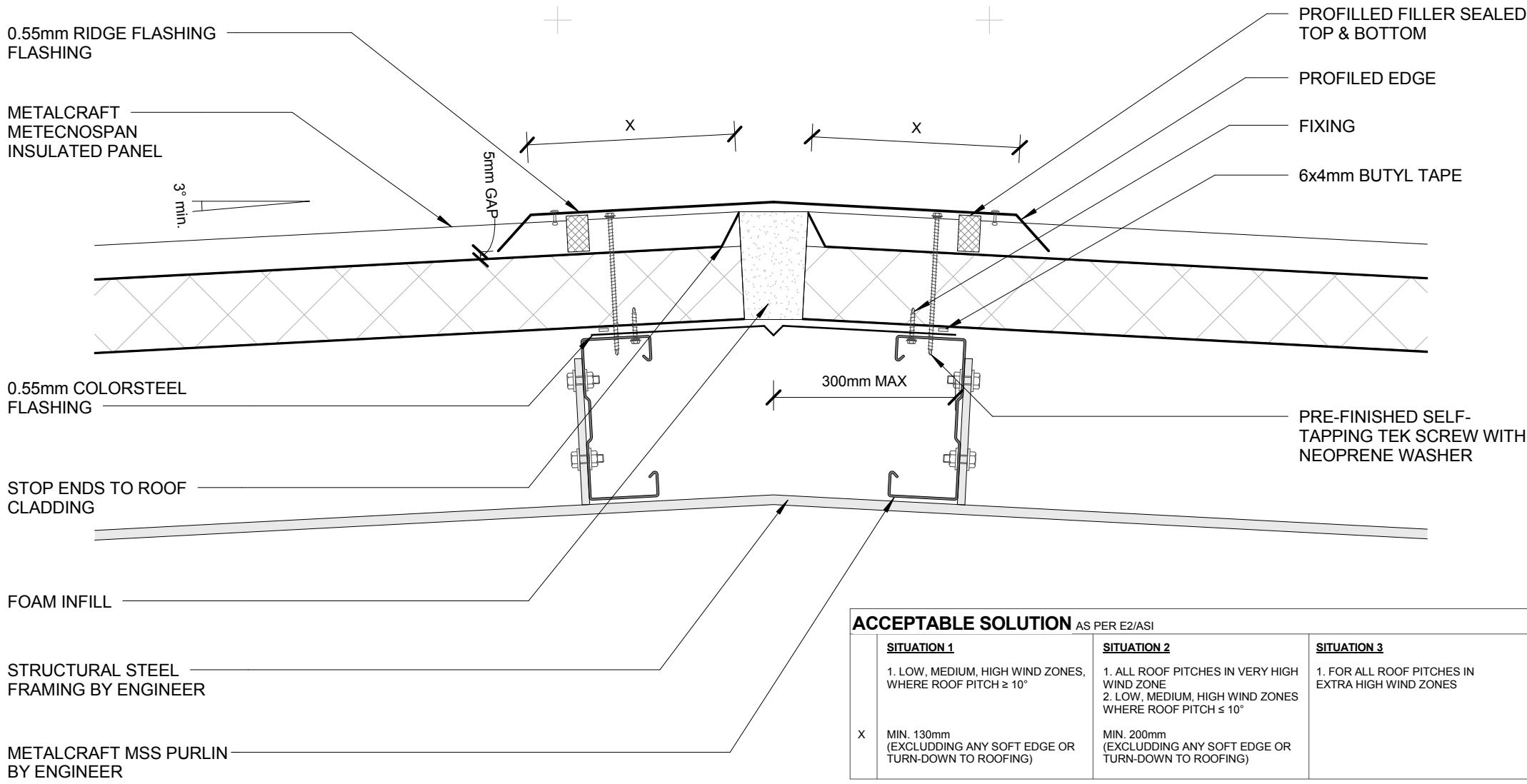


MetecnoSpan (PIR)

COMMERCIAL ROOFING

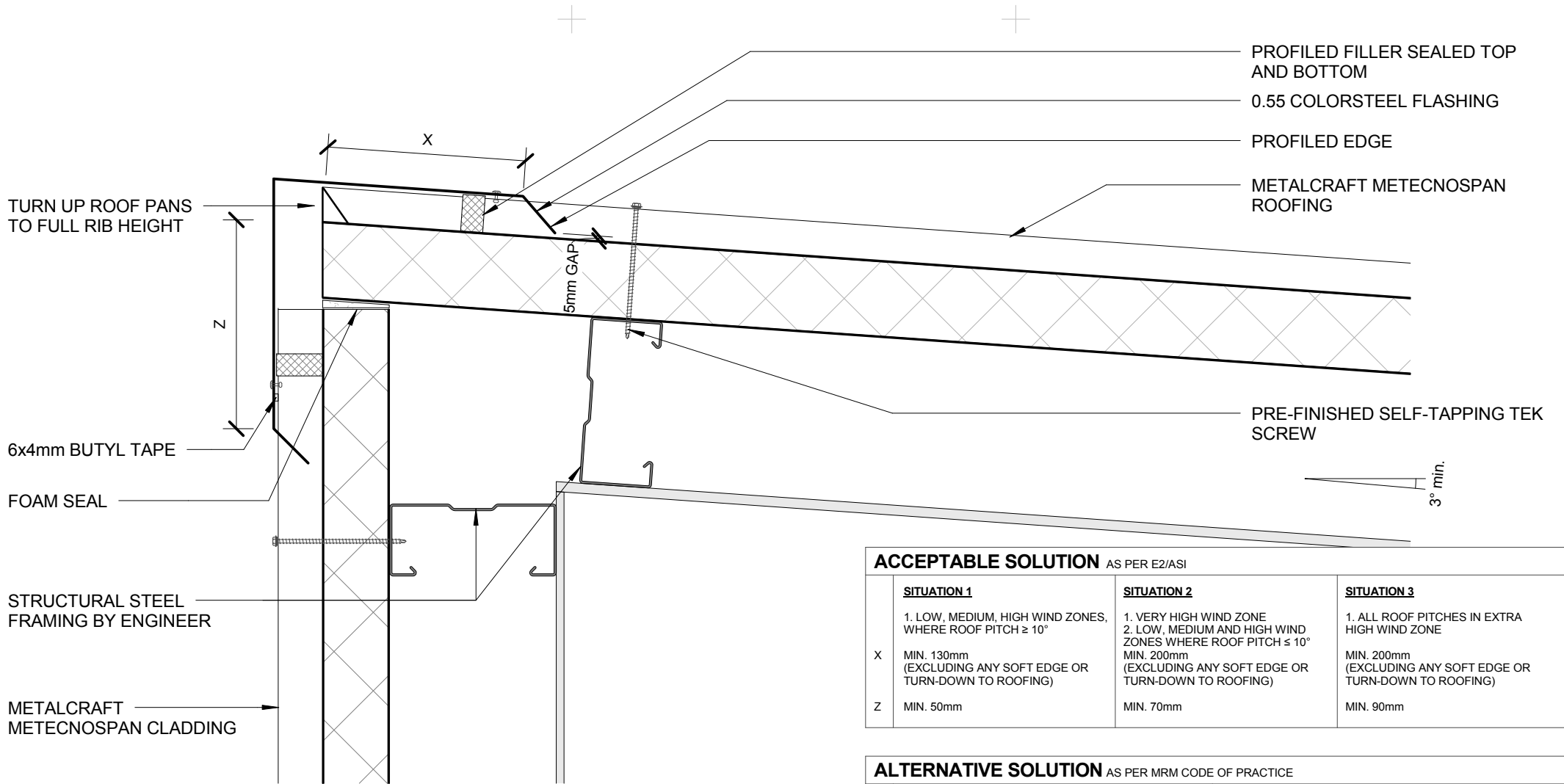
DETAIL LIST

00 / 17	COVER SHEET
01 / 17	RIDGE DETAIL
02 / 17	HEAD FLASHING DETAIL
03 / 17	EAVES GUTTER DETAIL
04 / 17	INSULATED GUTTER
05 / 17	INSULATED VALLEY BOX GUTTER
06 / 17	BARGE CAPPING DETAIL
07 / 17	BARGE/PARAPET DETAIL
08 / 17	END LAP DETAIL
09 / 17	STEP DETAIL
10 / 17	SKYLIGHT PANEL DETAIL (OPTIONAL)
11 / 17	INSULATED PENETRATION DETAIL
12 / 17	STANDARD SIDE LAP DETAIL
13 / 17	SIDE LAP DETAIL (ALTERNATIVE 1)
14 / 17	SIDE LAP DETAIL (ALTERNATIVE)
15 / 17	FASCIA AND HEAD BARGE FLASHING DIMENSIONS
16 / 17	SIDE BARGE FLASHING DIMENSIONS
17 / 17	PANEL PROFILES AND SIZES



