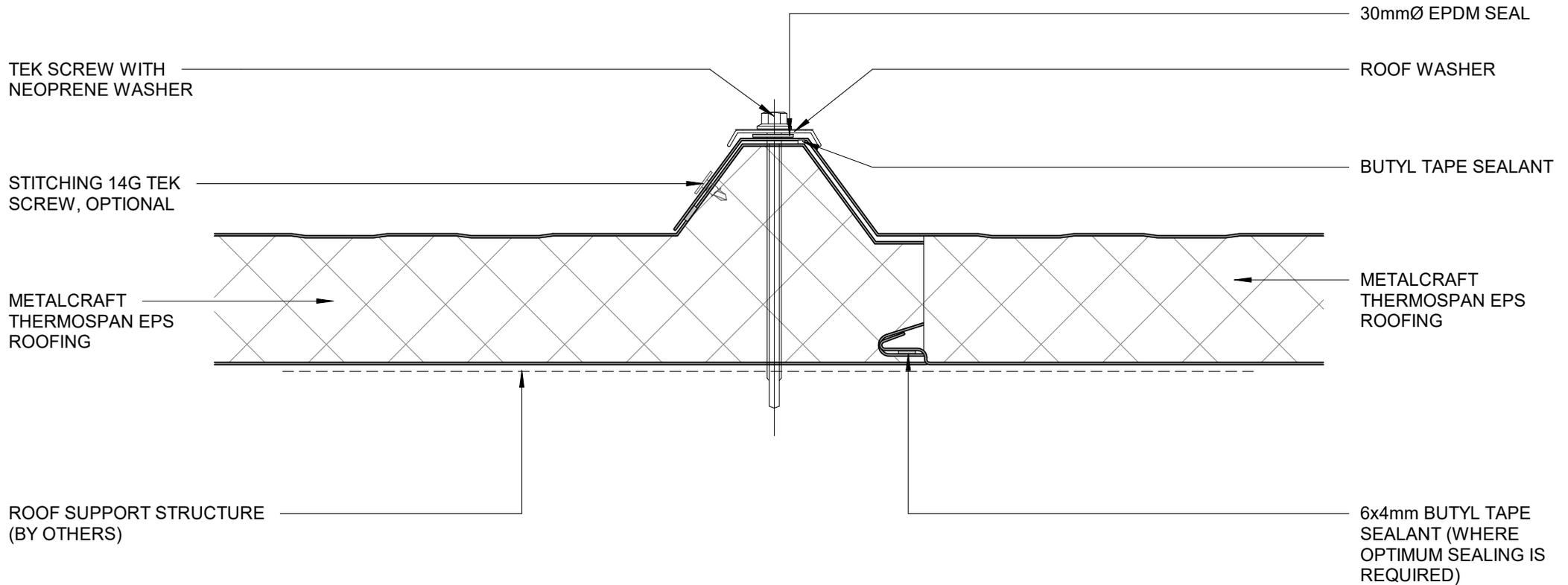
Sheet

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- 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



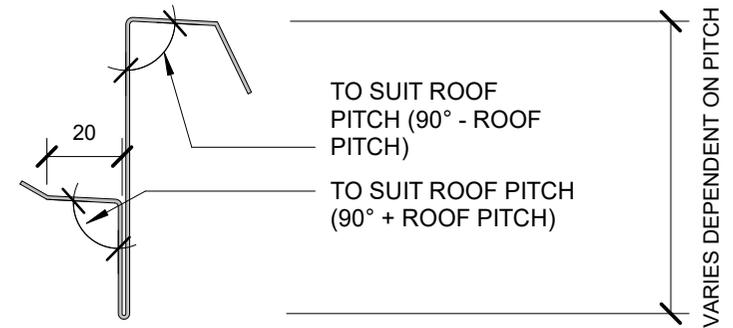
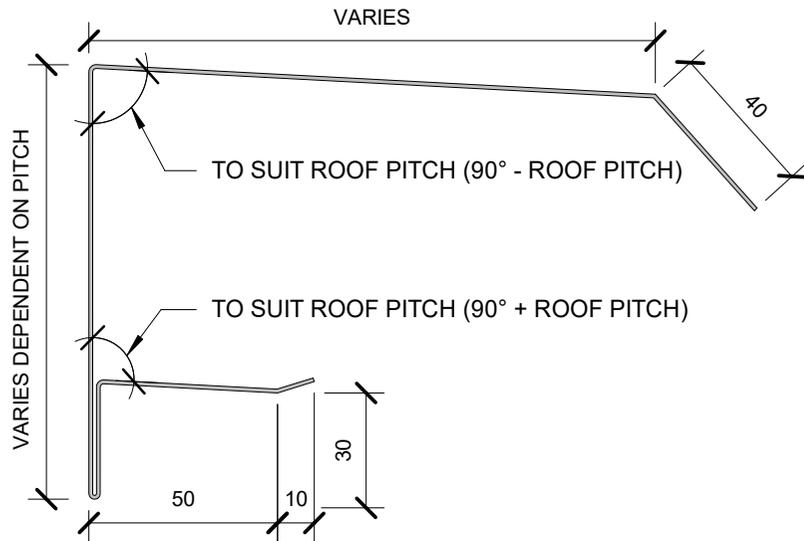




