

# Metdek 855

## COMMERCIAL ROOFING

### DETAIL LIST

00 / 14	COVER SHEET
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02 / 14	RIDGE WITH NON PROFILED APEX
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04 / 14	FLUSH EAVE WITH EXTERNAL GUTTER BRACKET
05 / 14	FLUSH EAVE WITH PAN FIXED GUTTER
06 / 14	BARGE OVERHANG
07 / 14	BARGE WITH PROFILED CLADDING
08 / 14	PARAPET WITH TRANSVERSE APRON
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11 / 14	ROOF STEP
12 / 14	TRANSLUCENT SHEETS - LONG SECTION
13 / 14	TRANSLUCENT SHEETS - CROSS
14 / 14	3D TRANSLUCENT SHEETS

**CRMD855**

0800 ROOFNZ (0800 766 369)  
[www.metalcraftroofing.co.nz](http://www.metalcraftroofing.co.nz)

Architectural / Specification Enquiries

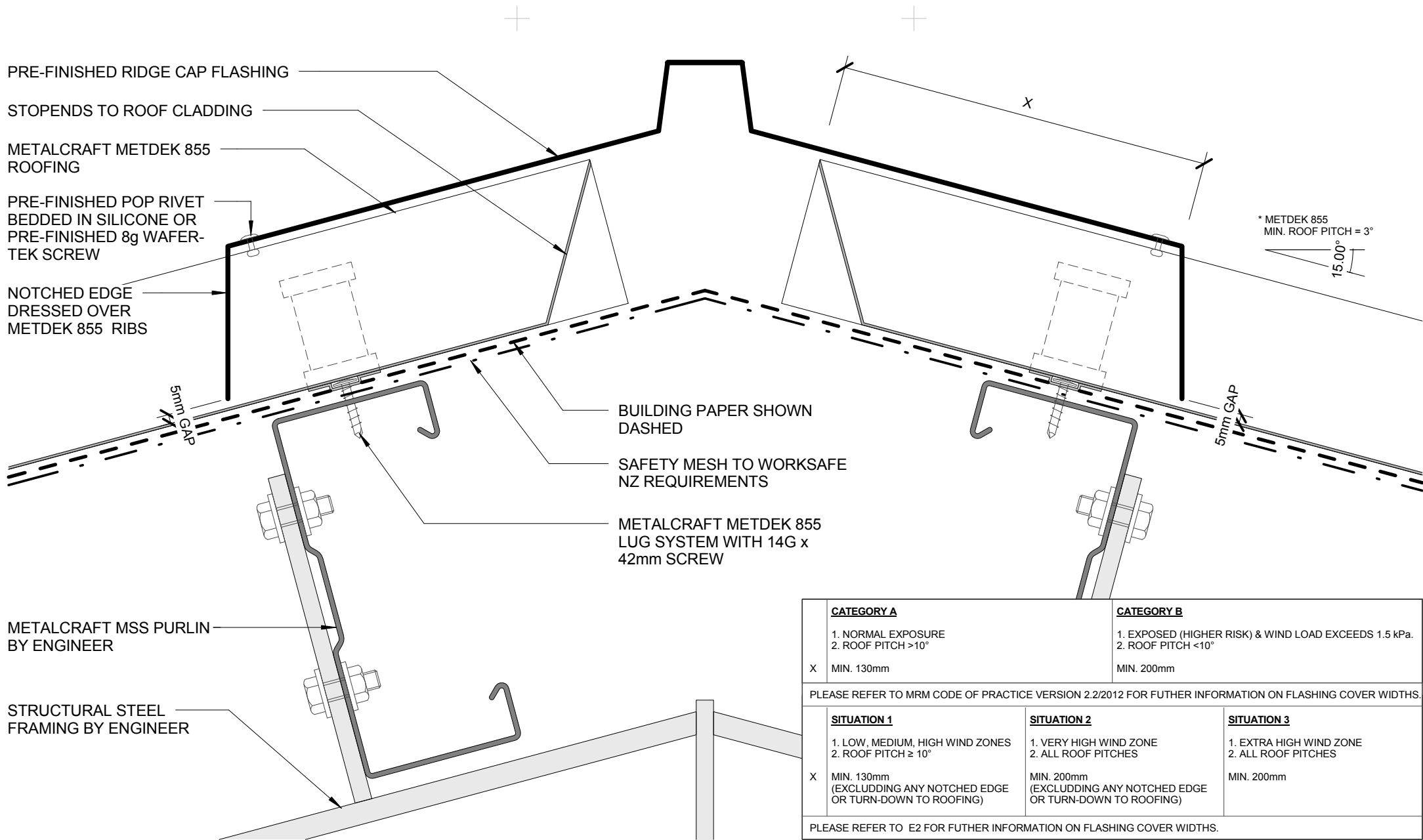
Ph: 09 274 0408

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Email: [Frances.charles@unitedindustries.co.nz](mailto:Frances.charles@unitedindustries.co.nz)



**Metalcraft**  
Roofing



PRE-FINISHED RIDGE CAP FLASHING

STOPENDS TO ROOF CLADDING

METALCRAFT METDEK 855 ROOFING

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

NOTCHED EDGE DRESSED OVER METDEK 855 RIBS

5mm GAP

BUILDING PAPER SHOWN DASHED

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

METALCRAFT METDEK 855 LUG SYSTEM WITH 14G x 42mm SCREW

METALCRAFT MSS PURLIN BY ENGINEER

STRUCTURAL STEEL FRAMING BY ENGINEER

\* METDEK 855 MIN. ROOF PITCH = 3°

15.00°

<p><b>CATEGORY A</b></p> <p>1. NORMAL EXPOSURE 2. ROOF PITCH &gt;10°</p> <p>X MIN. 130mm</p>		<p><b>CATEGORY B</b></p> <p>1. EXPOSED (HIGHER RISK) &amp; WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH &lt;10°</p> <p>MIN. 200mm</p>	
<p>PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012 FOR FUTHER INFORMATION ON FLASHING COVER WIDTHS.</p>			
<p><b>SITUATION 1</b></p> <p>1. LOW, MEDIUM, HIGH WIND ZONES 2. ROOF PITCH ≥ 10°</p> <p>X MIN. 130mm (EXCLUDING ANY NOTCHED EDGE OR TURN-DOWN TO ROOFING)</p>		<p><b>SITUATION 2</b></p> <p>1. VERY HIGH WIND ZONE 2. ALL ROOF PITCHES</p> <p>MIN. 200mm (EXCLUDING ANY NOTCHED EDGE OR TURN-DOWN TO ROOFING)</p>	
<p><b>SITUATION 3</b></p> <p>1. EXTRA HIGH WIND ZONE 2. ALL ROOF PITCHES</p> <p>MIN. 200mm</p>			
<p>PLEASE REFER TO E2 FOR FUTHER INFORMATION ON FLASHING COVER WIDTHS.</p>			

- 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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**RIDGE WITH PROFILED APEX**  
**COMMERCIAL ROOFING**

