Met-Therm[™] - Espan[®] 340 on KAHU[®]

<u>DETAIL LIST</u>		<u>Revision</u>	Date
D 00 / 13	COVER SHEET		
D 01 / 13	RIDGE WITH NON PROFILED APEX	1.0	OCT 2024
D 02 / 13	RIDGE WITH PROFILED APEX	1.0	OCT 2024
D 03 / 13	SAWTOOTH RIDGE	1.0	OCT 2024
D 04 / 13	INTERNAL GUTTER	1.0	OCT 2024
D 05 / 13	FLUSH EAVE WITH EXTERNAL GUTTER BRACKET	1.0	OCT 2024
D 06 / 13	BARGE WITH PROFILED CLADDING	1.0	OCT 2024
D 07 / 13	PARAPET WITH TRANSVERSE APRON	1.0	OCT 2024
D 08 / 13	PARALLEL APRON	1.0	OCT 2024
D 09 / 13	ROOF STEP	1.0	OCT 2024
D 10 / 13	COLD PIPE PENETRATION	1.0	OCT 2024
D 11 / 13	SKYLIGHT PENETRATION 01	1.0	OCT 2024
D 12 / 13	SKYLIGHT PENETRATION 02	1.0	OCT 2024
D 13 / 13	TYPICAL CROSS SECTION	1.0	OCT 2024

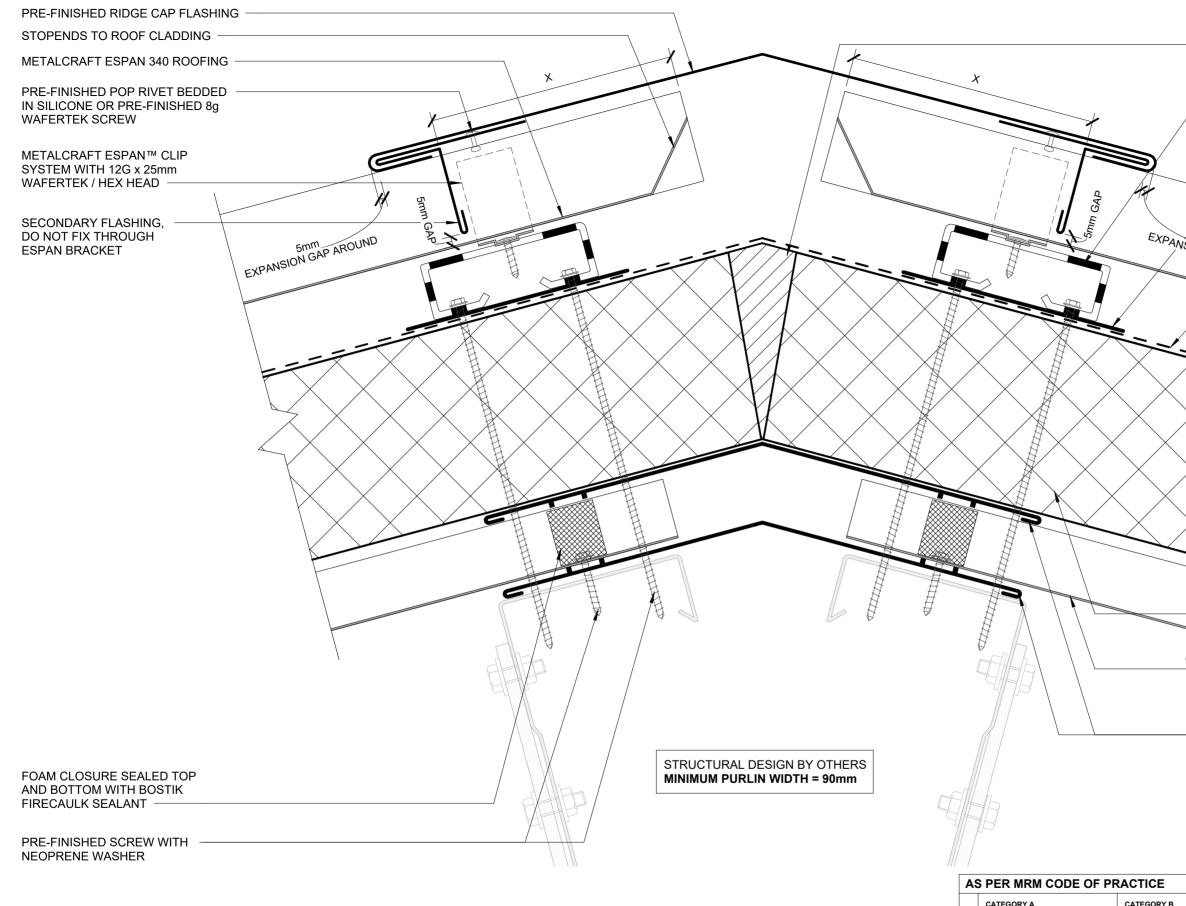




WARM ROOFING DETAILS

STANDARD INSTALLATION DETAILS, IF INTERNAL SPREAD OF FLAME IS REQUIRED REFER BRANZ TEST REPORT AND OPINION. **REQUIRES SIGN OFF FROM FIRE ENGINEER**





		OATEOORTD
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES	VERY HIGH WIND PITCH <8°
	VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	EXTRA HIGH WINI ROOF PITCHES
х	MIN. 130mm	MIN. 200mm

*FOR PIR BOARD & UNDERLAY OPTIONS REFER TO BUILDING PRODUCT INFORMATION SHEET (BPIS) WWW.METALCRAFTGROUP.CO.NZ



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Met-Therm[™] - Espan[®] 340 on KAHU[®]

	* ESPAN 340 MIN. ROOF PITCH = 3°
	FIRE RETARDANT FOAM INFILL (EXPANDING FOAM)
	MET-THERM® Batten WITH VENTILATION HOLES
	PRO CLIMA TESCON NAIDECK TAPE
SION SION	
SION GAP AROUND	UNDERLAY FULLY TAPED REFER NOTE
\times	
	*PIR BOARD INSULATION REFER NOTE
/	METALCRAFT KAHU ROOFING REVERSE LAID AND TAPED LAPS
	0.55 BMT STEEL FLASHING CONTINUOUS

