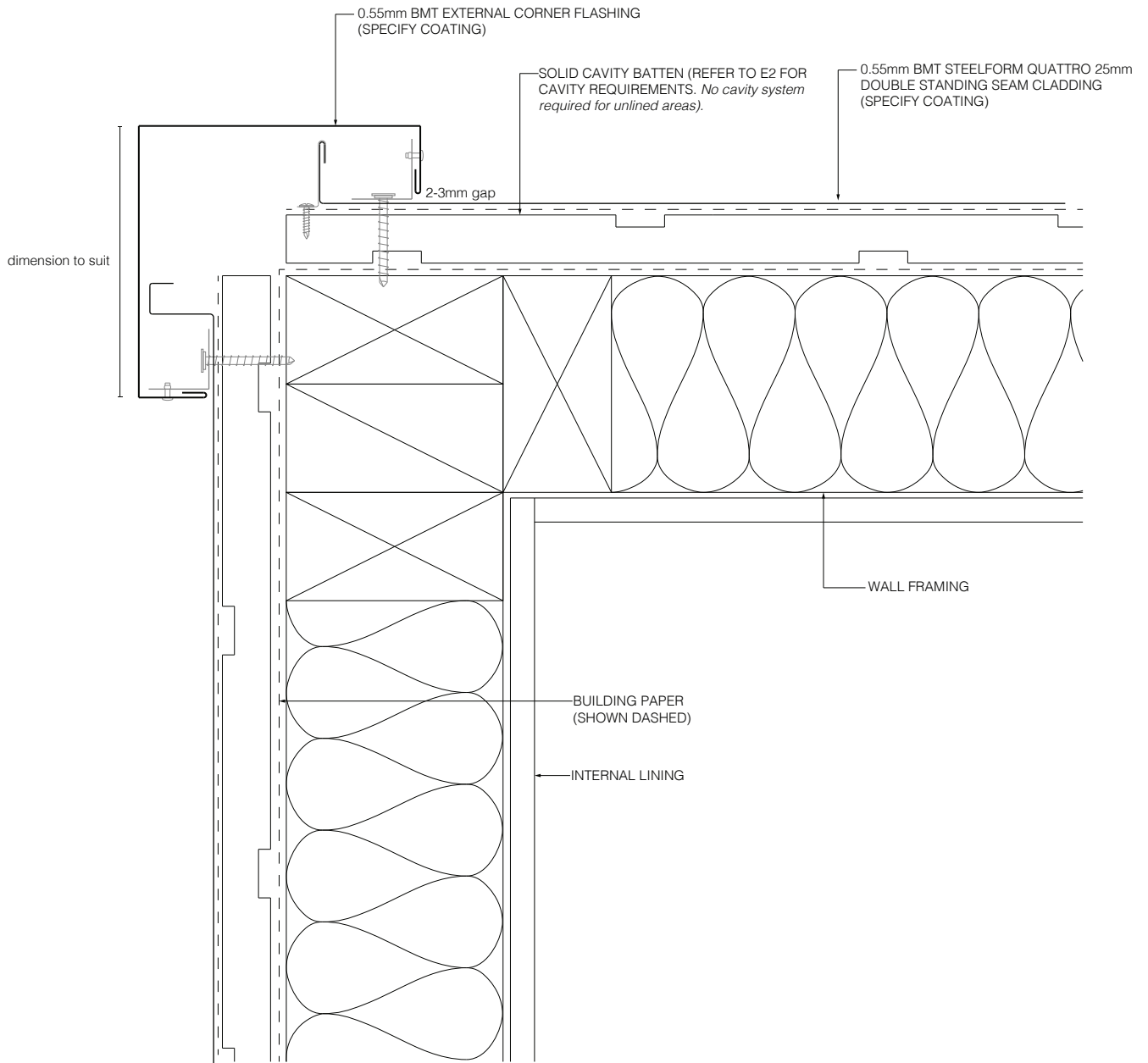


TYPICAL EXTERNAL CORNER DETAIL



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

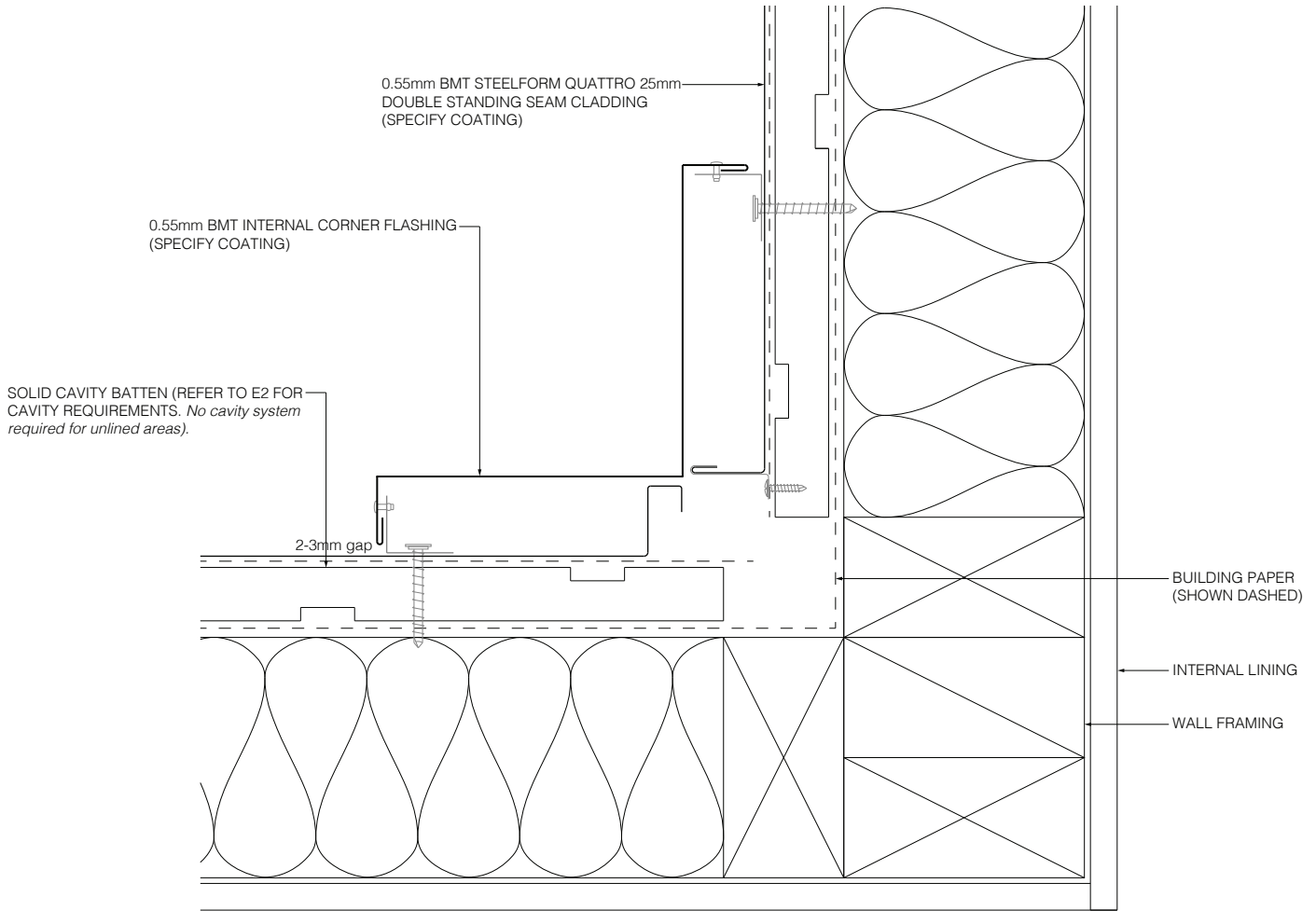
QUATTRO 25mm DOUBLE STANDING SEAM

RESIDENTIAL CLADDING

NOT TO SCALE

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TYPICAL INTERNAL CORNER DETAIL



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

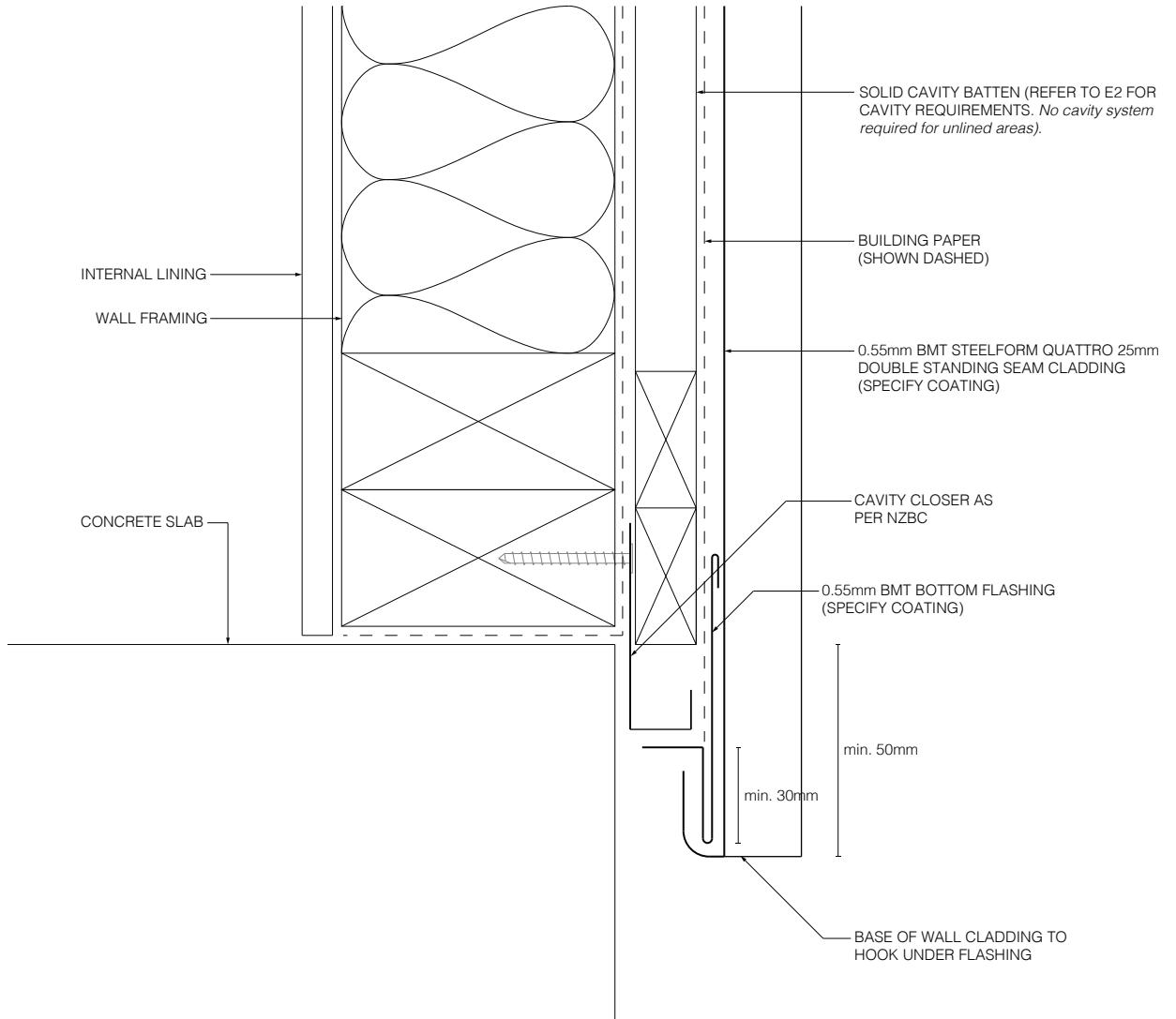
QUATTRO 25mm DOUBLE STANDING SEAM

RESIDENTIAL CLADDING

NOT TO SCALE

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TYPICAL BOTTOM FLASHING DETAIL



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

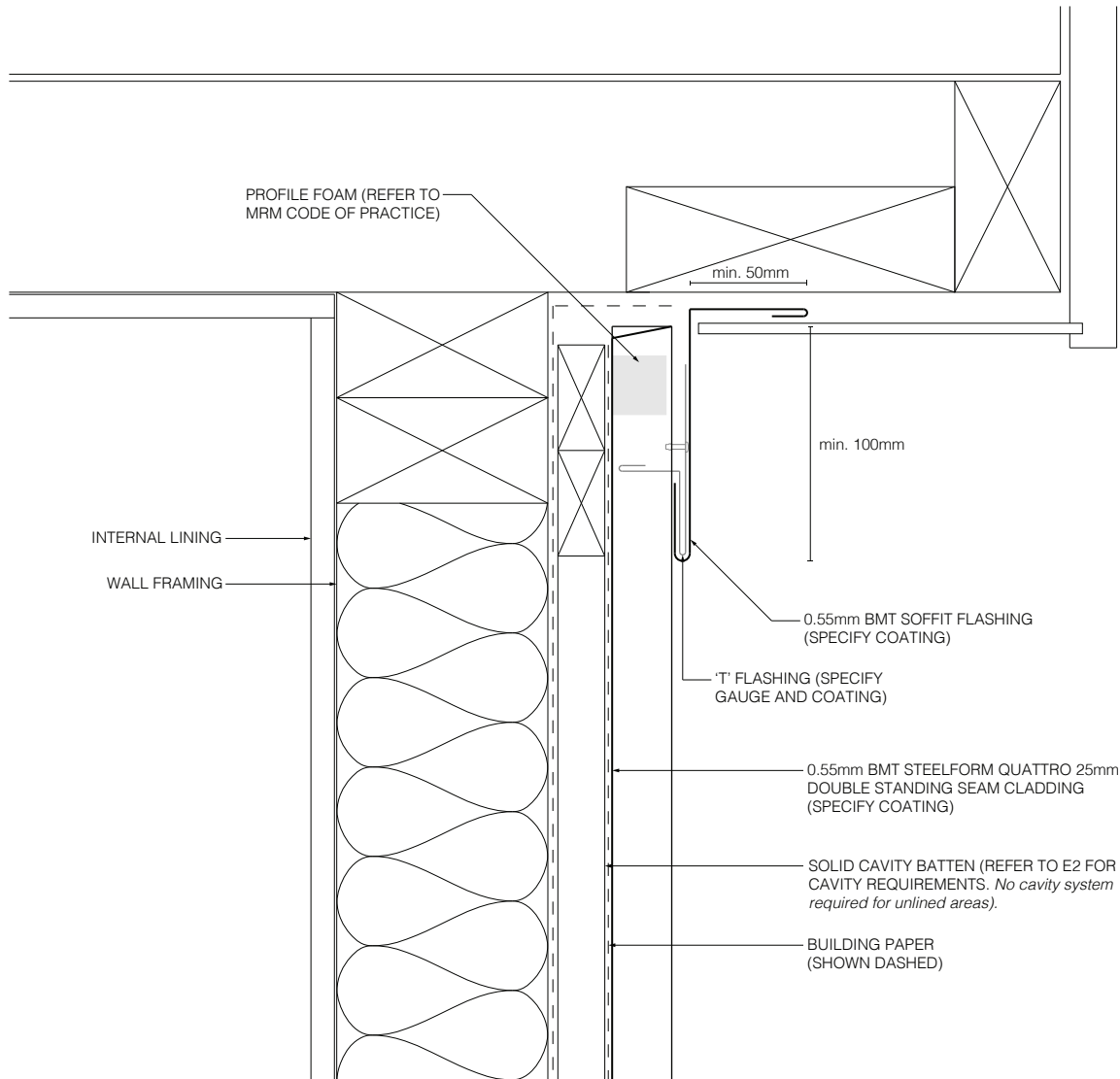
QUATTRO 25mm DOUBLE STANDING SEAM

RESIDENTIAL CLADDING

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TYPICAL SOFFIT FLASHING DETAIL



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

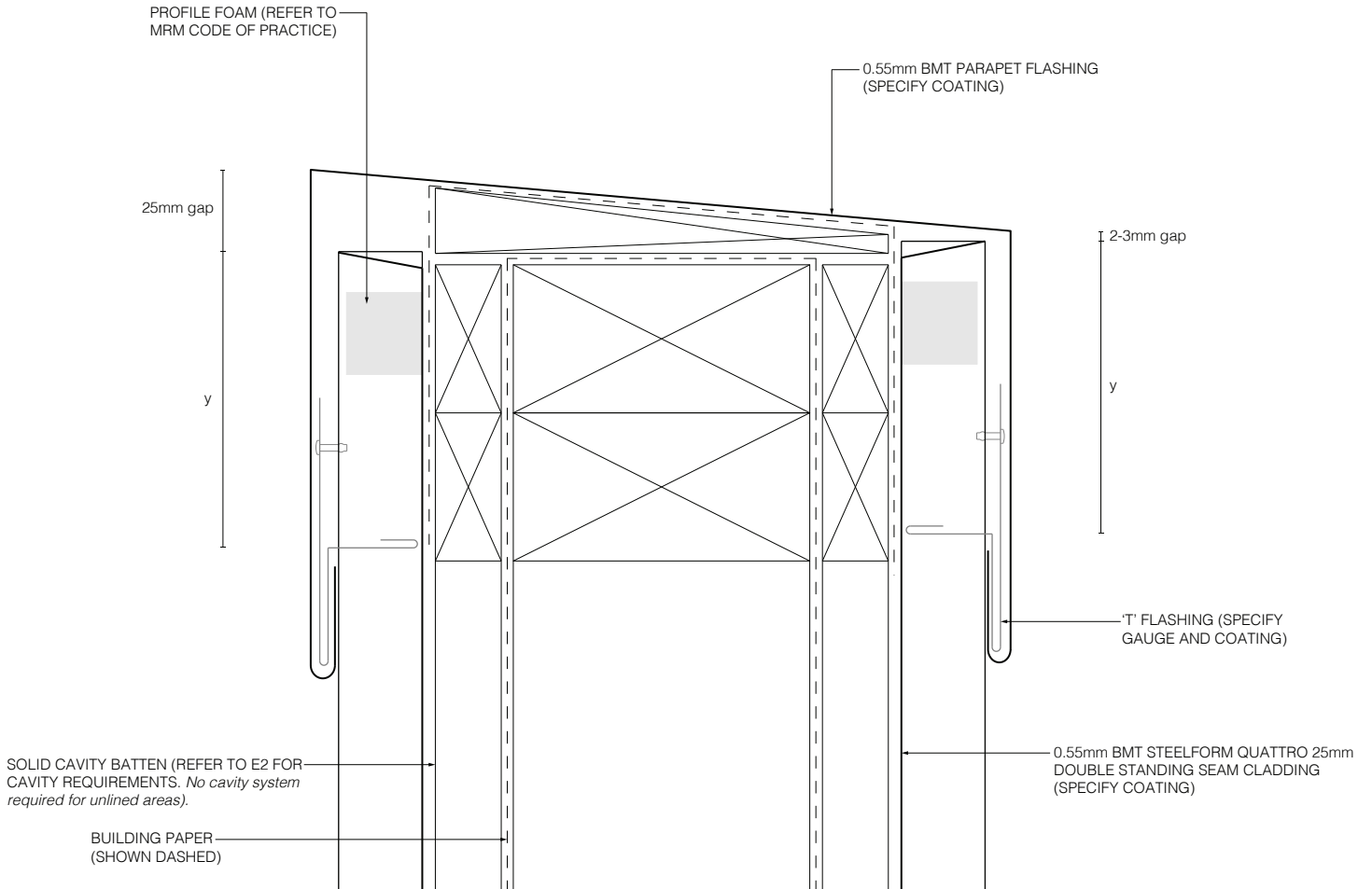
QUATTRO 25mm DOUBLE STANDING SEAM

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TYPICAL PARAPET FLASHING DETAIL



	SITUATION 1 LOW/MEDIUM/HIGH WIND ZONES, AND ROOF PITCH IS 10° AND ABOVE	SITUATION 2 VERY HIGH WIND ZONE. ALL ROOF PITCHES	SITUATION 3 EXTRA HIGH WIND ZONE, ALL ROOF PITCHES
x=	50mm	70mm	90mm
PLEASE REFER TO E2/AS1 TABLE 7 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS			