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)

METALCRAFT BOX
GUTTER 175 WITH
EXTERNAL BRACKET

PRE-FINISHED 0.55 GUTTER
FLASHING

6x4mm BUTYL TAPE

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

INSULATED PANEL

75 MIN

3° min.

METALCRAFT
METECNOSPAN
ROOFING

FR FOAM SEAL

PRE-FINISHED SELF-
TAPPING TEK SCREW

STRUCTURAL STEEL
FRAMING BY ENGINEER

PARAPET AND COVER FLASHINGS (BY OTHERS)

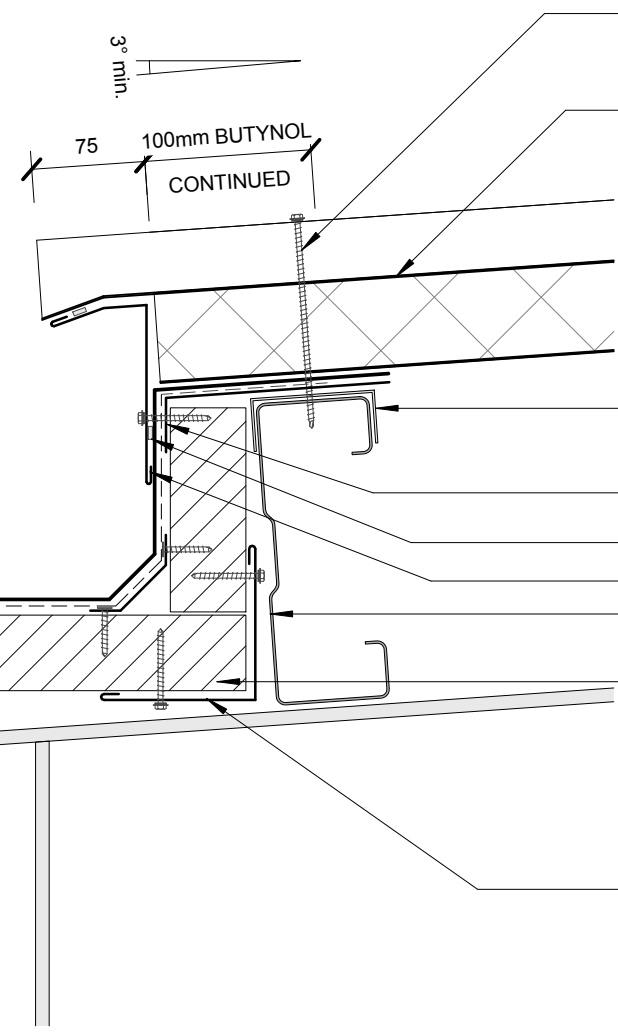
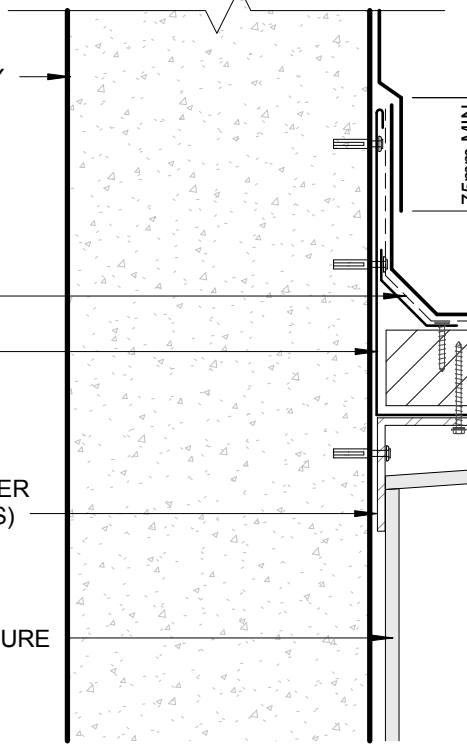
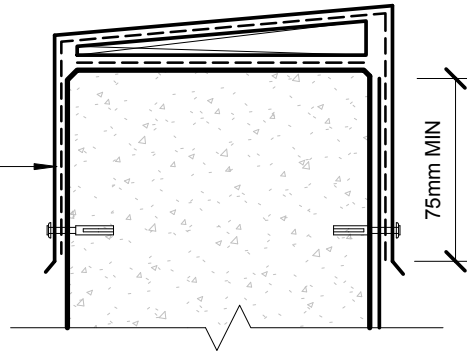
CONCRETE PARAPET (BY OTHERS)

BUTYNOL (BY OTHERS)

0.55mm COLORSTEEL FLASHING

INSULATED PANEL GUTTER (SUPPORTED BY OTHERS)

ROOF SUPPORT STRUCTURE (BY OTHERS)



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

METALCRAFT METECNOSPAN ROOFING

1.5mm STEEL BRACKET (BY OTHERS)

0.55mm COLORSTEEL FLASHING

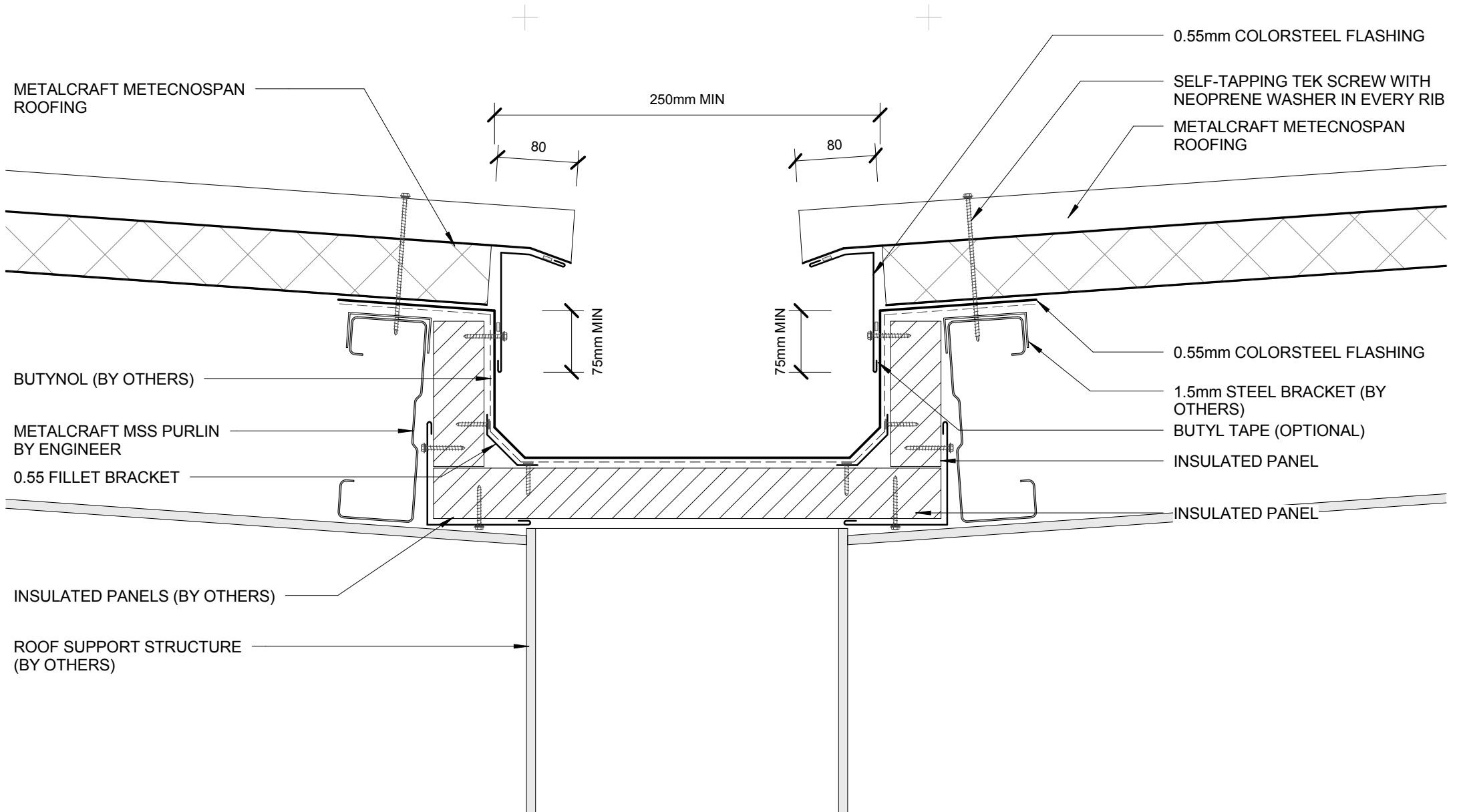
BUTYL TAPE (OPTIONAL)