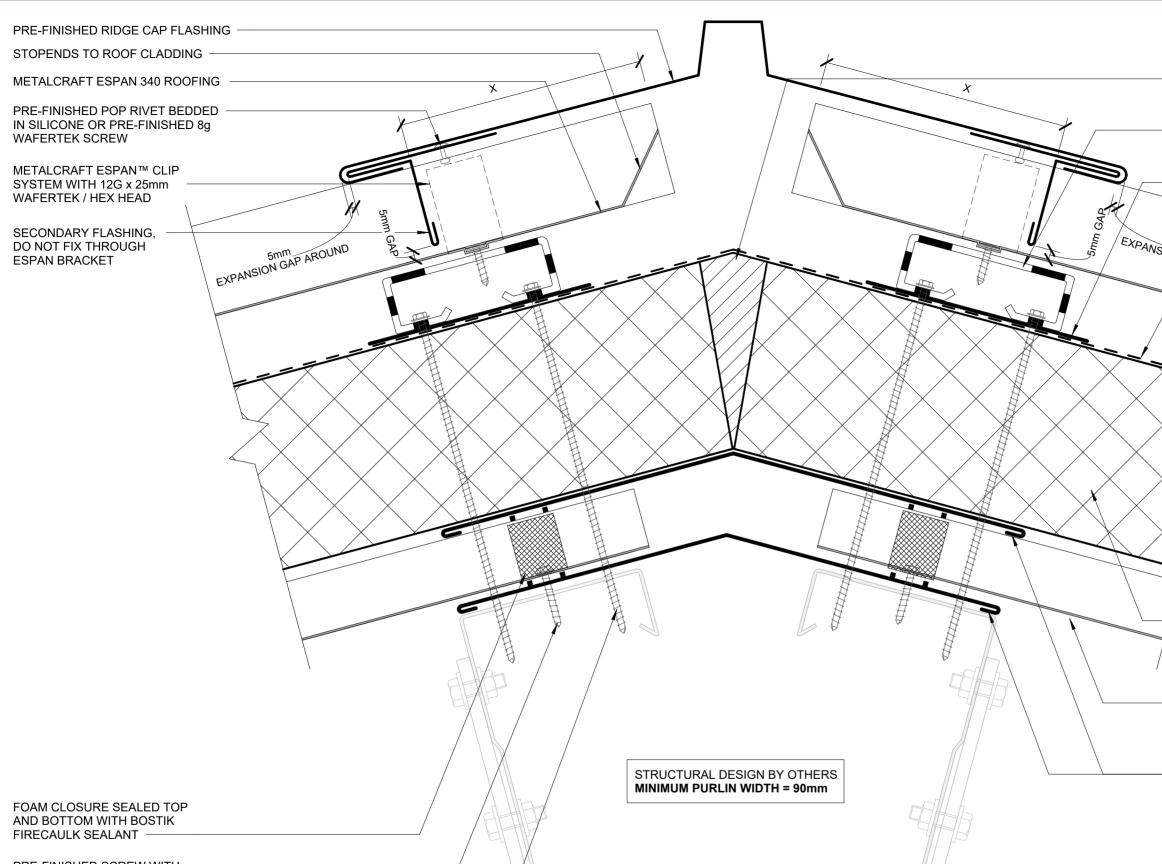
	CATEGORY C	CATEGORY D
D ZONES ROOF	SED WIND ZONES UP TO 60 m/s	SED WIND ZONES UP TO 68 m/s
ND ZONES -ALL	ALL ROOF PITCH	ALL ROOF PITCH
	MIN. 200mm	MIN. 200mm + BAFFLE (REFER NZ MRM COP)

RIDGE WITH NON PROFILED APEX Rev. 1.0 WARM ROOFING DETAILS

Date OCT 2024

Scale 1 : 2

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PRE-FINISHED SCREW WITH NEOPRENE WASHER

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	CATEGORY A	CATEGORY B
	LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES	VERY HIGH WIND 2 PITCH <8°
	VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10°	EXTRA HIGH WIND ROOF PITCHES
х	MIN. 130mm	MIN. 200mm

Met-Therm[™] - Espan[®] 340 on KAHU[®]

5mm SION GAP AR		 FIRE RETARDANT FOAM INFILL (EXPANDING FOAM) MET-THERM® Batten WITH VENTILATION HOLES PRO CLIMA TESCON NAIDECK TAPE
		UNDERLAY FULLY TAPED REFER NOTE
		*PIR BOARD INSULATION REFER NOTE
		METALCRAFT KAHU ROOFING REVERSE LAID AND TAPED LAPS
		0.55 BMT STEEL FLASHING CONTINUOUS
	CATEGORY C	CATEGORY D
ZONES ROOF	SED WIND ZONES UP TO 60 m/s ALL ROOF PITCH	SED WIND ZONES UP TO 68 m/s
2 ZONES -ALL	MIN. 200mm	MIN. 200mm + BAFFLE (REFER NZ MRM COP)
	_	-

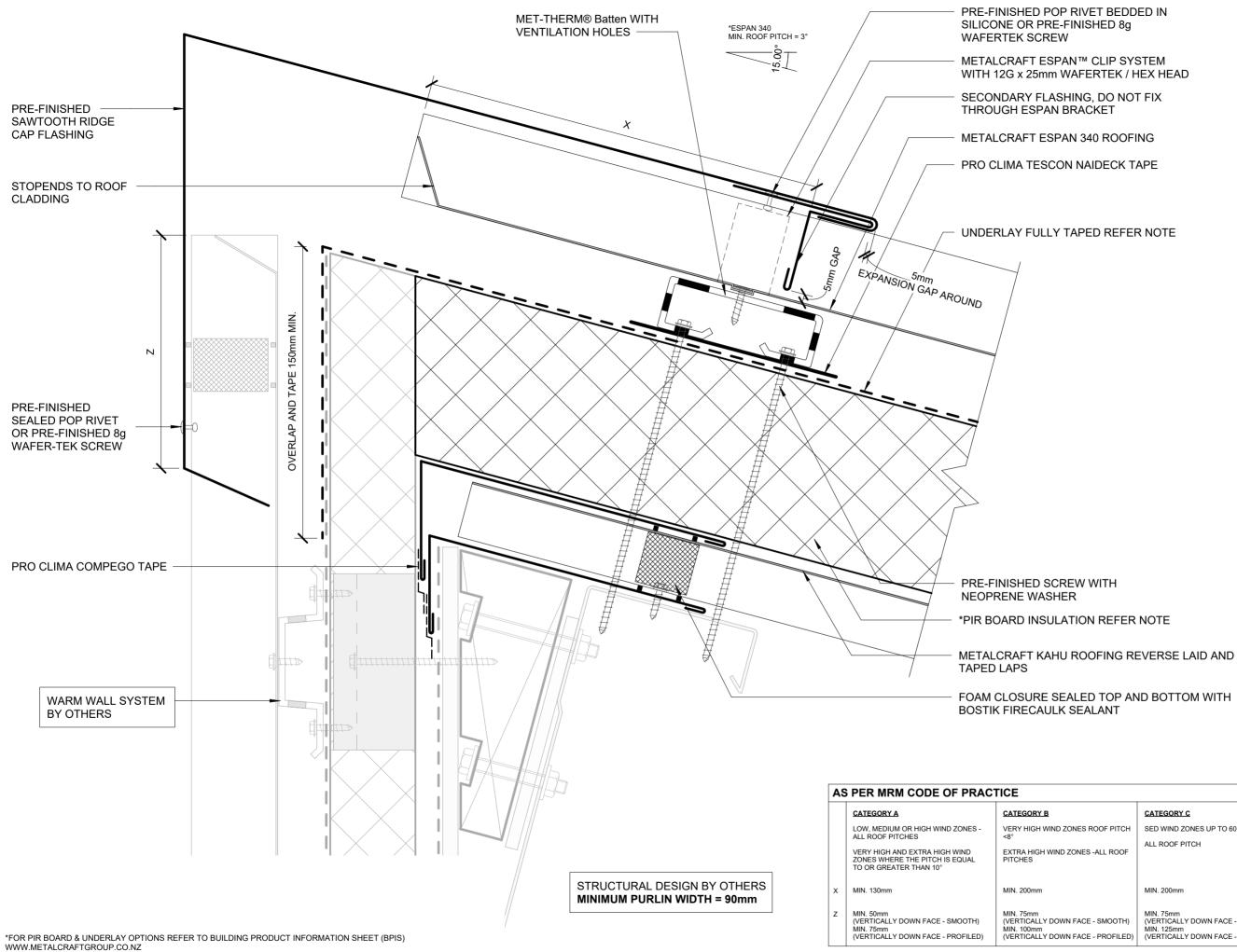
RIDGE WITH PROFILED APEX WARM ROOFING DETAILS

