

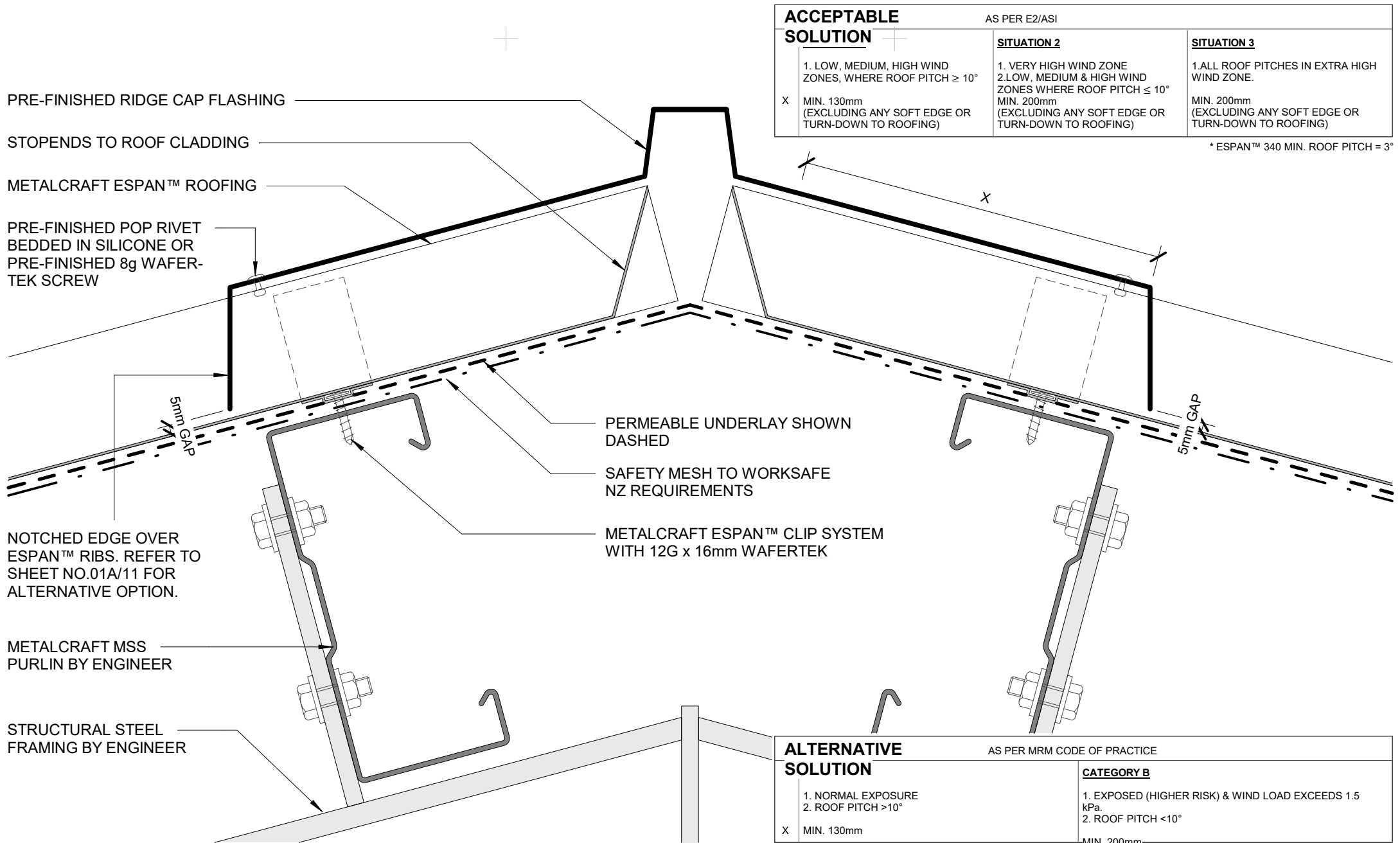
Espan 340™ / 470™

COMMERCIAL ROOFING

DETAIL LIST

00 / 12	COVER SHEET
01 / 12	RIDGE WITH PROFILED APEX
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02 / 12	RIDGE WITH NON PROFILED APEX
03 / 12	SAWTOOTH RIDGE
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08A / 12	BARGE FLASHING ALTERNATIVE OPTION
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ACCEPTABLE SOLUTION	AS PER E2/ASI	
	SITUATION 2	SITUATION 3
1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$ X MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	1. VERY HIGH WIND ZONE 2. LOW, MEDIUM & HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$ MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE. MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)