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

QUATTRO 25mm DOUBLE STANDING SEAM

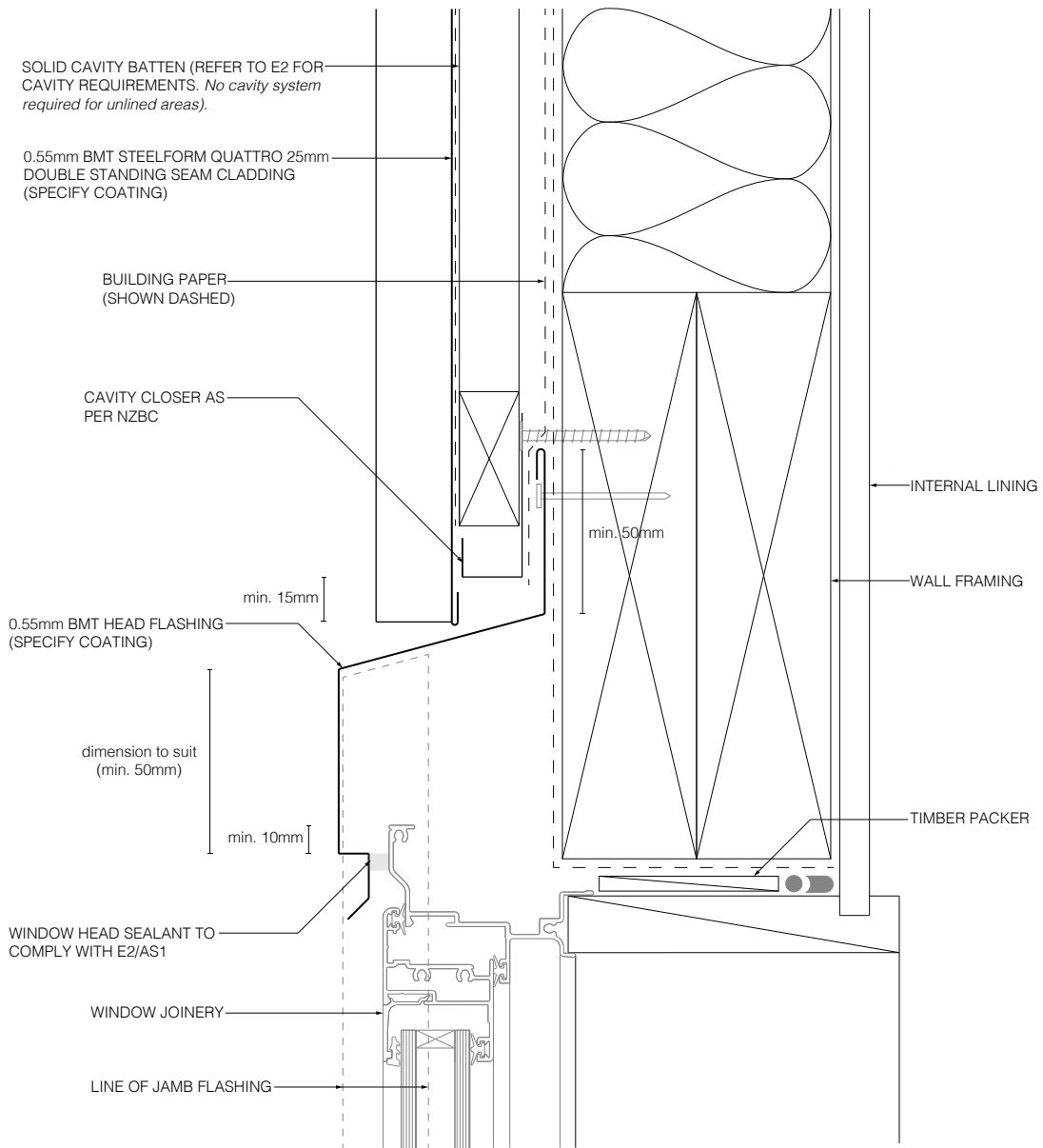
AUGUST 2021 / V1

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TYPICAL WINDOW (HEAD) DETAIL



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

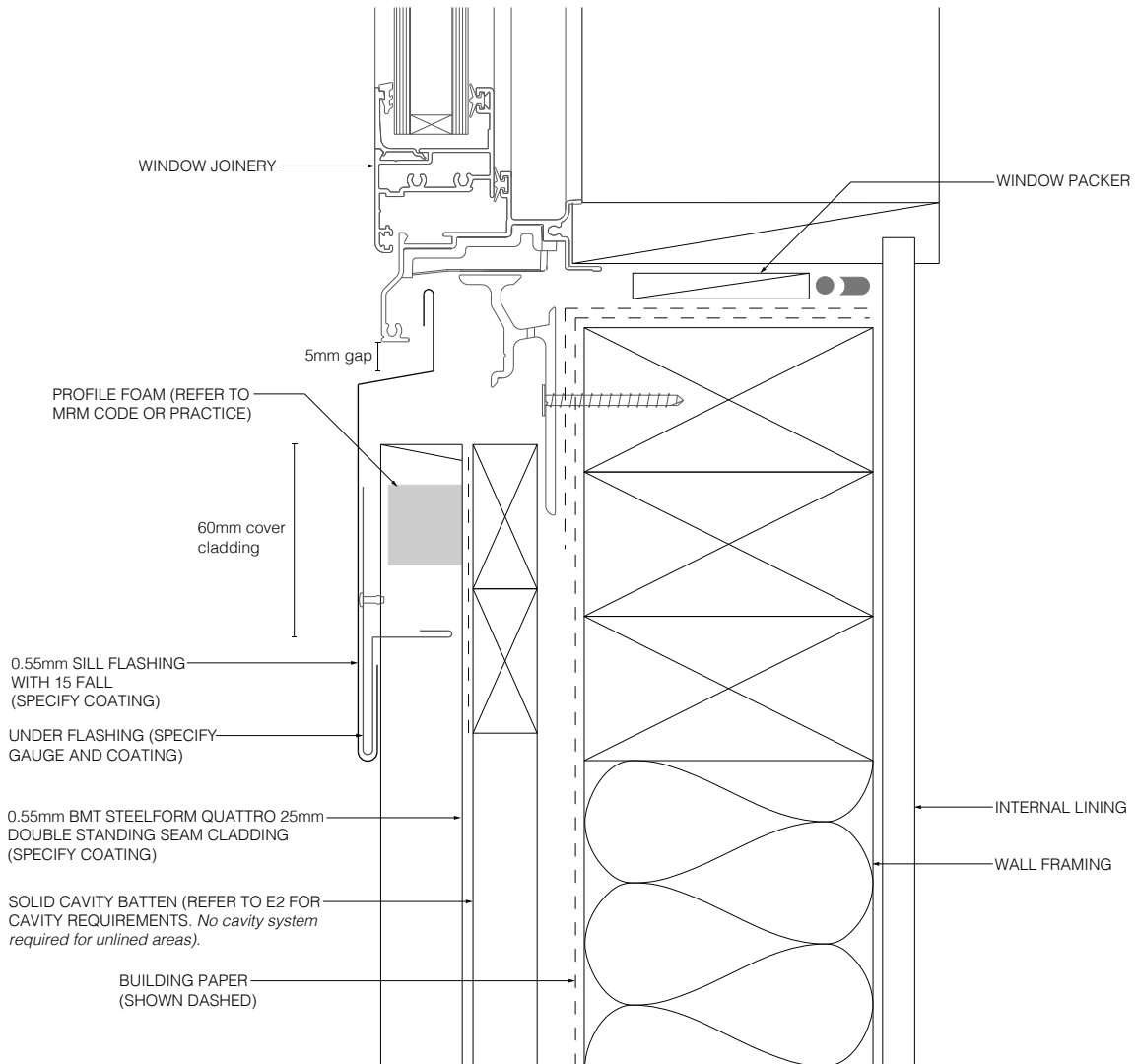
QUATTRO 25mm DOUBLE STANDING SEAM

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TYPICAL WINDOW (SILL) DETAIL



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

QUATTRO 25mm DOUBLE STANDING SEAM

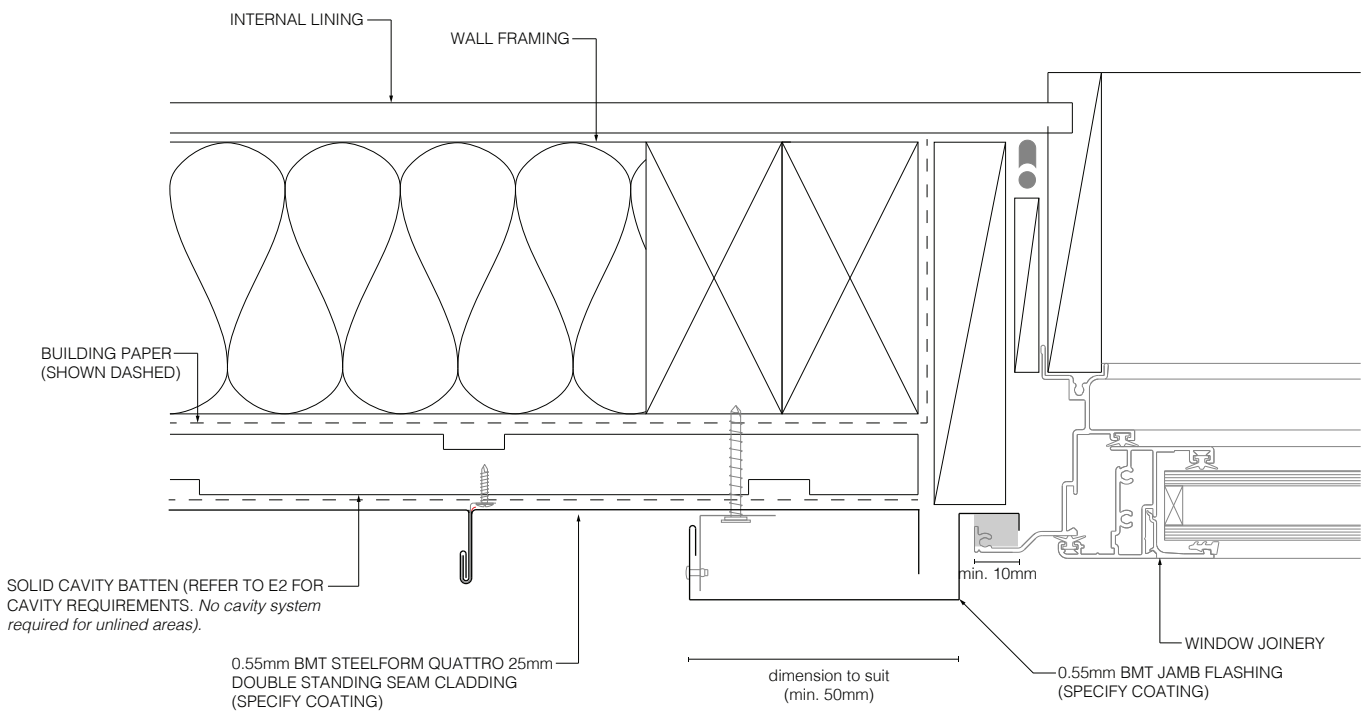
AUGUST 2021 / V1

RESIDENTIAL CLADDING

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TYPICAL WINDOW (JAMB) DETAIL



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

QUATTRO 25mm DOUBLE STANDING SEAM

AUGUST 2021 / V1

RESIDENTIAL CLADDING

NOT TO SCALE

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IMPORTANT QUATTRO TRAY PROFILE INFORMATION

Prior to selecting the Steelformers Quattro range, it is strongly recommended that the customer and/or designer liaises with Steelformers as there are possible effects that may become evident when used. Ultimately, the use of any of the Steelformers Quattro range (as roofing and/or cladding) will be at Steelformers discretion.

Sound Reverberation

Given the wide tray, in adverse weather and wind conditions, reverberations of sound has been experienced in some cases. Therefore, site details including the degree of wind exposure need to be considered to ensure the Steelformers Quattro range is suitable for the environment in which it will be exposed. The customer will be advised by Steelformers if it is believed the range is not suitable.

Oil Canning

Oil Canning is the visible waviness in the flat trays of metal roofing and cladding. Oil canning is unavoidable and can occur during the forming and installation, and during the thermal expansion and contraction of the roof sheets during its life-cycle. (Please note, whilst oil canning is an aesthetic effect, it does not cause detriment to product performance.) The effect can be more or less pronounced depending on differing light and sun angles, the coating gloss levels and the chosen colour.

Oil canning can be reduced (but not eliminated) with the use of stiffening swages in the pans and/or by reducing the tray widths. If Steelformers deem reducing the tray widths is necessary, this will be discussed with the customer.

Swages

It is mandatory practice to run any of the Quattro tray profiles with swages in the pans. If a customer would like their profile run without swages it will be at Steelformers discretion on a case-by-case basis.

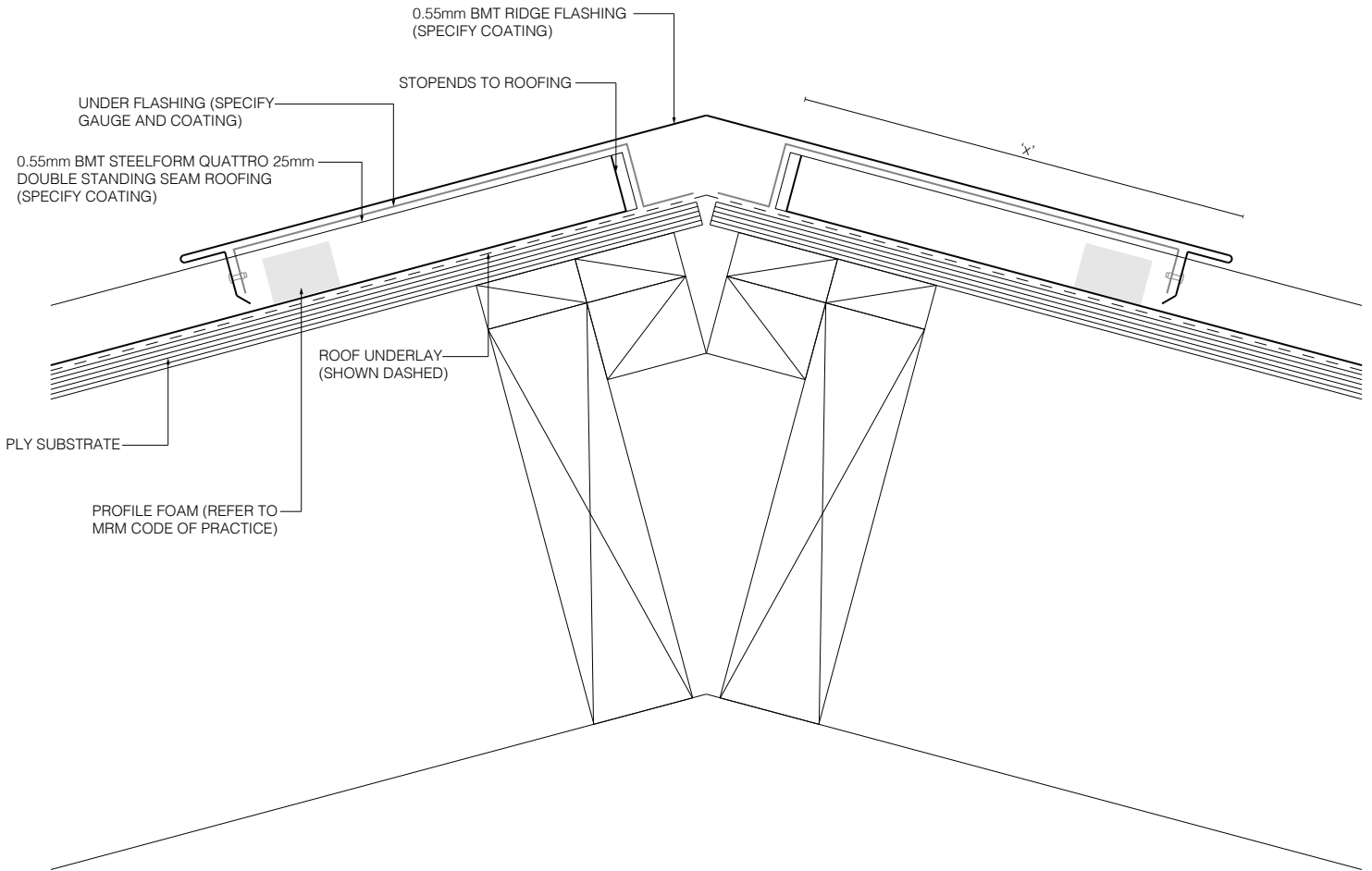
IMPORTANT UPDATES REGARDING QUATTRO 45MM SNAPSEAM REQUIREMENTS

To ensure the Quattro 45mm Snapseam profile performs consistently in New Zealand's range of environments, Steelformers are implementing some important factors:

- All Quattro 45mm Snapseam jobs must be reviewed by one of the Steelformers Sales Representatives prior to the job commencing. Contact your nearest branch to begin this process.
- All Quattro 45mm Snapseam jobs must be installed using Steelformers flashing details. These are available for download at www.steelformers.co.nz.
- DuPont™ Tyvek® Metal Roof Underlay (or an equivalent product, at Steelformers discretion) is required to be used with Quattro 45mm Snapseam in all wind zones. In Extra High or Specific Engineering Design (SED) wind zones (or areas that may experience these conditions), Quattro 45mm Snapseam used as roofing will require the use of an additional plywood substrate.
- Use of 45mm Snapseam in Extra High or Specific Engineering Design (SED) wind zones (or areas that may experience these conditions) areas are subject to review by a Steelformers Sales Representative on a case-by-case basis. This may also apply to our other range of Quattro products in these applications.
- Steelformers also now requires that in all wind zones when installing Quattro 45mm Snapseam, clips must be fixed to all ribs of all purlin lines (or nog lines for wall applications).

Steelformers deem these changes as necessary to ensure our products perform to the highest standards. Please note, we cannot be responsible for performance of our products when our details and/or installation advice have not been followed. If you have any questions or queries, please do not hesitate to contact your nearest Steelformers branch.

TYPICAL RIDGE FLASHING DETAIL



	<p>SITUATION 1 LOW/MEDIUM/HIGH WIND ZONES, AND ROOF PITCH IS 10° AND ABOVE</p> <p>min 130mm</p>	<p>SITUATION 2 VERY HIGH WIND ZONE. ALL ROOF PITCHES</p> <p>min 200mm</p>	<p>SITUATION 3 EXTRA HIGH WIND ZONE, ALL ROOF PITCHES</p> <p>min 200mm</p>
PLEASE REFER TO E2/AS1 TABLE 7 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS			
x=	<p>CATEGORY A LOW/MEDIUM/HIGH WIND ZONES, AND WHERE THE PITCH IS NO LESS THAT 10°</p> <p>min 130mm</p>	<p>CATEGORY B VERY HIGH/EXTRA HIGH WIND ZONES. OR WHERE THE PITCH IS LESS THAN 10°</p> <p>min 200mm</p>	
PLEASE REFER TO THE NZ MRM CODE OF PRACTICE FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS			



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

QUATTRO 25mm DOUBLE STANDING SEAM

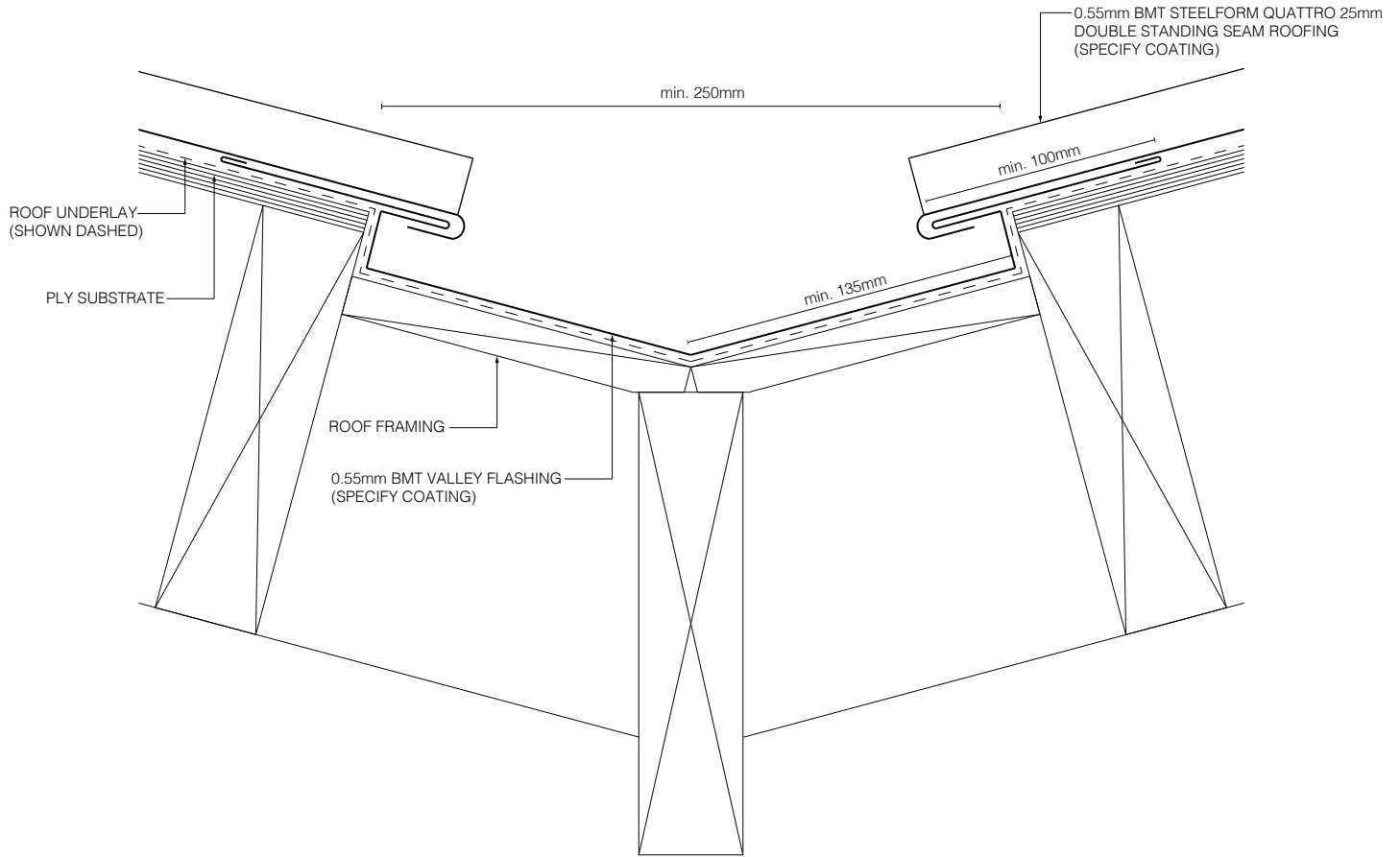
AUGUST 2021 / V1

RESIDENTIAL ROOFING

NOT TO SCALE

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TYPICAL VALLEY FLASHING DETAIL