Metdek 855

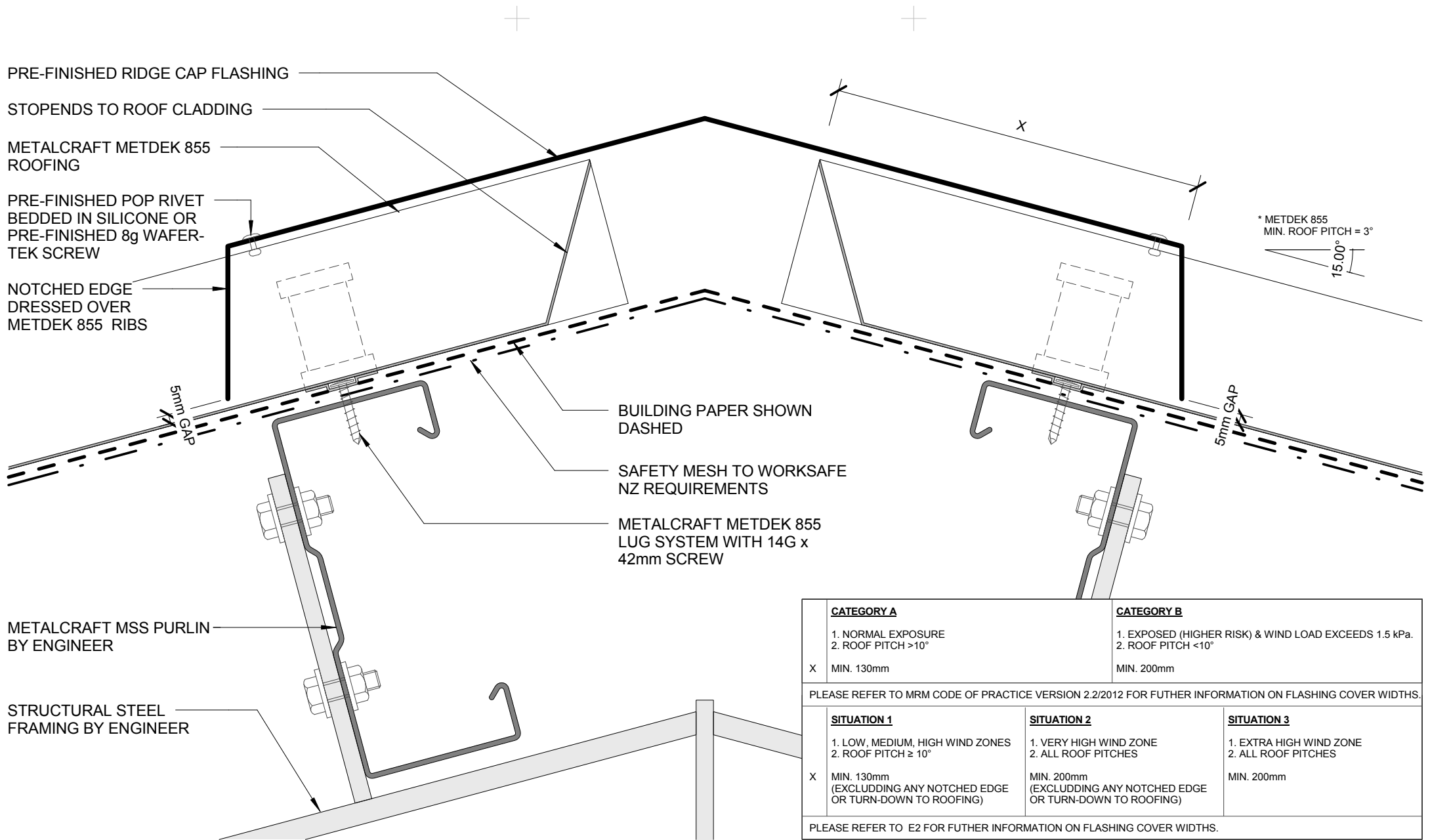
Reference CRMD855

Date 2014

Scale 1 : 2

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\* METDEK 855  
MIN. ROOF PITCH = 3°

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		
PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012 FOR FUTURE INFORMATION ON FLASHING COVER WIDTHS.					
SITUATION 1		SITUATION 2		SITUATION 3	
1. LOW, MEDIUM, HIGH WIND ZONES 2. ROOF PITCH ≥ 10°		1. VERY HIGH WIND ZONE 2. ALL ROOF PITCHES		1. EXTRA HIGH WIND ZONE 2. ALL ROOF PITCHES	
X	MIN. 130mm (EXCLUDING ANY NOTCHED EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY NOTCHED EDGE OR TURN-DOWN TO ROOFING)		MIN. 200mm	
PLEASE REFER TO E2 FOR FUTURE INFORMATION ON FLASHING COVER WIDTHS.					

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## RIDGE WITH NON PROFILED APEX COMMERCIAL ROOFING

Metdek 855

Reference CRMD855

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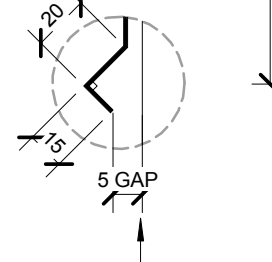