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Date OCT 2024

Rev. 1.0

Scale 1 : 2



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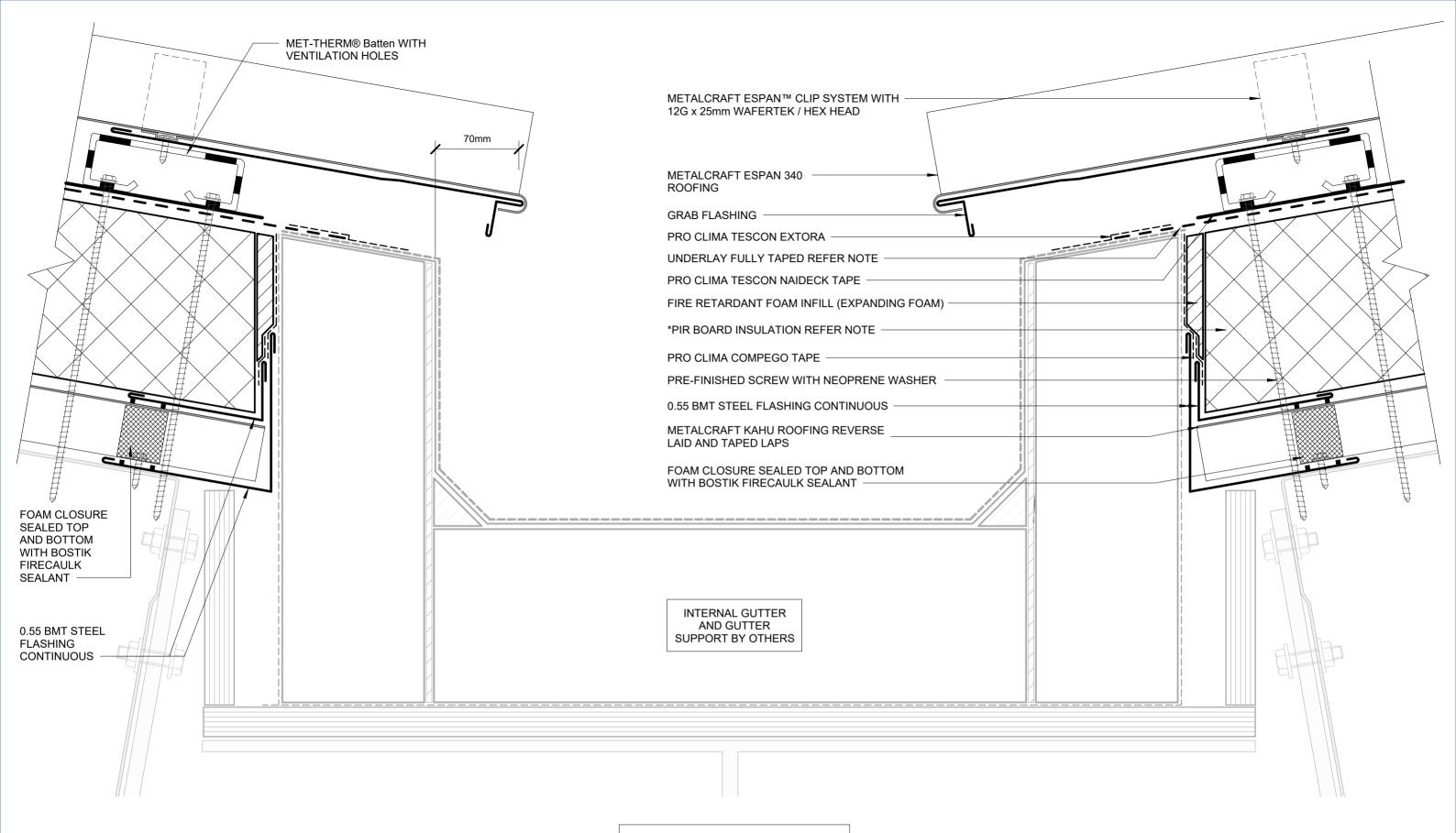
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Met-Therm[™] - Espan[®] 340 on KAH

Reference CRMTEP

	CATEGORY C	CATEGORY D
OOF PITCH	SED WIND ZONES UP TO 60 m/s	SED WIND ZONES UP TO 68 m/s
ALL ROOF	ALL ROOF PITCH	ALL ROOF PITCH
	MIN. 200mm	MIN. 200mm + BAFFLE (REFER NZ MRM COP)
SMOOTH)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm
PROFILED)	(VERTICALLY DOWN FACE - PROFILED)	(VERTICALLY DOWN FACE - PROFILED)
		SAWTOOTH RIDGE
HU®	Rev. 1.0	WARM ROOFING DETAILS
	Date OCT 2024 Scale 1	: 2 Sheet D 03 / 13



STRUCTURAL DESIGN BY OTHERS MINIMUM PURLIN WIDTH = 90mm

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Met-Therm[™] - Espan[®] 340 on KAHU[®]

Reference CRMTEP

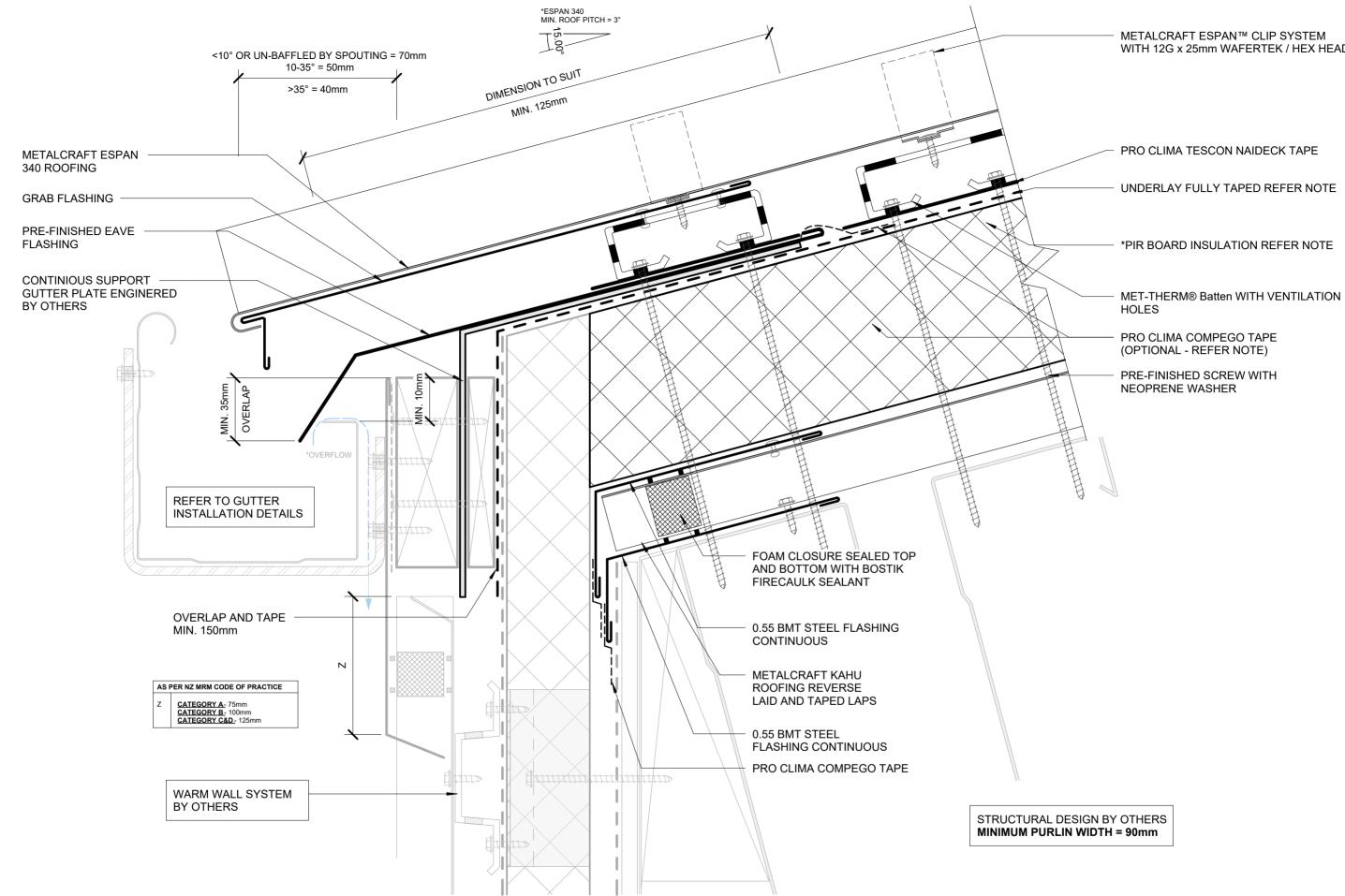
INTERNAL GUTTER WARM ROOFING DETAILS

U® Rev. 1.0

Sheet D 04 / 13

Date OCT 2024

Scale 1 : 2



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FLUSH EAVE WITH EXTERNAL GUTTER BRACKET WARM ROOFING DETAILS Met-Therm[™] - Espan[®] 340 on KAHU[®] Rev. 1.0