0.55mm COLORSTEEL FLASHING

METALCRAFT MSS PURLIN BY ENGINEER

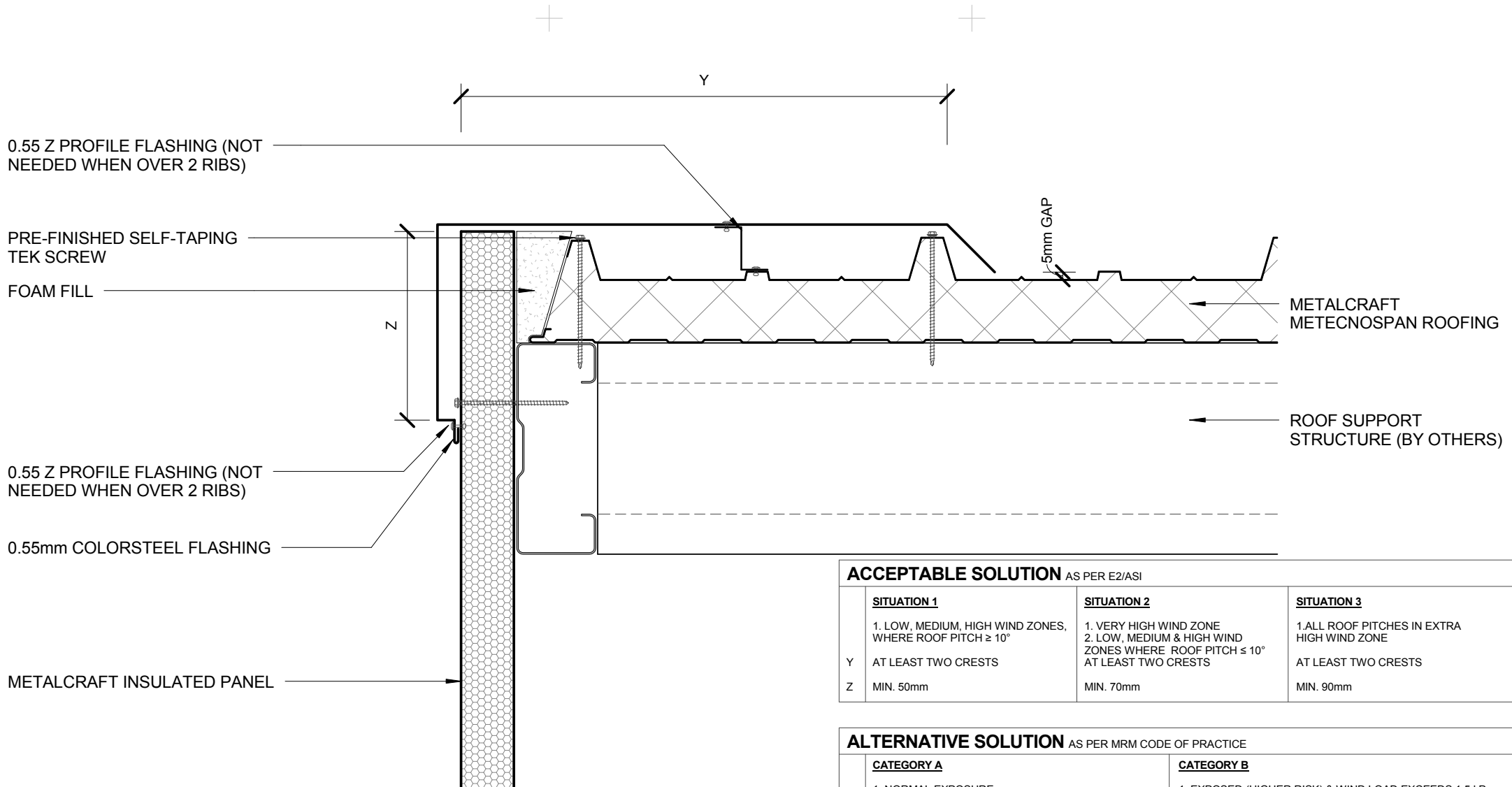
INSULATED PANEL

0.55mm COLORSTEEL FLASHING



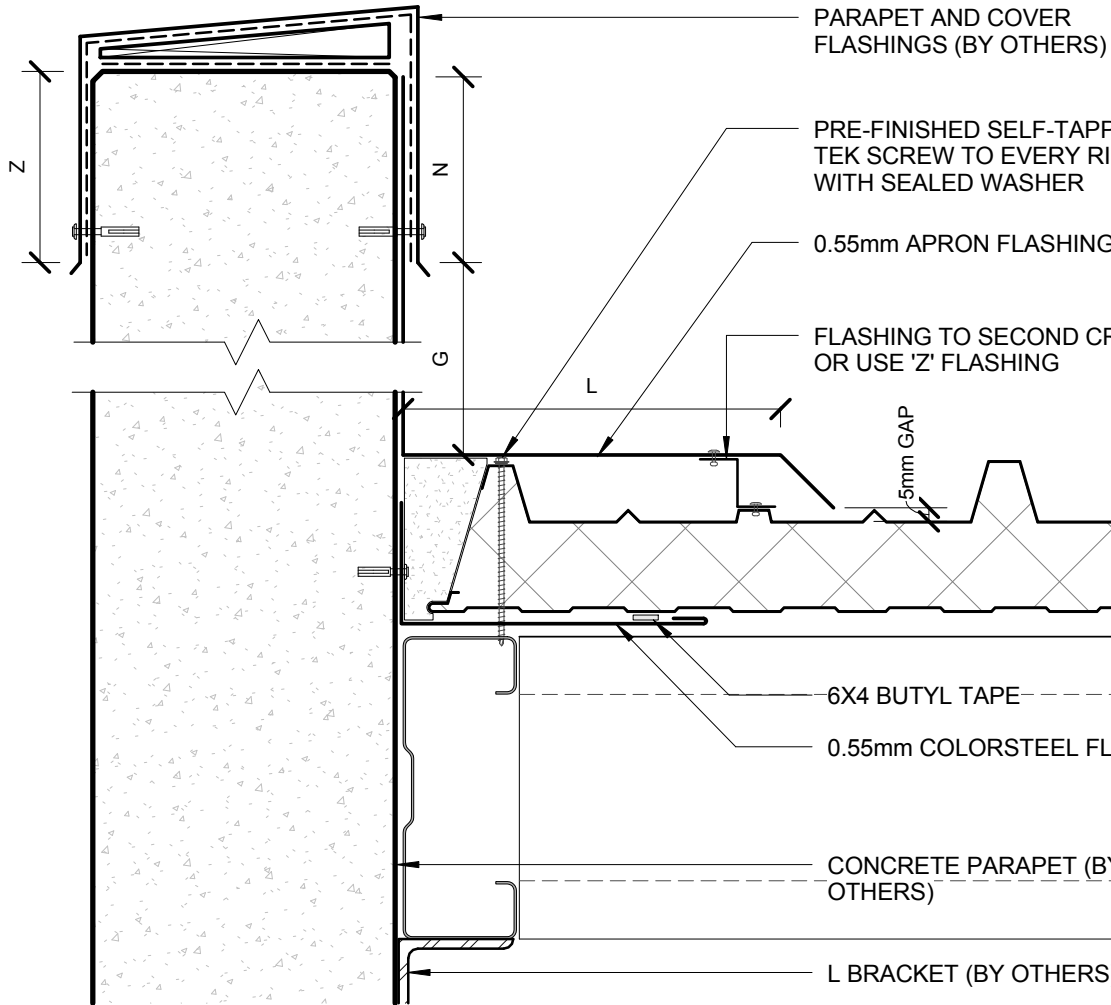
INSULATED VALLEY BOX GUTTER

COMMERCIAL 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. 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	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

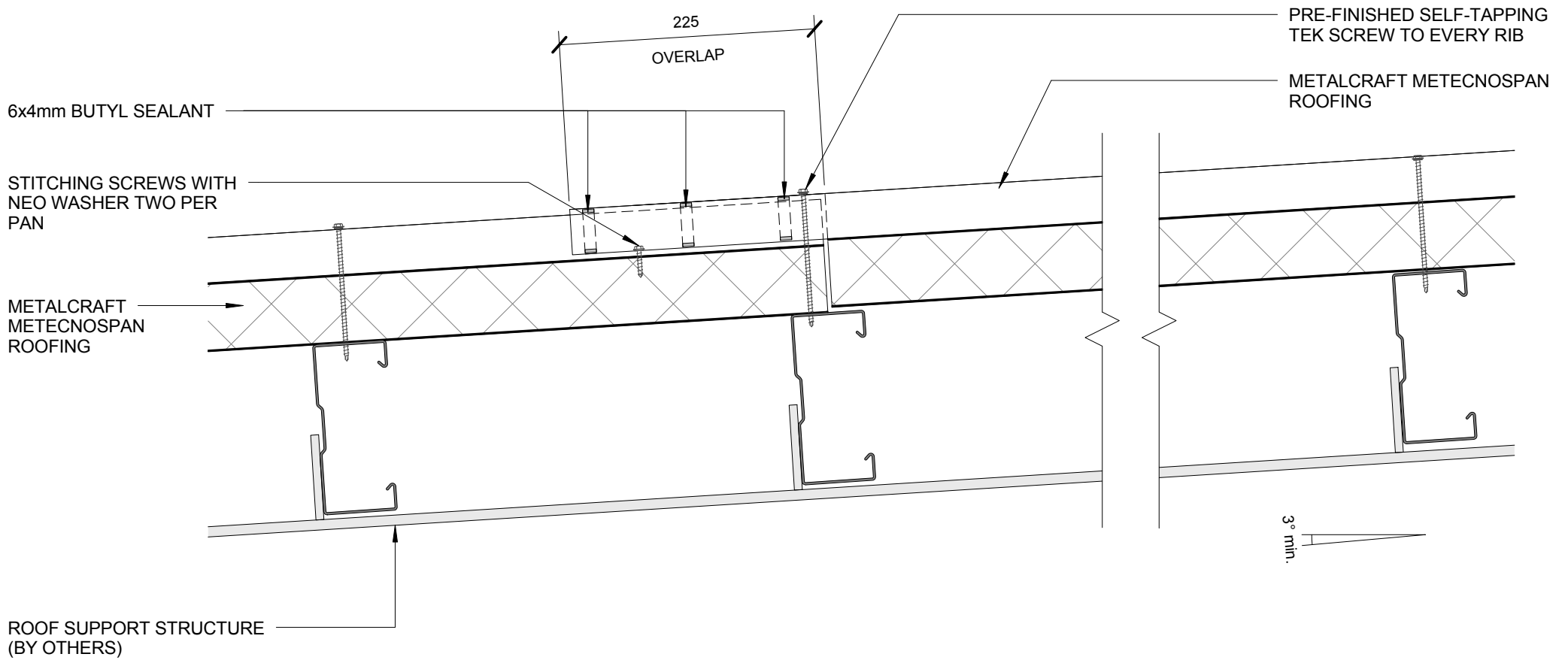
ALTERNATIVE SOLUTION AS PER MRM CODE OF PRACTICE

	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)

METALCRAFT METECNOSPAN PANEL

ROOF SUPPORT STRUCTURE (BY OTHERS)

BARGE/PARAPET DETAIL
COMMERCIAL ROOFING



TURN DOWN PAN APPROX
20° (SPECIAL TOOL
AVAILABLE)

0.55mm COLORSTEEL
FLASHING

PROFILED FILLER SEALED
TOP AND BOTTOM

3° min.

5mm GAP

250

METALCRAFT METECNOSPAN
ROOFING

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

FOAM INFILL

ROOF STEP
50mm

METALCRAFT
METECNOSPAN ROOFING

PRE-FINISHED SELF-
TAPPING TEK SCREWS TO
EVERY RIB (TYPICAL)

ROOF SUPPORT STRUCTURE
(BY OTHERS)

0.55mm COLORSTEEL FLASHING

6x4mm BUTYL TAPE SEALANT

4mm Ø STEEL RIVET

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

TOPGLASS GC ULTRASAFE 1.8mm
3660GSM TOP SKIN

TEK SCREW TO EVERY RIB WITH
SEALED WASHER

12mmØ EPDM SEAL

METALCRAFT
METECNOSPAN ROOFING

ROOF SUPPORT
STRUCTURE (BY OTHERS)

LASERLITE MAKROLON TWO LAYERS,
6mm LAMINATED TOGETHER

TEK SCREW TO EVERY RIB WITH
SEALED WASHER

12mmØ EPDM SEAL

METALCRAFT
METECNOSPAN ROOFING

STITCHING SCREWS @ 300
CRS

SKYLIGHT PANEL DETAIL (OPTIONAL)