\* METDEK 855  
MIN. ROOF PITCH = 3°  
15.00°

PRE-FINISHED SAWTOOTH  
RIDGE CAP FLASHING

STOPENDS TO ROOF CLADDING

SEPARATE BATTEN AND  
CLADDING WITH EPDM AS  
REQUIRED



ALTERNATIVE OPTION  
BIRDS BEAK EDGE

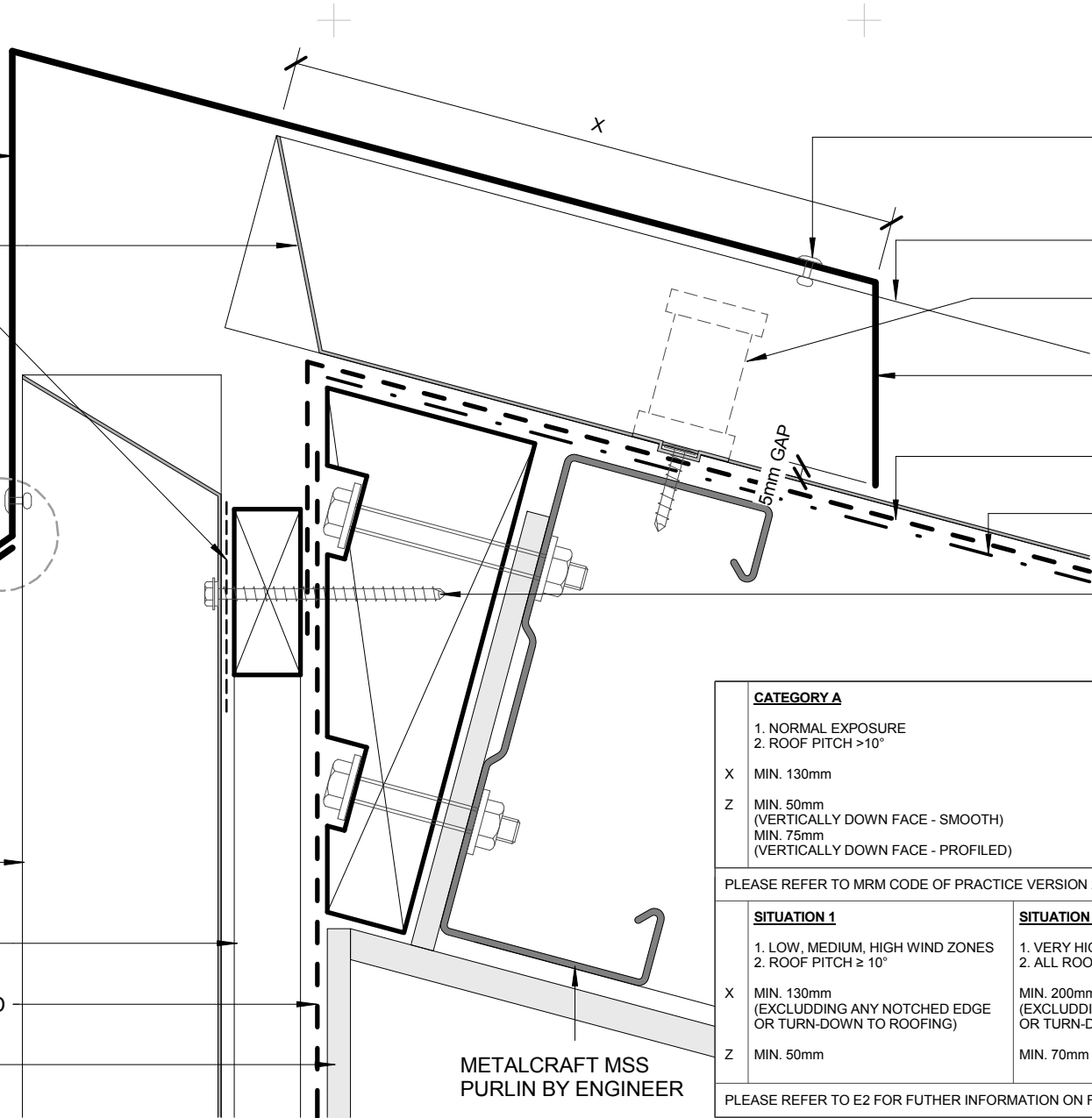
HEMMED EDGE

METALCRAFT METDEK 855  
CLADDING

20mm CAVITY

BUILDING PAPER SHOWN DASHED

STRUCTURAL STEEL FRAMING  
BY ENGINEER



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

METALCRAFT METDEK 855 ROOFING

METALCRAFT METDEK 855 LUG  
SYSTEM WITH 14G x 42mm SCREW

NOTCHED EDGE DRESSED  
OVER METDEK 855 RIBS

BUILDING PAPER SHOWN DASHED

SAFETY MESH TO WORKSAFE NZ  
REQUIREMENTS

PRE-FINISHED SELF  
DRILLING/TAPPING SCREW WITH  
RUBBER WASHER

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)	
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SITUATION 1	SITUATION 2	SITUATION 3	
1. LOW, MEDIUM, HIGH WIND ZONES 2. ROOF PITCH ≥ 10°		1. EXTRA HIGH WIND ZONE 2. ALL ROOF PITCHES	
X	MIN. 130mm (EXCLUDING ANY NOTCHED EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm	
Z	MIN. 50mm	MIN. 90mm	
PLEASE REFER TO E2 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.			

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MINIMUM PITCH WILL INCREASE DEPENDING ON SHEET LENGTH.

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Metdek 855

SAWTOOTH RIDGE  
COMMERCIAL ROOFING

Reference CRMD855

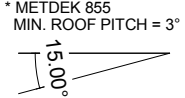
Date 2014

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EAVE FLASHING REQUIRED WHEN  
 - ROOF PITCH  $\leq 10^\circ$ , OR  
 - SOFFIT WIDTH  $\leq 100\text{mm}$ , OR  
 - WIND ZONES = VERY HIGH OR EXTRA HIGH OR  
 - ENGINEER SPECIFIC DESIGN



METALCRAFT METDEK 855 ROOFING

BUILDING PAPER 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 METDEK 855 CLADDING ON CAVITY

METALCRAFT MSS PURLIN BY ENGINEER

DIMENSION TO SUIT  
 SUGGEST MIN. 125mm

MIN. 50mm  
 OR AS REQUIRED

MIN. 35mm  
 OVERLAP

PACKER

SAFETY MESH TO  
 WORKSAFE NZ  
 REQUIREMENTS

METALCRAFT METDEK 855  
 LUG SYSTEM WITH 14G x  
 42mm SCREW

STRUCTURAL STEEL  
 FRAMING BY ENGINEER

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**FLUSH EAVE WITH EXTERNAL GUTTER BRACKET**  
**COMMERCIAL ROOFING**



Metdek 855

Reference CRMD855

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EAVE FLASHING REQUIRED WHEN  
 - ROOF PITCH  $\leq 10^\circ$ , OR  
 - SOFFIT WIDTH  $\leq 100\text{mm}$ , OR  
 - WIND ZONES = VERY HIGH OR EXTRA HIGH OR  
 - ENGINEER SPECIFIC DESIGN

\* METDEK 855  
 MIN. ROOF PITCH =  $3^\circ$



DIMENSION TO SUIT  
 SUGGEST MIN. 125mm

MIN. 50mm  
 OR AS REQUIRED

METALCRAFT METDEK  
 855 ROOFING

BUILDING PAPER  
 SHOWN DASHED

PRE-FINISHED EAVE  
 FLASHING

METALCRAFT BOX GUTTER 125  
 WITH EXTERNAL BRACKET

MIN. 35mm  
 OVERLAP

PRE-FINISHED SELF  
 DRILLING/TAPPING SCREW WITH  
 RUBBER WASHER

SEPARATE BATTEN AND CLADDING  
 WITH EPDM AS REQUIRED

METALCRAFT METDEK 855  
 CLADDING ON CAVITY

METALCRAFT MSS PURLIN  
 BY ENGINEER

PACKER

SAFETY MESH TO  
 WORKSAFE NZ  
 REQUIREMENTS

METALCRAFT METDEK 855  
 LUG SYSTEM WITH 14G x  
 42mm SCREW

STRUCTURAL STEEL  
 FRAMING BY ENGINEER

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## FLUSH EAVE WITH PAN FIXED GUTTER