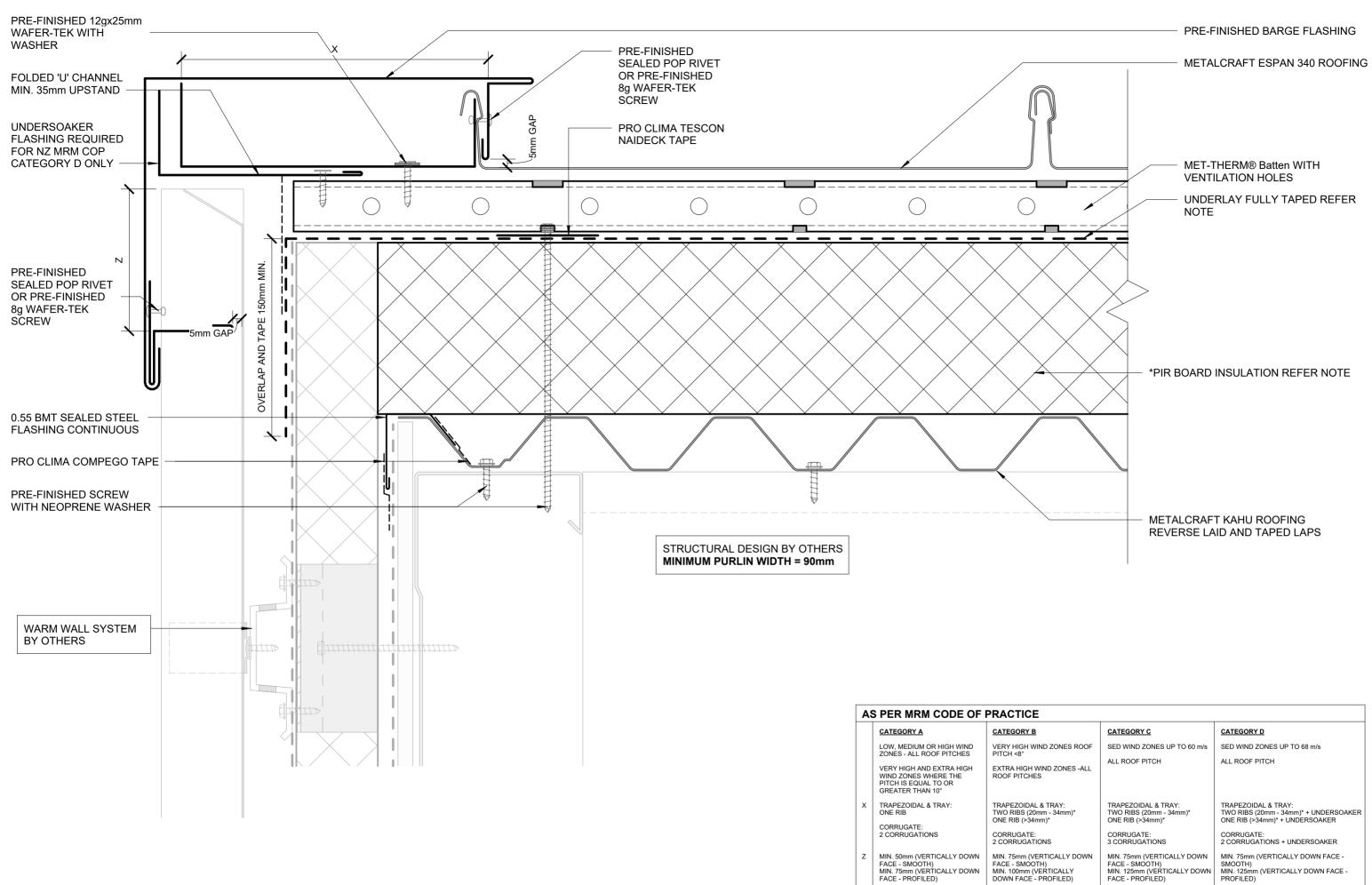
Reference CRMTEP

WITH 12G x 25mm WAFERTEK / HEX HEAD

Date OCT 2024

Scale 1 : 2

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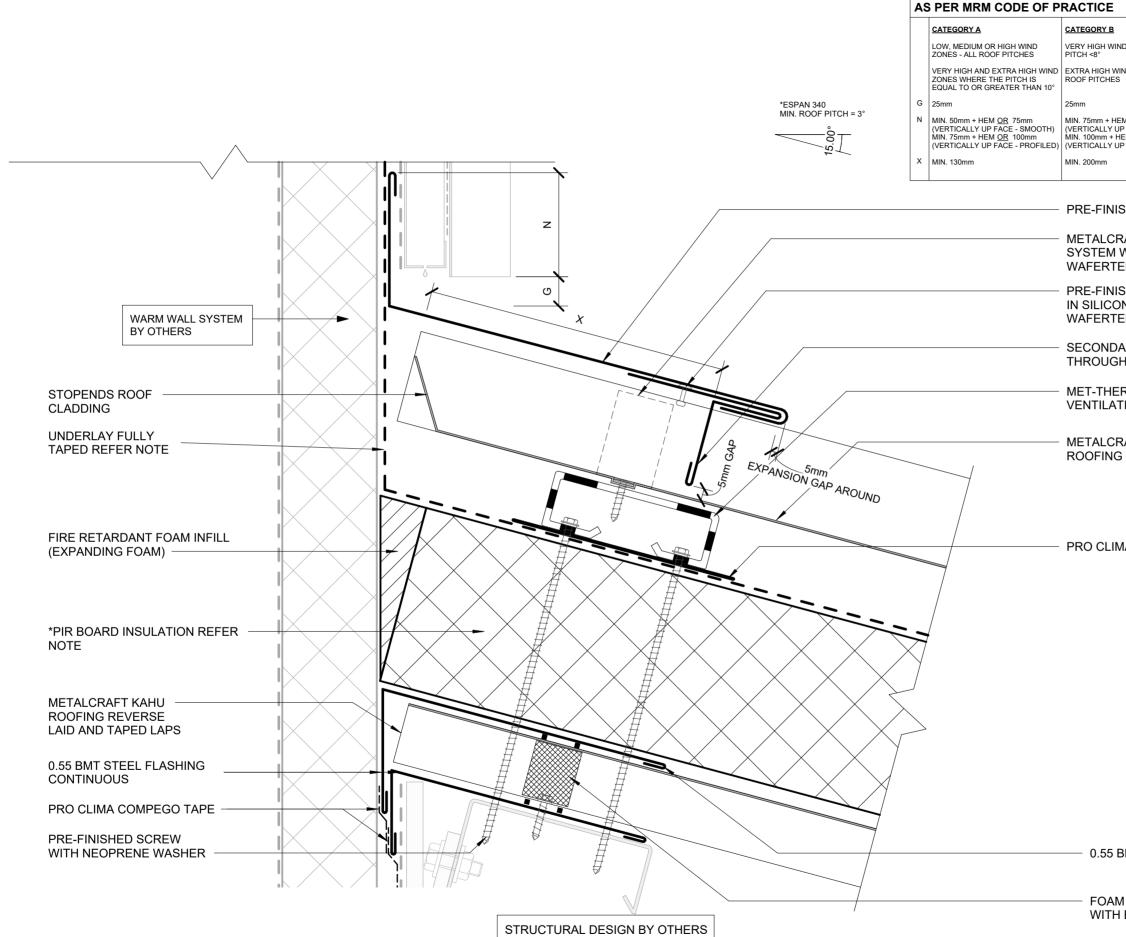
* RIB HEIGHT OF PROFILE OR TURNUP