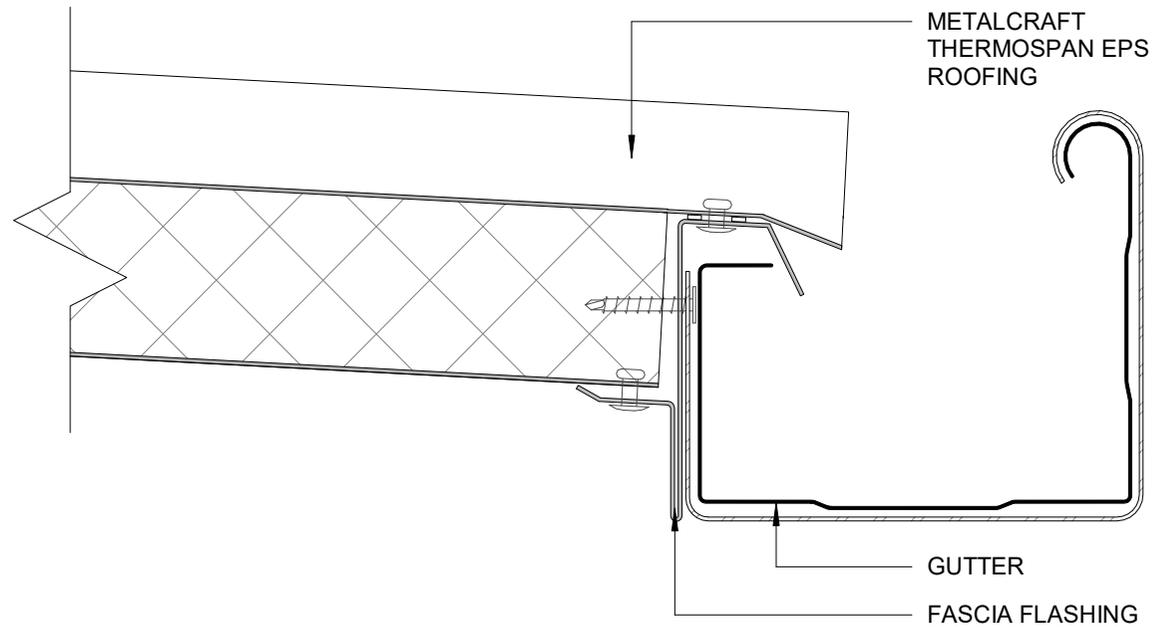
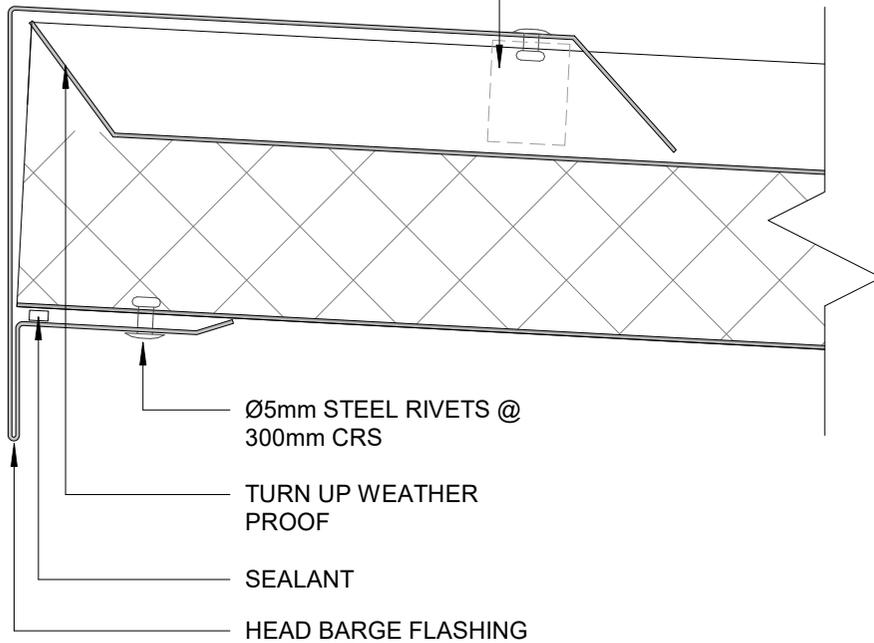
SIDE LAP DETAIL
COMMERCIAL ROOFING