COMMERCIAL ROOFING



Metdek 855

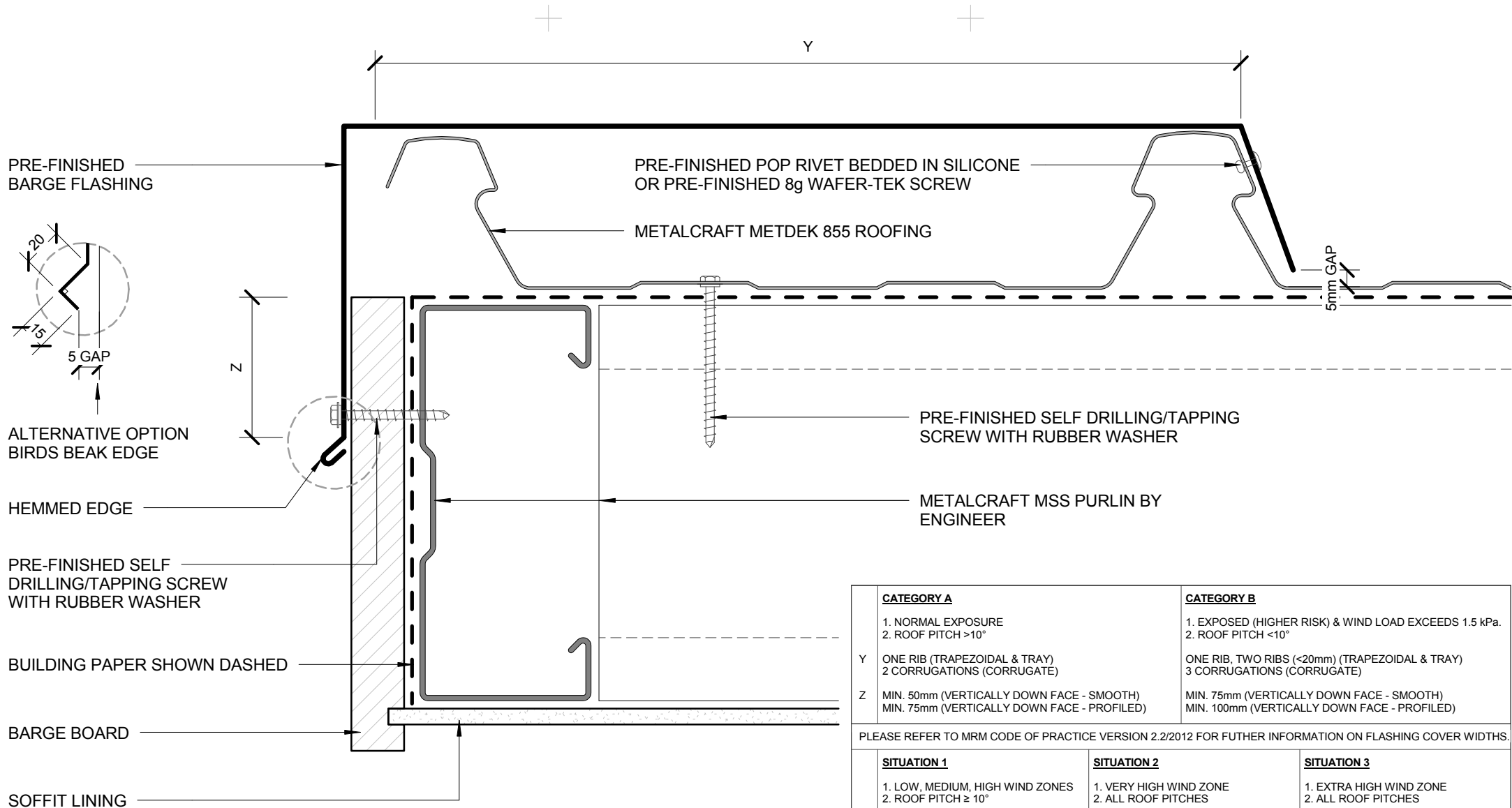
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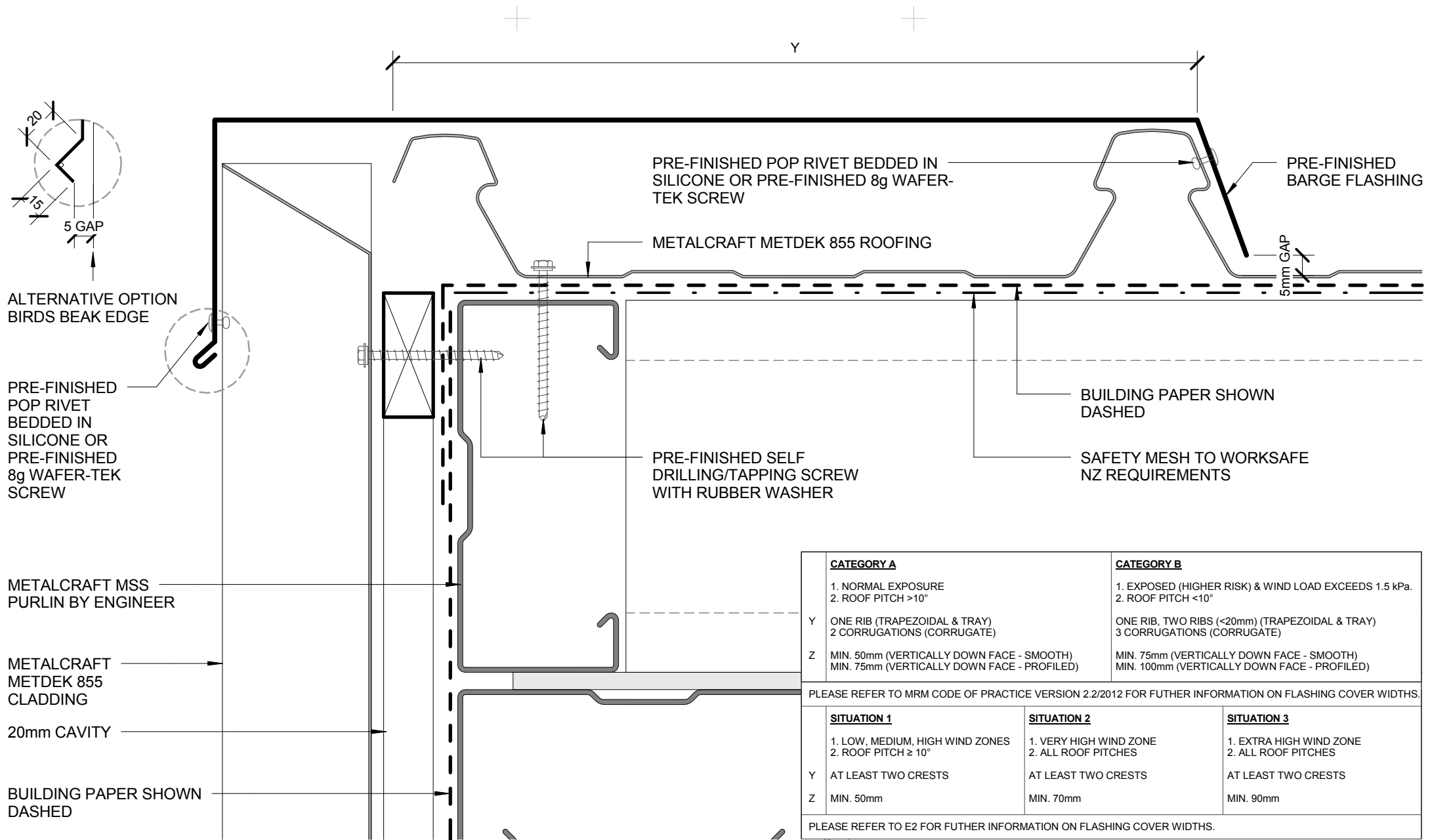


<u>CATEGORY A</u>		<u>CATEGORY B</u>
	1. NORMAL EXPOSURE 2. ROOF PITCH >10°	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10°
Y	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS (CORRUGATE)	ONE RIB, TWO RIBS (<20mm) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS (CORRUGATE)
Z	MIN. 50mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 75mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 100mm (VERTICALLY DOWN FACE - PROFILED)
PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012 FOR FUTURE INFORMATION ON FLASHING COVER WIDTHS.		
<u>SITUATION 1</u>	<u>SITUATION 2</u>	<u>SITUATION 3</u>
1. LOW, MEDIUM, HIGH WIND ZONES 2. ROOF PITCH ≥ 10°	1. VERY HIGH WIND ZONE 2. ALL ROOF PITCHES	1. EXTRA HIGH WIND ZONE 2. ALL ROOF PITCHES
Y AT LEAST TWO CRESTS	Y AT LEAST TWO CRESTS	Y AT LEAST TWO CRESTS
Z MIN. 50mm	Z MIN. 70mm	Z MIN. 90mm
PLEASE REFER TO E2 FOR FUTURE INFORMATION ON FLASHING COVER WIDTHS.		