MetecnoSpan Commercial

COMMERCIAL ROOFING

Metalcraft
Insulated Panel Systems

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

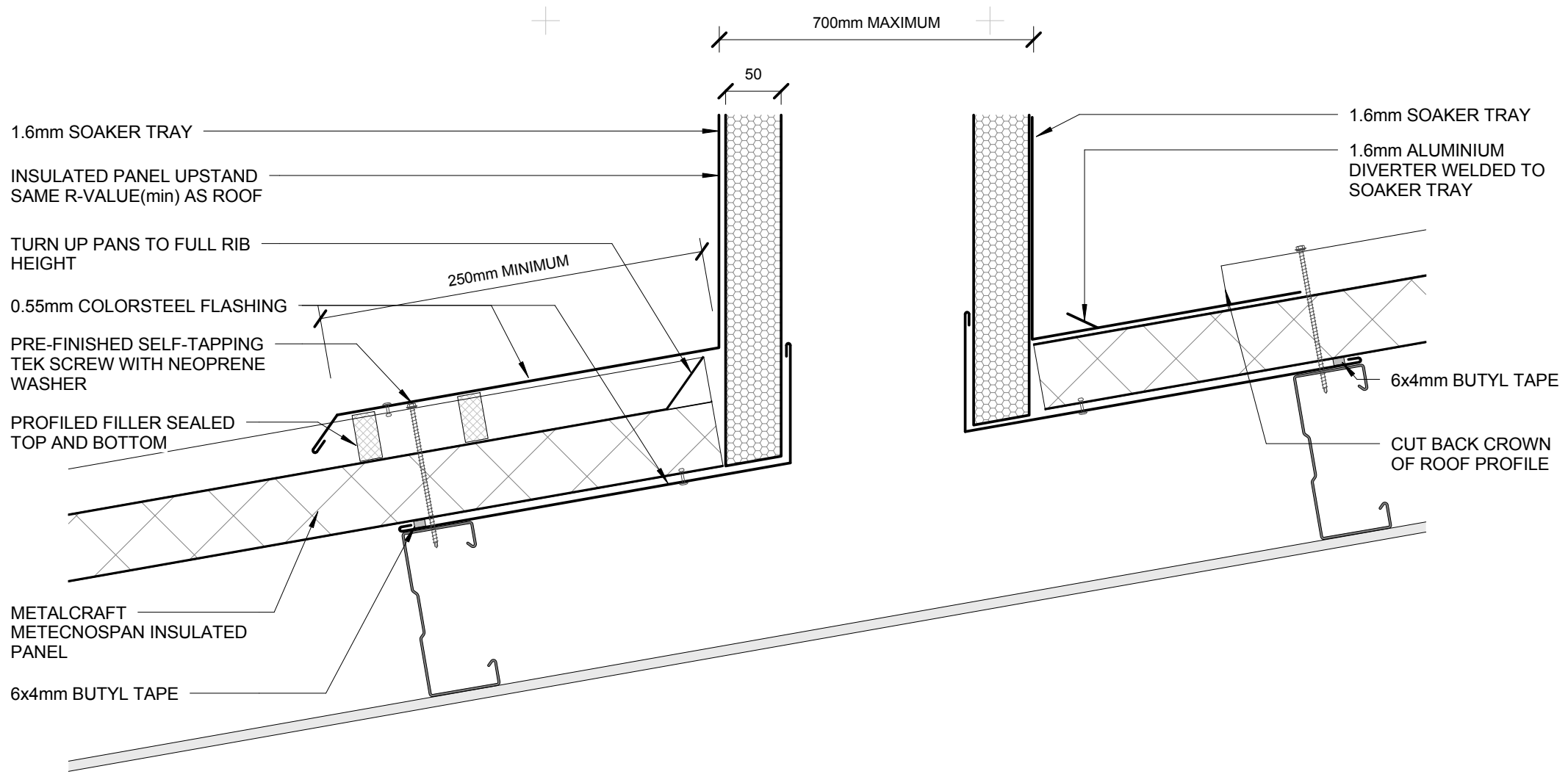
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Date 30.08.2016

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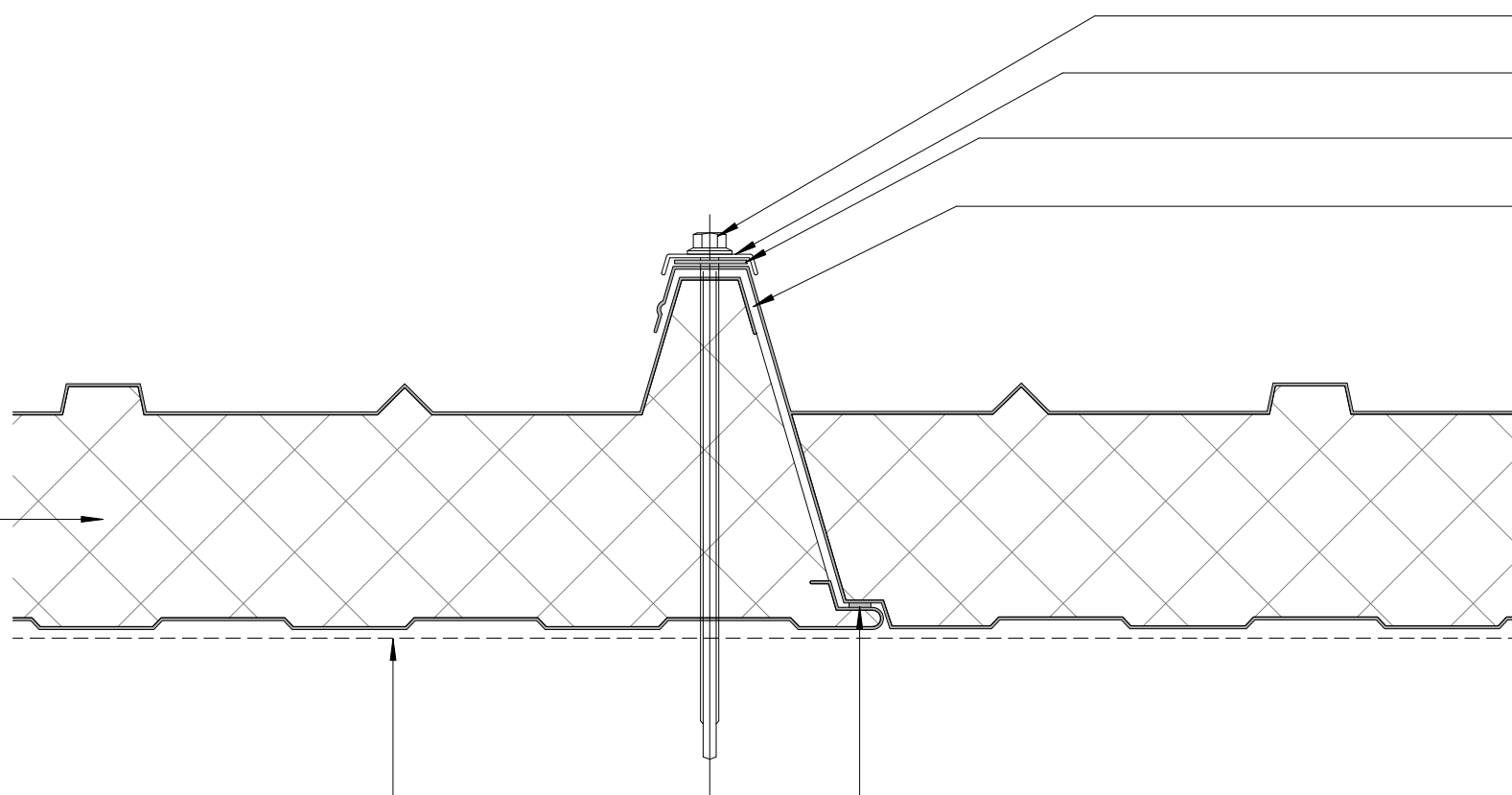
10 / 17