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

QUATTRO 25mm DOUBLE STANDING SEAM

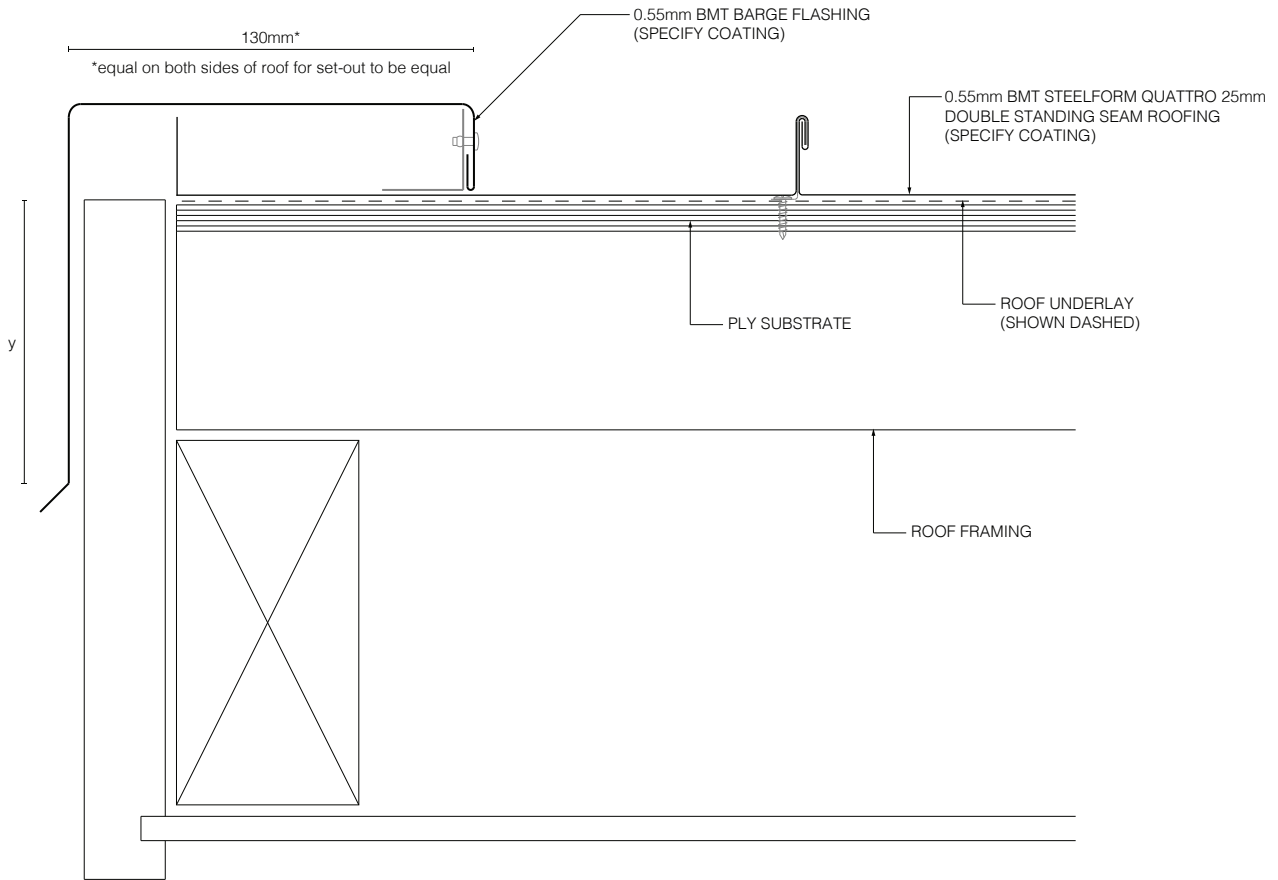
AUGUST 2021 / V1

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TYPICAL BARGE FLASHING DETAIL



x=	<p>SITUATION 1 LOW/MEDIUM/HIGH WIND ZONES, AND ROOF PITCH IS 10° AND ABOVE</p> <p>min. 50mm</p>	<p>SITUATION 2 VERY HIGH WIND ZONE. ALL ROOF PITCHES</p> <p>min. 70mm</p>	<p>SITUATION 3 EXTRA HIGH WIND ZONE, ALL ROOF PITCHES</p> <p>min. 90mm</p>
	PLEASE REFER TO E2/AS1 TABLE 7 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS		



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

QUATTRO 25mm DOUBLE STANDING SEAM

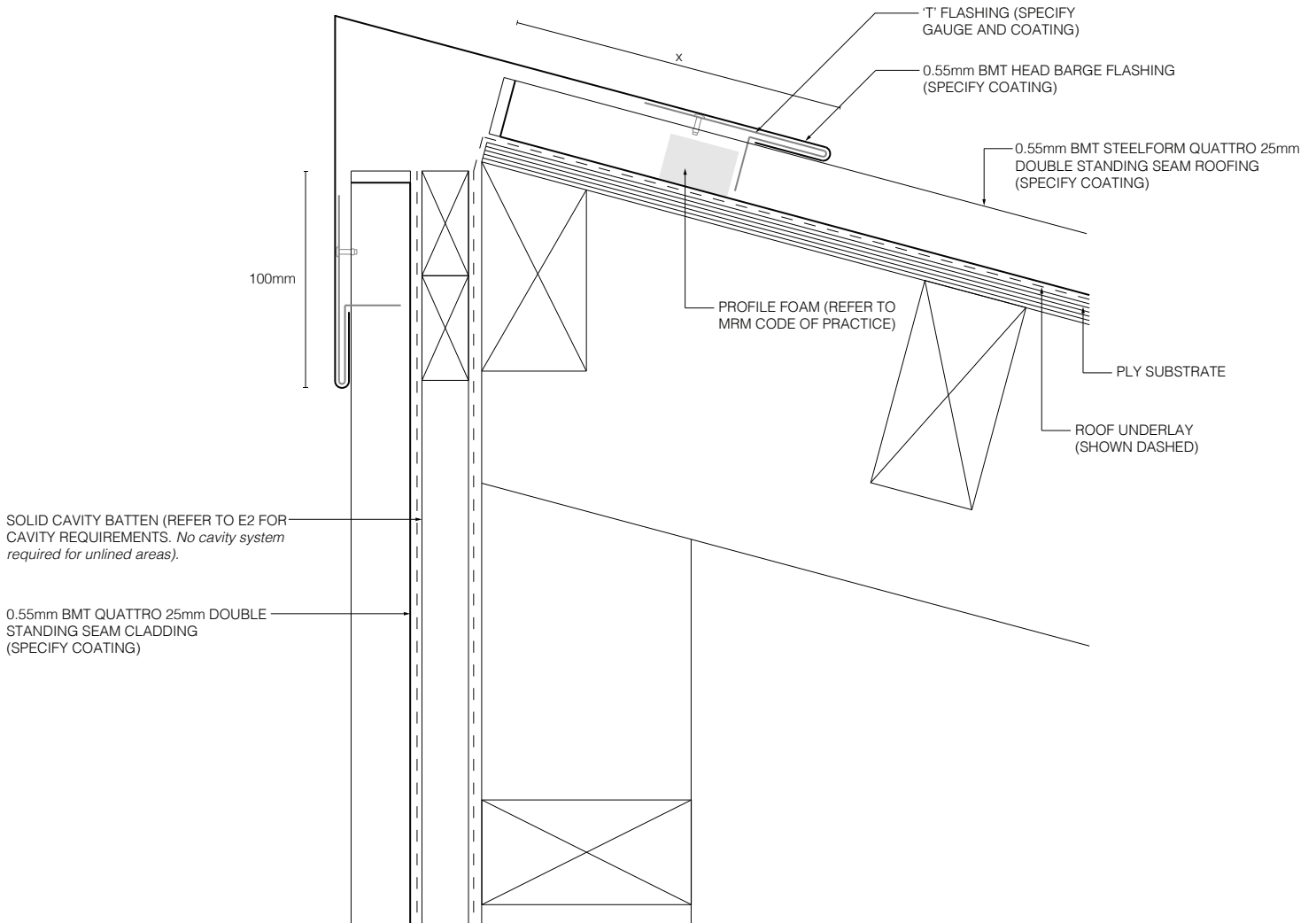
AUGUST 2021 / V1

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TYPICAL HEAD BARGE FLASHING DETAIL



	SITUATION 1 LOW/MEDIUM/HIGH WIND ZONES, AND ROOF PITCH IS 10° AND ABOVE	SITUATION 2 VERY HIGH WIND ZONE. ALL ROOF PITCHES	SITUATION 3 EXTRA HIGH WIND ZONE, ALL ROOF PITCHES
x=	min 130mm	min 200mm	min 200mm
PLEASE REFER TO E2/AS1 TABLE 7 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS			



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

QUATTRO 25mm DOUBLE STANDING SEAM

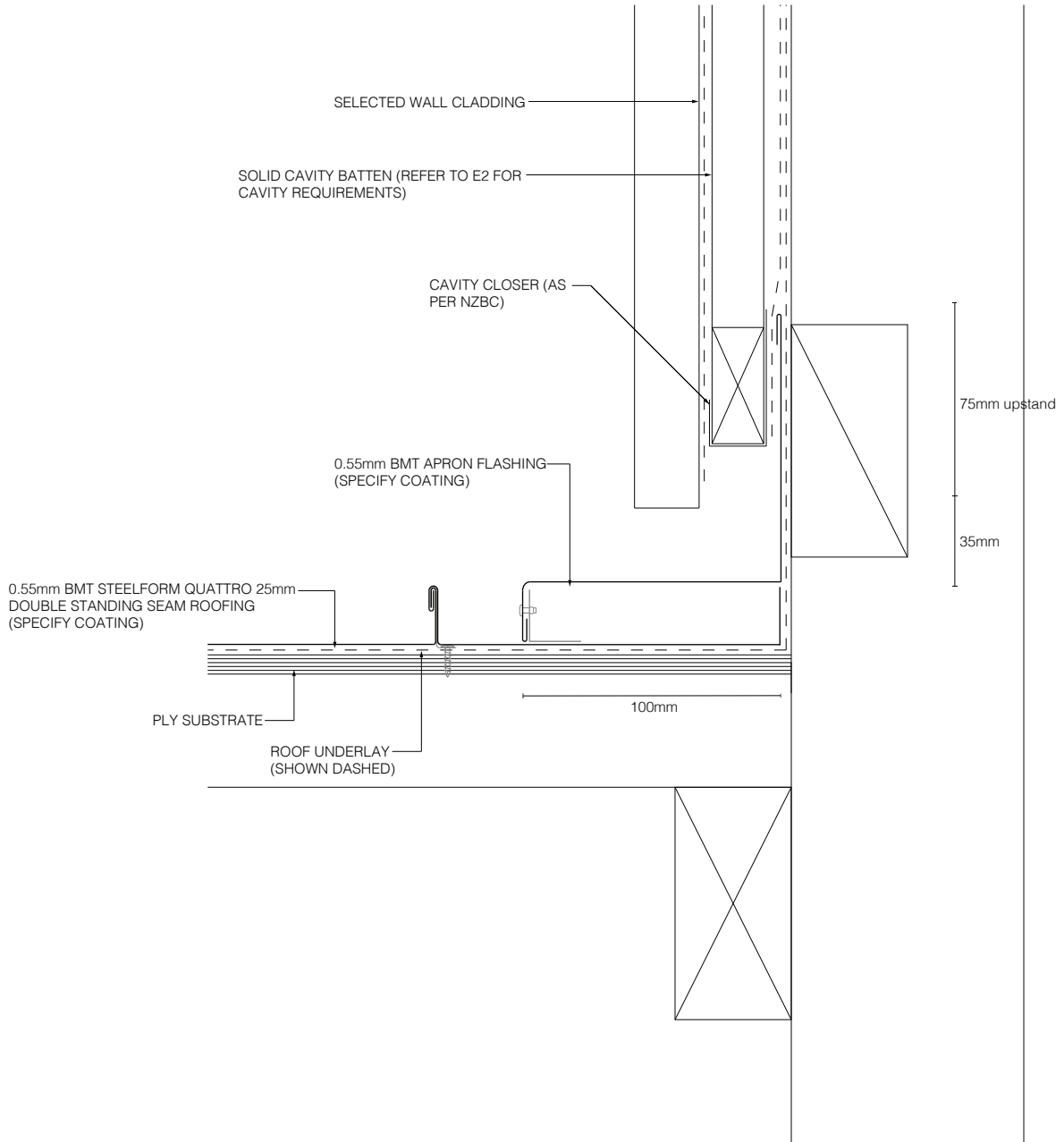
AUGUST 2021 / V1

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TYPICAL APRON FLASHING DETAIL



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

QUATTRO 25mm DOUBLE STANDING SEAM

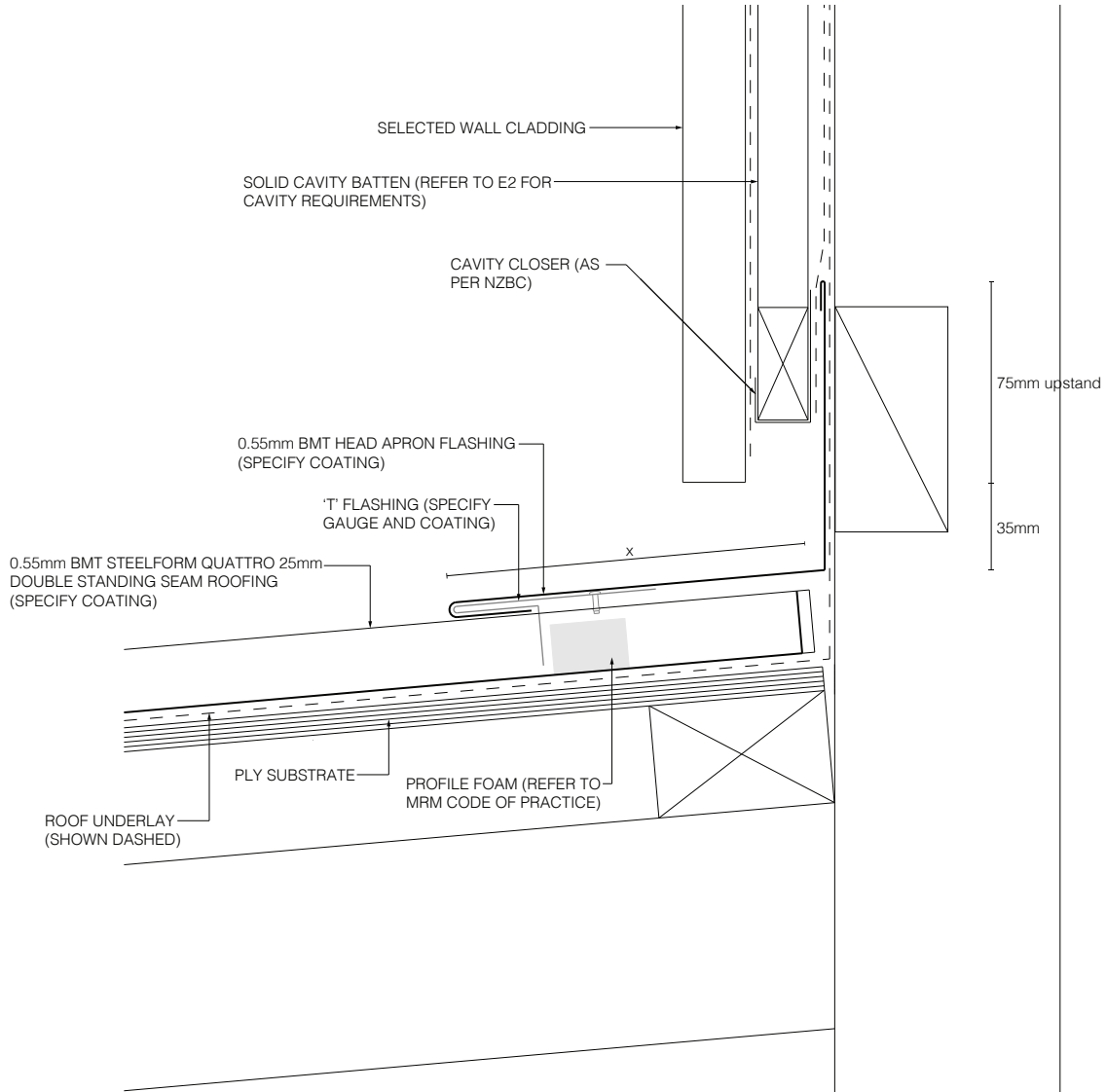
AUGUST 2021 / V1

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TYPICAL HEAD APRON FLASHING DETAIL



x=	<p>SITUATION 1 LOW/MEDIUM/HIGH WIND ZONES, AND ROOF PITCH IS 10° AND ABOVE</p> <p>min. 130mm</p>	<p>SITUATION 2 VERY HIGH WIND ZONE. ALL ROOF PITCHES</p> <p>min. 200mm</p>	<p>SITUATION 3 EXTRA HIGH WIND ZONE, ALL ROOF PITCHES</p> <p>min. 200mm</p>
	PLEASE REFER TO E2/AS1 TABLE 7 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS		



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

QUATTRO 25mm DOUBLE STANDING SEAM

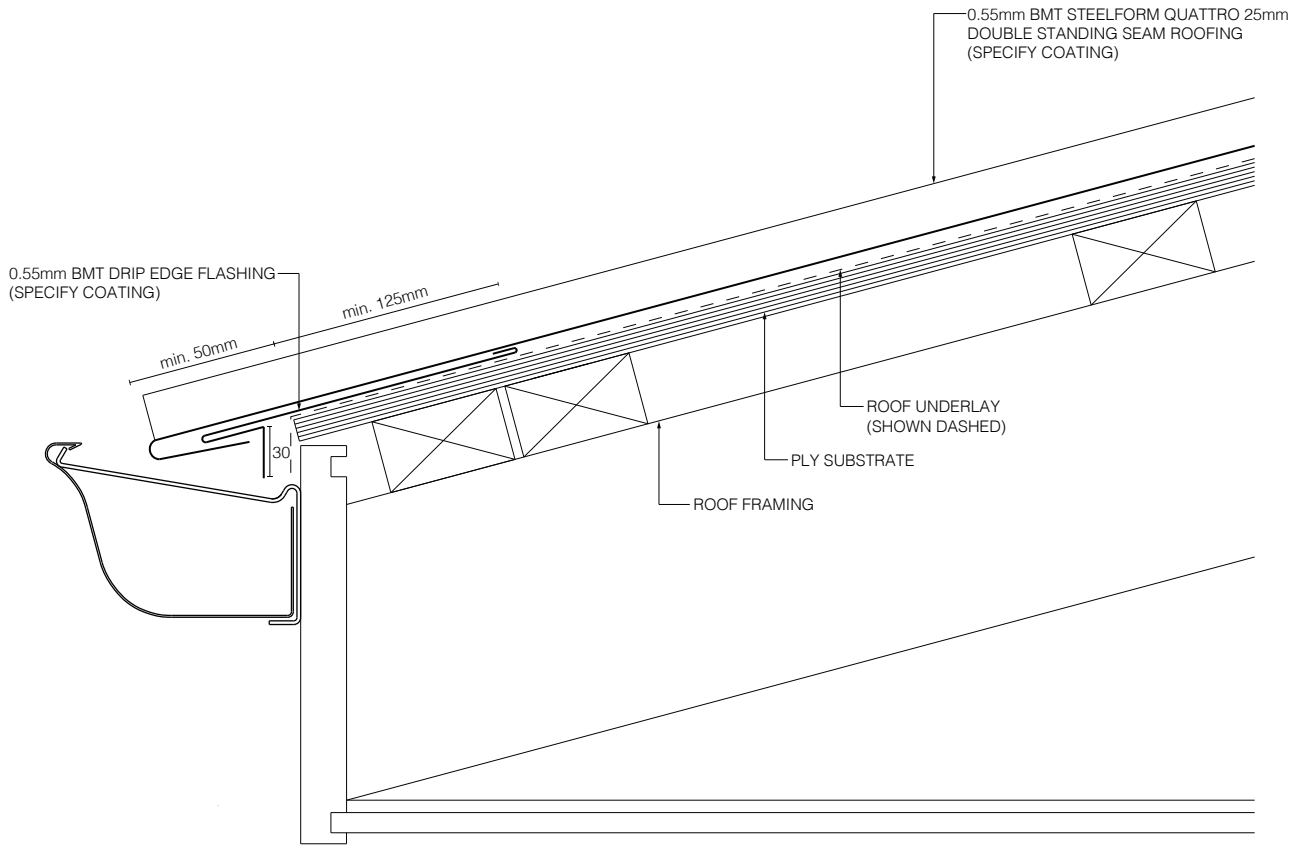
AUGUST 2021 / V1

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TYPICAL DRIP EDGE FLASHING DETAIL