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## BARGE WITH PROFILED CLADDING

### COMMERCIAL ROOFING

Metdek 855

Reference CRMD855

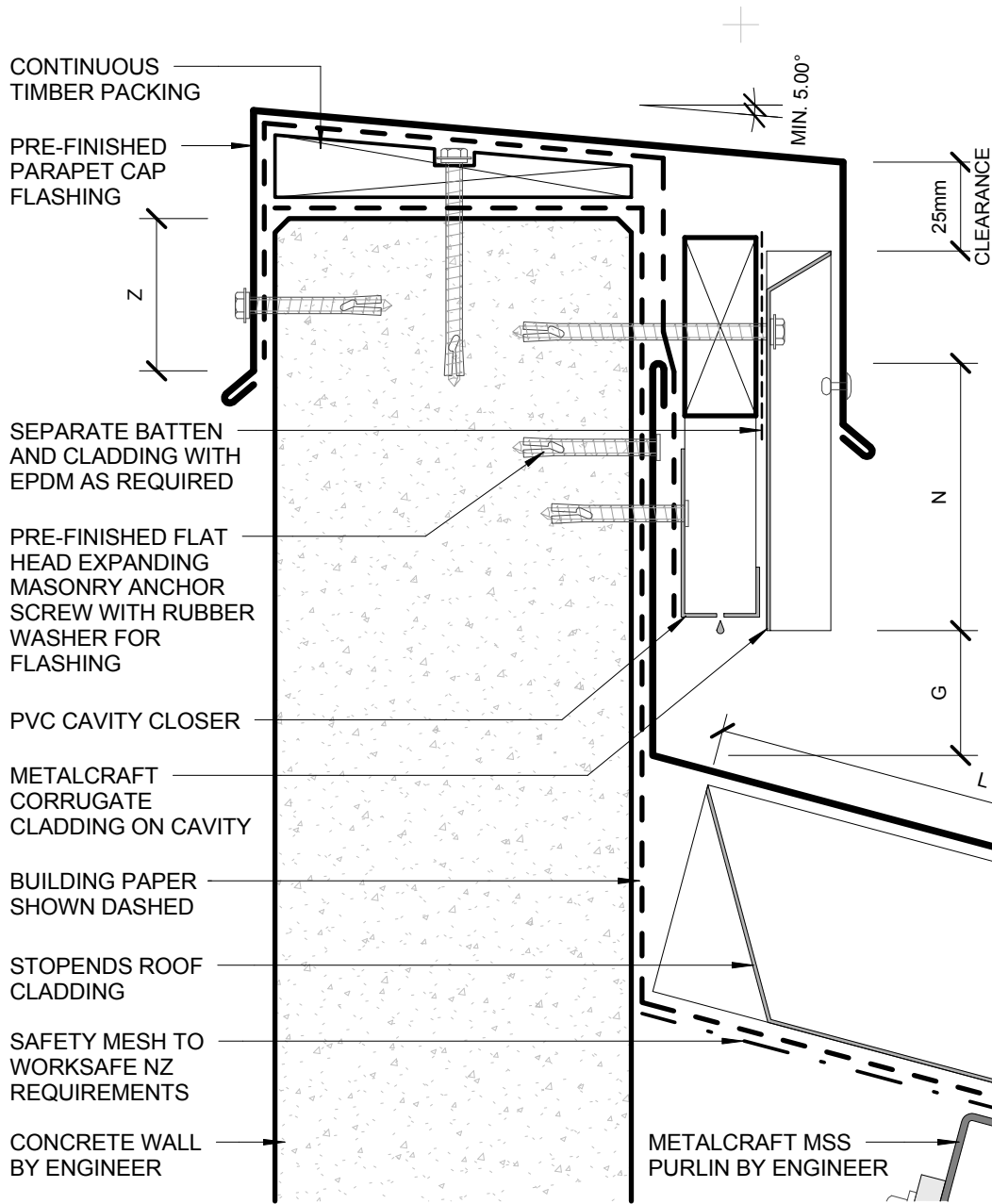
Date 2014

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	<b>CATEGORY A</b>	<b>CATEGORY B</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)

PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

	<b>SITUATION 1</b>	<b>SITUATION 2</b>	<b>SITUATION 3</b>
	1. LOW, MEDIUM, HIGH WIND ZONES 2. ROOF PITCH ≥ 10°	1. VERY HIGH WIND ZONE 2. ALL ROOF PITCHES	1. EXTRA HIGH WIND ZONE 2. ALL ROOF PITCHES
G	MIN. 35mm	MIN. 35mm	MIN. 35mm
N	MIN. 75mm	MIN. 75mm	MIN. 75mm
L	MIN. 130mm (EXCLUDING ANY NOTCHED EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY NOTCHED EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm
Z	MIN. 50mm	MIN. 70mm	MIN. 90mm