	CATEGORY C	CATEGORY D
ONES ROOF	SED WIND ZONES UP TO 60 m/s	SED WIND ZONES UP TO 68 m/s
ZONES -ALL	ALL ROOF PITCH	ALL ROOF PITCH
RAY: 34mm)*	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB (>34mm)*	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* + UNDERSOAKER ONE RIB (>34mm)* + UNDERSOAKER
	CORRUGATE: 3 CORRUGATIONS	CORRUGATE: 2 CORRUGATIONS + UNDERSOAKER
CALLY DOWN ICALLY FILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 125mm (VERTICALLY DOWN FACE - PROFILED)

BARGE WITH PROFILED CLADDING WARM ROOFING DETAILS Rev. 1.0

Scale 1:2





MINIMUM PURLIN WIDTH = 90mm

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Met-Therm[™] - Espan[®] 340 on KAHU[®]

Reference CRMTEP

ICE		
ORY B	CATEGORY C	CATEGORY D
IIGH WIND ZONES ROOF	SED WIND ZONES UP TO 60 m/s	SED WIND ZONES UP TO 68 m/s
HIGH WIND ZONES -ALL PITCHES	ALL ROOF PITCH	ALL ROOF PITCH
	25mm	25mm
mm + HEM <u>OR</u> 100mm CALLY UP FACE - SMOOTH) 0mm + HEM <u>OR</u> 125mm CALLY UP FACE - PROFILED)	MIN. 100mm + HEM <u>OR</u> 125mm (VERTICALLY UP FACE - SMOOTH) MIN. 125mm + HEM (VERTICALLY UP FACE - PROFILED)	MIN. 100mm + HEM <u>OR</u> 125mm (VERTICALLY UP FACE - SMOOTH) MIN. 125mm + HEM (VERTICALLY UP FACE - PROFILED)
0mm	MIN. 200mm + BAFFLE (REFER NZ MRM COP)	MIN. 200mm + BAFFLE (REFER NZ MRM COP)

PRE-FINISHED APRON FLASHING

METALCRAFT ESPAN™ CLIP SYSTEM WITH 12G x 25mm WAFERTEK / HEX HEAD

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

SECONDARY FLASHING, DO NOT FIX THROUGH ESPAN BRACKET

MET-THERM® Batten WITH VENTILATION HOLES

METALCRAFT ESPAN 340 ROOFING

PRO CLIMA TESCON NAIDECK TAPE

0.55 BMT STEEL FLASHING CONTINUOUS

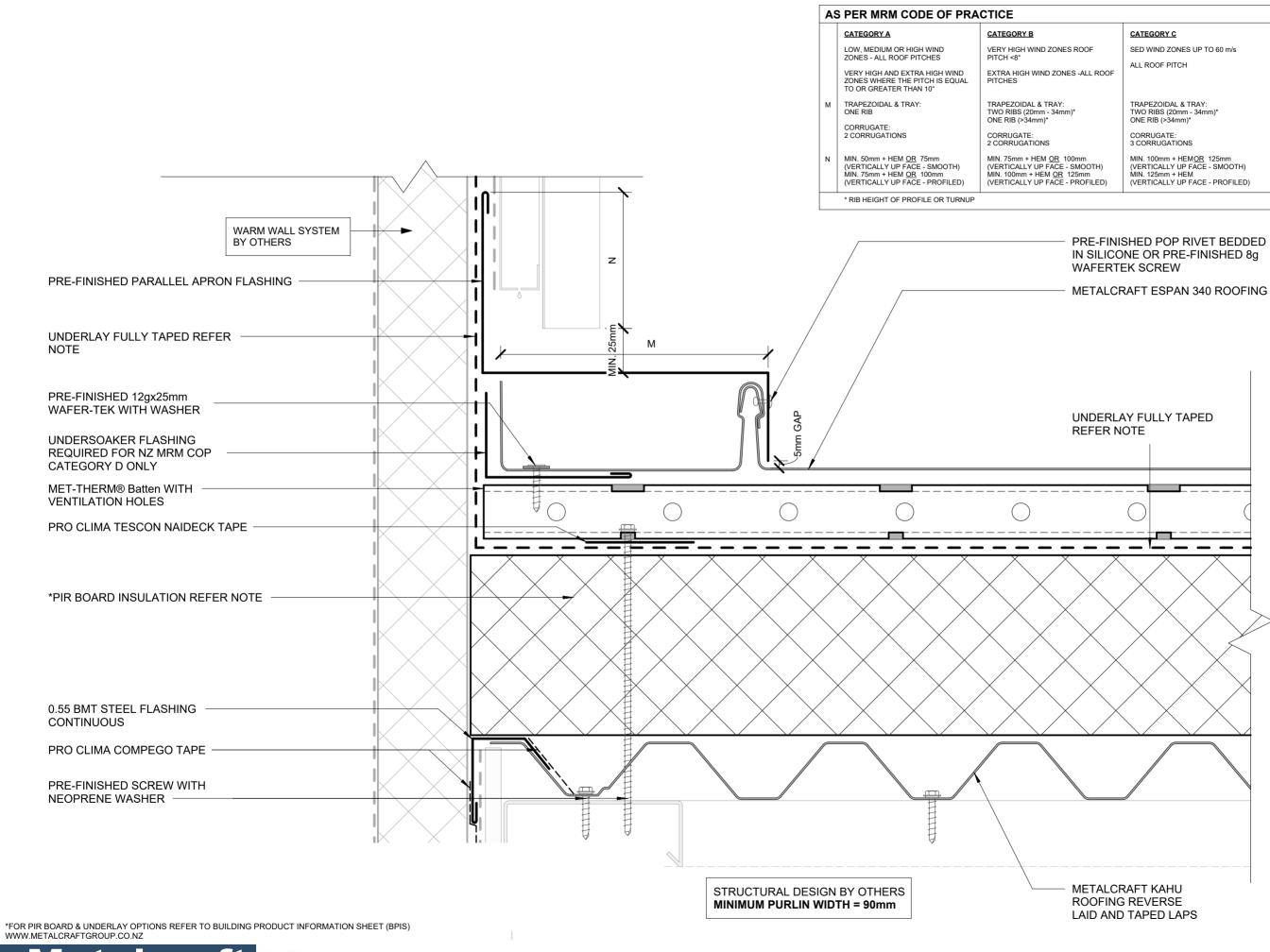
FOAM CLOSURE SEALED TOP AND BOTTOM WITH BOSTIK FIRECAULK SEALANT

PARAPET WITH TRANSVERSE APRON Rev. 1.0 WARM ROOFING DETAILS

Date OCT 2024

Scale 1:2

Sheet D 07 / 13





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Met-Therm[™] - Espan[®] 340 on KAHU[®]