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

QUATTRO 25mm DOUBLE STANDING SEAM

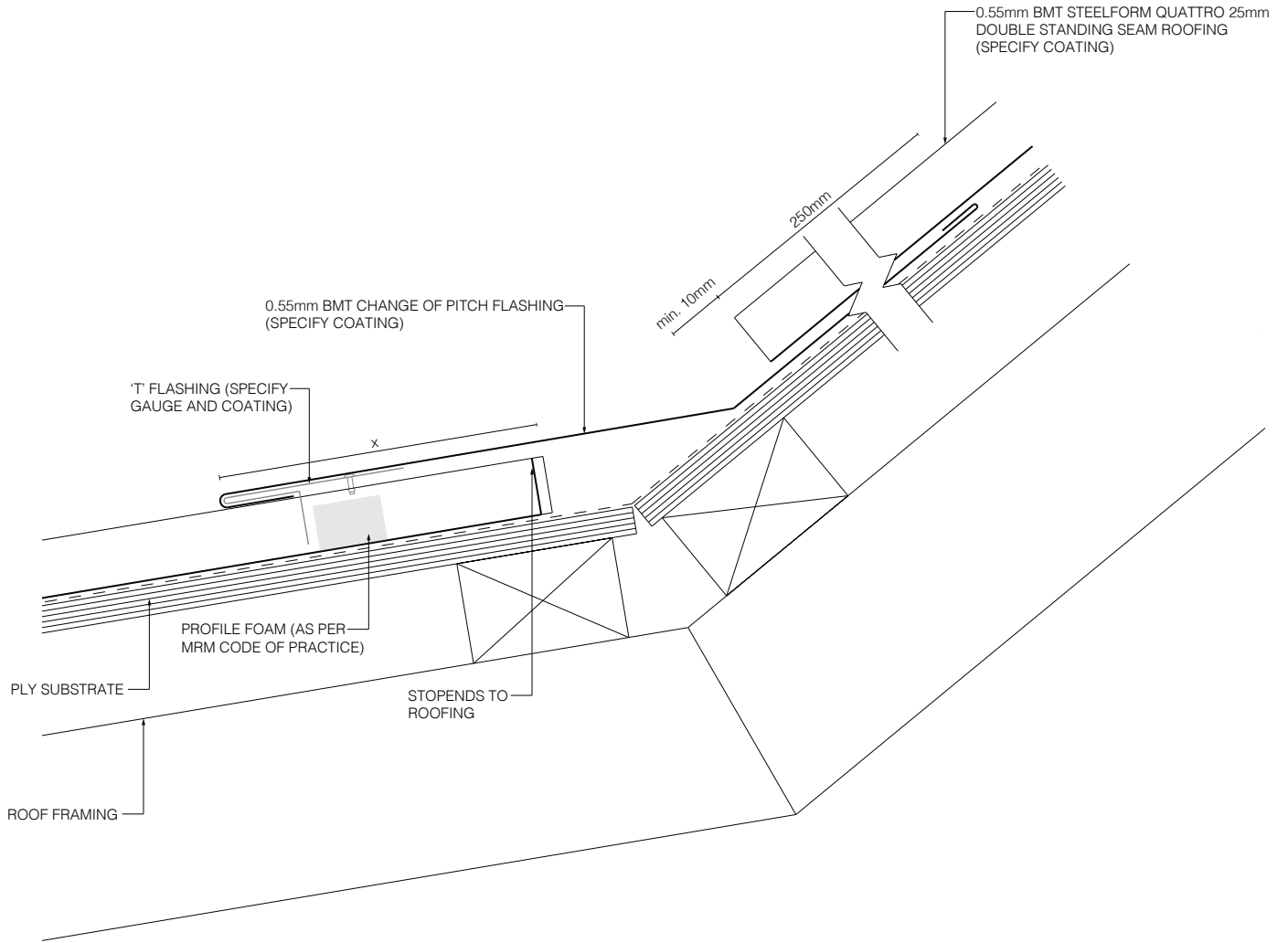
AUGUST 2021 / V1

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TYPICAL CHANGE OF PITCH FLASHING DETAIL



	SITUATION 1 LOW/MEDIUM/HIGH WIND ZONES, AND ROOF PITCH IS 10° AND ABOVE	SITUATION 2 VERY HIGH WIND ZONE. ALL ROOF PITCHES	SITUATION 3 EXTRA HIGH WIND ZONE, ALL ROOF PITCHES
x=	min. 130mm	min. 200mm	min. 200mm
PLEASE REFER TO E2/AS1 TABLE 7 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS			



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

QUATTRO 25mm DOUBLE STANDING SEAM

AUGUST 2021 / V1

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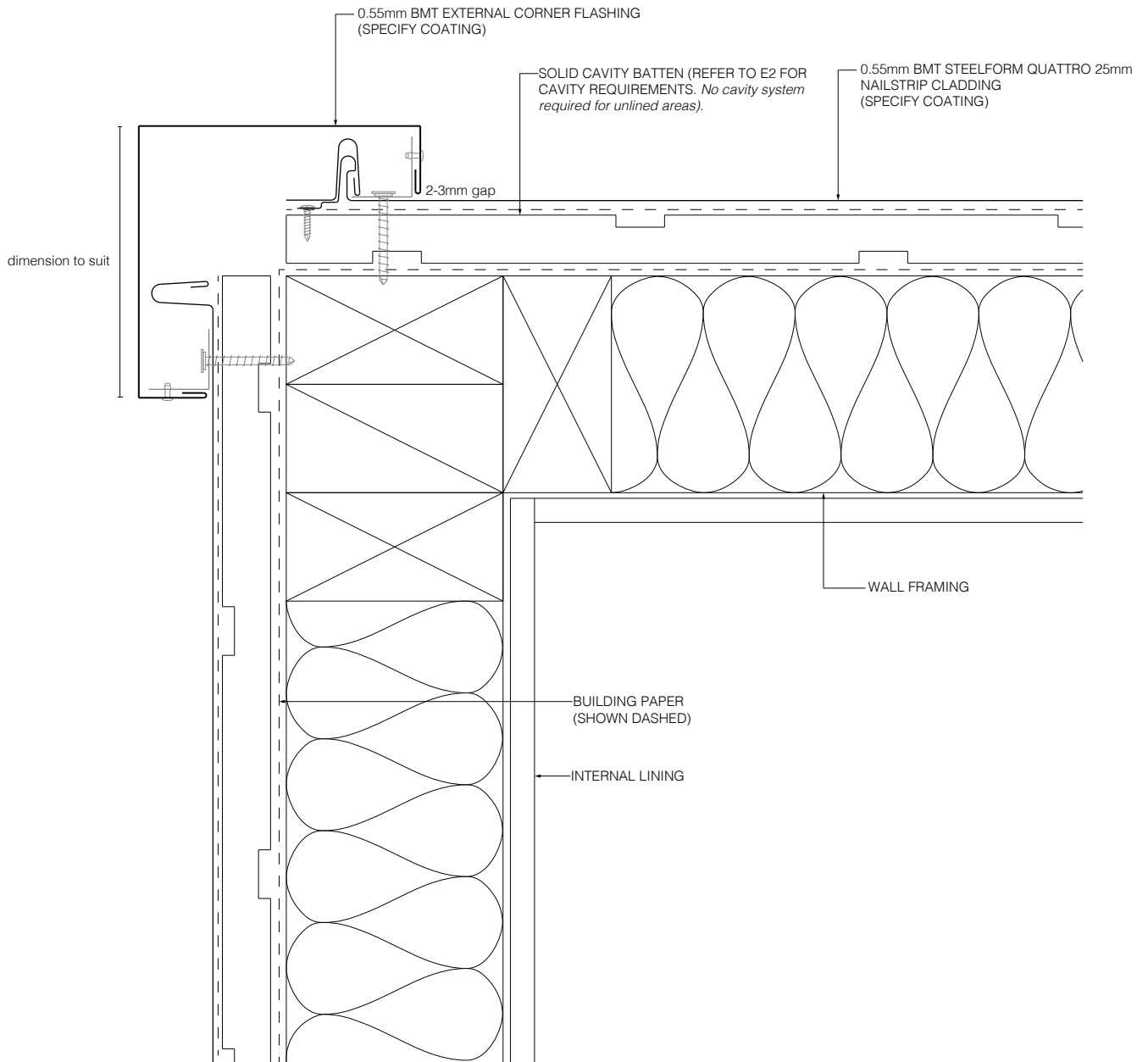
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TYPICAL EXTERNAL CORNER DETAIL



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

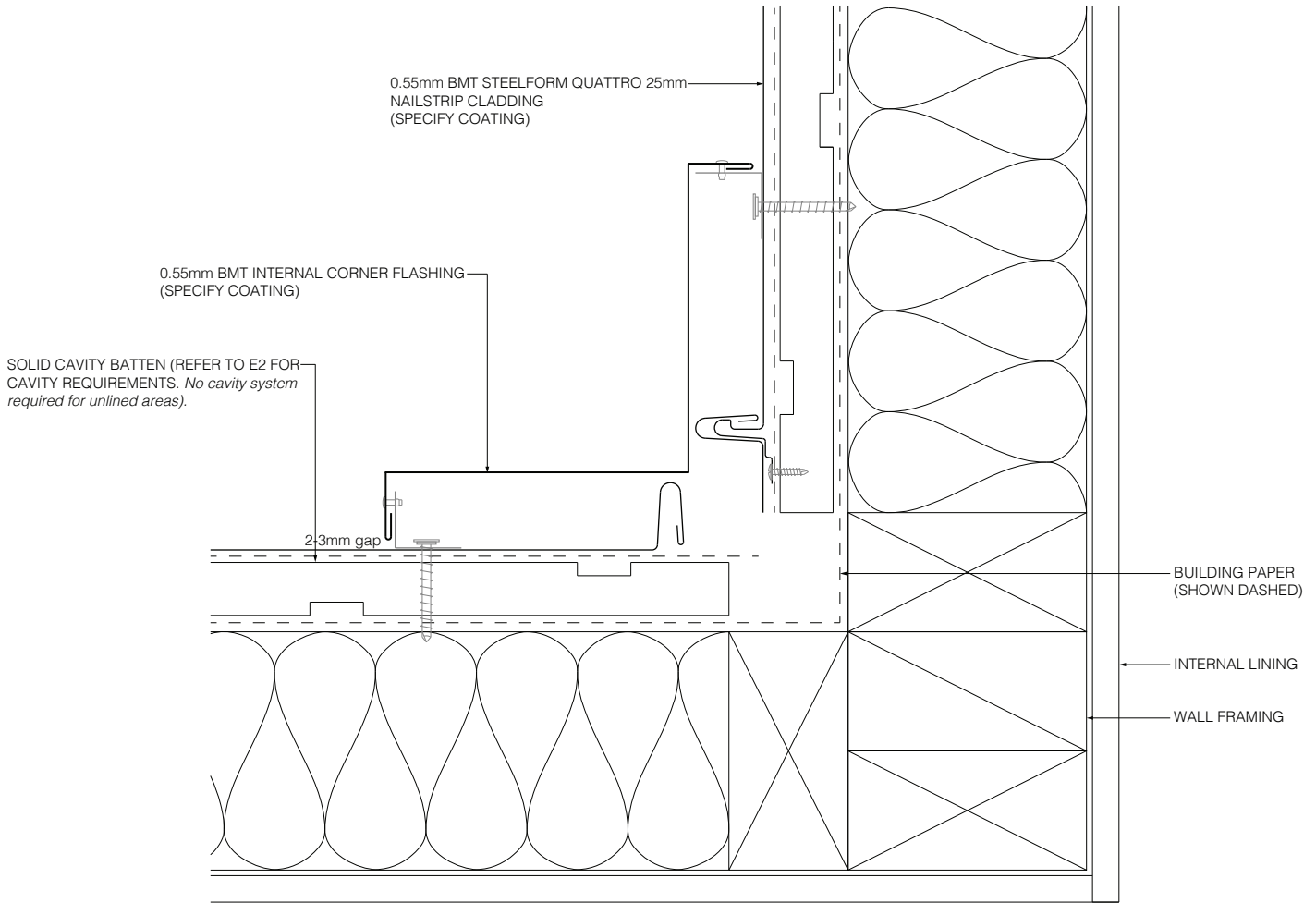
QUATTRO 25mm NAILSTRIP

RESIDENTIAL CLADDING

NOT TO SCALE

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TYPICAL INTERNAL CORNER DETAIL



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

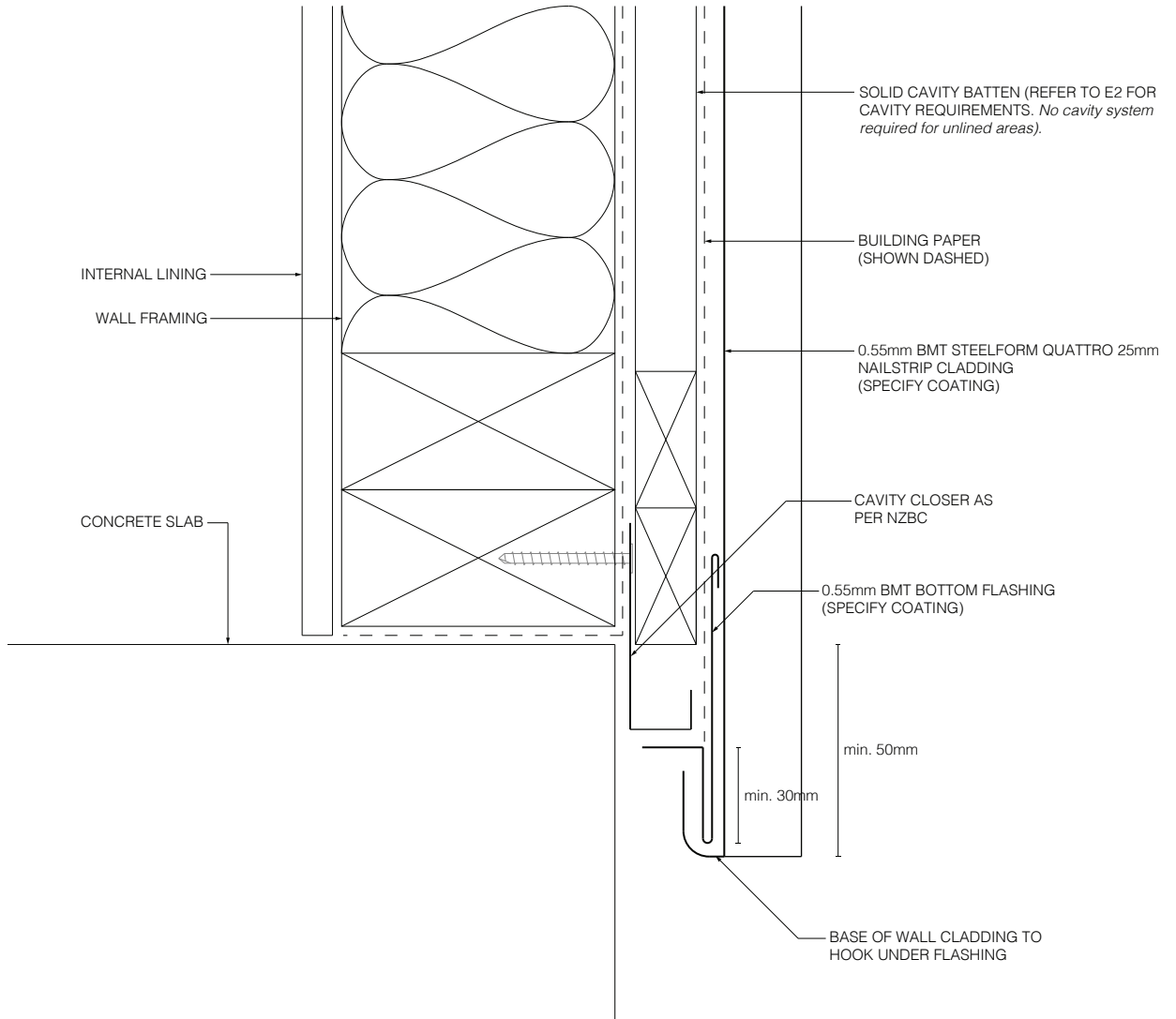
QUATTRO 25mm NAILSTRIP

RESIDENTIAL CLADDING

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TYPICAL BOTTOM FLASHING DETAIL



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

QUATTRO 25mm NAILSTRIP

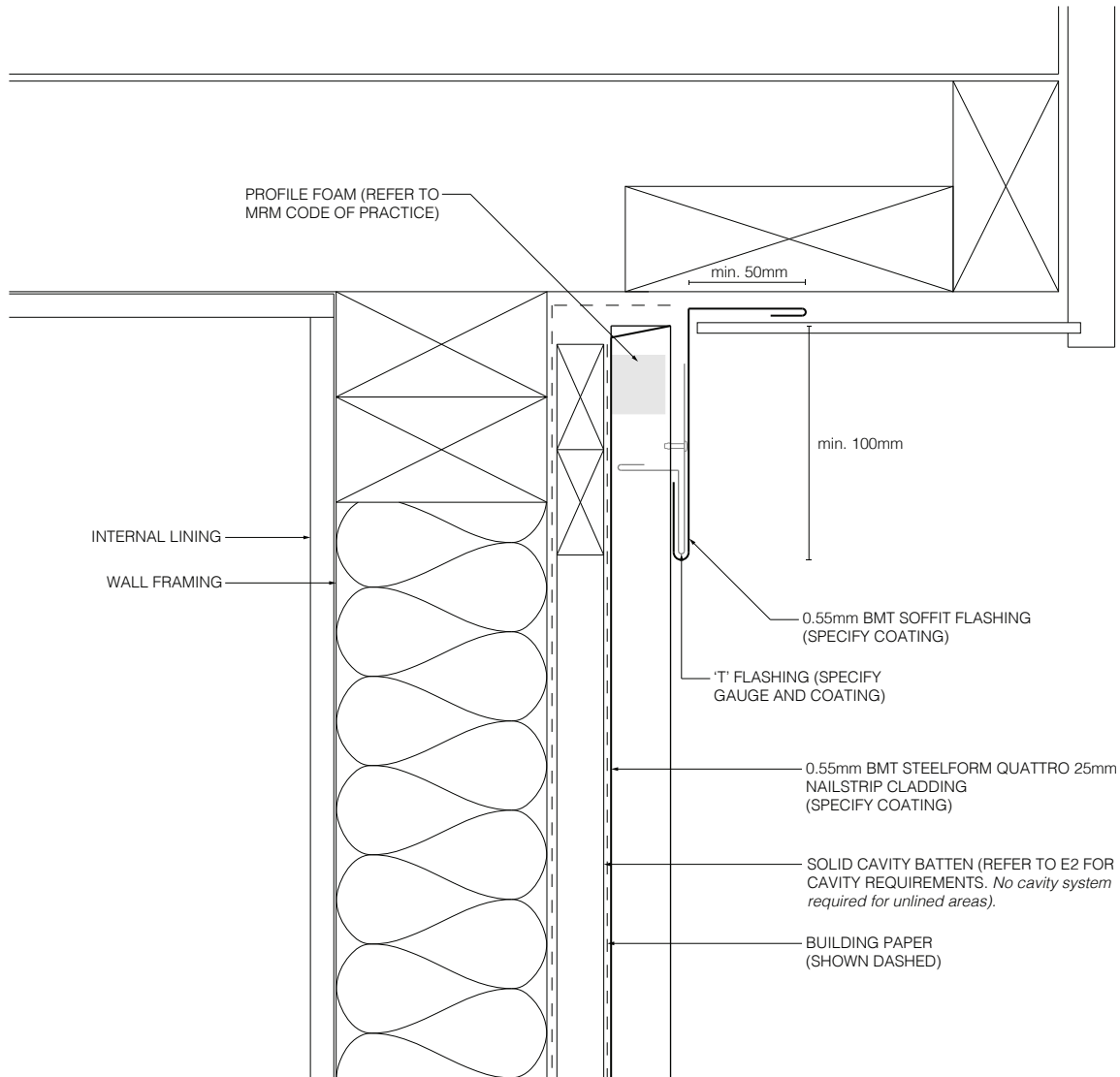
AUGUST 2021 / V1

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TYPICAL SOFFIT FLASHING DETAIL