PLEASE REFER TO E2 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

\* METDEK 855  
MIN. ROOF PITCH = 3°

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

METALCRAFT METDEK 855 ROOFING

METALCRAFT METDEK 855 LUG SYSTEM WITH 14G x 42mm SCREW

PRE-FINISHED APRON FLASHING NOTCHED EDGE DRESSED OVER METDEK 855 RIBS

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## PARAPET WITH TRANSVERSE APRON COMMERCIAL ROOFING

Metdek 855

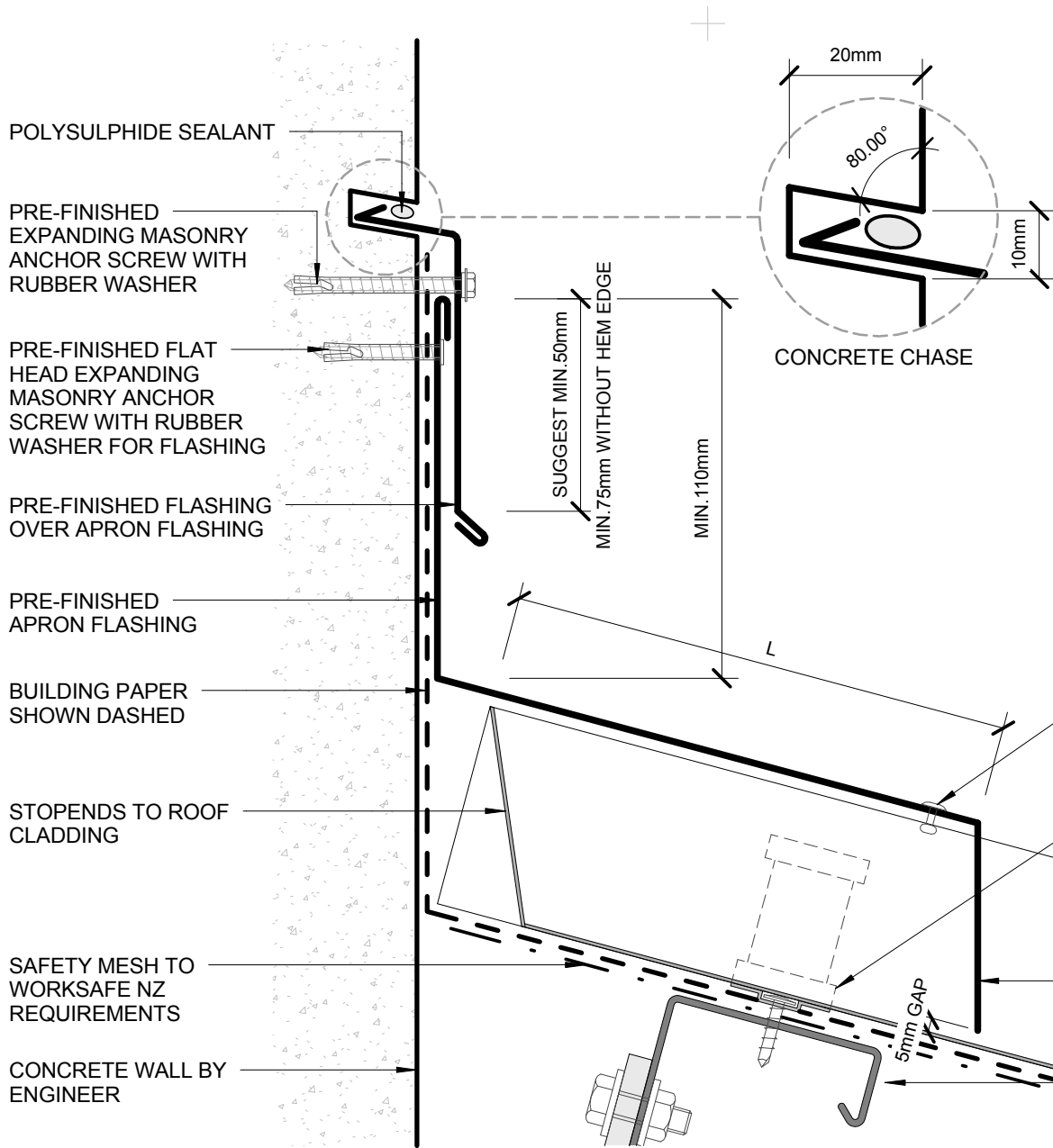
Reference CRMD855

Date 2014

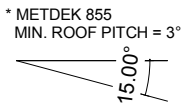
Scale 1 : 2

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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°	
L	MIN. 150mm	MIN. 200mm	
PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.			
SITUATION 1		SITUATION 2	SITUATION 3
1. LOW, MEDIUM, HIGH WIND ZONES 2. ROOF PITCH ≥ 10°		1. VERY HIGH WIND ZONE 2. ALL ROOF PITCHES	1. EXTRA HIGH WIND ZONE 2. ALL ROOF PITCHES
L	MIN. 130mm (EXCLUDING ANY NOTCHED EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDING ANY NOTCHED EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm
PLEASE REFER TO E2 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.			



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## TRANSVERSE APRON COMMERCIAL ROOFING



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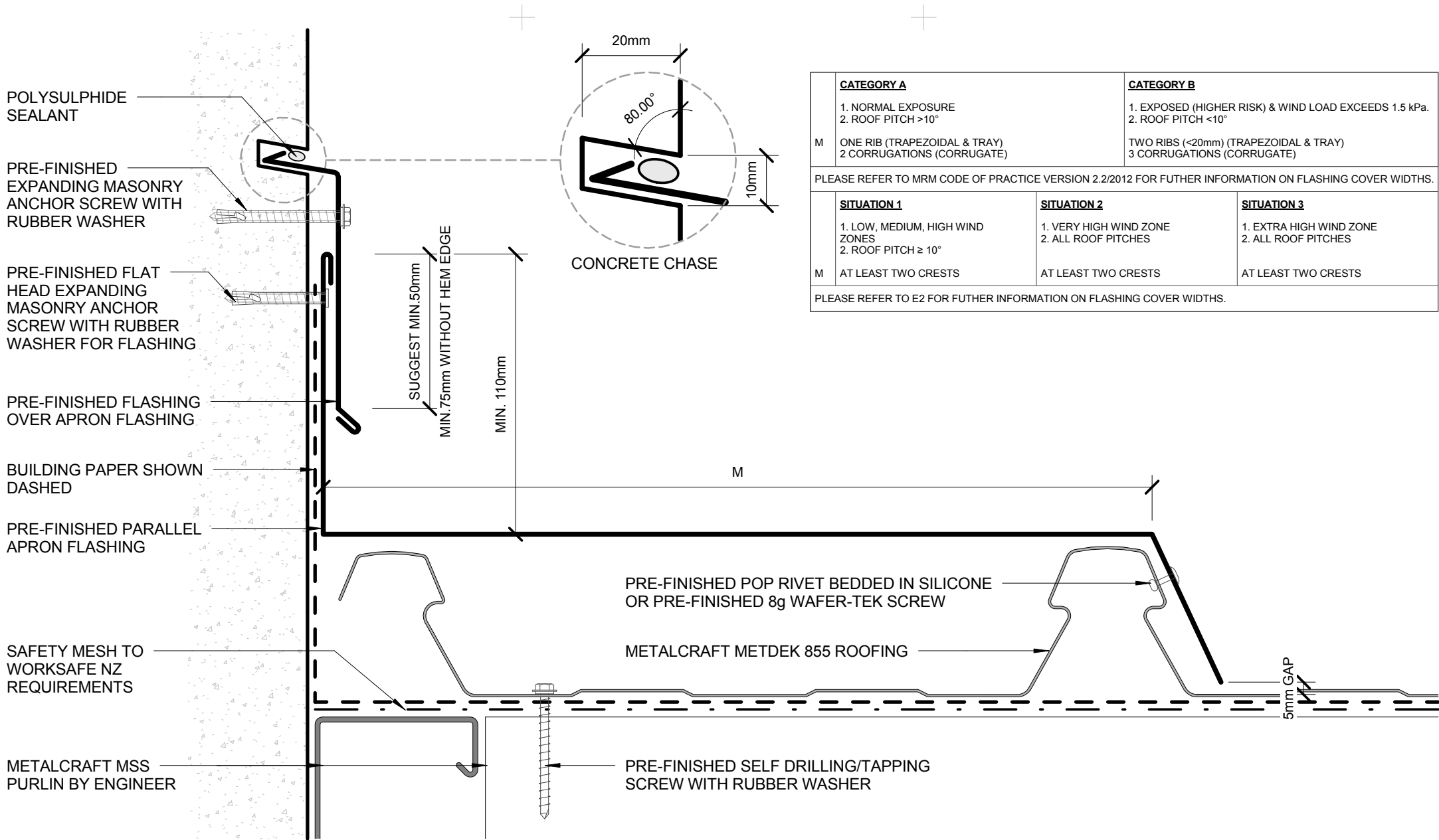
Reference CRMD855