PENETRATION PROVIDED &
WEATHER SEALED BY OTHERS

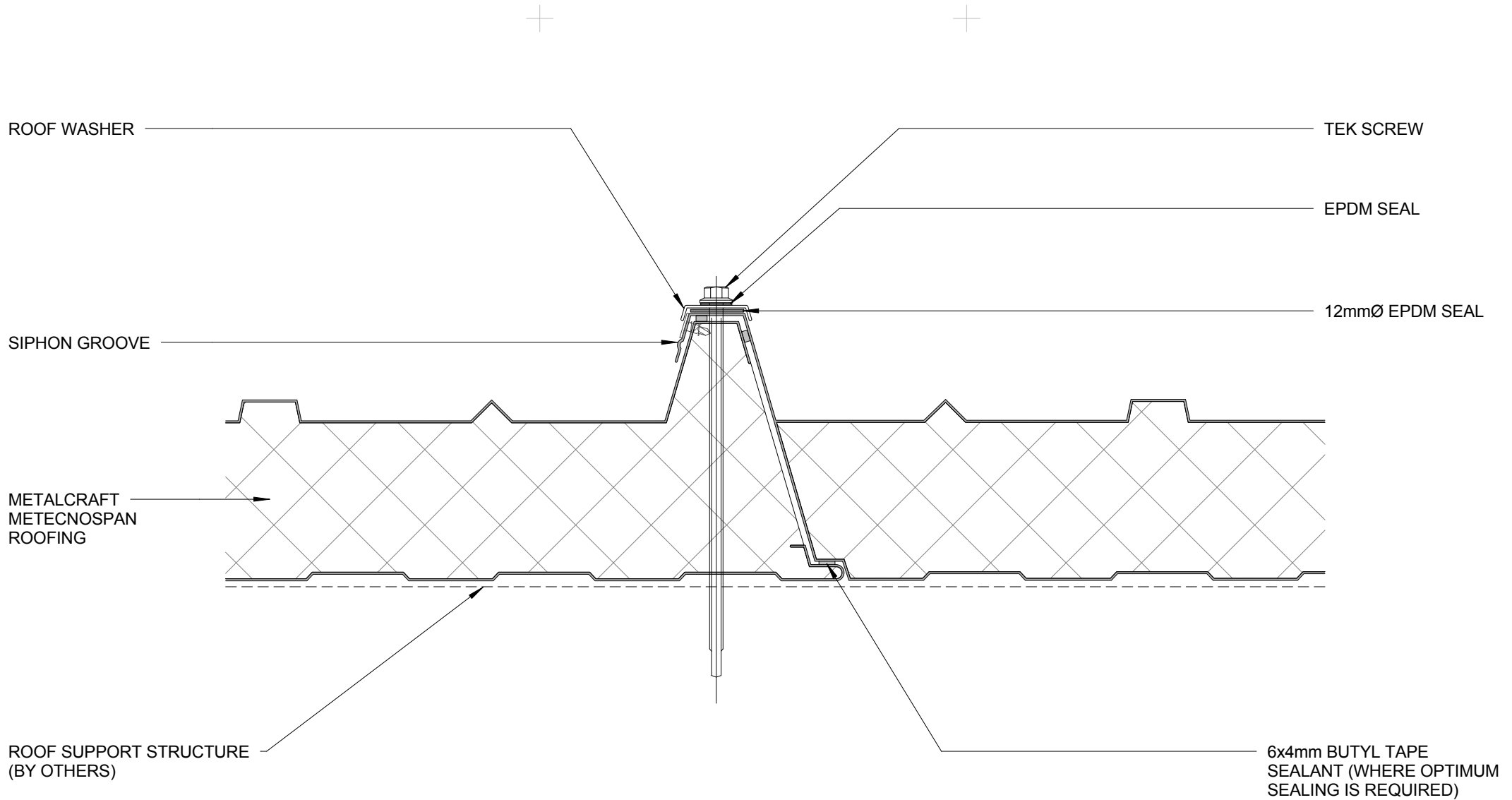
METALCRAFT
METECNOSPAN
ROOFING

ROOF SUPPORT STRUCTURE
(BY OTHERS)



TEK SCREW
ROOF WASHER
12mmØ EPDM SEAL
BUTYL TAPE SEALANT

6x4mm BUTYL TAPE
SEALANT (WHERE OPTIMUM
SEALING IS REQUIRED)



- 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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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.

SIDE LAP DETAIL (ALTERNATIVE 1) COMMERCIAL ROOFING

MetecnoSpan (PIR)

Reference CRMS

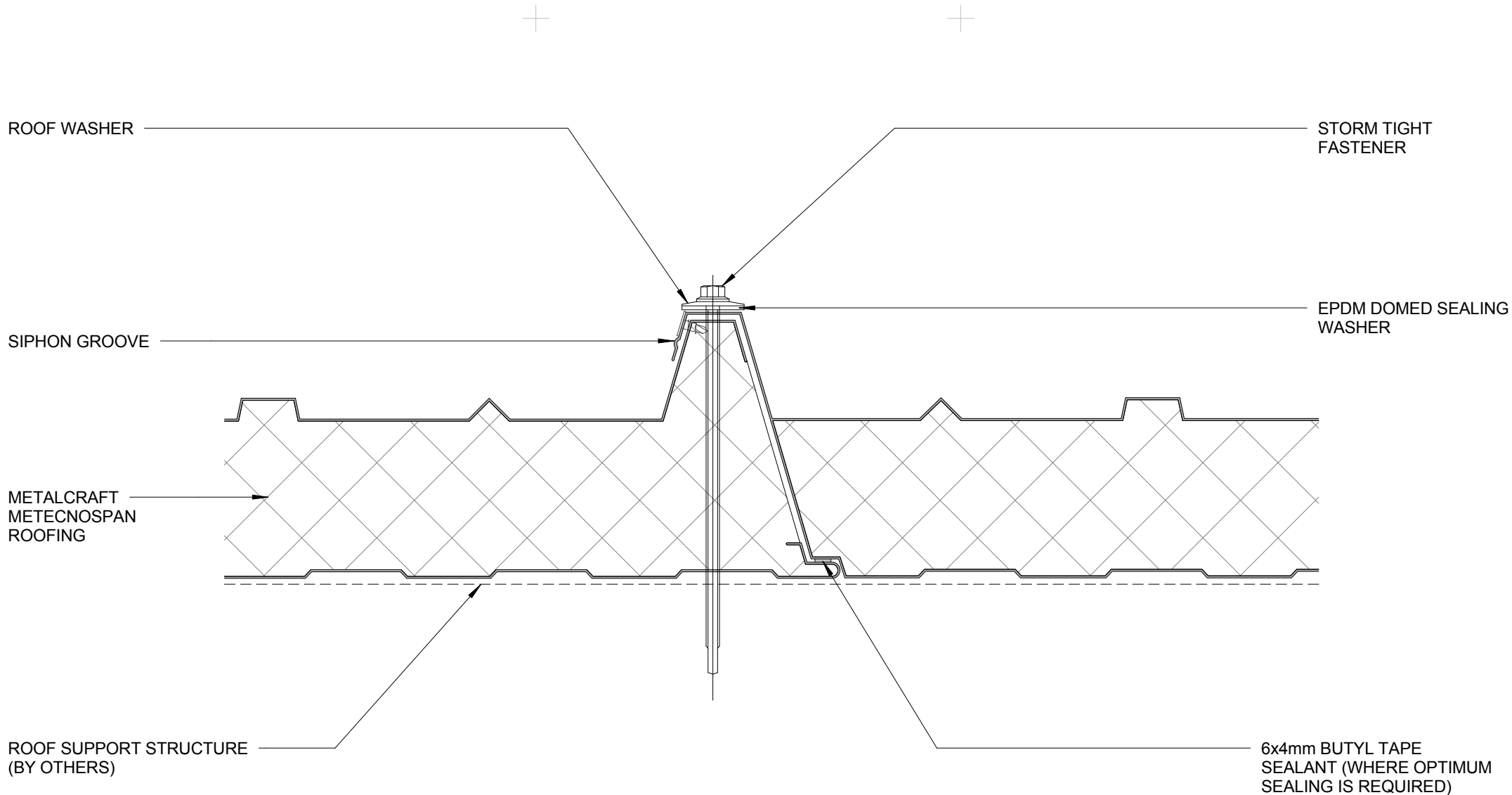
Rev: R0

Date 30.08.2016

Scale 1 : 2

Sheet

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ROOF WASHER

STORM TIGHT FASTENER

SIPHON GROOVE

EPDM DOMED SEALING WASHER

METALCRAFT METECNOSPAN ROOFING

ROOF SUPPORT STRUCTURE (BY OTHERS)

6x4mm BUTYL TAPE SEALANT (WHERE OPTIMUM SEALING IS REQUIRED)

- 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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SIDE LAP DETAIL (ALTERNATIVE)
COMMERCIAL ROOFING



MetecnoSpan (PIR)