Reference CRMTEP

	CATEGORY C	CATEGORY D
	SED WIND ZONES UP TO 60 m/s	SED WIND ZONES UP TO 68 m/s
)F	ALL ROOF PITCH	ALL ROOF PITCH
r-		
	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB (>34mm)*	TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* + UNDERSOAKER ONE RIB (>34mm)* + UNDERSOAKER
	CORRUGATE: 3 CORRUGATIONS	CORRUGATE: 2 CORRUGATIONS + UNDERSOAKER
	MIN. 100mm + HEM <u>OR</u> 125mm (VERTICALLY UP FACE - SMOOTH) MIN. 125mm + HEM (VERTICALLY UP FACE - PROFILED)	MIN. 100mm + HEM <u>OR</u> 125mm (VERTICALLY UP FACE - SMOOTH) MIN. 125mm + HEM (VERTICALLY UP FACE - PROFILED)

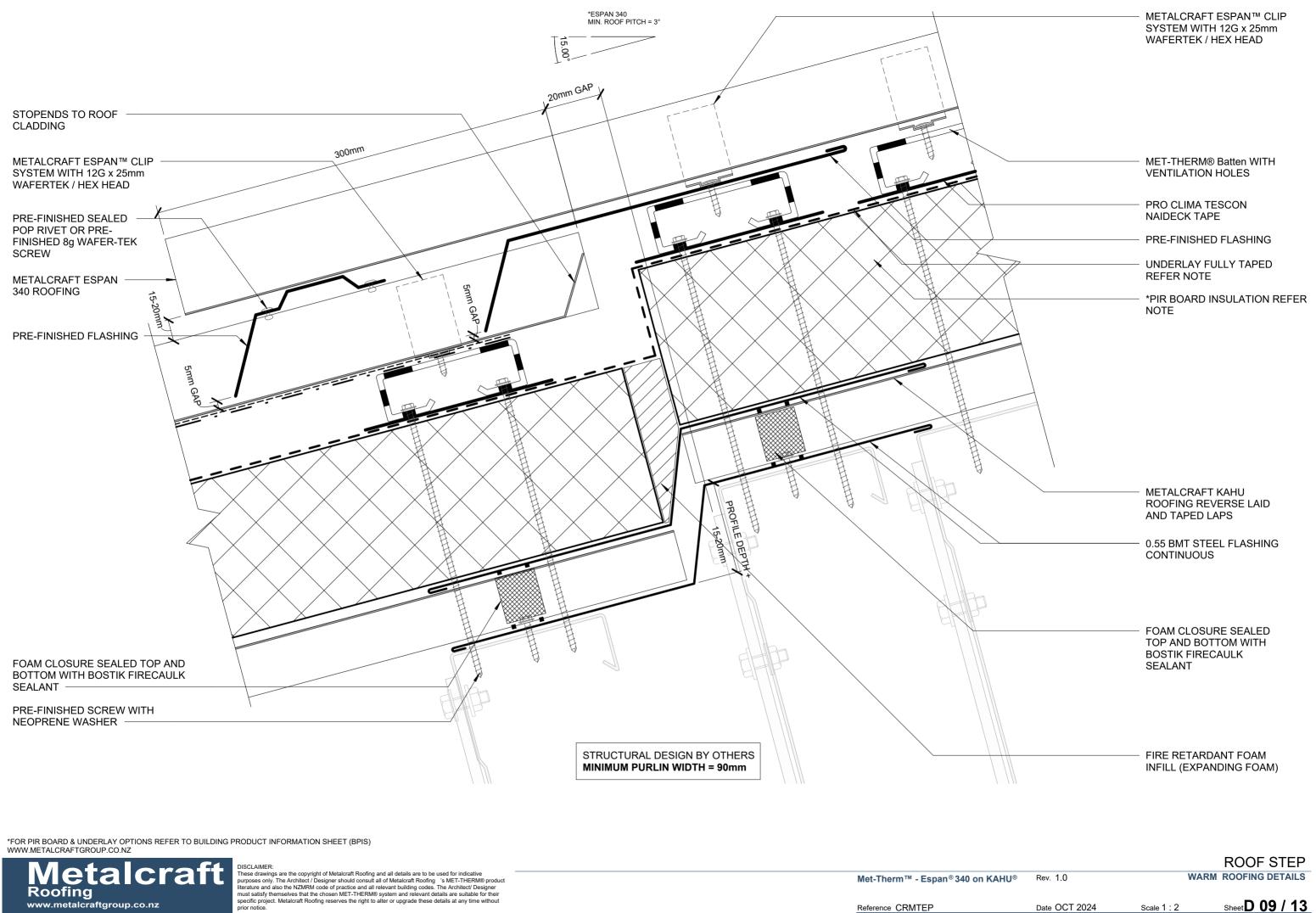
Rev. 1.0

PARALLEL APRON WARM ROOFING DETAILS

Date OCT 2024

Scale 1:2

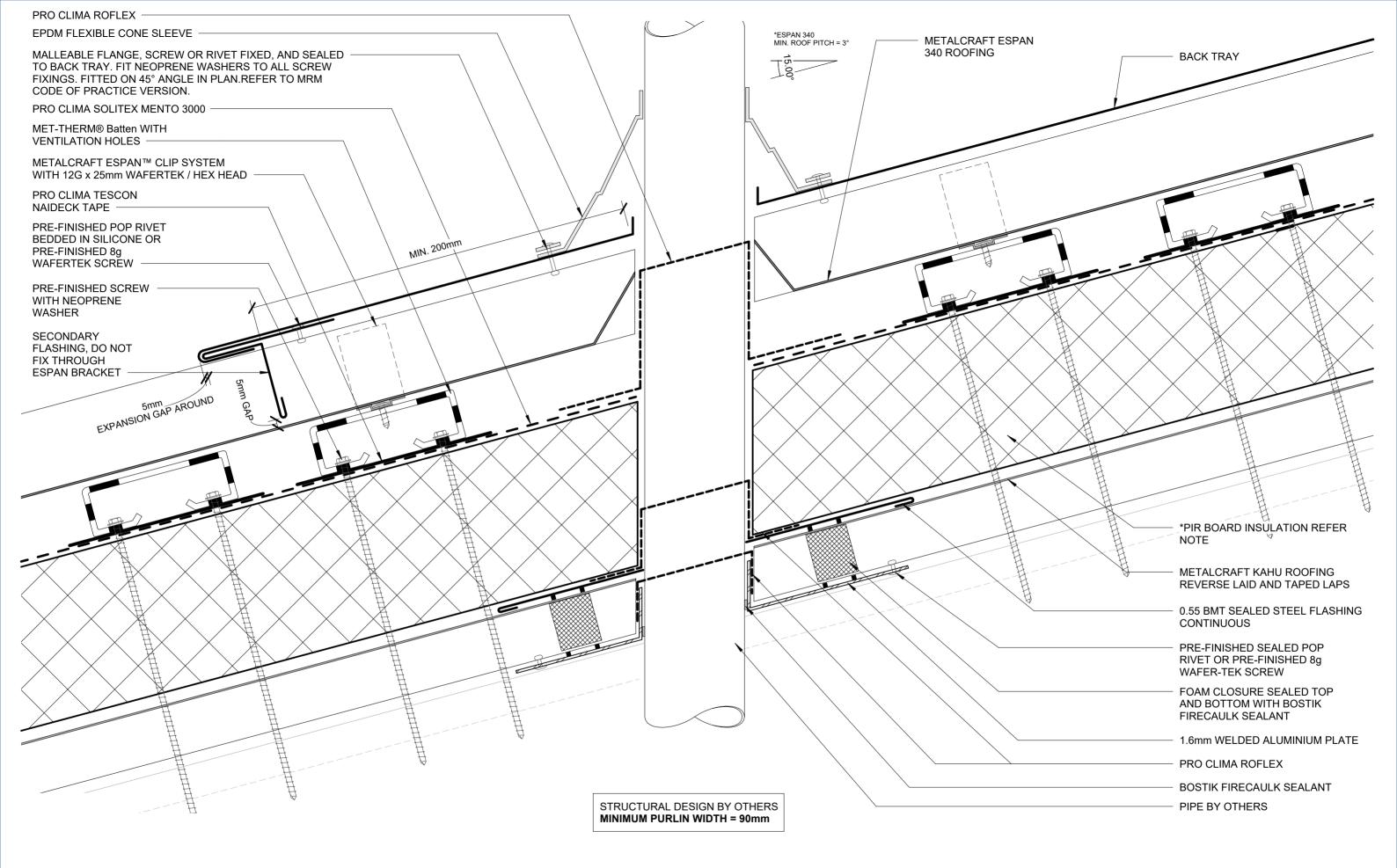
Sheet D 08 / 13





prior notice

Reference CRMTEP



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Reference CRMTEP

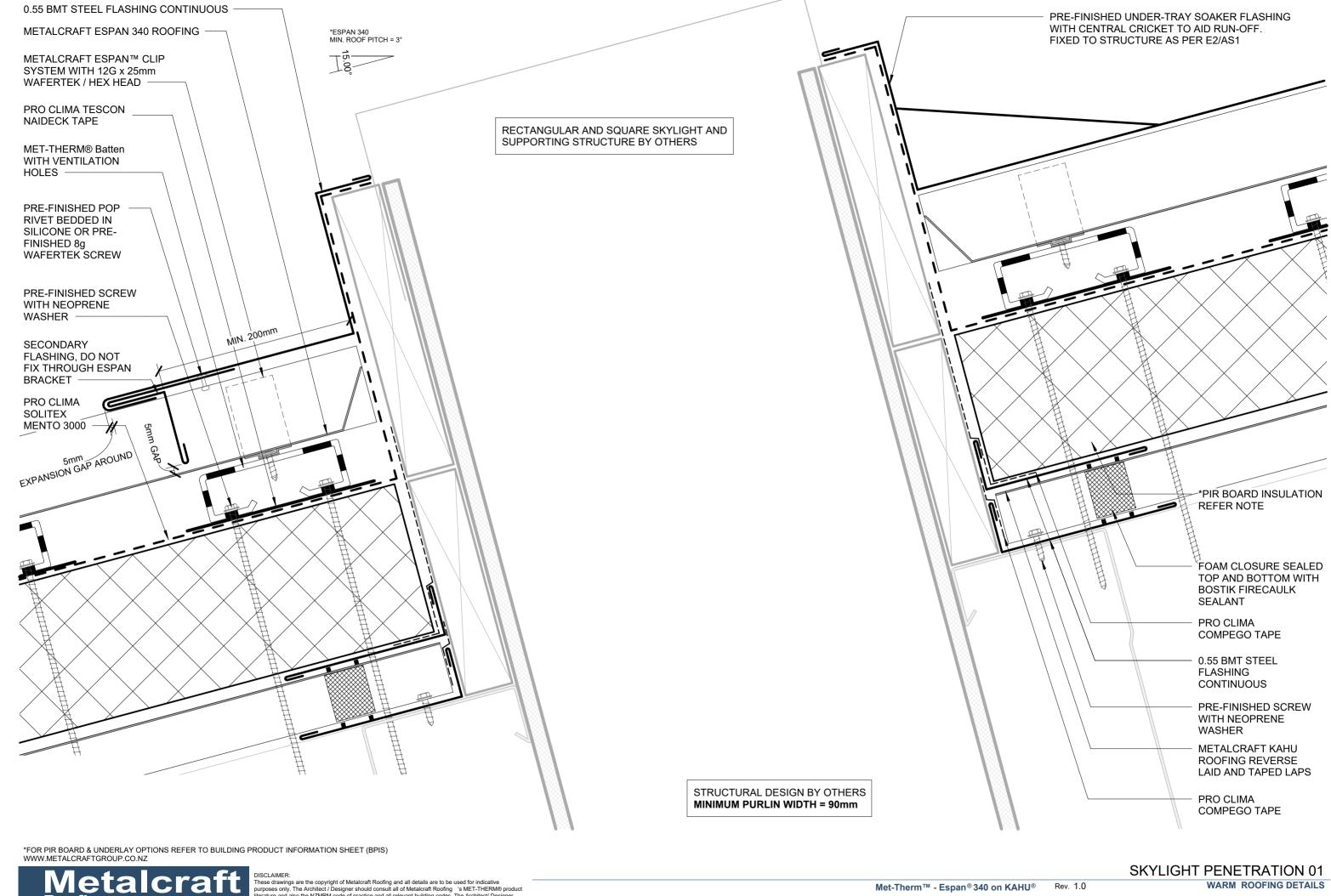
COLD PIPE PENETRATION WARM ROOFING DETAILS

U® Rev. 1.0

Date OCT 2024

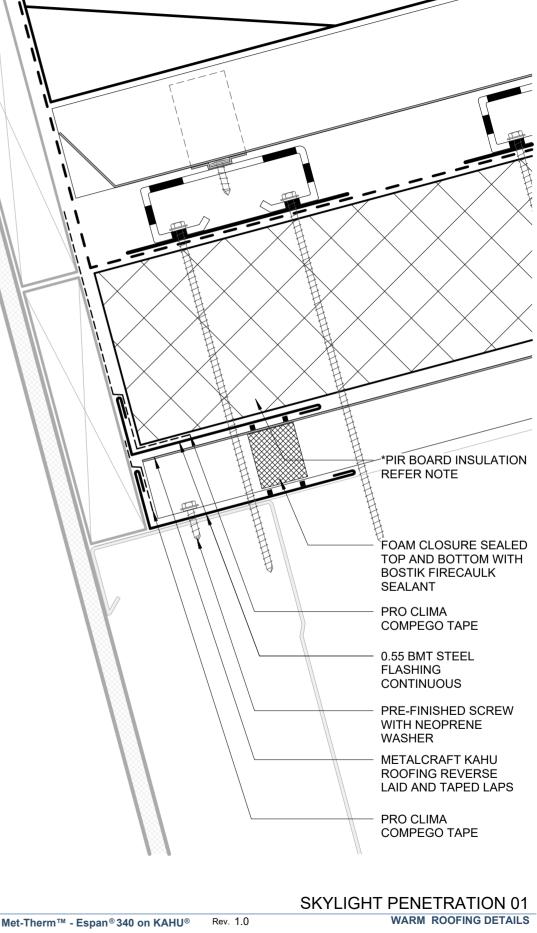
Scale 1:2

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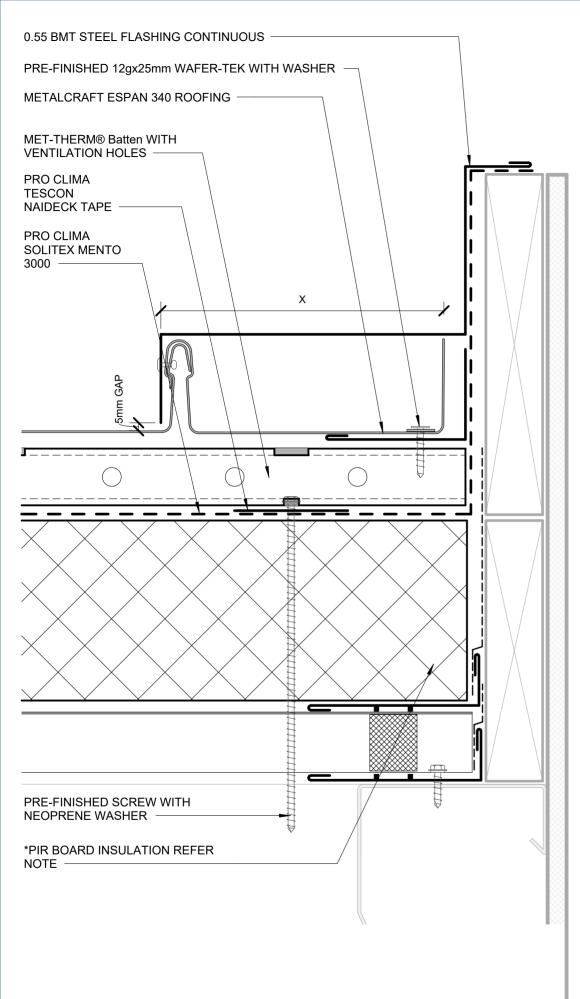