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Scale 1 : 2

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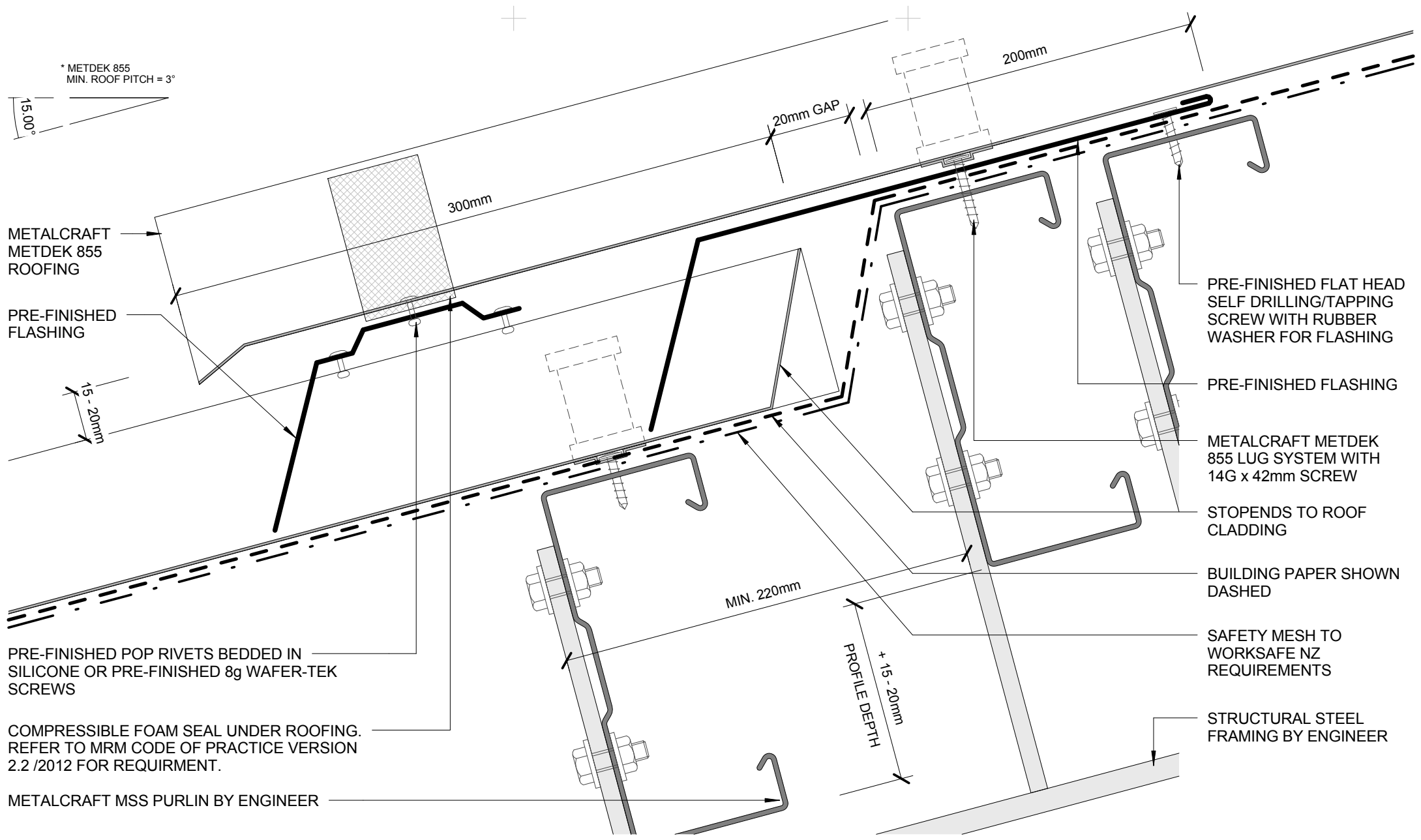
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<b>CATEGORY A</b>		<b>CATEGORY B</b>
1. NORMAL EXPOSURE 2. ROOF PITCH >10°		1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10°
M	ONE RIB (TRAPEZOIDAL & TRAY) 2 CORRUGATIONS (CORRUGATE)	TWO RIBS (<20mm) (TRAPEZOIDAL & TRAY) 3 CORRUGATIONS (CORRUGATE)
PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.		
<b>SITUATION 1</b>	<b>SITUATION 2</b>	<b>SITUATION 3</b>
1. LOW, MEDIUM, HIGH WIND ZONES 2. ROOF PITCH ≥ 10°	1. VERY HIGH WIND ZONE 2. ALL ROOF PITCHES	1. EXTRA HIGH WIND ZONE 2. ALL ROOF PITCHES
M	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS
PLEASE REFER TO E2 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.		

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MIN. ROOF PITCH = 3°

METALCRAFT  
METDEK 855  
ROOFING

PRE-FINISHED  
FLASHING

PRE-FINISHED POP RIVETS BEDDED IN  
SILICONE OR PRE-FINISHED 8g WAFER-TEK  
SCREWS

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

METALCRAFT MSS PURLIN BY ENGINEER

20mm GAP

200mm

300mm

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

PRE-FINISHED FLASHING

METALCRAFT METDEK  
855 LUG SYSTEM WITH  
14G x 42mm SCREW

STOPENDS TO ROOF  
CLADDING

BUILDING PAPER SHOWN  
DASHED

SAFETY MESH TO  
WORKSAFE NZ  
REQUIREMENTS

STRUCTURAL STEEL  
FRAMING BY ENGINEER

MIN. 220mm

PROFILE DEPTH  
+ 15-20mm

- 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.

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. 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.

Metdek 855

ROOF STEP  
COMMERCIAL ROOFING

Reference CRMD855

Date 2014

Scale 1 : 2

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FIXING WITH PROFILED WASHER AND EPDM WASHER

METALCRAFT METDEK 855 TRANSLUCENT SHEET

PURLIN PROTECTION

METALCRAFT MSS PURLIN BY ENGINEER

SAFETY MESH TO WORKSAFE NZ REQUIREMENTS

MID SPAN SUPPORT

PURLIN TAPE BARRIER STRIP

STRUCTURAL STEEL FRAMING BY ENGINEER

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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.