* ESPAN™ 340 MIN. ROOF PITCH = 3°

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

**E2/ASI NO LONGER PREVENTS VENTILATION OF INSULATED SPACES. REFER TECHNICAL BULLETIN: VENTILATION OF ROOF SPACES

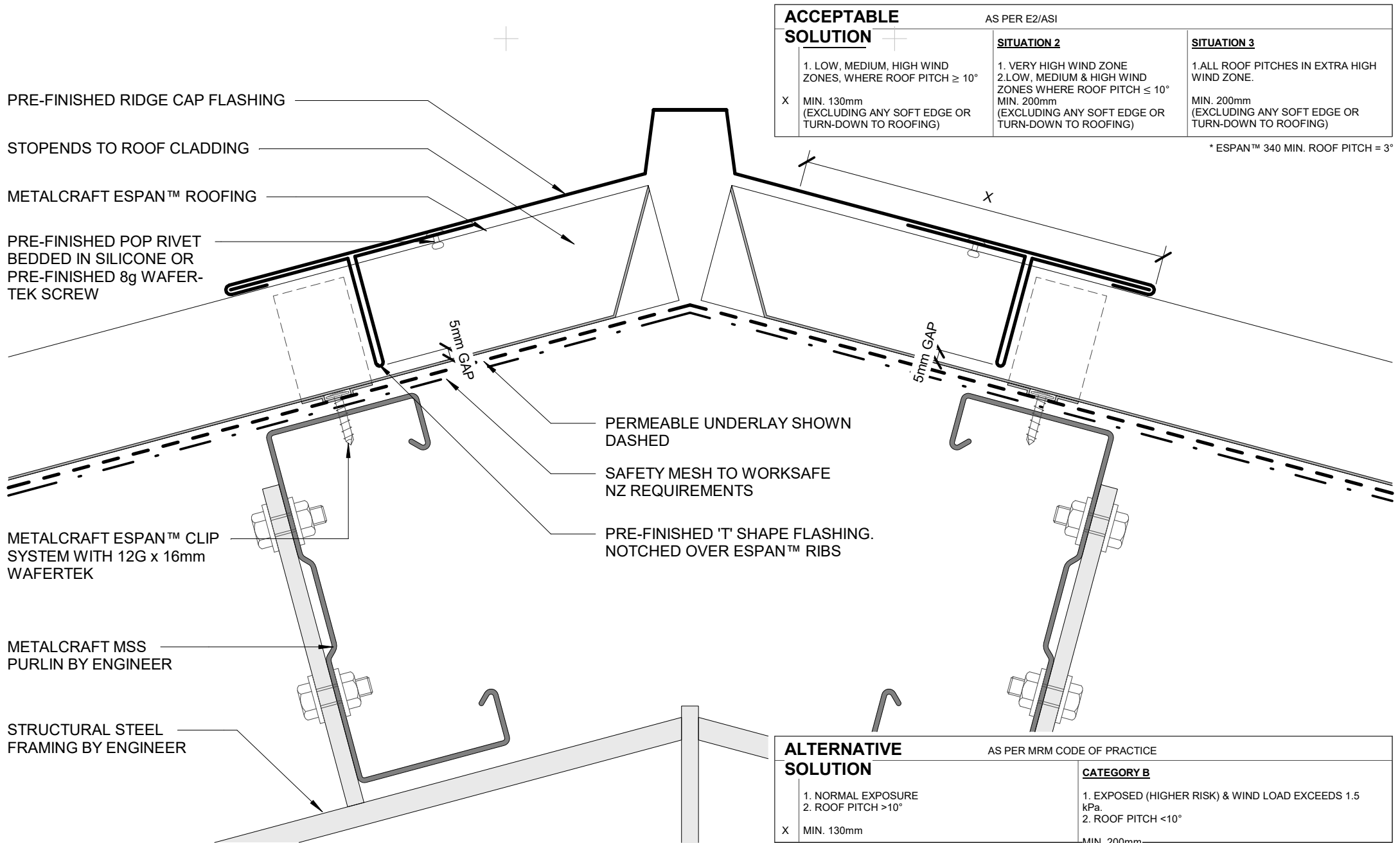
* - PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2 /2012 AS MINIMUM PITCH WILL INCREASE DEPENDING ON DEFLECTION AND RAINWATER

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Espan 340™ / 470™

RIDGE WITH PROFILED APEX
 COMMERCIAL ROOFING



ACCEPTABLE SOLUTION	AS PER E2/ASI	
	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.
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)

* ESPAN™ 340 MIN. ROOF PITCH = 3°

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

**E2/ASI NO LONGER PREVENTS VENTILATION OF INSULATED SPACES. REFER TECHNICAL BULLETIN: VENTILATION OF ROOF SPACES

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RIDGE FLASHING ALTERNATIVE OPTION COMMERCIAL ROOFING



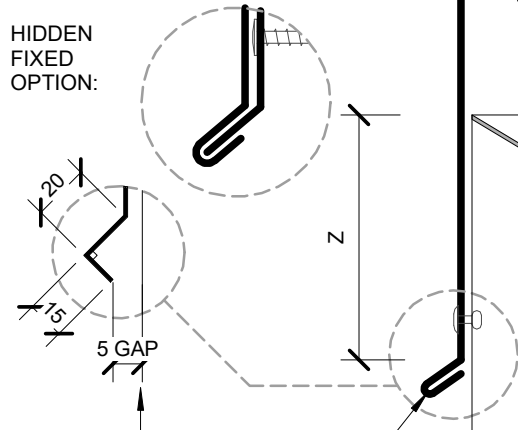
Espan 340™ / 470™

METALCRAFT ESPAN™ ROOFING.
STOPPENDS TO ROOF CLADDING

PRE-FINISHED SAWTOOTH
RIDGE CAP FLASHING

SEPARATE BATTEN AND
CLADDING WITH EPDM AS
REQUIRED

HIDDEN
FIXED
OPTION:



ALTERNATIVE OPTION
BIRDS BEAK EDGE

HEMMED EDGE

METALCRAFT ESPAN™
CLADDING

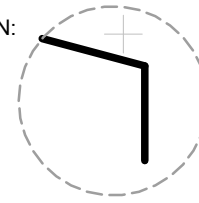
20mm CAVITY

PERMEABLE UNDERLAY SHOWN
DASHED

STRUCTURAL STEEL FRAMING
BY ENGINEER

METALCRAFT MSS PURLIN
BY ENGINEER

NOTCHED OPTION:



* ESPAN™ MIN. ROOF PITCH = 3°

PRE-FINISHED POP RIVET
BEDDED IN SILICONE OR PRE-
FINISHED 8g WAFER-TEK SCREW

NOTCHED EDGE OVER ESPAN™
RIBS. REFER TO SHEET NO.01A/11
FOR ALTERNATIVE OPTION.

METALCRAFT ESPAN™ CLIP
SYSTEM WITH 12G x 16mm
WAFERTEK

PERMEABLE UNDERLAY SHOWN
DASHED

SAFETY MESH TO WORKSAFE NZ
REQUIREMENTS

PRE-FINISHED SELF
DRILLING/TAPPING SCREW WITH
RUBBER WASHER FOR FIXING
TOP OF ESPAN CLADDING

ACCEPTABLE SOLUTION	AS PER E2/ASI	
	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 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)	

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SAWTOOTH RIDGE
COMMERCIAL ROOFING

Espan 340™ / 470™

Rev: R0

Reference CREP

Date 2016

Scale 1 : 2

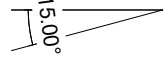
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EAVE FLASHING REQUIRED WHEN ALL OF THE FOLLOWING CONDITIONS ARE MET:

- ROOF PITCH $\leq 10^\circ$, AND
- SOFFIT WIDTH $\leq 100\text{mm}$, AND
- WIND ZONES = VERY HIGH OR EXTRA HIGH OR
- ENGINEER SPECIFIC DESIGN
- MRM RECOMMENDS TO USE IN AREAS EXPOSED TO CONTAMINATORS SUCH AS SEA SALT OR INDUSTRIAL POLLUTANTS