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

QUATTRO 25mm NAILSTRIP

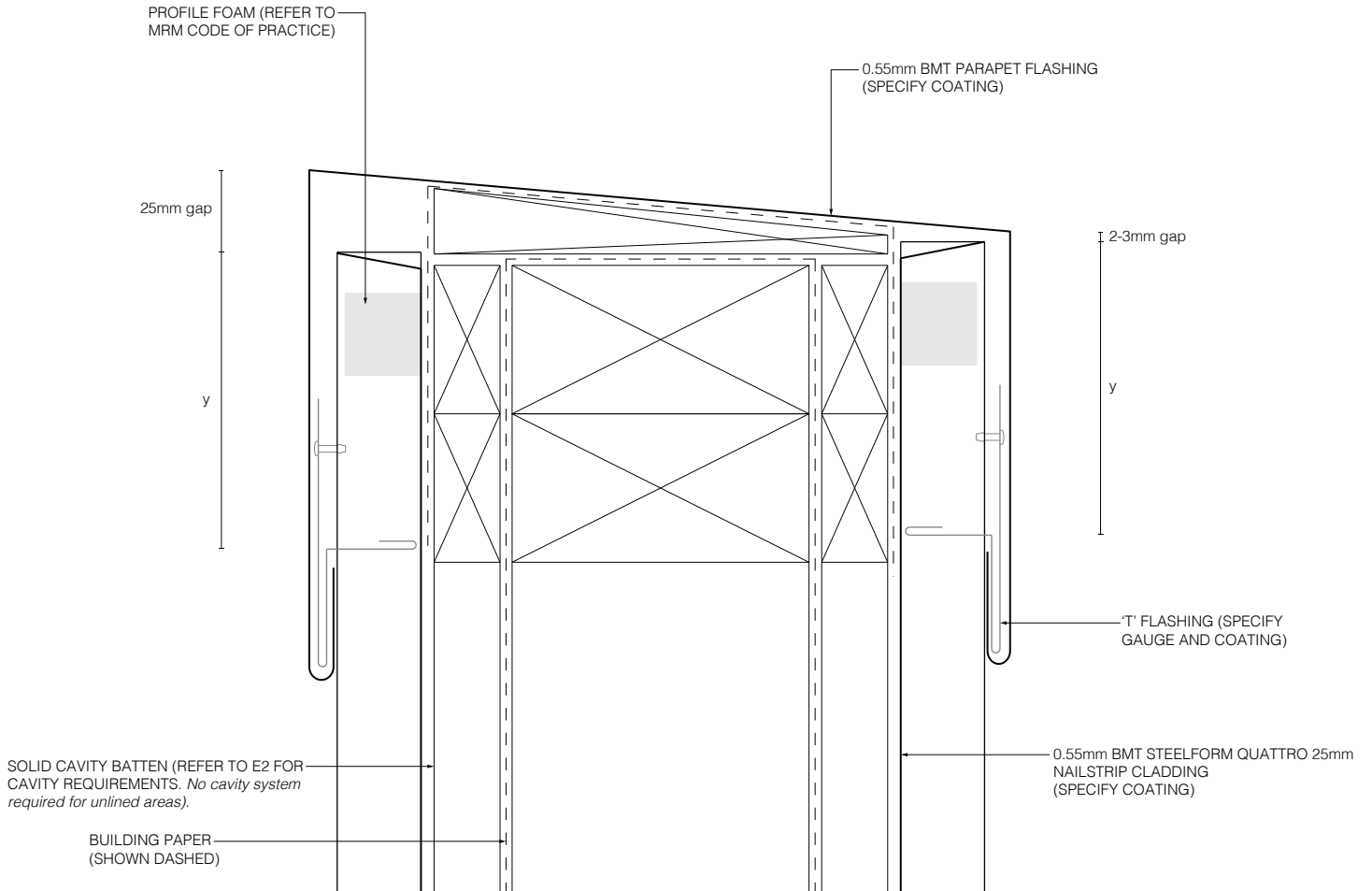
AUGUST 2021 / V1

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TYPICAL PARAPET FLASHING DETAIL



	<p>SITUATION 1 LOW/MEDIUM/HIGH WIND ZONES, AND ROOF PITCH IS 10° AND ABOVE</p>	<p>SITUATION 2 VERY HIGH WIND ZONE. ALL ROOF PITCHES</p>	<p>SITUATION 3 EXTRA HIGH WIND ZONE, ALL ROOF PITCHES</p>
x=	50mm	70mm	90mm
PLEASE REFER TO E2/AS1 TABLE 7 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS			



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

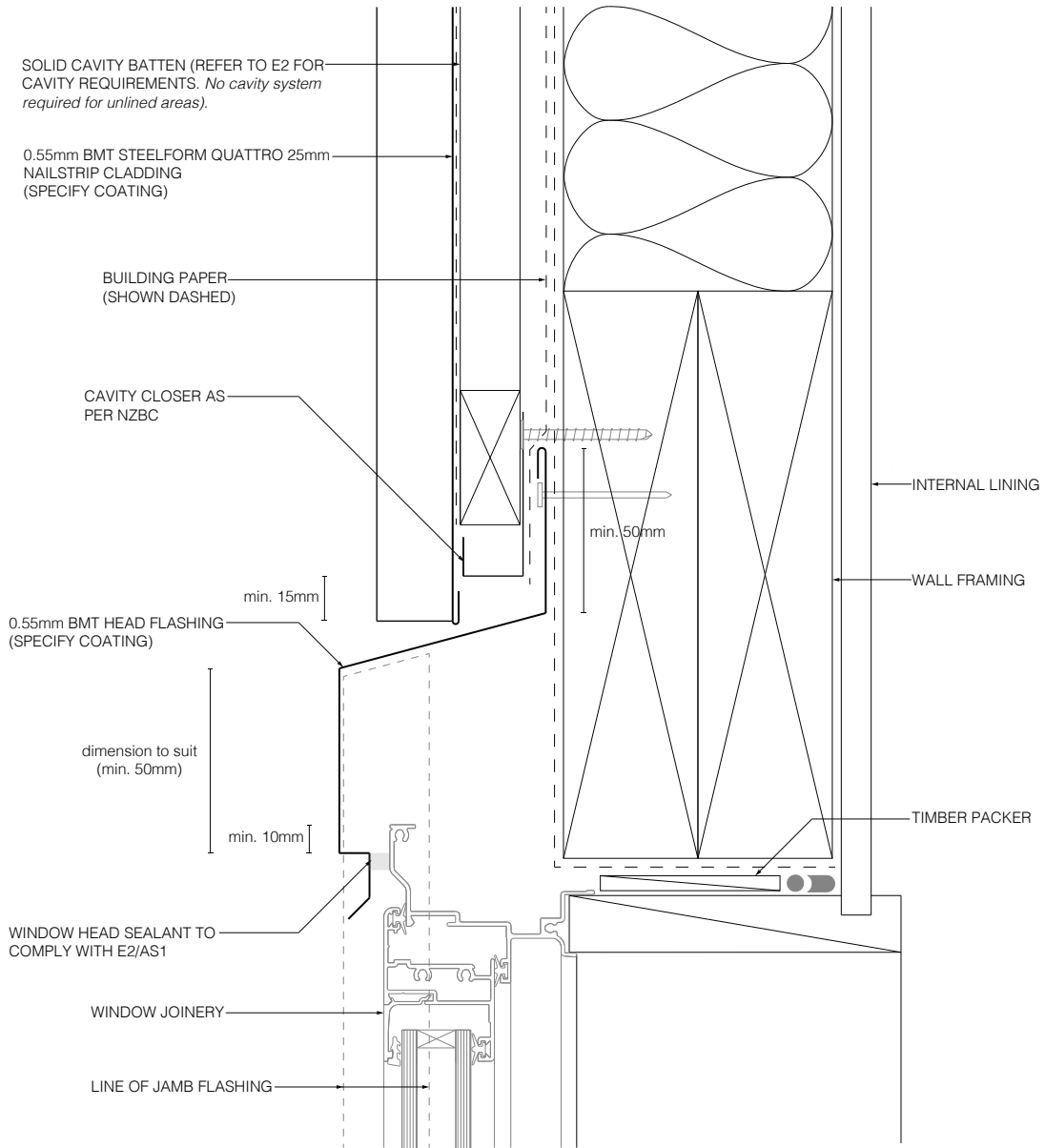
QUATTRO 25mm NAILSTRIP

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TYPICAL WINDOW (HEAD) DETAIL



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

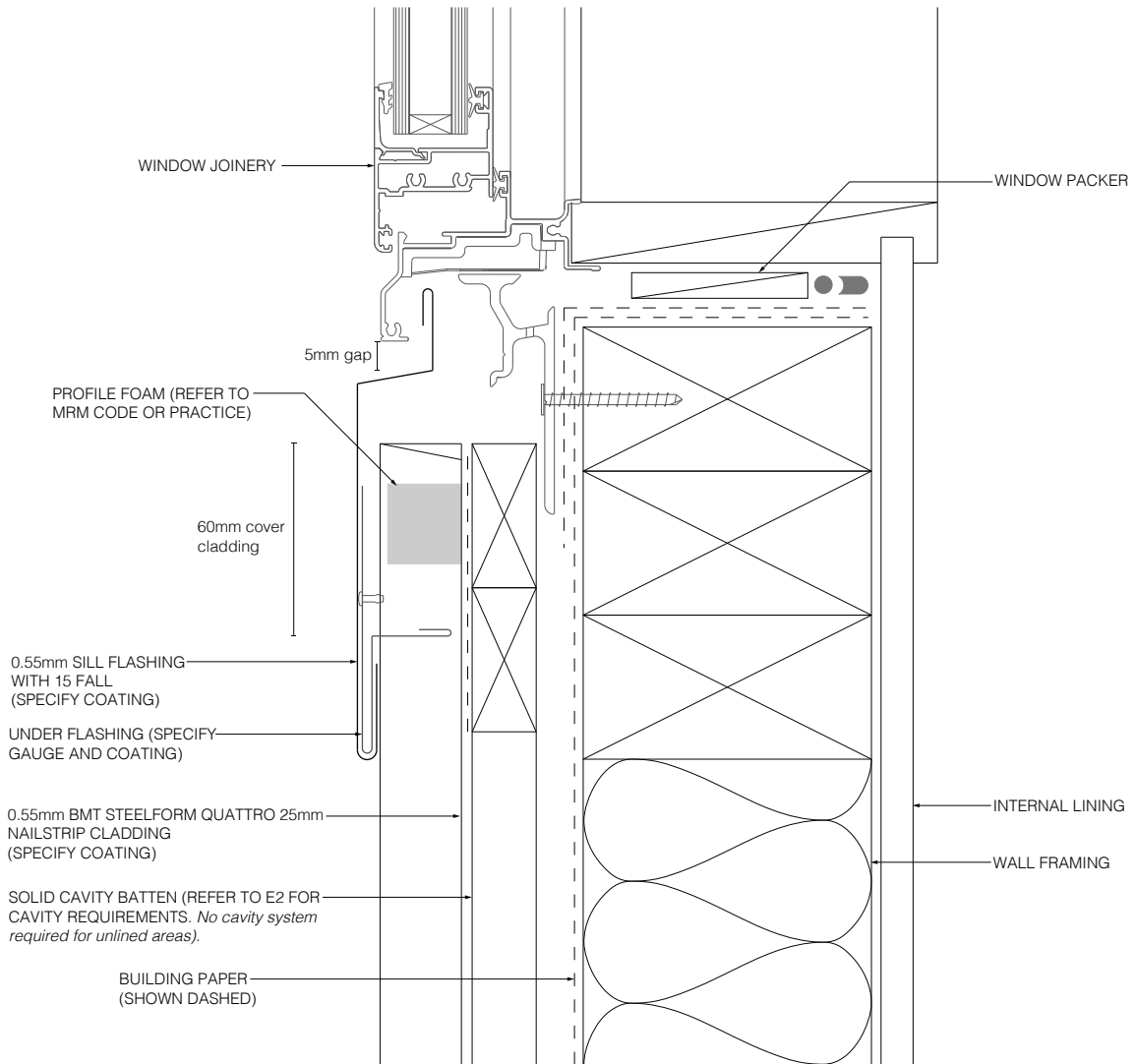
QUATTRO 25mm NAILSTRIP

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TYPICAL WINDOW (SILL) DETAIL



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

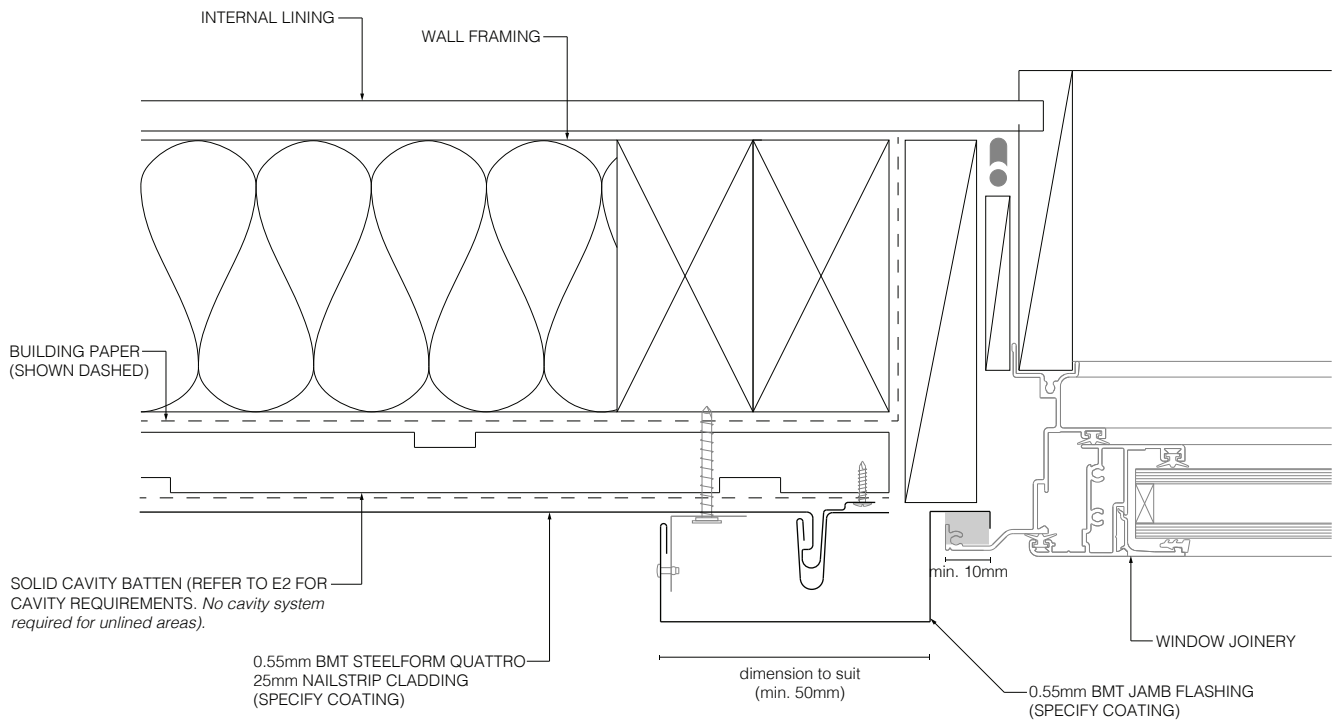
QUATTRO 25mm NAILSTRIP

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TYPICAL WINDOW (JAMB) DETAIL



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

QUATTRO 25mm NAILSTRIP



AUGUST 2021 / V1

RESIDENTIAL CLADDING

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IMPORTANT QUATTRO TRAY PROFILE INFORMATION

Prior to selecting the Steelformers Quattro range, it is strongly recommended that the customer and/or designer liaises with Steelformers as there are possible effects that may become evident when used. Ultimately, the use of any of the Steelformers Quattro range (as roofing and/or cladding) will be at Steelformers discretion.

Sound Reverberation

Given the wide tray, in adverse weather and wind conditions, reverberations of sound has been experienced in some cases. Therefore, site details including the degree of wind exposure need to be considered to ensure the Steelformers Quattro range is suitable for the environment in which it will be exposed. The customer will be advised by Steelformers if it is believed the range is not suitable.

Oil Canning

Oil Canning is the visible waviness in the flat trays of metal roofing and cladding. Oil canning is unavoidable and can occur during the forming and installation, and during the thermal expansion and contraction of the roof sheets during its life-cycle. (Please note, whilst oil canning is an aesthetic effect, it does not cause detriment to product performance.) The effect can be more or less pronounced depending on differing light and sun angles, the coating gloss levels and the chosen colour.

Oil canning can be reduced (but not eliminated) with the use of stiffening swages in the pans and/or by reducing the tray widths. If Steelformers deem reducing the tray widths is necessary, this will be discussed with the customer.

Swages

It is mandatory practice to run any of the Quattro tray profiles with swages in the pans. If a customer would like their profile run without swages it will be at Steelformers discretion on a case-by-case basis.

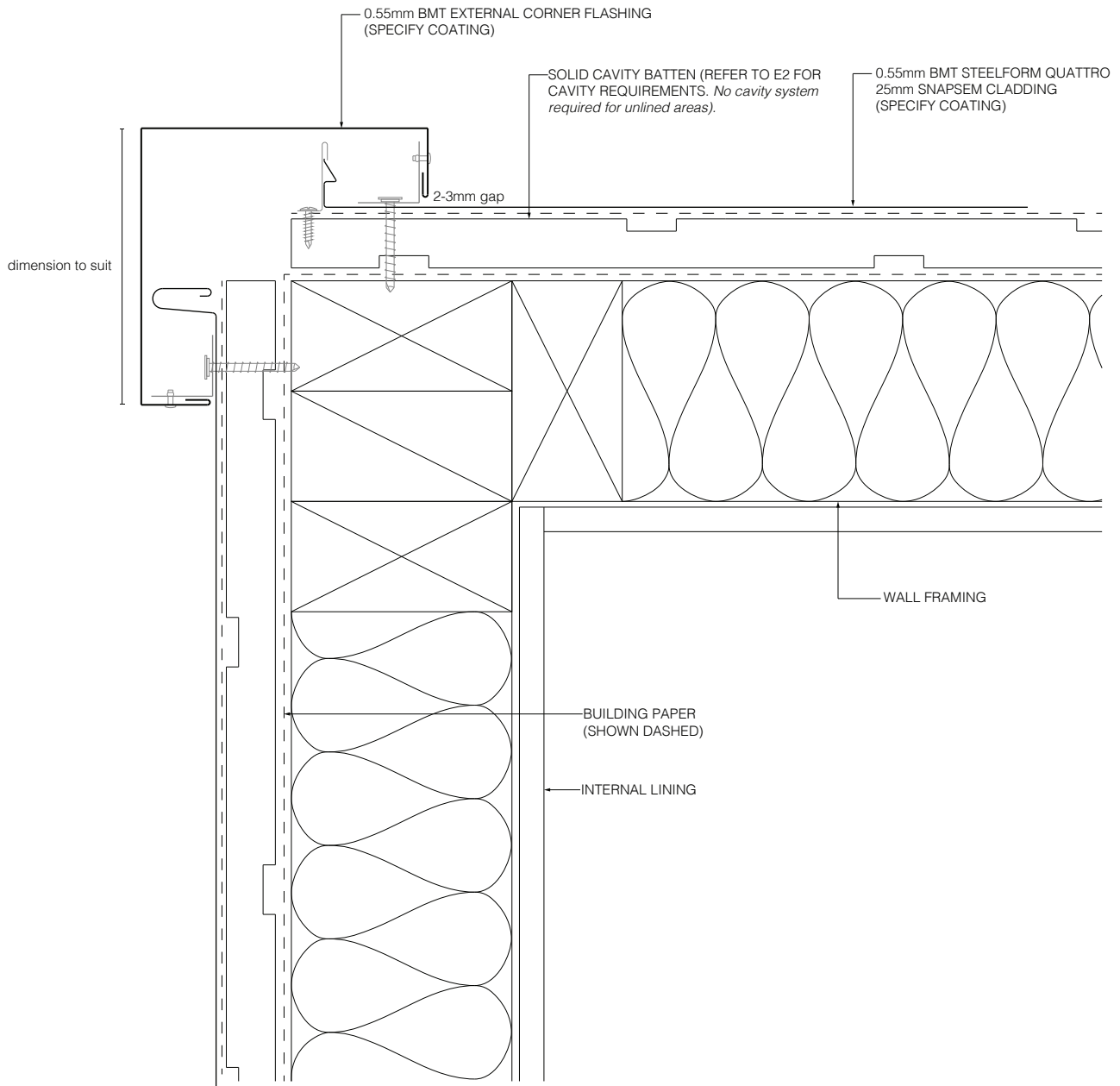
IMPORTANT UPDATES REGARDING QUATTRO 45MM SNAPSEAM REQUIREMENTS

To ensure the Quattro 45mm Snapseam profile performs consistently in New Zealand's range of environments, Steelformers are implementing some important factors:

- All Quattro 45mm Snapseam jobs must be reviewed by one of the Steelformers Sales Representatives prior to the job commencing. Contact your nearest branch to begin this process.
- All Quattro 45mm Snapseam jobs must be installed using Steelformers flashing details. These are available for download at www.steelformers.co.nz.
- DuPont™ Tyvek® Metal Roof Underlay (or an equivalent product, at Steelformers discretion) is required to be used with Quattro 45mm Snapseam in all wind zones. In Extra High or Specific Engineering Design (SED) wind zones (or areas that may experience these conditions), Quattro 45mm Snapseam used as roofing will require the use of an additional plywood substrate.
- Use of 45mm Snapseam in Extra High or Specific Engineering Design (SED) wind zones (or areas that may experience these conditions) areas are subject to review by a Steelformers Sales Representative on a case-by-case basis. This may also apply to our other range of Quattro products in these applications.
- Steelformers also now requires that in all wind zones when installing Quattro 45mm Snapseam, clips must be fixed to all ribs of all purlin lines (or nog lines for wall applications).