Rev: R0

Reference CRMS

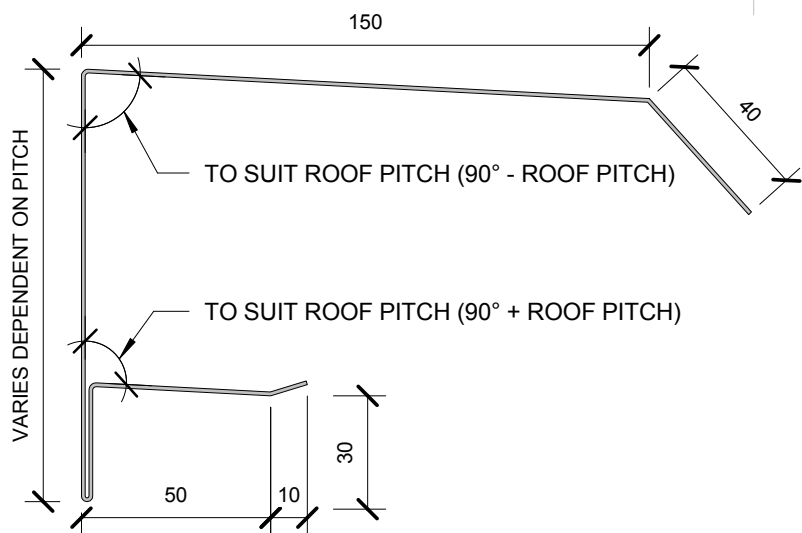
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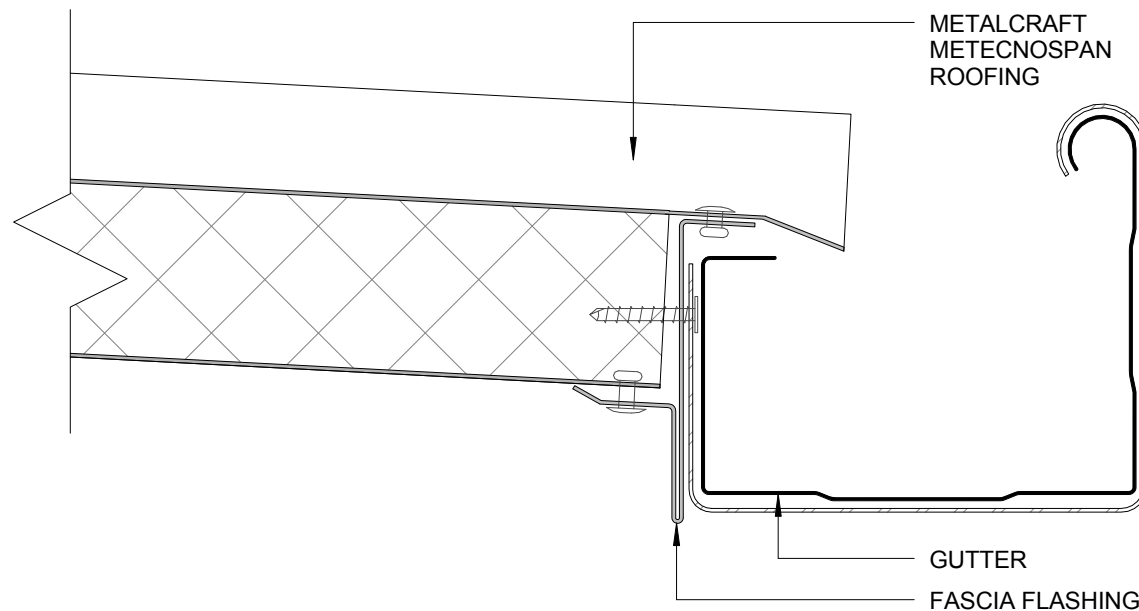
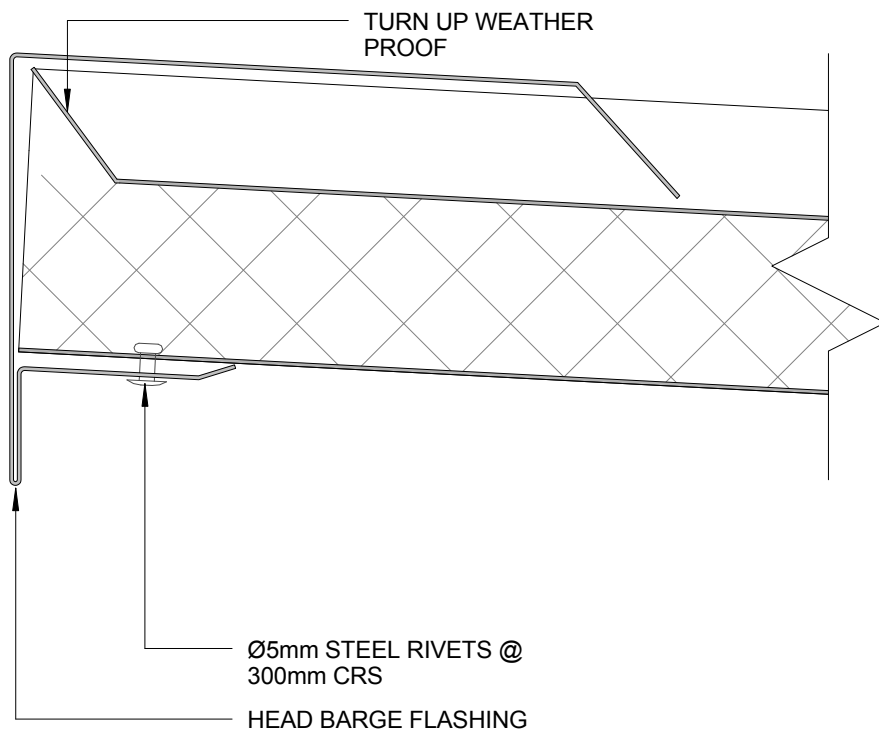
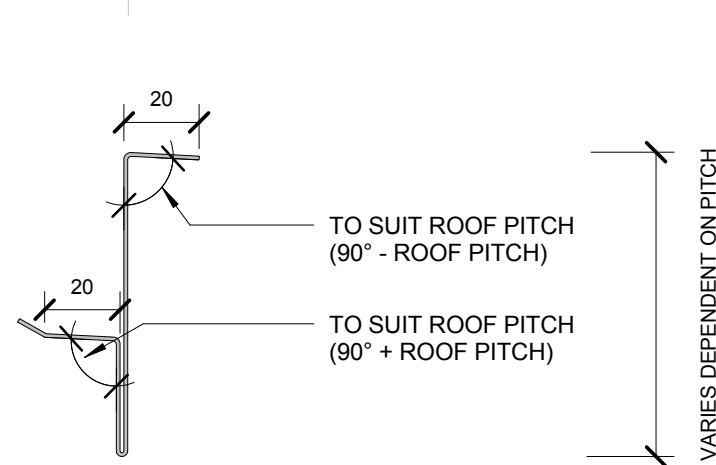
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METECNOSPAN HEAD BARGE FLASHING