* ESPAN™ 340
MIN. ROOF PITCH = 3°



MIN. 50mm
OR AS REQUIRED

DIMENSION TO SUIT
SUGGEST MIN. 125mm

PERMEABLE UNDERLAY SHOWN DASHED

PRE-FINISHED EAVE FLASHING

METALCRAFT BOX GUTTER 125 WITH EXTERNAL BRACKET

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH RUBBER WASHER

SEPARATE BATTEN AND CLADDING WITH EPDM AS REQUIRED

FASCIA BOARD

METALCRAFT ESPAN™ CLADDING ON CAVITY

METALCRAFT MSS PURLIN BY ENGINEER

MIN. 35mm
OVERLAP

PACKER

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH RUBBER WASHER FOR FIXING TOP OF ESPAN CLADDING

STRUCTURAL STEEL FRAMING BY ENGINEER

METALCRAFT ESPAN™ CLIP SYSTEM WITH 12G x 16mm WAFERTEK

- 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 DEFLECTION AND RAINWATER

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FLUSH EAVE WITH EXTERNAL GUTTER BRACKET

Espan 340™ / 470™

COMMERCIAL ROOFING

Rev: R0

Date 2016

Scale 1 : 2

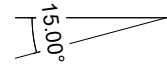
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Reference CREP

EAVE FLASHING REQUIRED WHEN ALL OF THE FOLLOWING CONDITIONS ARE MET:
 - ROOF PITCH $\leq 10^\circ$, AND
 - SOFFIT WIDTH $\leq 100\text{mm}$, AND
 - WIND ZONES = VERY HIGH OR EXTRA HIGH OR
 - ENGINEER SPECIFIC DESIGN
 - MRM RECOMMENDS TO USE IN AREAS EXPOSED TO CONTAMINATORS SUCH AS SEA SALT OR INDUSTRIAL POLLUTANTS

* ESPAN™ 340
 MIN. ROOF PITCH = 3°



DIMENSION TO SUIT
 SUGGEST MIN. 125mm

MIN. 50mm
 OR AS REQUIRED

MIN 35mm
 OVERLAP

METALCRAFT ESPAN™ ROOFING

PERMEABLE UNDERLAY SHOWN DASHED

PRE-FINISHED EAVE FLASHING

METALCRAFT BOX GUTTER 125 WITH EXTERNAL BRACKET

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH RUBBER WASHER

SEPARATE BATTEN AND CLADDING WITH EPDM AS REQUIRED

METALCRAFT ESPAN™ CLADDING ON CAVITY

METALCRAFT MSS PURLIN BY ENGINEER

METALCRAFT ESPAN™ CLIP SYSTEM WITH 12G x 16mm WAFERTEK

PACKER

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

PRE-FINISHED SELF DRILLING/TAPPING SCREW WITH RUBBER WASHER FOR FIXING TOP OF ESPAN CLADDING

STRUCTURAL STEEL FRAMING BY ENGINEER

* - PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2 /2012 AS MINIMUM PITCH WILL INCREASE DEPENDING ON DEFLECTION AND RAINWATER

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FLUSH EAVE WITH PAN FIXED GUTTER
 COMMERCIAL ROOFING

Espan 340™ / 470™

Rev: R0

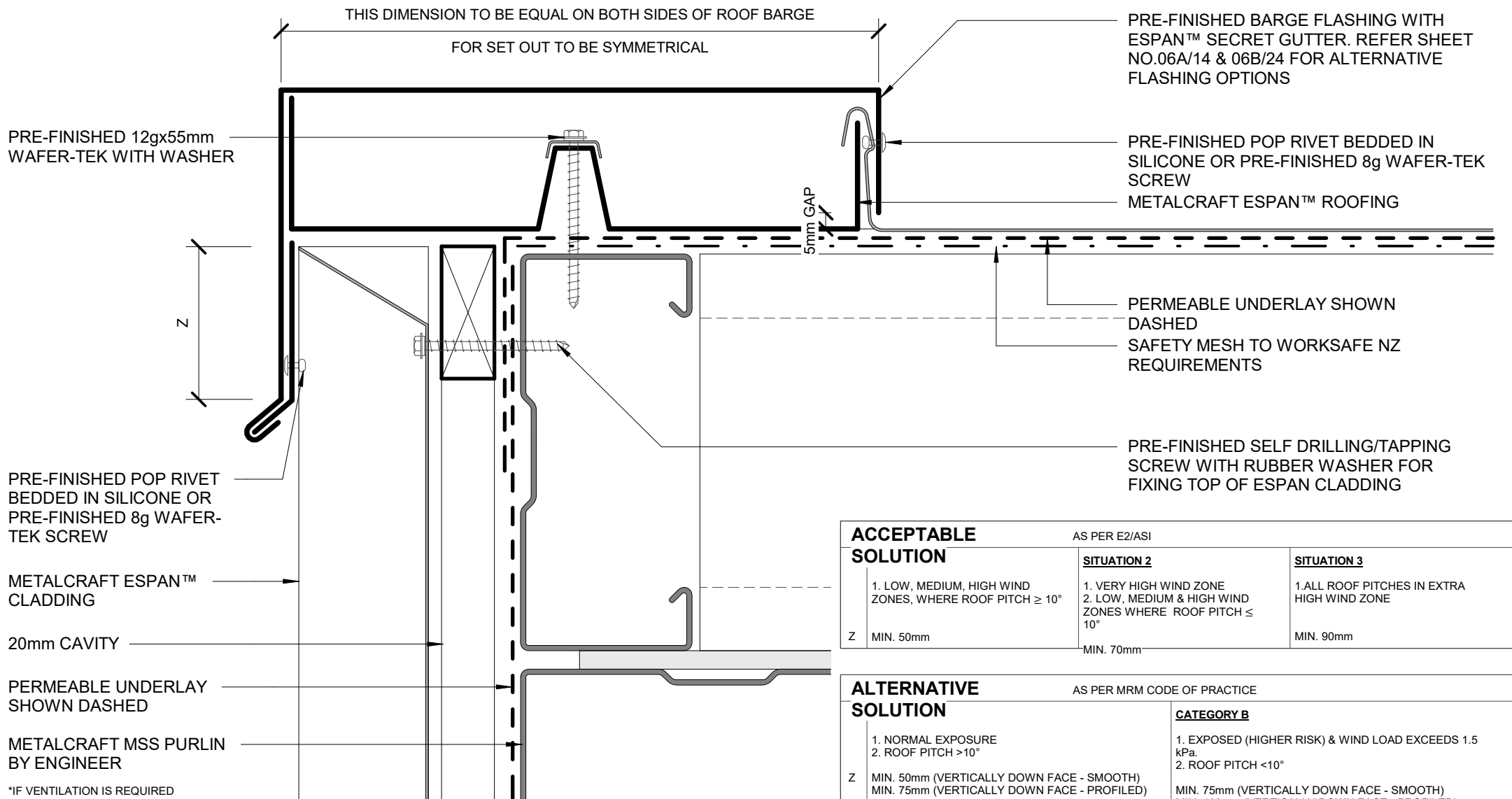
Reference CREP

Date 2016

Scale 1 : 2

Sheet

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ACCEPTABLE SOLUTION		AS PER E2/ASI	
		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
Z	MIN. 50mm	MIN. 70mm	MIN. 90mm