Steelformers deem these changes as necessary to ensure our products perform to the highest standards. Please note, we cannot be responsible for performance of our products when our details and/or installation advice have not been followed. If you have any questions or queries, please do not hesitate to contact your nearest Steelformers branch.

TYPICAL EXTERNAL CORNER DETAIL



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

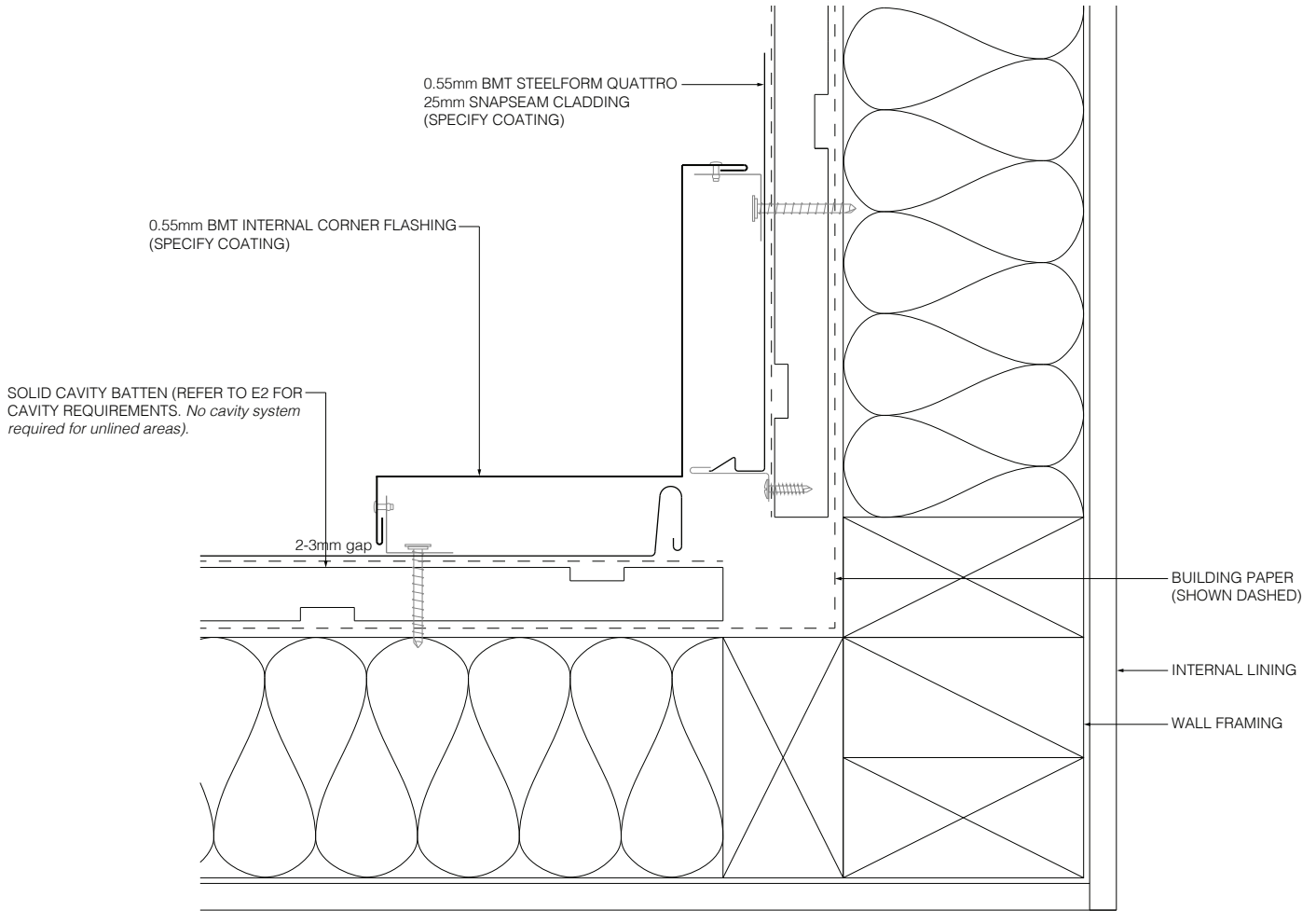
QUATTRO 25mm SNAPSEM

RESIDENTIAL CLADDING

NOT TO SCALE

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TYPICAL INTERNAL CORNER DETAIL



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

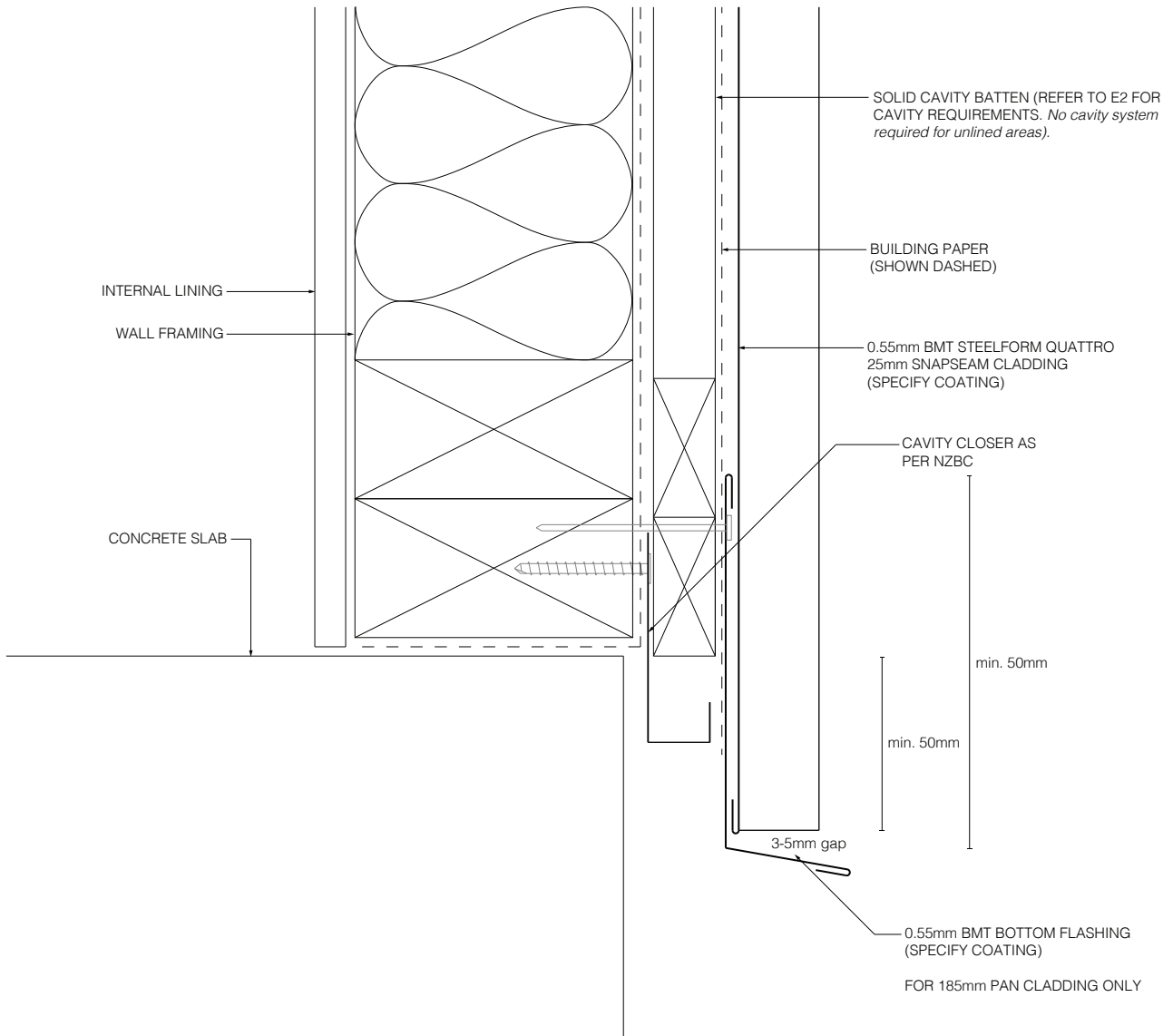
QUATTRO 25mm SNAPSEAM

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TYPICAL BOTTOM FLASHING DETAIL
 For 185mm tray cladding only



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

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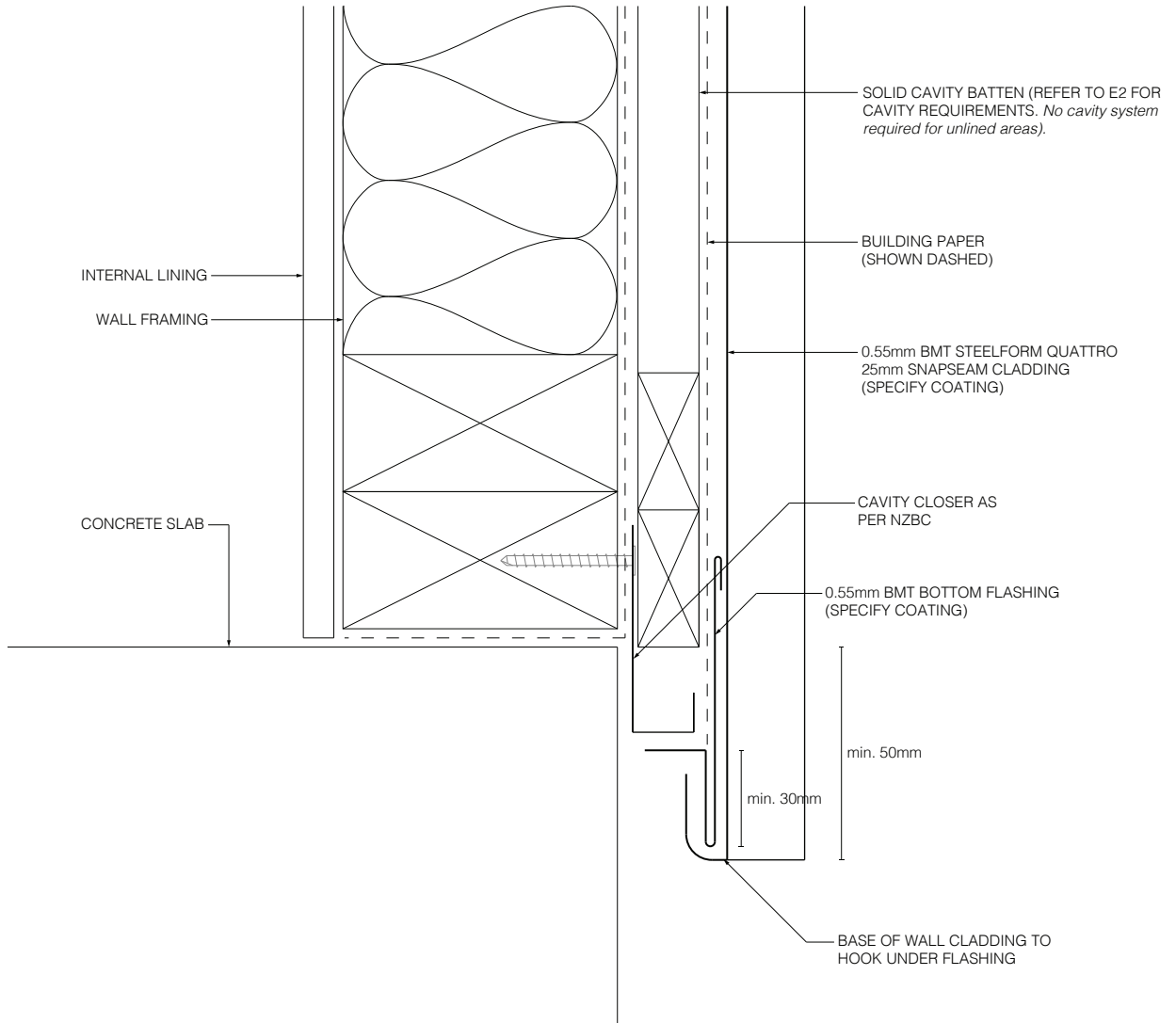
QUATTRO 25mm SNAPSEAM

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TYPICAL BOTTOM FLASHING DETAIL



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

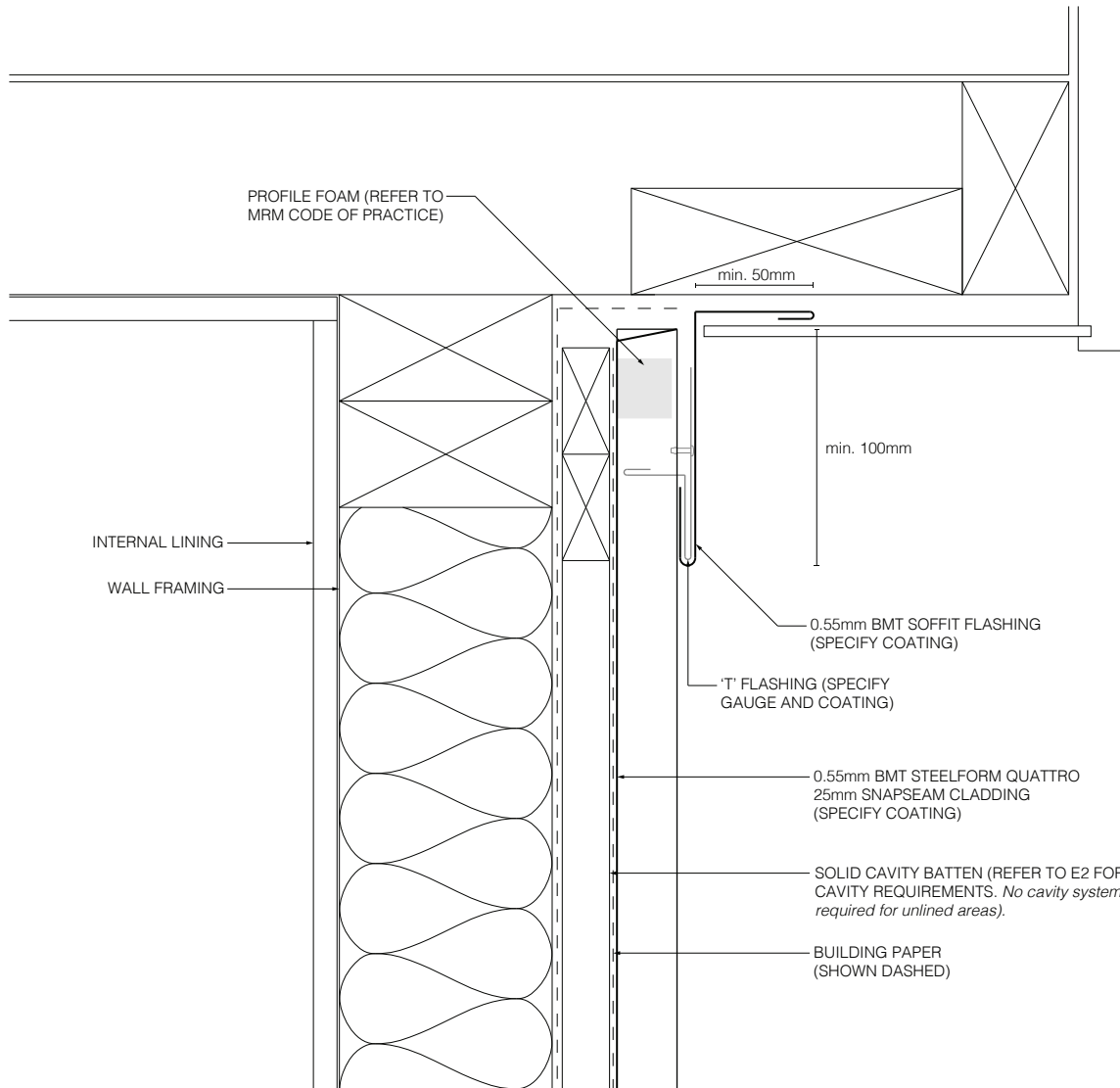
QUATTRO 25mm SNAPSEAM

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TYPICAL SOFFIT FLASHING DETAIL



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

QUATTRO 25mm SNAPSEAM

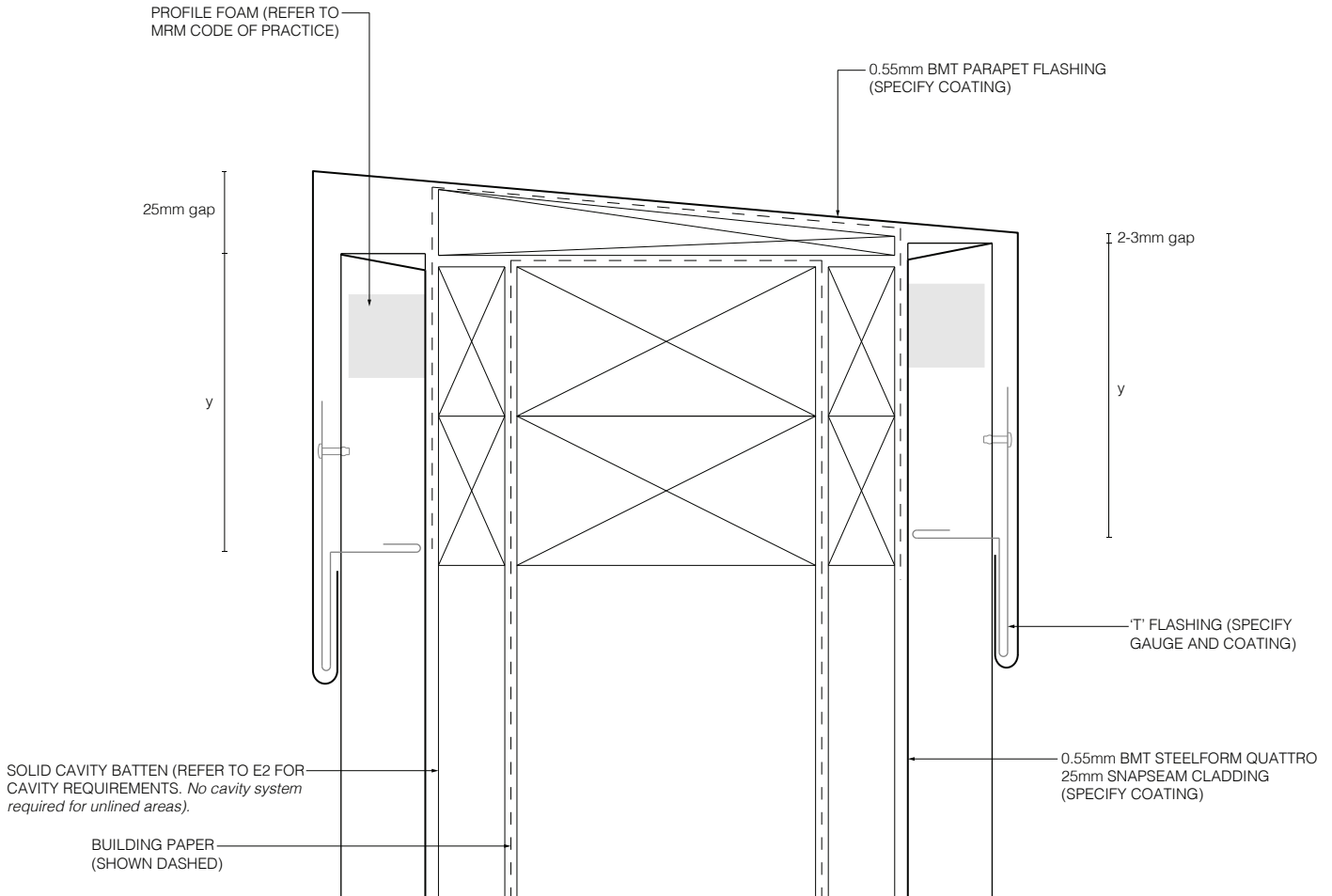
AUGUST 2021 / V1

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TYPICAL PARAPET FLASHING DETAIL



	SITUATION 1 LOW/MEDIUM/HIGH WIND ZONES, AND ROOF PITCH IS 10° AND ABOVE	SITUATION 2 VERY HIGH WIND ZONE. ALL ROOF PITCHES	SITUATION 3 EXTRA HIGH WIND ZONE, ALL ROOF PITCHES
x=	50mm	70mm	90mm
PLEASE REFER TO E2/AS1 TABLE 7 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS			