METECNOSPAN FASCIA FLASHING

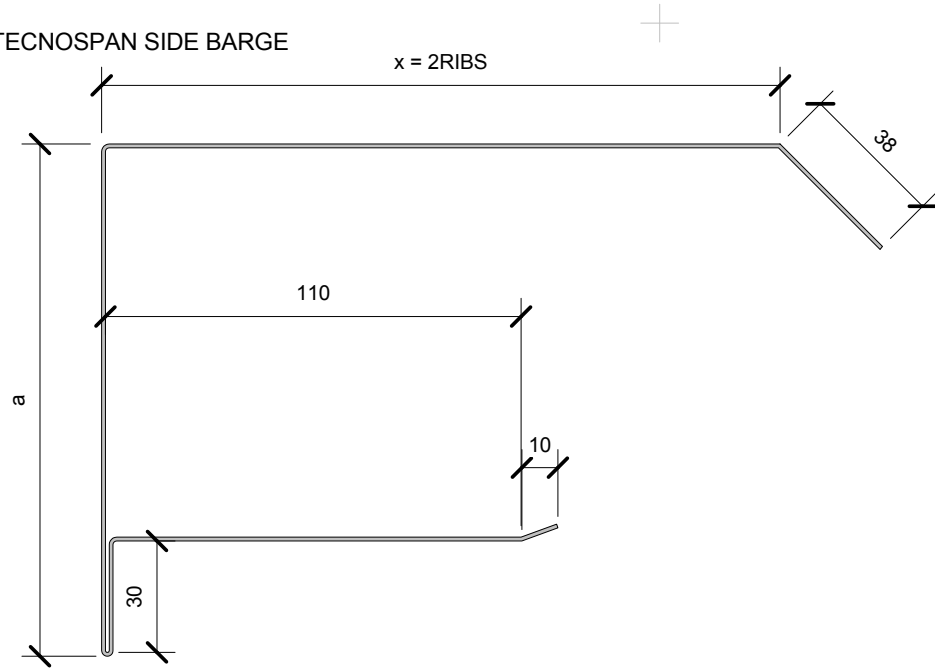


FASCIA AND HEAD BARGE FLASHING DIMENSIONS

MetecnoSpan Commercial

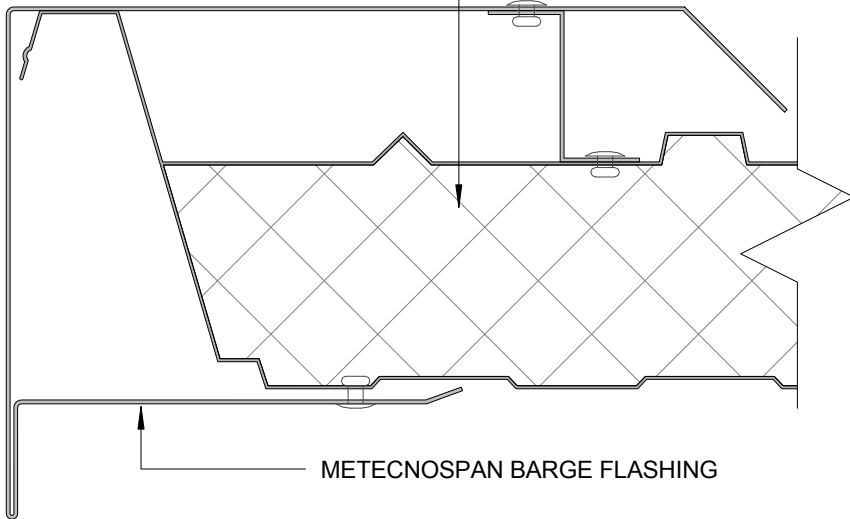
COMMERCIAL ROOFING

METECNOSPAN SIDE BARGE

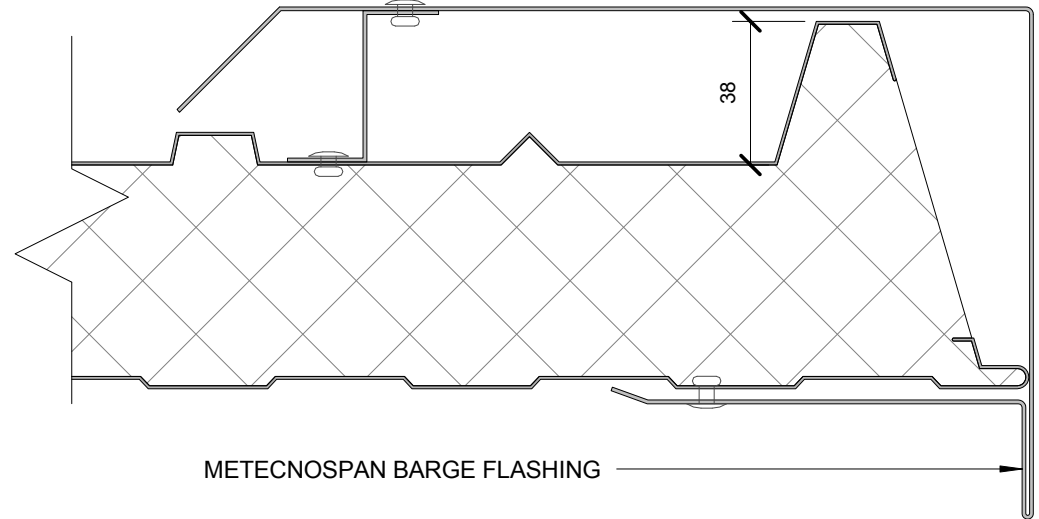


SIDE BARGE	
Metecnospan thickness	Flashing Height (a)
40mm	111mm
60mm	131mm
80mm	151mm
100mm	171mm

METALCRAFT METECNOSPAN ROOFING

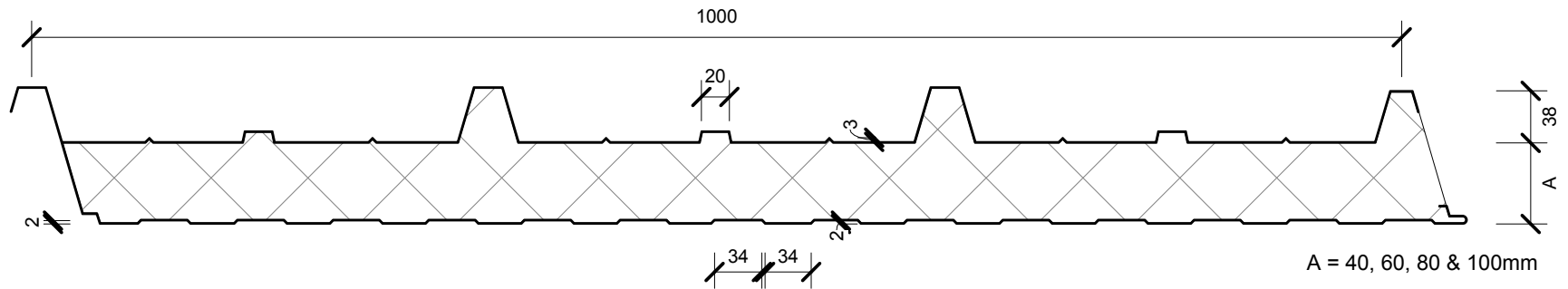


Ø5mm RIVETS @ 300 CRS



SIDE BARGE FLASHING DIMENSIONS

Metecnospan PIR

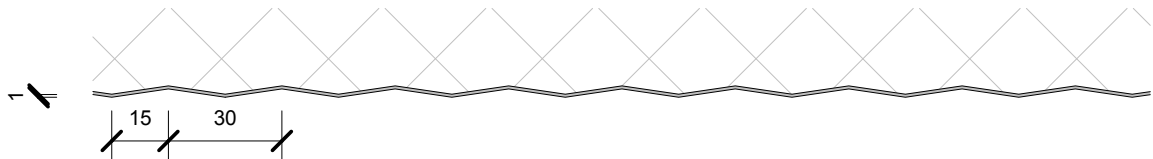


FINELINE FINISH

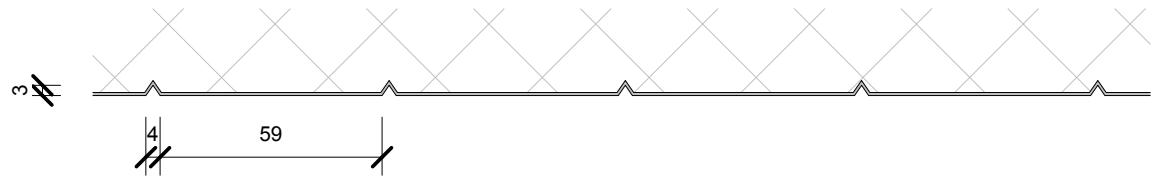
SCALE @ 1:5

INTERNAL LINER FINISHES

SATINLINE FINISH



MICRO V RIB FINISH



SCALE @ 1:2

PANEL PROFILES AND SIZES

COMMERCIAL ROOFING