ALTERNATIVE SOLUTION		AS PER MRM CODE OF PRACTICE	
		CATEGORY B	
	1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$	
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 FLASHING WITH PROFILED CLADDING

Espan 340™ / 470™

COMMERCIAL ROOFING

Rev: R0

Reference CREP

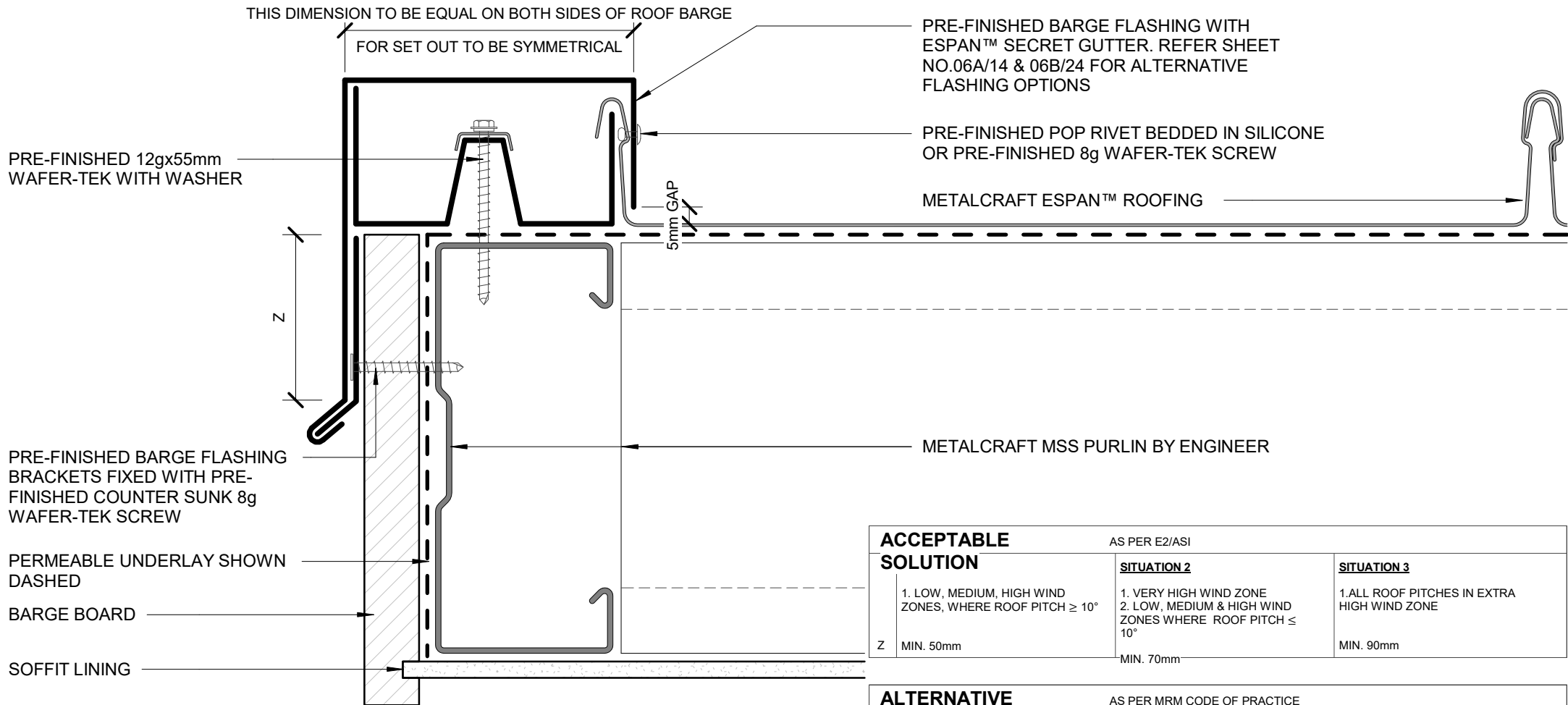
Date 2016

Scale 1 : 2

Sheet

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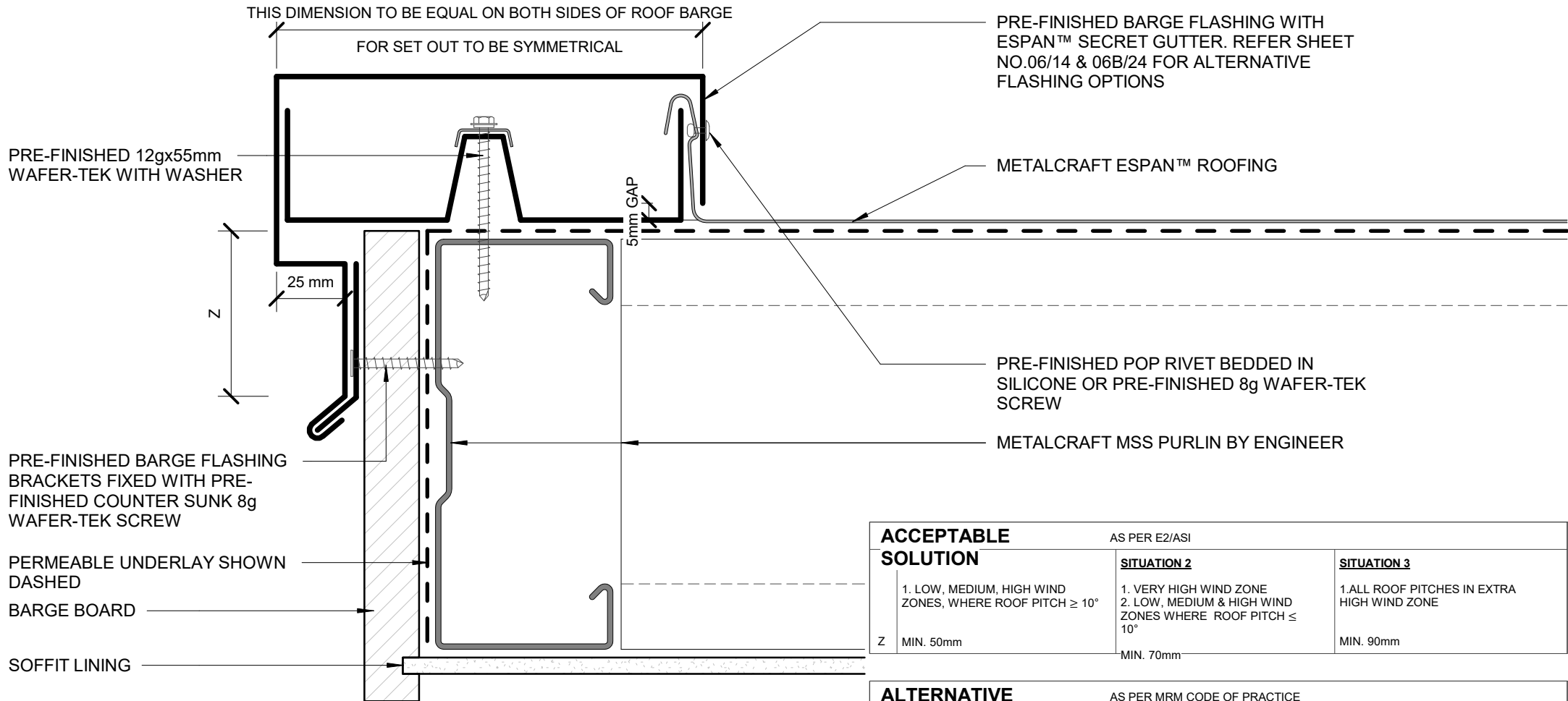