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

QUATTRO 25mm SNAPSEAM

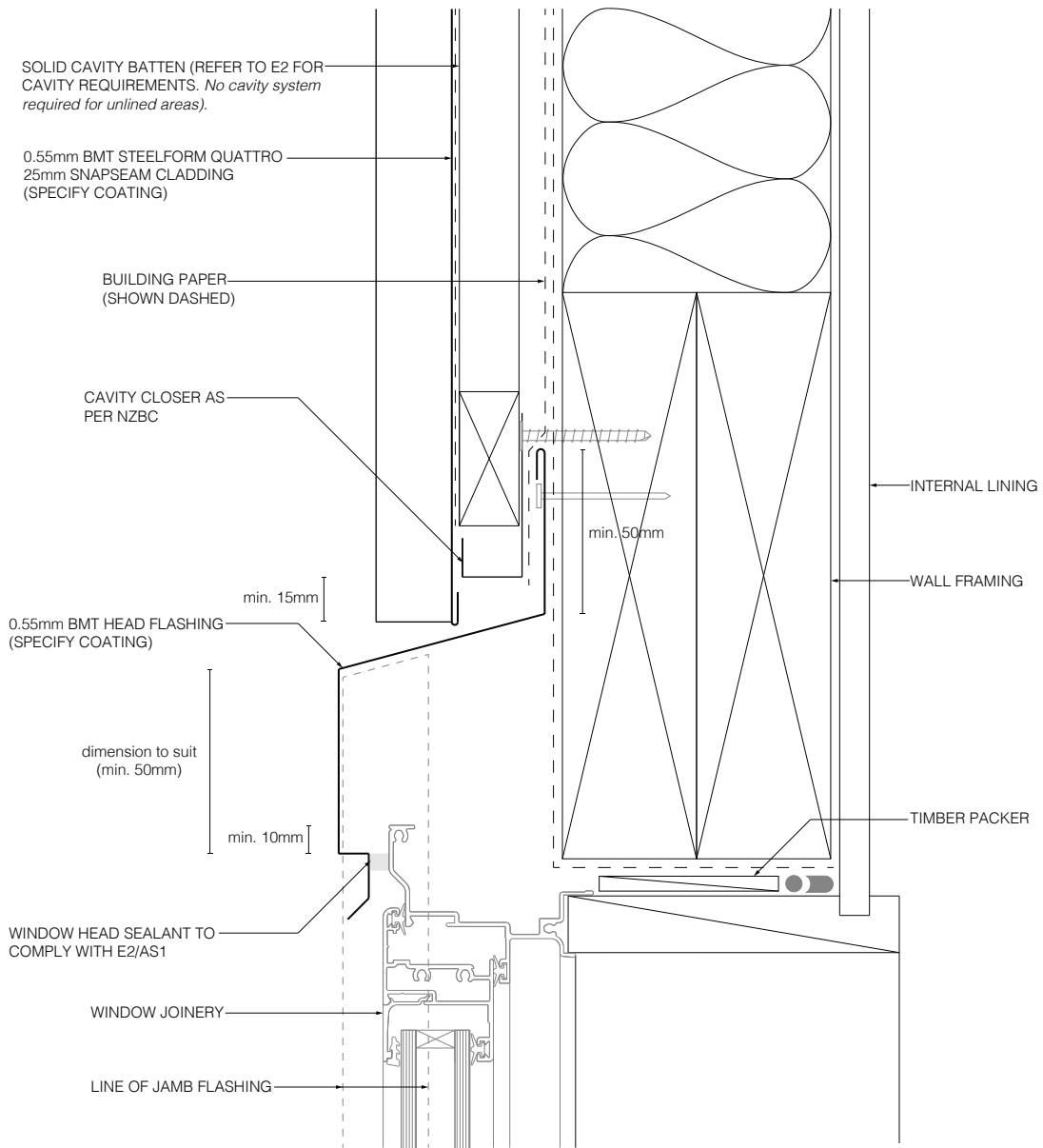
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TYPICAL WINDOW (HEAD) DETAIL



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

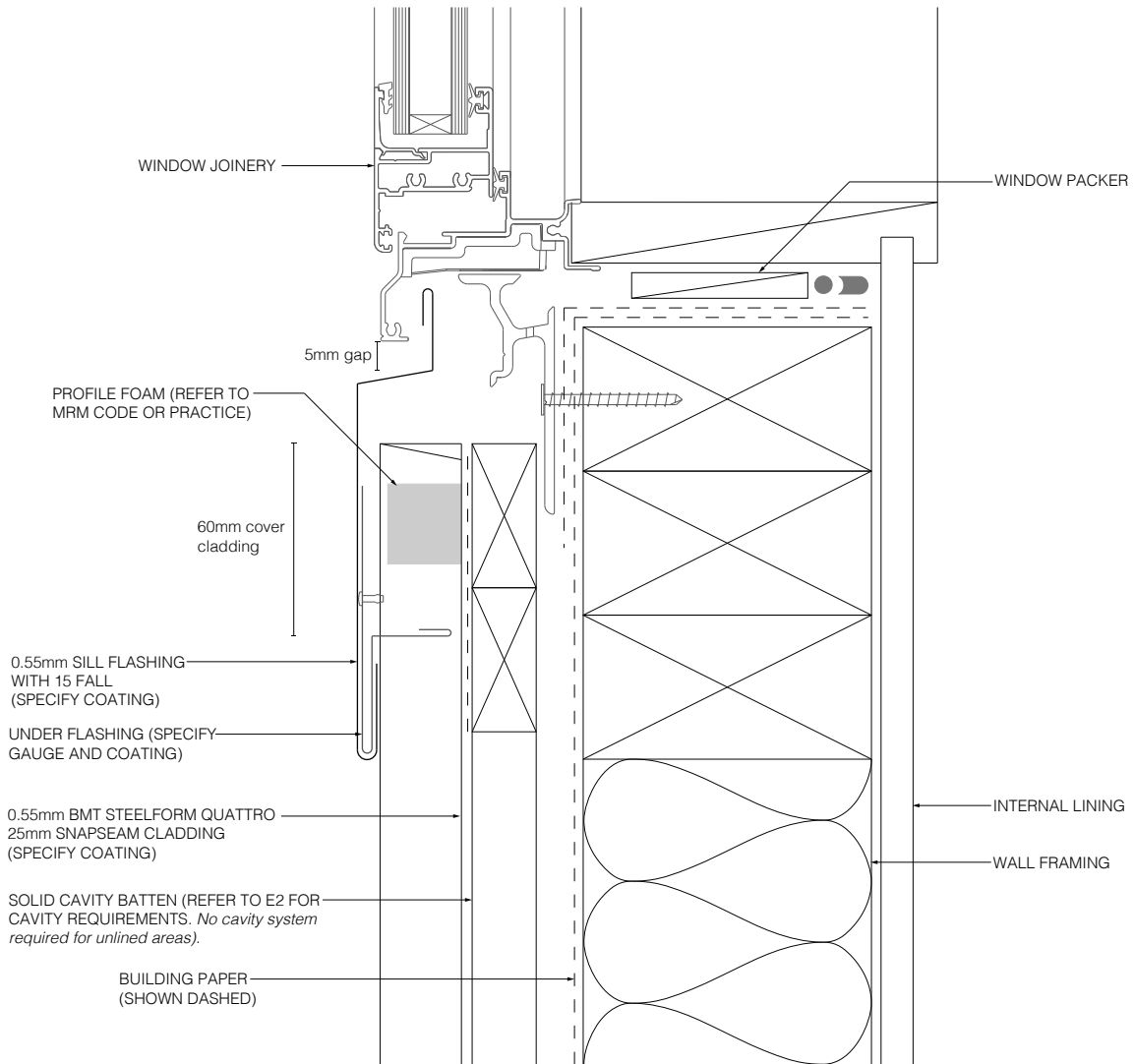
QUATTRO 25mm SNAPSEAM

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TYPICAL WINDOW (SILL) DETAIL



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

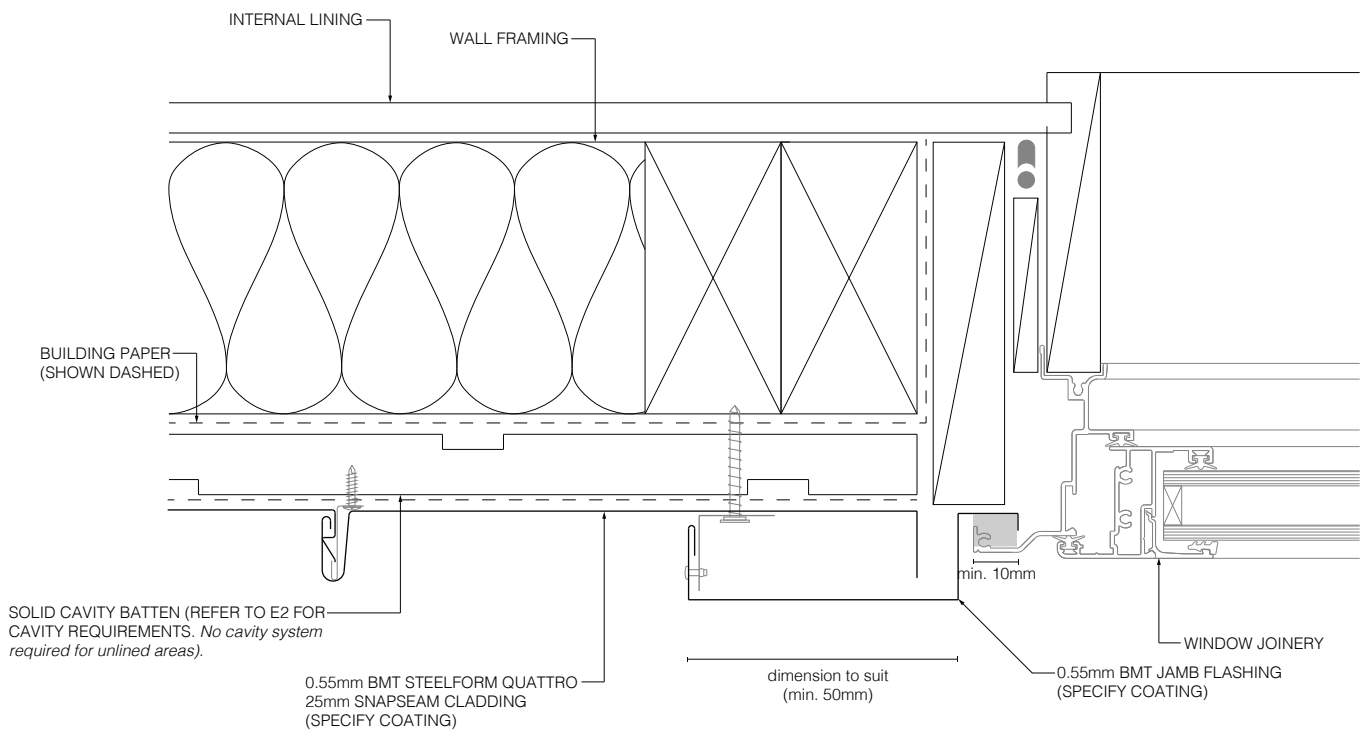
QUATTRO 25mm SNAPSEAM

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TYPICAL WINDOW (JAMB) DETAIL



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

QUATTRO 25mm SNAPSEAM



AUGUST 2021 / V1

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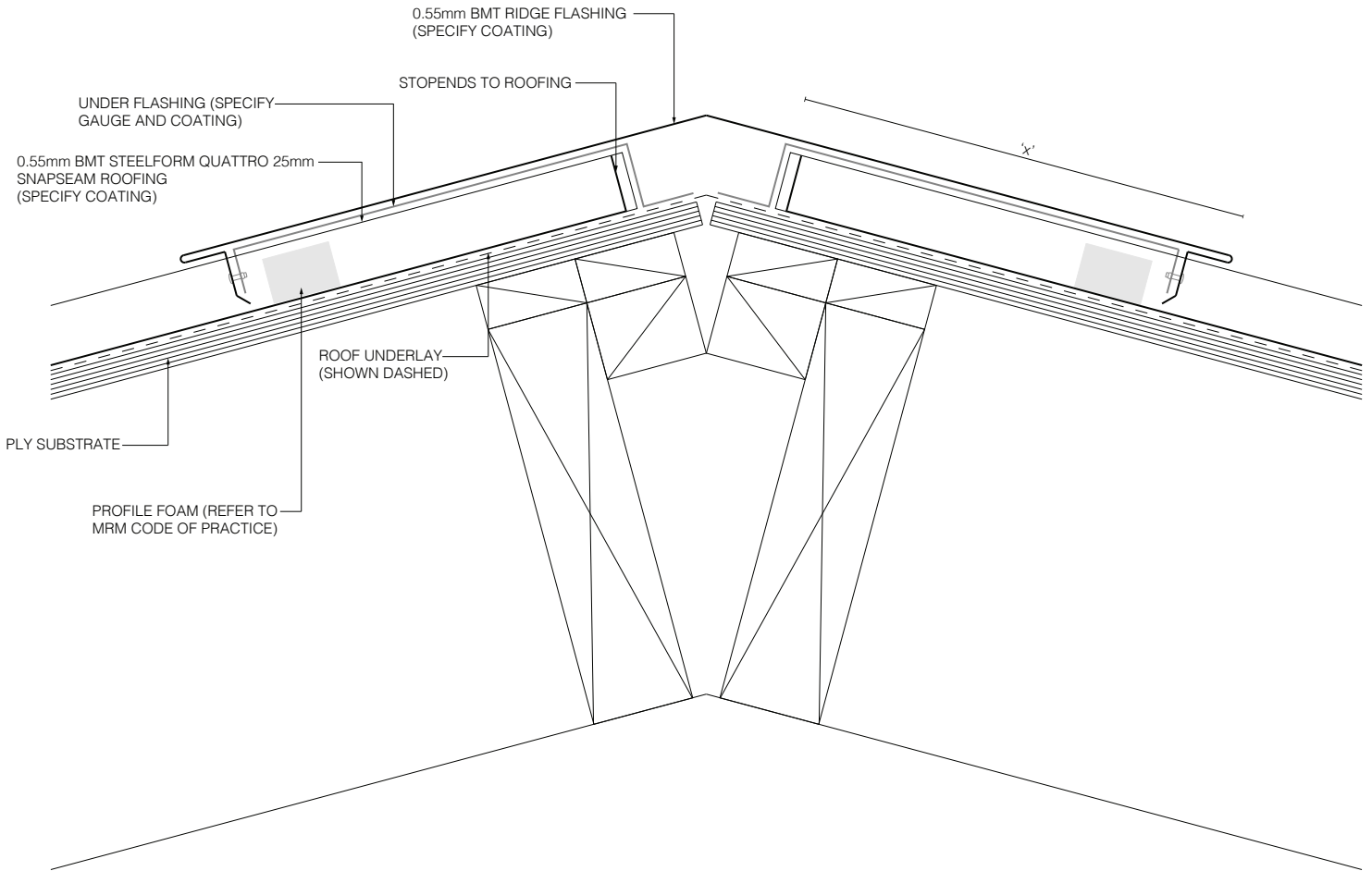
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- Use of 45mm Snapseam in Extra High or Specific Engineering Design (SED) wind zones (or areas that may experience these conditions) areas are subject to review by a Steelformers Sales Representative on a case-by-case basis. This may also apply to our other range of Quattro products in these applications.
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TYPICAL RIDGE FLASHING DETAIL



x=	<p>SITUATION 1 LOW/MEDIUM/HIGH WIND ZONES, AND ROOF PITCH IS 10° AND ABOVE</p> <p>min 130mm</p>	<p>SITUATION 2 VERY HIGH WIND ZONE. ALL ROOF PITCHES</p> <p>min 200mm</p>	<p>SITUATION 3 EXTRA HIGH WIND ZONE, ALL ROOF PITCHES</p> <p>min 200mm</p>
	PLEASE REFER TO E2/AS1 TABLE 7 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS		
x=	<p>CATEGORY A LOW/MEDIUM/HIGH WIND ZONES, AND WHERE THE PITCH IS NO LESS THAT 10°</p> <p>min 130mm</p>	<p>CATEGORY B VERY HIGH/EXTRA HIGH WIND ZONES. OR WHERE THE PITCH IS LESS THAN 10°</p> <p>min 200mm</p>	
	PLEASE REFER TO THE NZ MRM CODE OF PRACTICE FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS		



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

QUATTRO 25mm SNAPSEAM

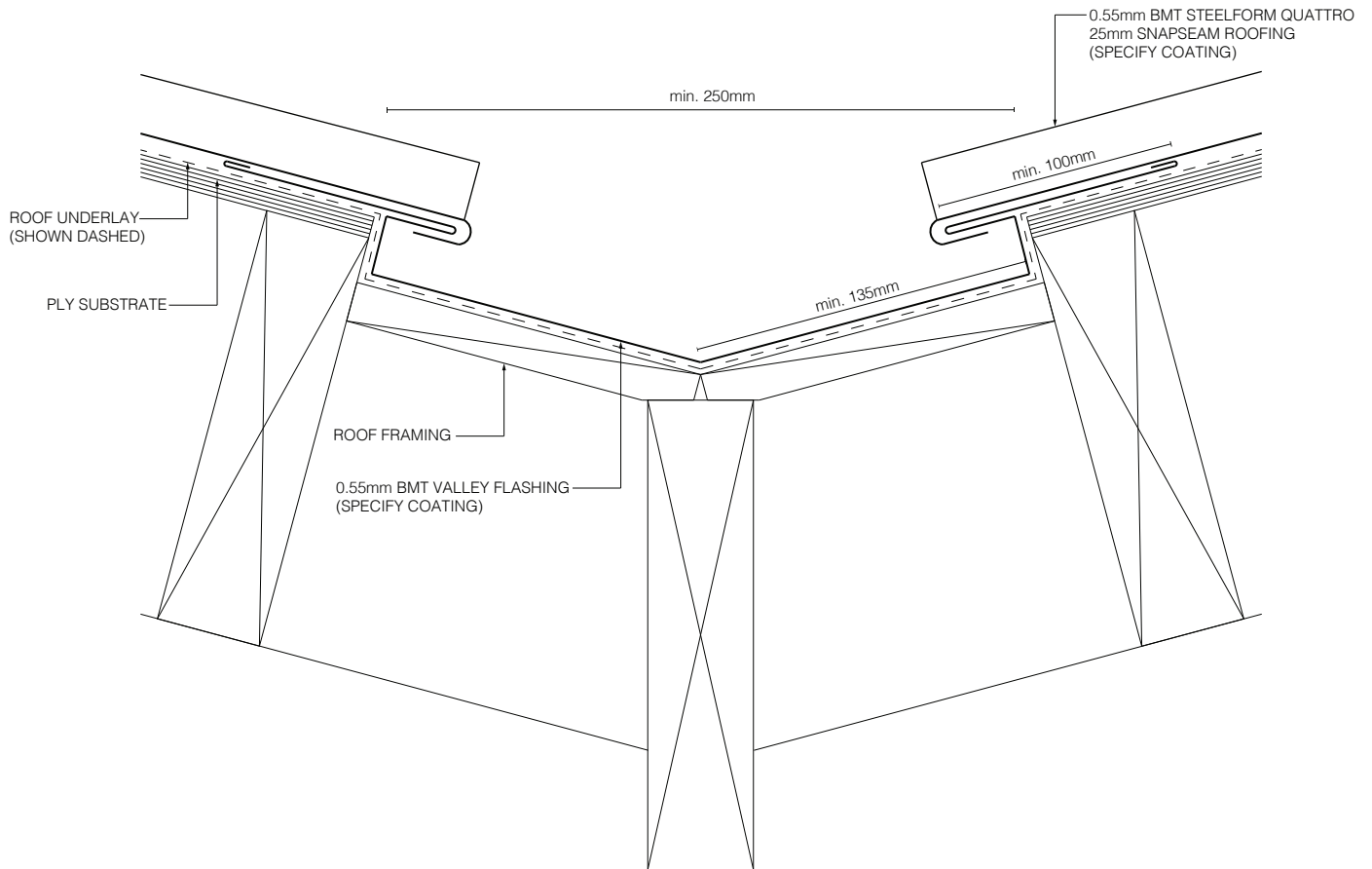
AUGUST 2021 / V1

RESIDENTIAL ROOFING

NOT TO SCALE

All details are indicative only and the designer should refer to the NZMRM Code of Practice, E2/AS1 and all other relevant building codes. Building paper is detailed as a single line for simplicity and is indicative only. Building paper type and method of installation should comply with the manufacturers recommendations and the New Zealand Building Code. Profile foam closure strip is required for bird or vermin proofing, or if in a wind zone where there is a risk of wind-blown moisture entering the building. It is mandatory practice to run all Quattro tray profiles with swages in the pans.