THERMOSPAN EPS HEAD BARGE FLASHING

THERMOSPAN FACIA FLASHING



FOAM CLOSURE
WHEN REQUIRED



FASCIA AND BARGE FLASHING DIMENSIONS

ThermoSpan EPS

Rev. 1.2

COMMERCIAL ROOFING

Reference CREPS

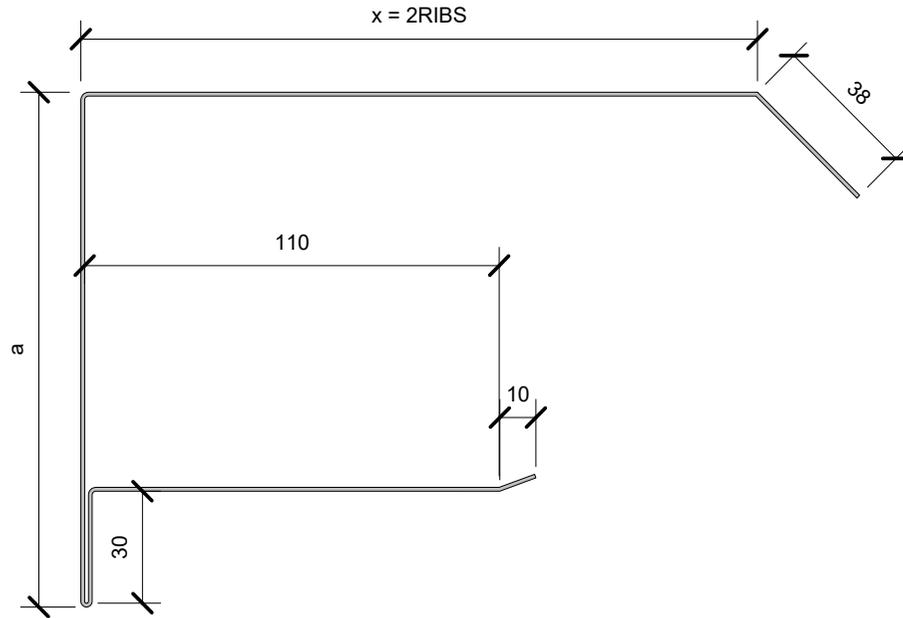
Date 30.01.2023

Scale 1 : 2

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THERMOSPAN SIDE BARGE



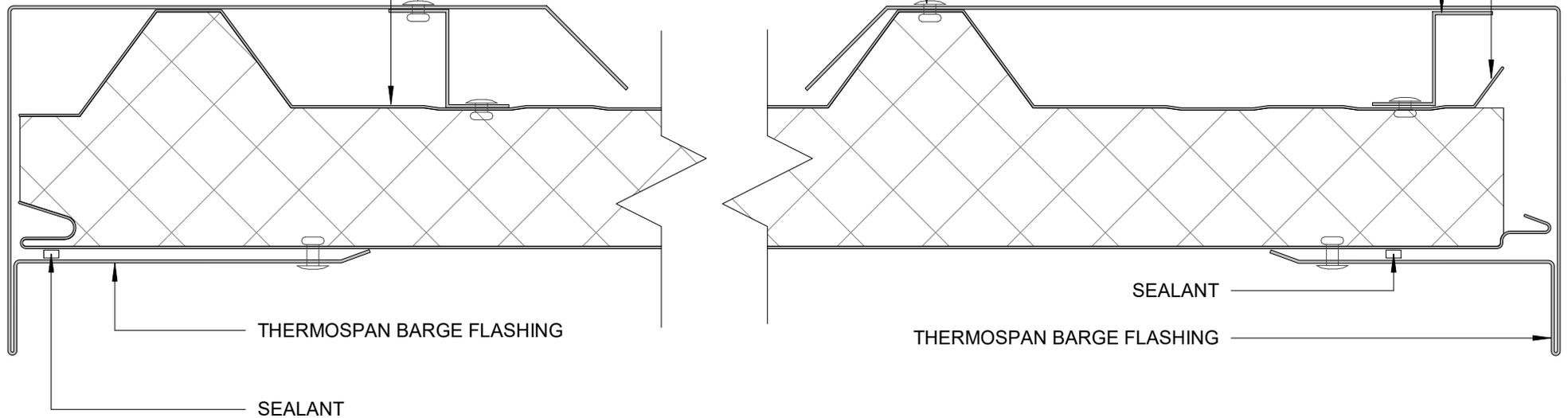
SIDE BARGE	
Thermospans thickness	Flashing Height (a)
50mm	115mm
75mm	140mm
100mm	165mm
125mm	190mm
150mm	215mm
200mm	265mm
250mm	315mm