*IF VENTILATION IS REQUIRED

ACCEPTABLE SOLUTION	AS PER E2/ASI	
1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	SITUATION 2	SITUATION 3
Z MIN. 50mm	1. VERY HIGH WIND ZONE 2. LOW, MEDIUM & HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$ MIN. 70mm	1. ALL ROOF PITCHES IN EXTRA HIGH WIND ZONE MIN. 90mm

ALTERNATIVE SOLUTION	AS PER MRM CODE OF PRACTICE	
1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	CATEGORY B	
Z MIN. 50mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 75mm (VERTICALLY DOWN FACE - PROFILED)	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 100mm (VERTICALLY DOWN FACE - PROFILED)

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ACCEPTABLE SOLUTION	AS PER E2/AS1	
	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
Z MIN. 50mm	MIN. 70mm	MIN. 90mm

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

*IF VENTILATION IS REQUIRED

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BARGE FLASHING ALTERNATIVE OPTION COMMERCIAL ROOFING

Espan 340™ / 470™

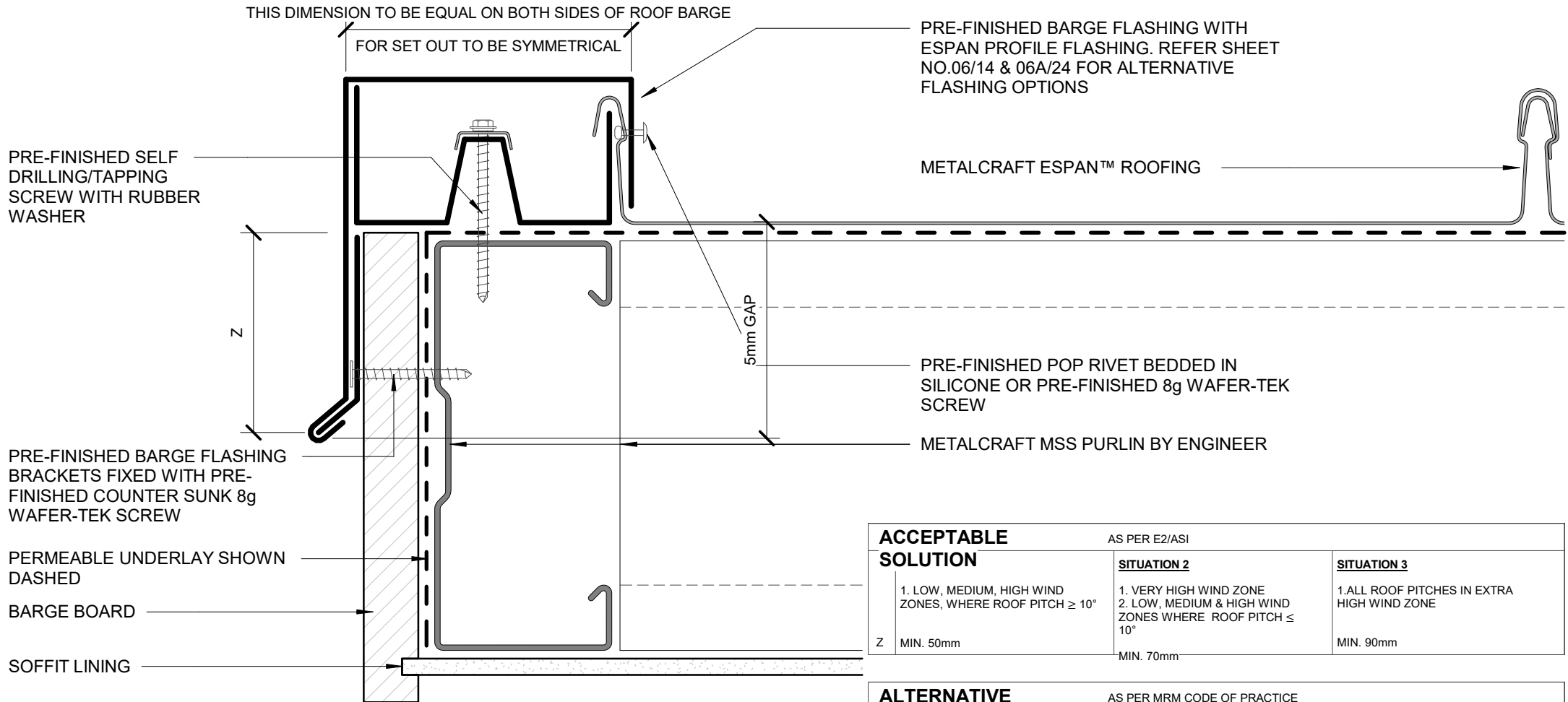
Reference CREP

Rev: R0

Date 2016

Scale 1 : 2

Sheet **08A / 12**



ACCEPTABLE SOLUTION		AS PER E2/AS1	
		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
Z	MIN. 50mm	MIN. 70mm	MIN. 90mm