## TRANSLUCENT SHEETS - LONG SECTION COMMERCIAL ROOFING

Metdek 855

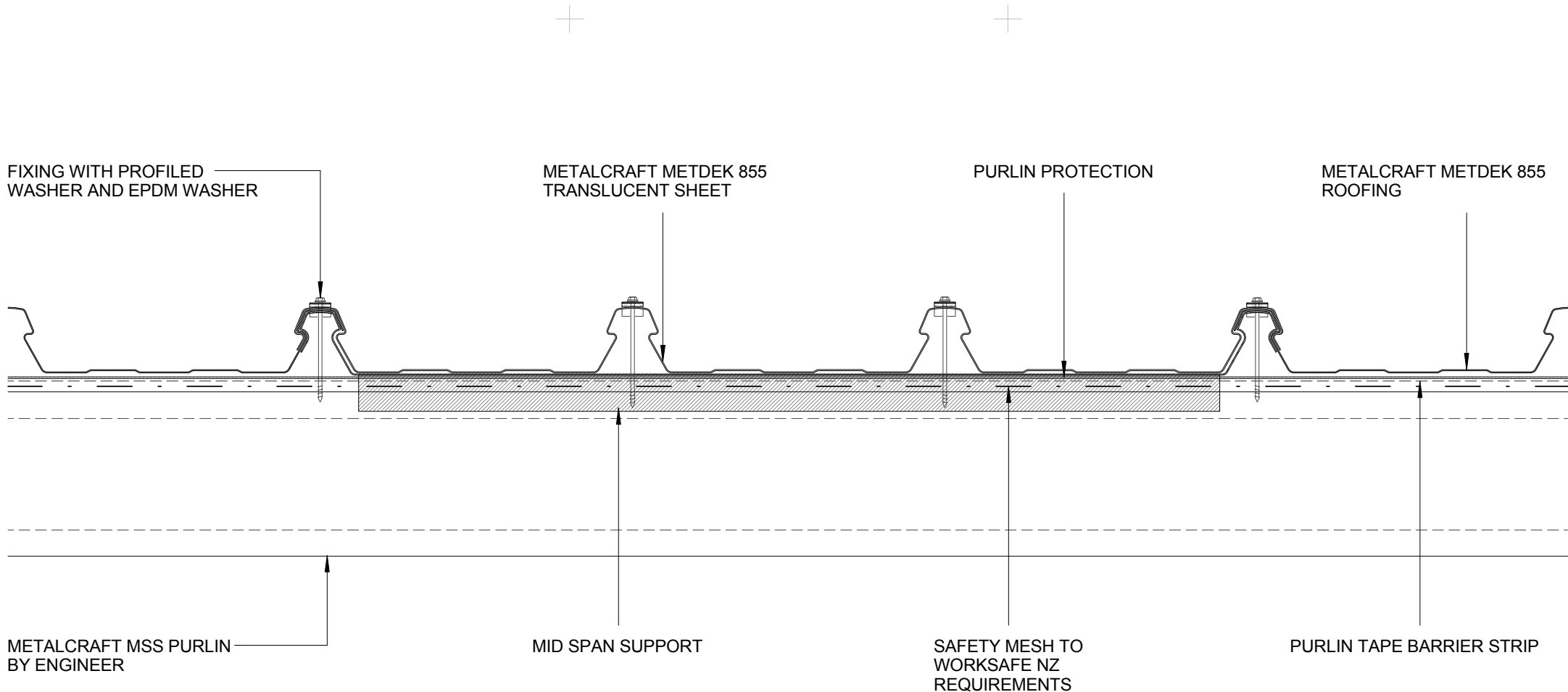
Reference CRMD855

Date 2014

Scale 1 : 5

Sheet

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- 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.

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. 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.

## TRANSLUCENT SHEETS - CROSS

COMMERCIAL ROOFING

Metdek 855

Reference CRMD855

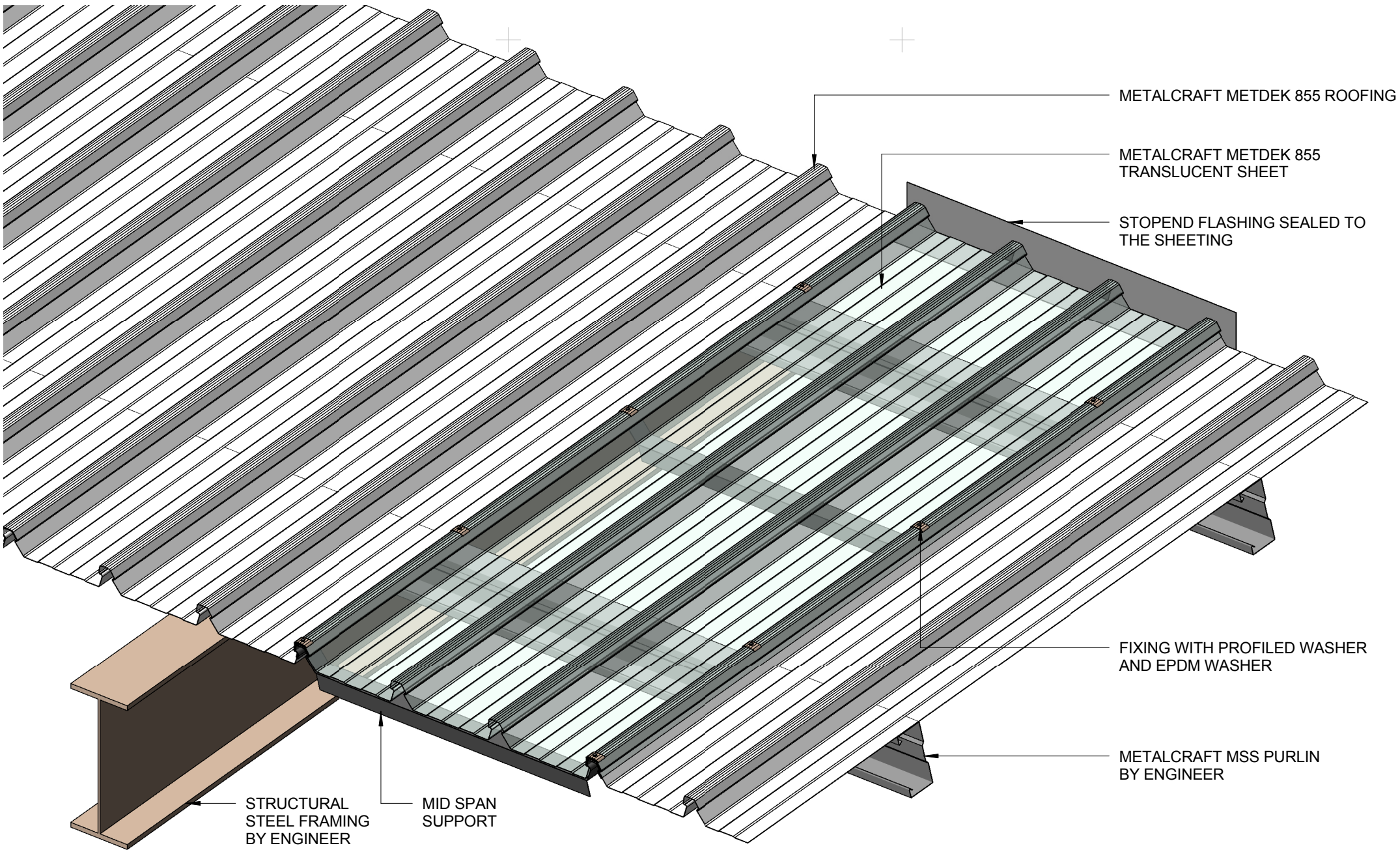
Date 2014

Scale 1 : 5

Sheet

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METALCRAFT METDEK 855 ROOFING

METALCRAFT METDEK 855 TRANSLUCENT SHEET

STOPEND FLASHING SEALED TO THE SHEETING

FIXING WITH PROFILED WASHER AND EPDM WASHER

METALCRAFT MSS PURLIN BY ENGINEER

STRUCTURAL STEEL FRAMING BY ENGINEER

MID SPAN SUPPORT

**3D TRANSLUCENT SHEETS**  
COMMERCIAL ROOFING