Reference CRMTEP

Date OCT 2024

Scale 1:2

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RECTANGULAR AND SQUARE SKYLIGHT AND SUPPORTING STRUCTURE BY OTHERS

AS PER MRM CODE OF PRACTICE CATEGORY A CATEGORY B LOW, MEDIUM OR HIGH WIND ZONES - ALL ROOF PITCHES VERY HIGH WIND ZONES ROOF PITCH <8° VERY HIGH AND EXTRA HIGH WIND ZONES WHERE THE PITCH IS EQUAL TO OR GREATER THAN 10° EXTRA HIGH WIND ZONES -ALL ROOF PITCHES TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB (>34mm)* TRAPEZOIDAL & TRAY: ONE RIB CORRUGATE: 2 CORRUGATIONS CORRUGATE: 2 CORRUGATIONS CATEGORY C CATEGORY D SED WIND ZONES UP TO 60 m/s SED WIND ZONES UP TO 68 m/s ALL ROOF PITCH ALL ROOF PITCH TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* ONE RIB (>34mm)* TRAPEZOIDAL & TRAY: TWO RIBS (20mm - 34mm)* + UNDERSOAKER ONE RIB (>34mm)* + UNDERSOAKER CORRUGATE: 3 CORRUGATIONS CORRUGATE: 2 CORRUGATIONS + UNDERSOAKER * RIB HEIGHT OF PROFILE OR TURNUP

STRUCTURAL DESIGN BY OTHERS MINIMUM PURLIN WIDTH = 90mm

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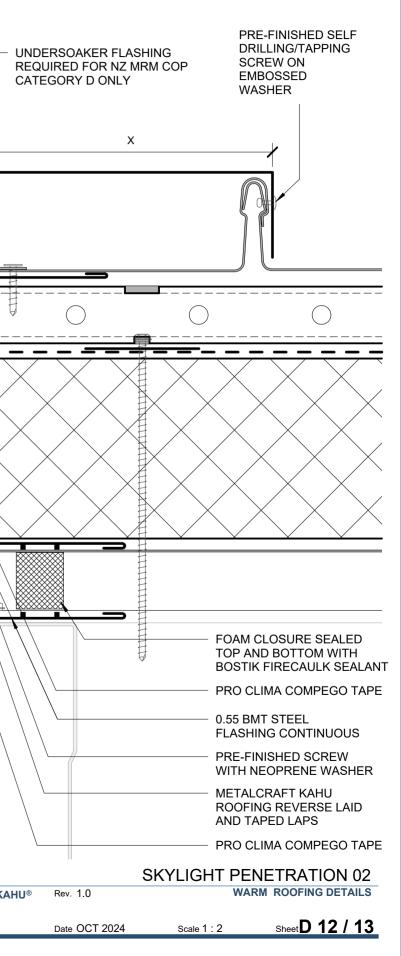
DISCLAIMER

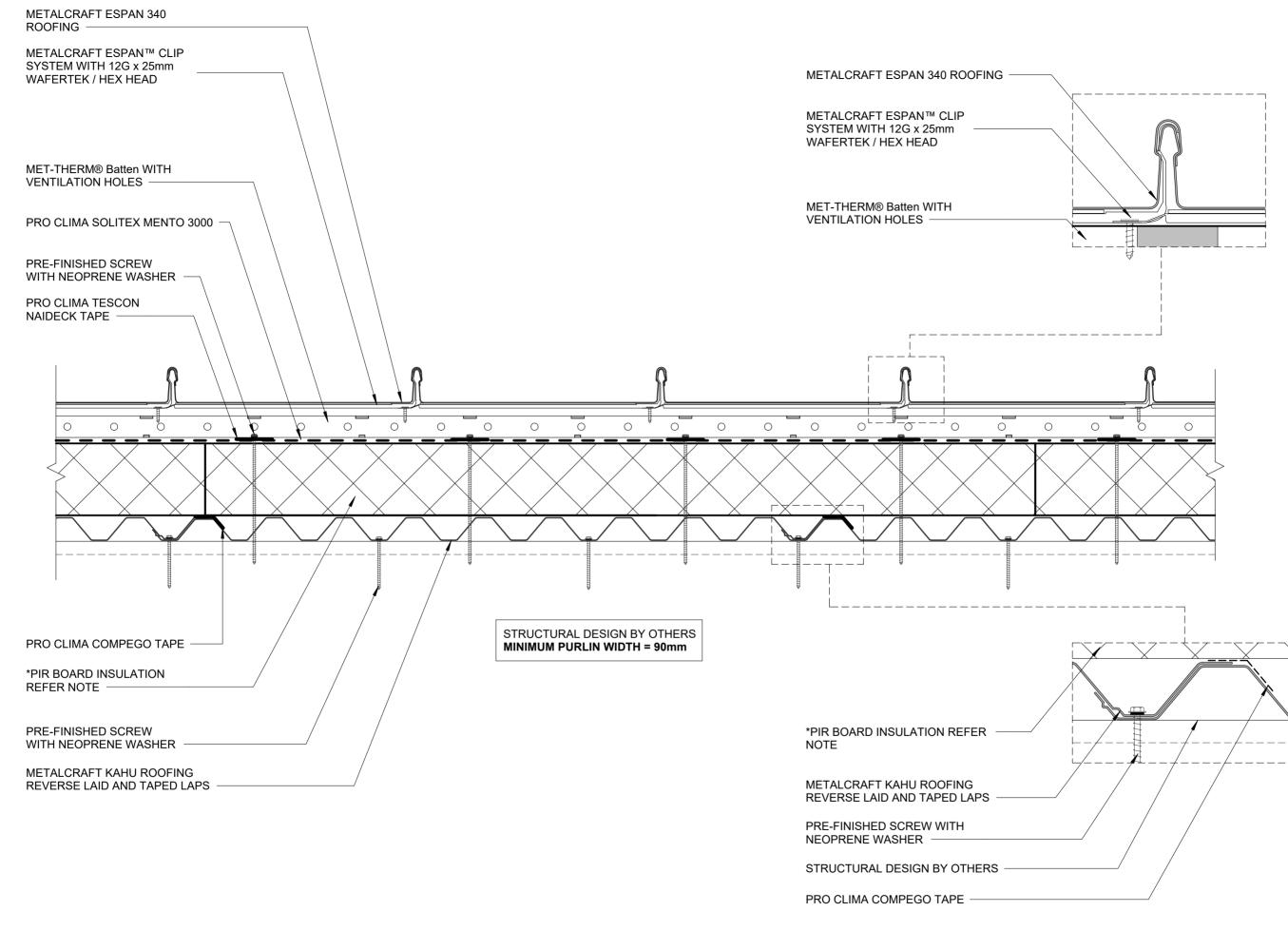


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Reference CRMTEP





(STAGGERED LAYERS OPTIONAL - REFER E3 COMPLIANCE REPORT)

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Reference CRMTEP

		TYPICAL CROSS SECTION
HU®	Rev. 1.0	WARM ROOFING DETAILS

Date OCT 2024

ScaleAs indicated Sheet D 13 / 13