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

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BARGE FLASHING ALTERNATIVE OPTION

COMMERCIAL ROOFING

Espan 340™ / 470™

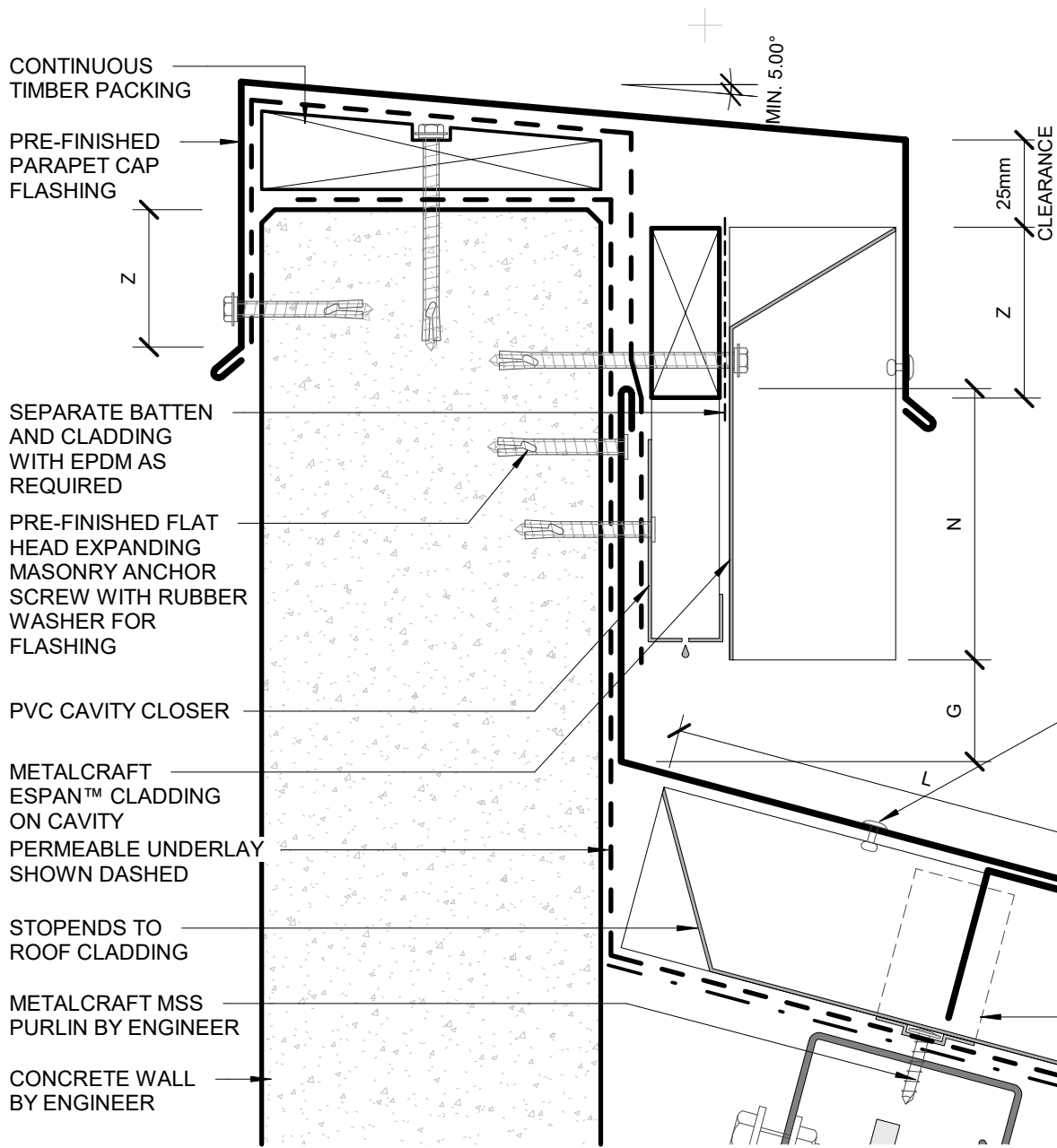
Reference CREP

Rev: R0

Date 2016

Scale 1 : 2

Sheet **08B / 12**



ACCEPTABLE SOLUTION		AS PER E2/ASI	
		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	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 B	
1. NORMAL EXPOSURE		1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa	
2. ROOF PITCH $>10^\circ$		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)	

- PRE-FINISHED POP RIVET BEDDED IN SILICONE OR PRE-FINISHED 8g WAFER-TEK SCREW
- PRE-FINISHED APRON FLASHING
- METALCRAFT ESPAN™ ROOFING
- NOTCHED EDGE OVER ESPAN™ RIBS. REFER TO SHEET NO.01A/24 FOR ALTERNATIVE OPTION.
- METALCRAFT ESPAN™ CLIP SYSTEM WITH 12G x 16mm WAFERTEK
- SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

- 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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PARAPET WITH TRANSVERSE APRON