METALCRAFT THERMOSPAN
EPS ROOFING

Ø5mm RIVETS
@ 300 CRS

TURN UP WEATHER PROOF

SUPPORT



SIDE BARGE FLASHING DIMENSIONS

ThermoSpan EPS

Rev. 1.2

COMMERCIAL ROOFING

Reference CREPS

Date 30.01.2023

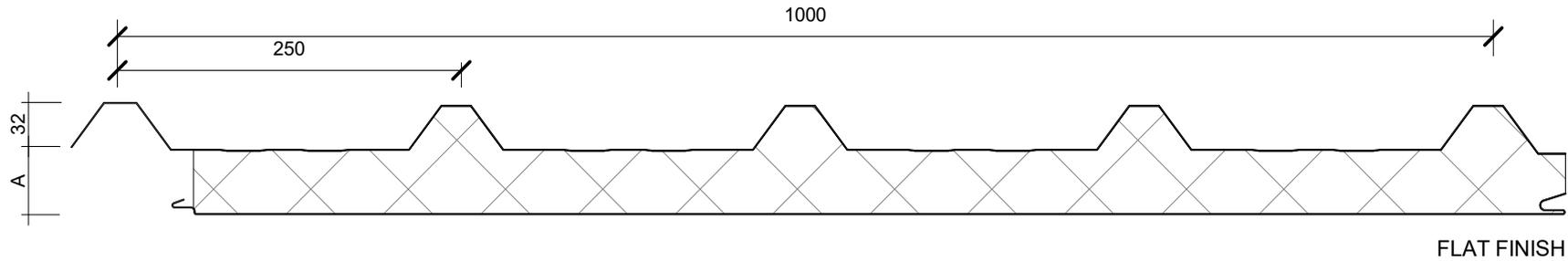
Scale 1 : 2

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THERMOSPAN EPS

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

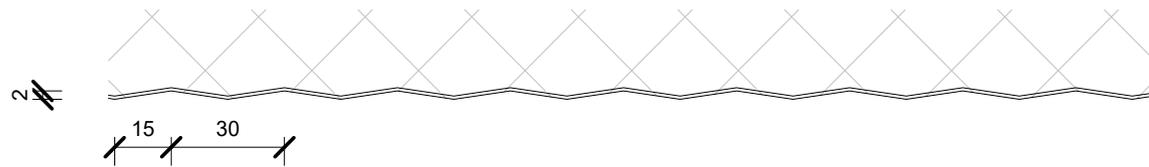


SCALE @ 1:5

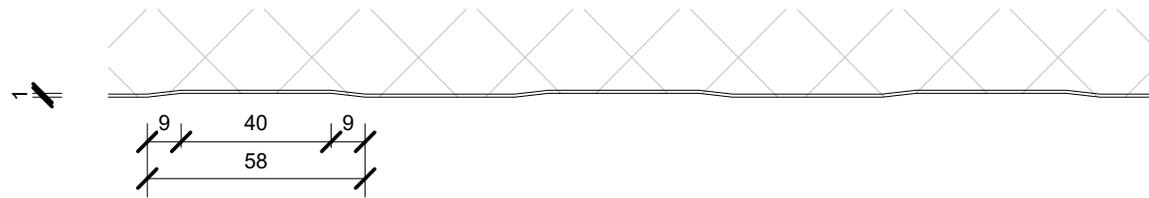
INTERNAL LINER FINISHES

SCALE @ 1:2

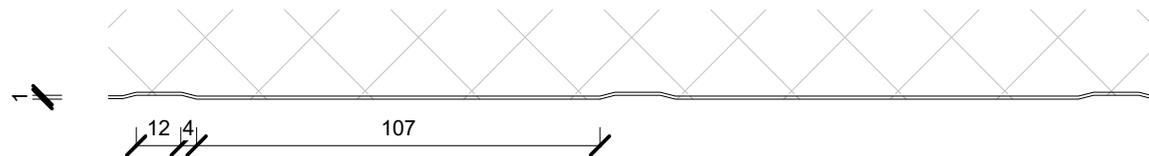
SILKLINE FINISH



MESA FINISH



RIBBED FINISH



PANEL PROFILE AND SIZE
COMMERCIAL ROOFING