COMMERCIAL ROOFING

Espan 340™ / 470™

Reference CREP

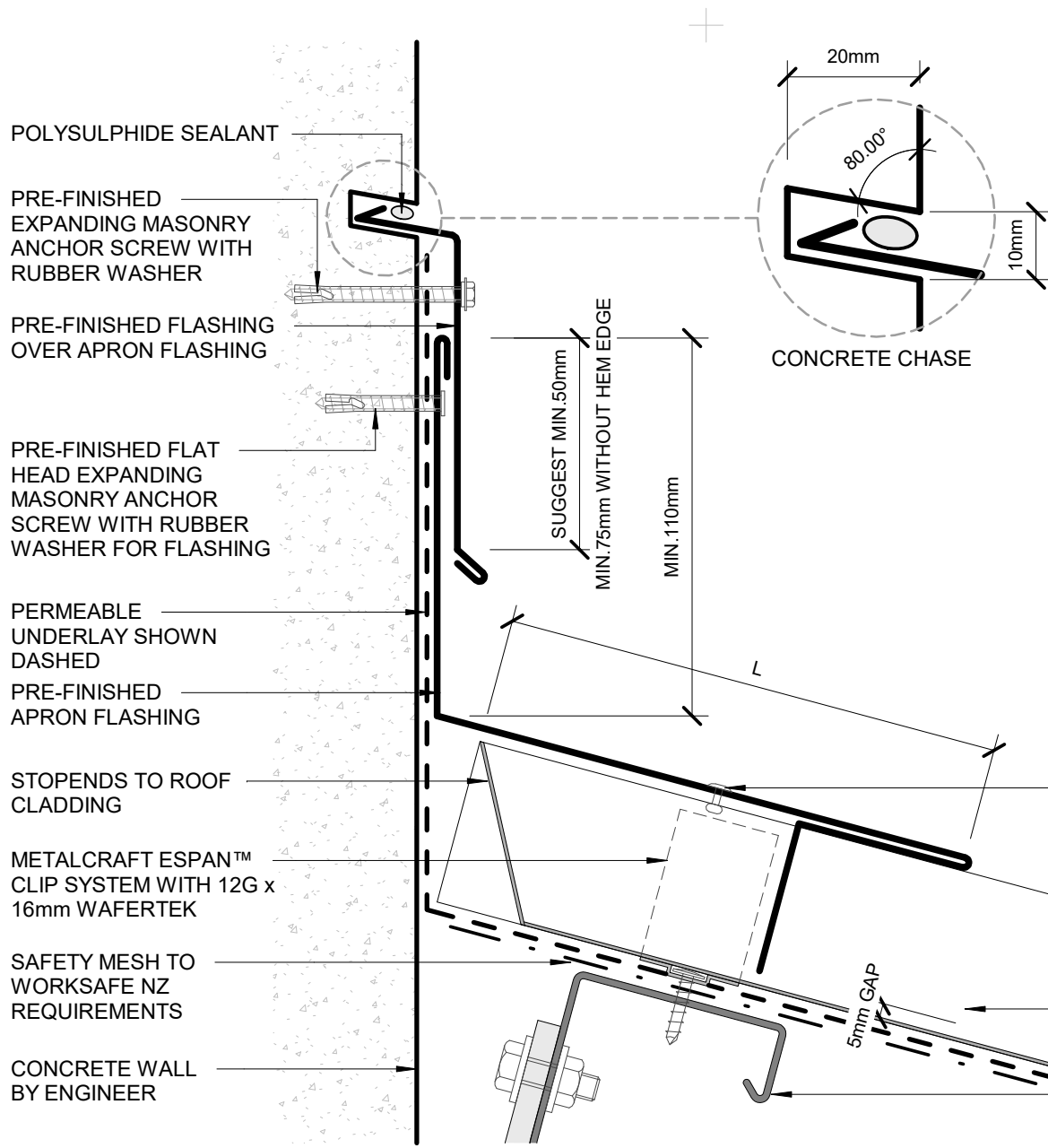
Rev: R0

Date 2016

Scale 1 : 2

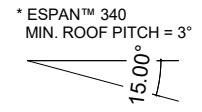
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ACCEPTABLE SOLUTION	AS PER E2/AS1	
	SITUATION 2	SITUATION 3
1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$ L MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	1. VERY HIGH WIND ZONE 2. LOW, MEDIUM, AND HIGH WIND ZONES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

ALTERNATIVE SOLUTION	AS PER MRM CODE OF PRACTICE	
	CATEGORY B	
1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$ L MIN. 150mm	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$ MIN. 200mm	



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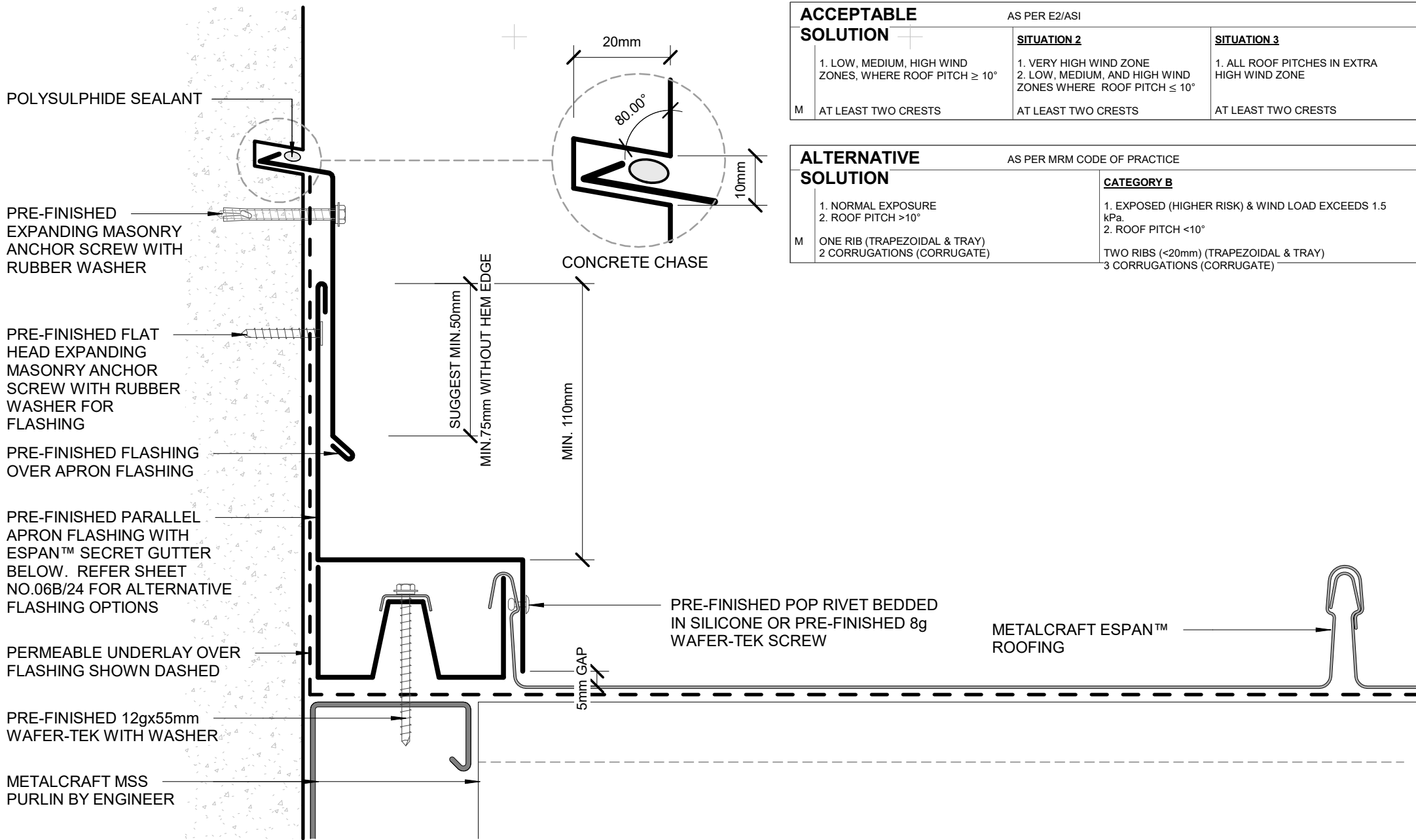
* - PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2 /2012 AS MINIMUM PITCH WILL INCREASE DEPENDING ON DEFLECTION AND RAINWATER

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Espan 340™ / 470™

TRANSVERSE APRON
COMMERCIAL ROOFING



ACCEPTABLE SOLUTION		AS PER E2/AS1	
		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
M	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS

ALTERNATIVE SOLUTION		AS PER MRM CODE OF PRACTICE	
		CATEGORY B	
	1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$	
M	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS (CORRUGATE)	TWO RIBS ($<20\text{mm}$) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS (CORRUGATE)	

- 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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Espan 340™ / 470™

PARALLEL APRON
COMMERCIAL ROOFING

Reference CREP

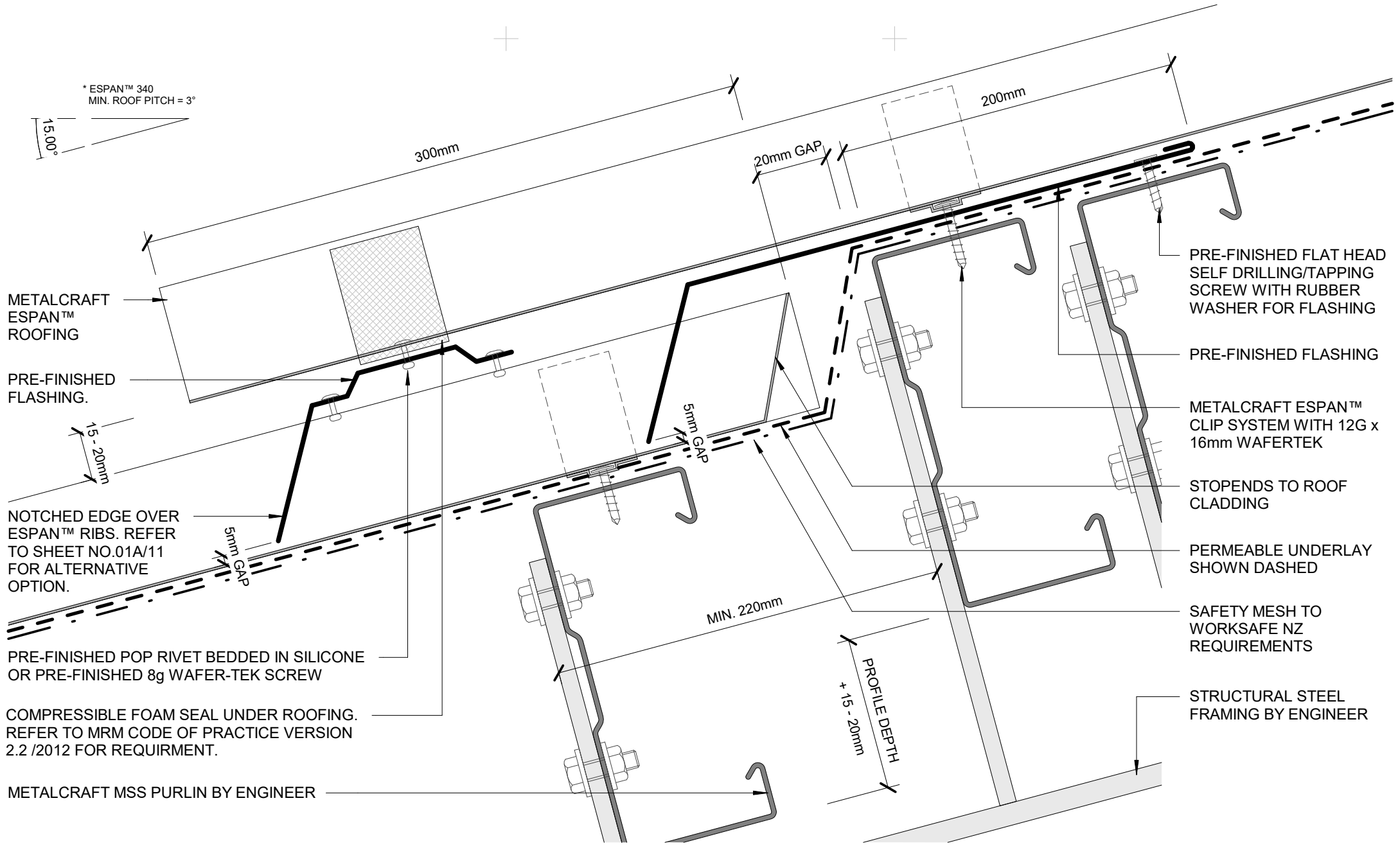
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* ESPAN™ 340
MIN. ROOF PITCH = 3°

METALCRAFT
ESPAN™
ROOFING

PRE-FINISHED
FLASHING.

NOTCHED EDGE OVER
ESPAN™ RIBS. REFER
TO SHEET NO.01A/11
FOR ALTERNATIVE
OPTION.

PRE-FINISHED POP RIVET BEDDED IN SILICONE
OR PRE-FINISHED 8g WAFER-TEK SCREW

COMPRESSIBLE FOAM SEAL UNDER ROOFING.
REFER TO MRM CODE OF PRACTICE VERSION
2.2 /2012 FOR REQUIREMENT.

METALCRAFT MSS PURLIN BY ENGINEER

PRE-FINISHED FLAT HEAD
SELF DRILLING/TAPPING
SCREW WITH RUBBER
WASHER FOR FLASHING

PRE-FINISHED FLASHING

METALCRAFT ESPAN™
CLIP SYSTEM WITH 12G x
16mm WAFERTEK

STOPENDS TO ROOF
CLADDING

PERMEABLE UNDERLAY
SHOWN DASHED

SAFETY MESH TO
WORKSAFE NZ
REQUIREMENTS

STRUCTURAL STEEL
FRAMING BY ENGINEER

- BUILDING PAPER IS THE COMMON GENERIC NAME FOR
PERMEABLE
ROOF AND WALL UNDERLAYS. PLEASE REFER TO NZBC E2/AS1 AND
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and method of installation should comply with underlay manufacturers recommendations and
NZBC regulations.

**ROOF STEP
COMMERCIAL ROOFING**

Espan 340™ / 470™

Reference CREP

Rev: R0

Date 2016

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