TYPICAL VALLEY FLASHING DETAIL



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

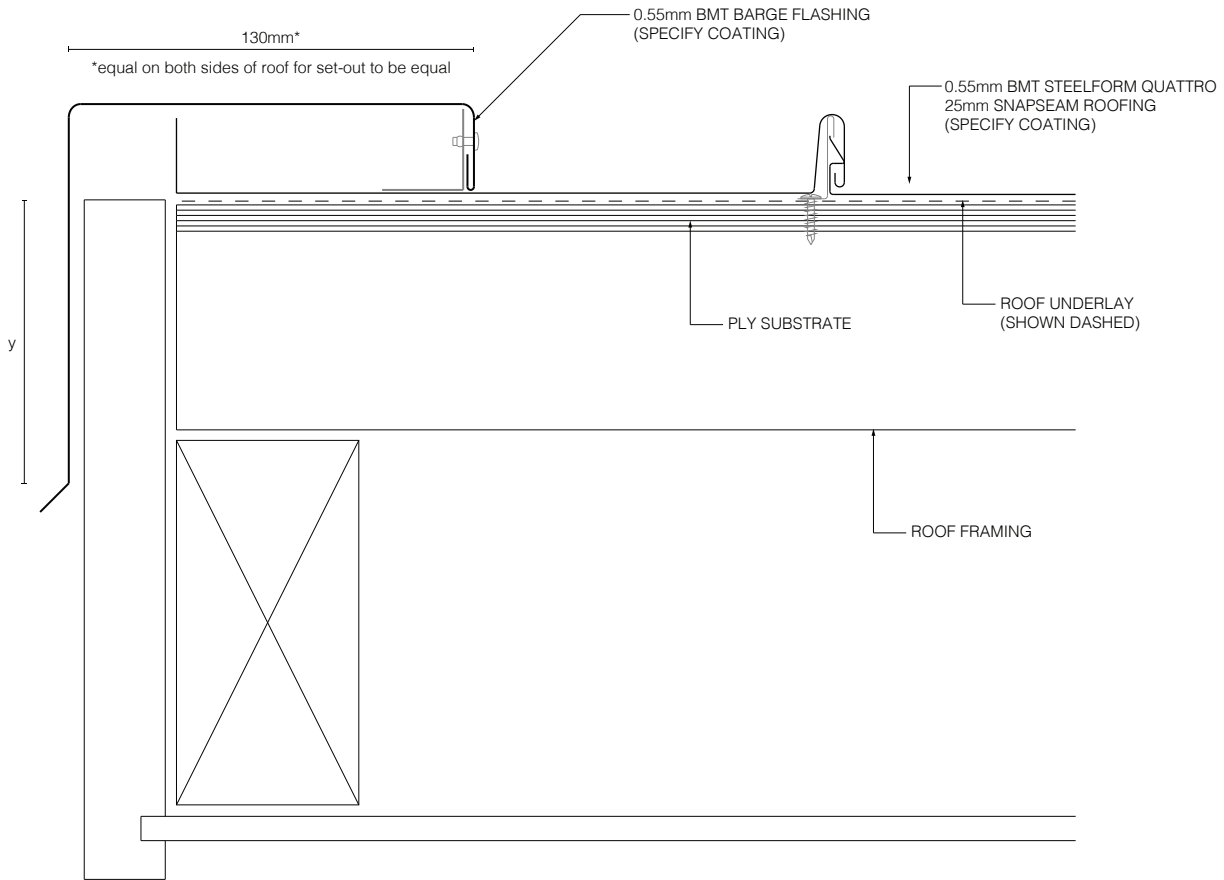
QUATTRO 25mm SNAPSEAM

RESIDENTIAL ROOFING

NOT TO SCALE

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TYPICAL BARGE FLASHING DETAIL



	SITUATION 1 LOW/MEDIUM/HIGH WIND ZONES, AND ROOF PITCH IS 10° AND ABOVE	SITUATION 2 VERY HIGH WIND ZONE. ALL ROOF PITCHES	SITUATION 3 EXTRA HIGH WIND ZONE, ALL ROOF PITCHES
x=	min. 50mm	min. 70mm	min. 90mm
PLEASE REFER TO E2/AS1 TABLE 7 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS			



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

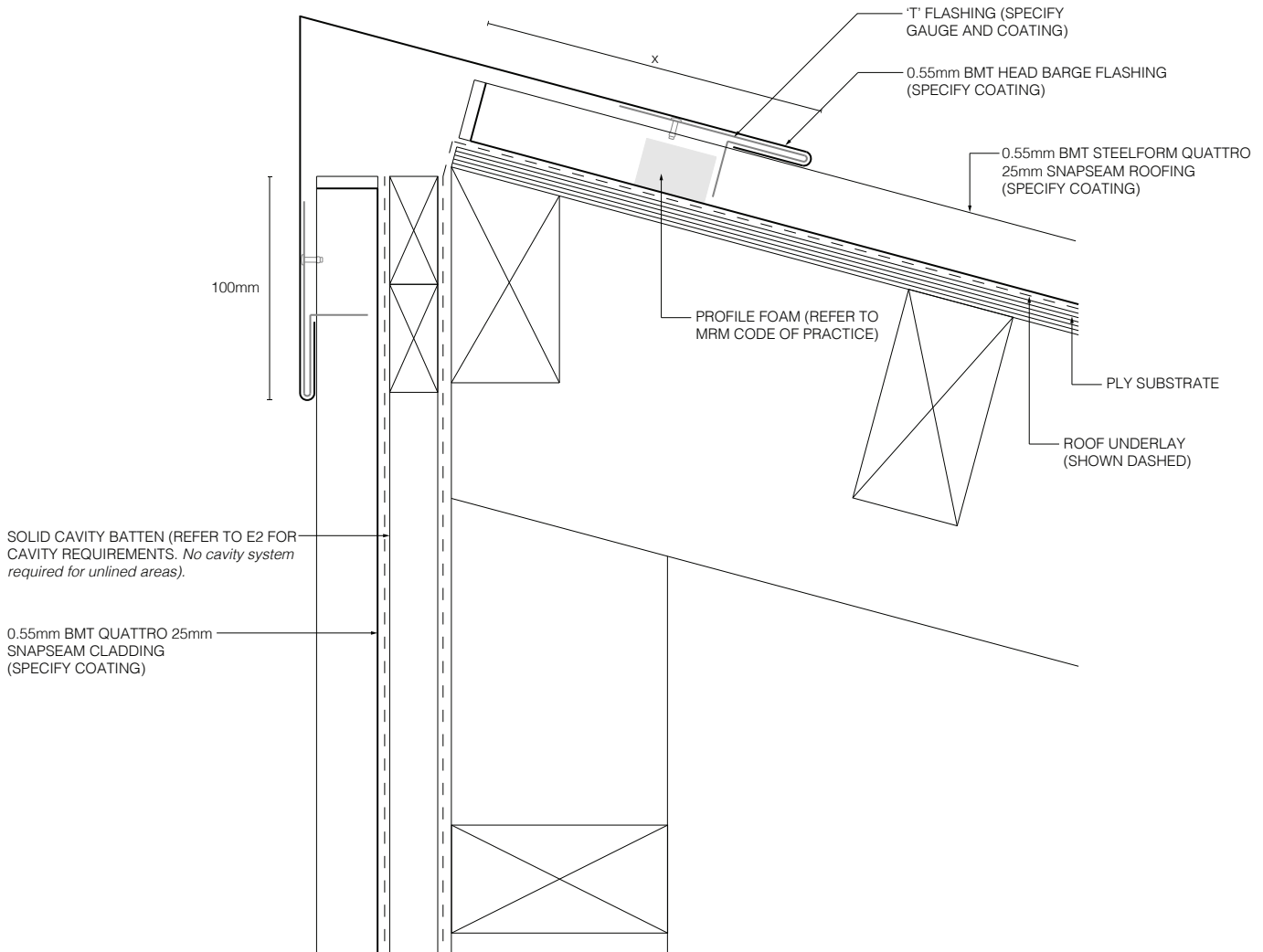
QUATTRO 25mm SNAPSEAM

RESIDENTIAL ROOFING

NOT TO SCALE

All details are indicative only and the designer should refer to the NZMRM Code of Practice, E2/AS1 and all other relevant building codes. Building paper is detailed as a single line for simplicity and is indicative only. Building paper type and method of installation should comply with the manufacturers recommendations and the New Zealand Building Code. Profile foam closure strip is required for bird or vermin proofing, or if in a wind zone where there is a risk of wind-blown moisture entering the building. It is mandatory practice to run all Quattro tray profiles with swages in the pans.

TYPICAL HEAD BARGE FLASHING DETAIL



	SITUATION 1 LOW/MEDIUM/HIGH WIND ZONES, AND ROOF PITCH IS 10° AND ABOVE	SITUATION 2 VERY HIGH WIND ZONE. ALL ROOF PITCHES	SITUATION 3 EXTRA HIGH WIND ZONE, ALL ROOF PITCHES
x=	min 130mm	min 200mm	min 200mm
PLEASE REFER TO E2/AS1 TABLE 7 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS			



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

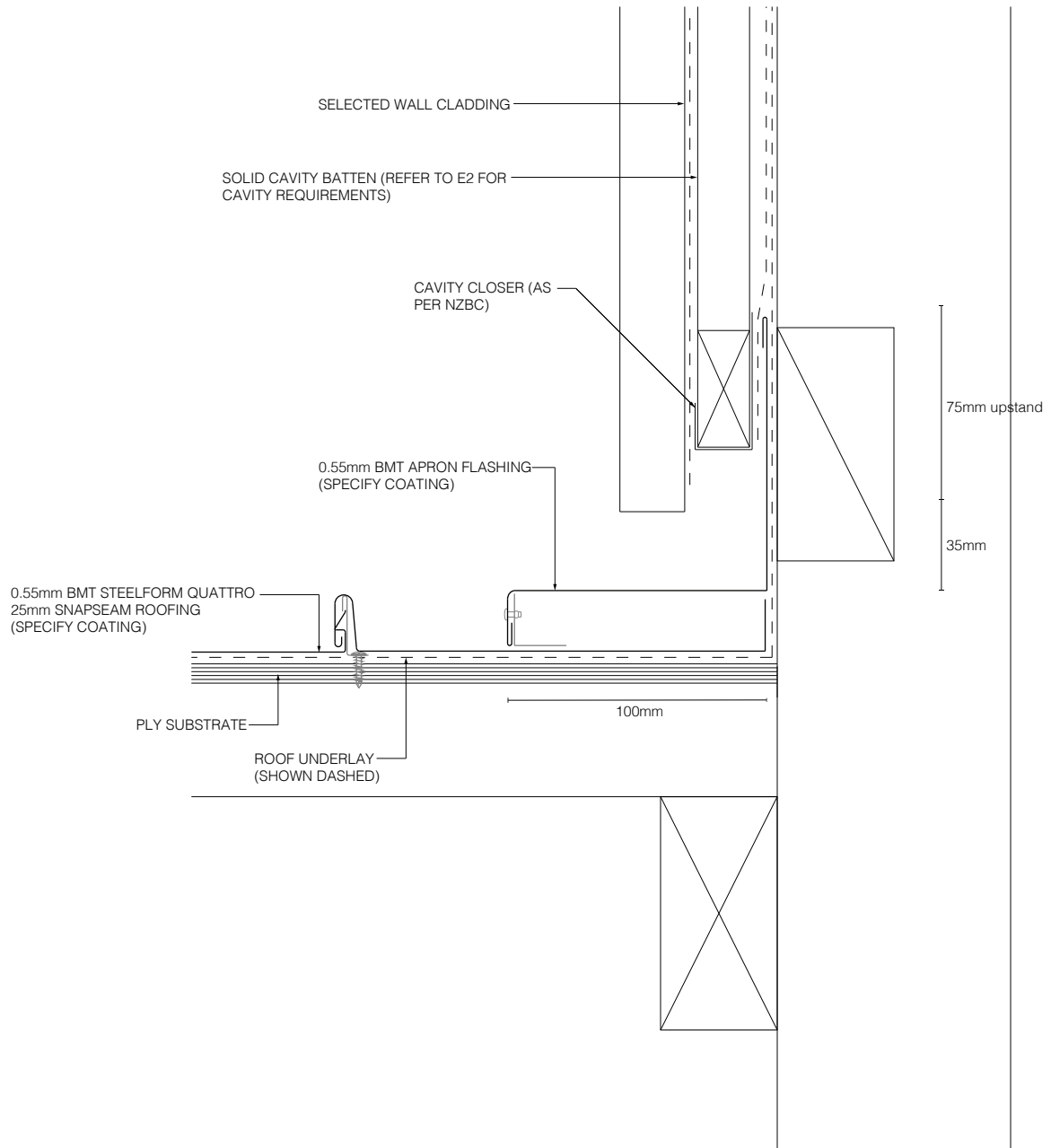
QUATTRO 25mm SNAPSEAM

RESIDENTIAL ROOFING

NOT TO SCALE

All details are indicative only and the designer should refer to the NZMRM Code of Practice, E2/AS1 and all other relevant building codes. Construction details for wall cladding can vary and framing layout is for indicative purposes only. Make reference to E2/AS1 for cavity requirements. No cavity system is required for unlined areas. Nog spacing requirements will vary from 450mm-900mm depending on wind zone. Building paper is detailed as a single line for simplicity and is indicative only. Building paper type and method of installation should comply with the manufacturers recommendations and the New Zealand Building Code. Profile foam closure strip is required for bird or vermin proofing, or if in a wind zone where there is a risk of wind-blown moisture entering the building. It is mandatory practice to run all Quattro tray profiles with swages in the pans.

TYPICAL APRON FLASHING DETAIL



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

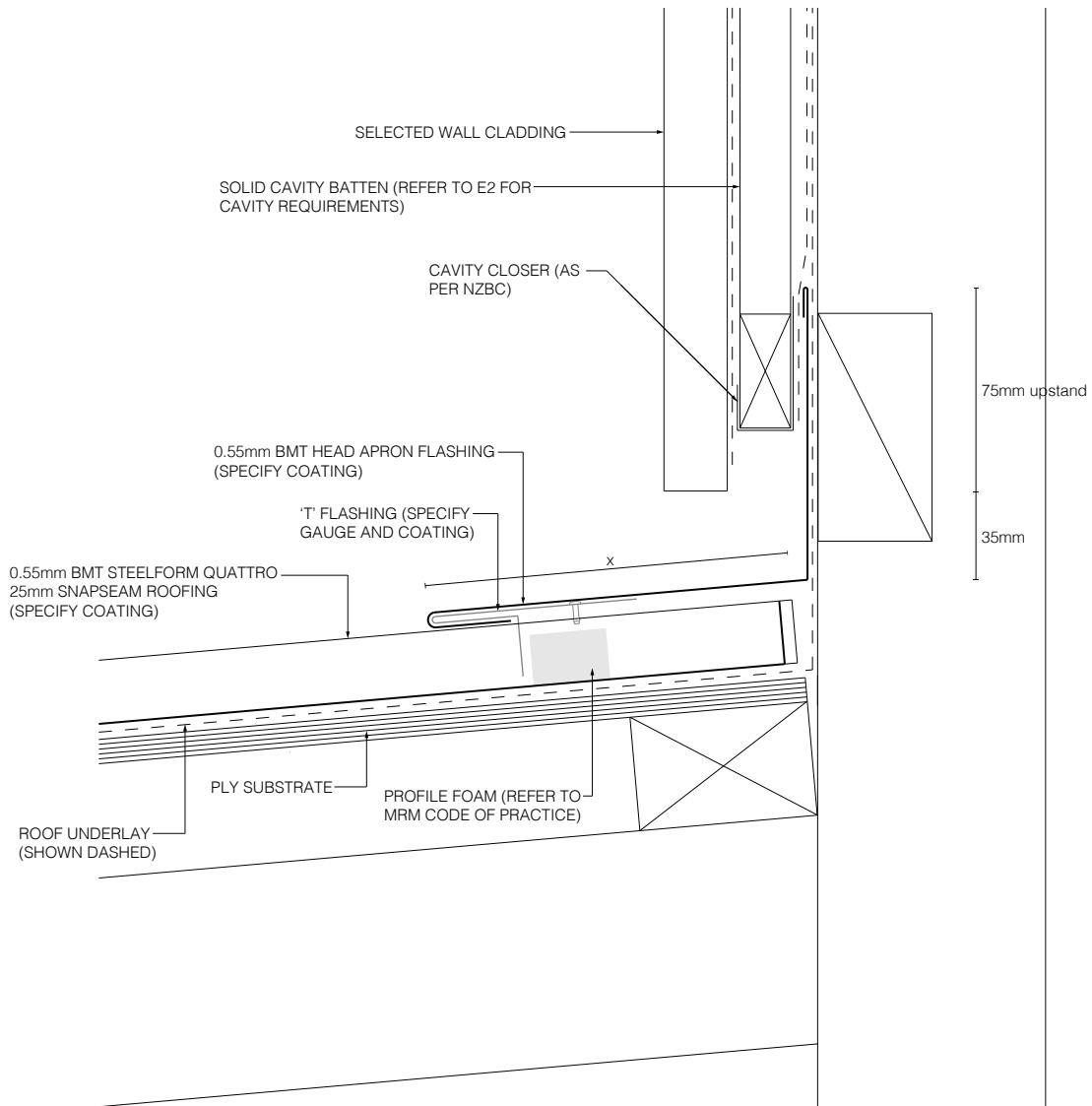
QUATTRO 25mm SNAPSEAM

RESIDENTIAL ROOFING

NOT TO SCALE

All details are indicative only and the designer should refer to the NZMRM Code of Practice, E2/AS1 and all other relevant building codes. Construction details for wall cladding can vary and framing layout is for indicative purposes only. Make reference to E2/AS1 for cavity requirements. Building paper is detailed as a single line for simplicity and is indicative only. Building paper type and method of installation should comply with the manufacturers recommendations and the New Zealand Building Code. Profile foam closure strip is required for bird or vermin proofing, or if in a wind zone where there is a risk of wind-blown moisture entering the building. It is mandatory practice to run all Quattro tray profiles with swages in the pans.

TYPICAL HEAD APRON FLASHING DETAIL



	<p>SITUATION 1 LOW/MEDIUM/HIGH WIND ZONES, AND ROOF PITCH IS 10° AND ABOVE</p> <p>min. 130mm</p>	<p>SITUATION 2 VERY HIGH WIND ZONE. ALL ROOF PITCHES</p> <p>min. 200mm</p>	<p>SITUATION 3 EXTRA HIGH WIND ZONE, ALL ROOF PITCHES</p> <p>min. 200mm</p>
x=			
PLEASE REFER TO E2/AS1 TABLE 7 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS			



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

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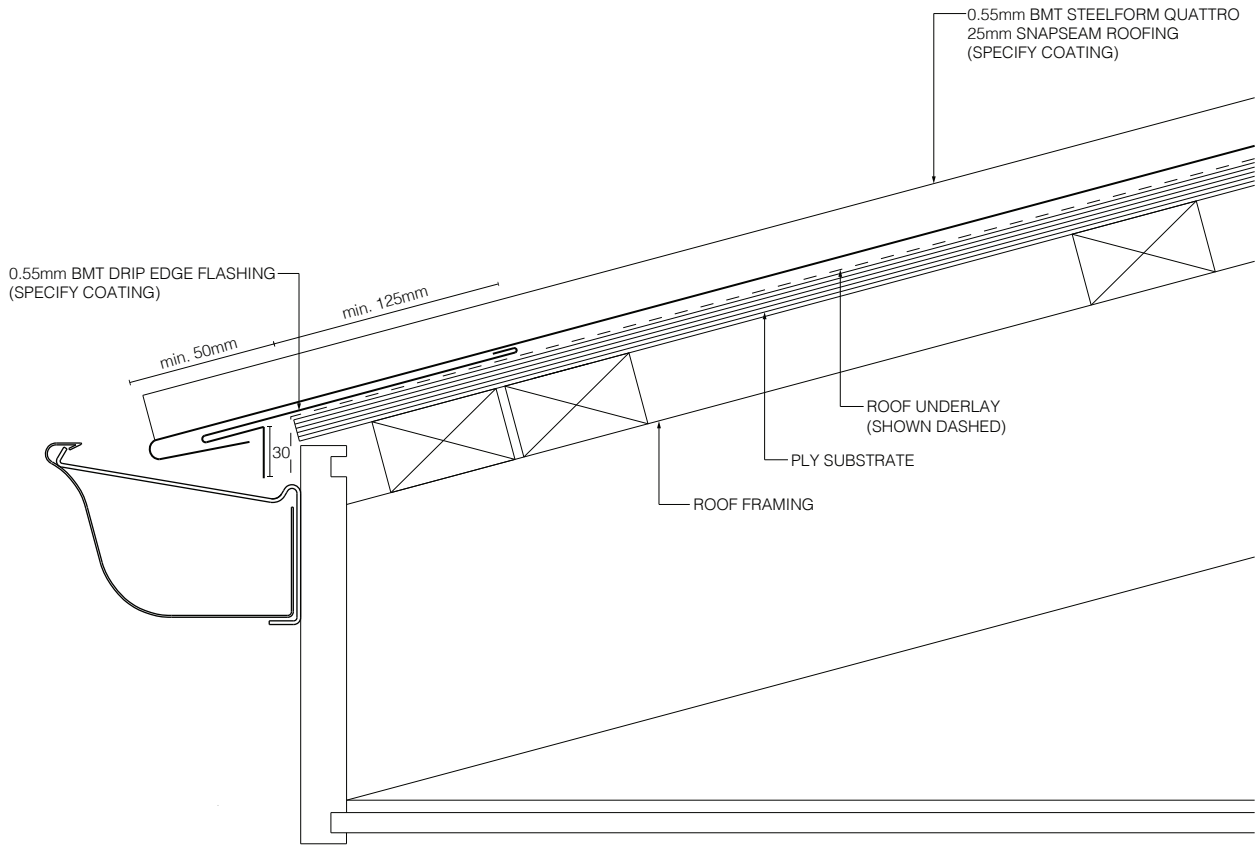
QUATTRO 25mm SNAPSEAM

RESIDENTIAL ROOFING

NOT TO SCALE

All details are indicative only and the designer should refer to the NZMRM Code of Practice, E2/AS1 and all other relevant building codes. Construction details for wall cladding can vary and framing layout is for indicative purposes only. Make reference to E2/AS1 for cavity requirements. Building paper is detailed as a single line for simplicity and is indicative only. Building paper type and method of installation should comply with the manufacturers recommendations and the New Zealand Building Code. Profile foam closure strip is required for bird or vermin proofing, or if in a wind zone where there is a risk of wind-blown moisture entering the building. It is mandatory practice to run all Quattro tray profiles with swages in the pans.

TYPICAL DRIP EDGE FLASHING DETAIL



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

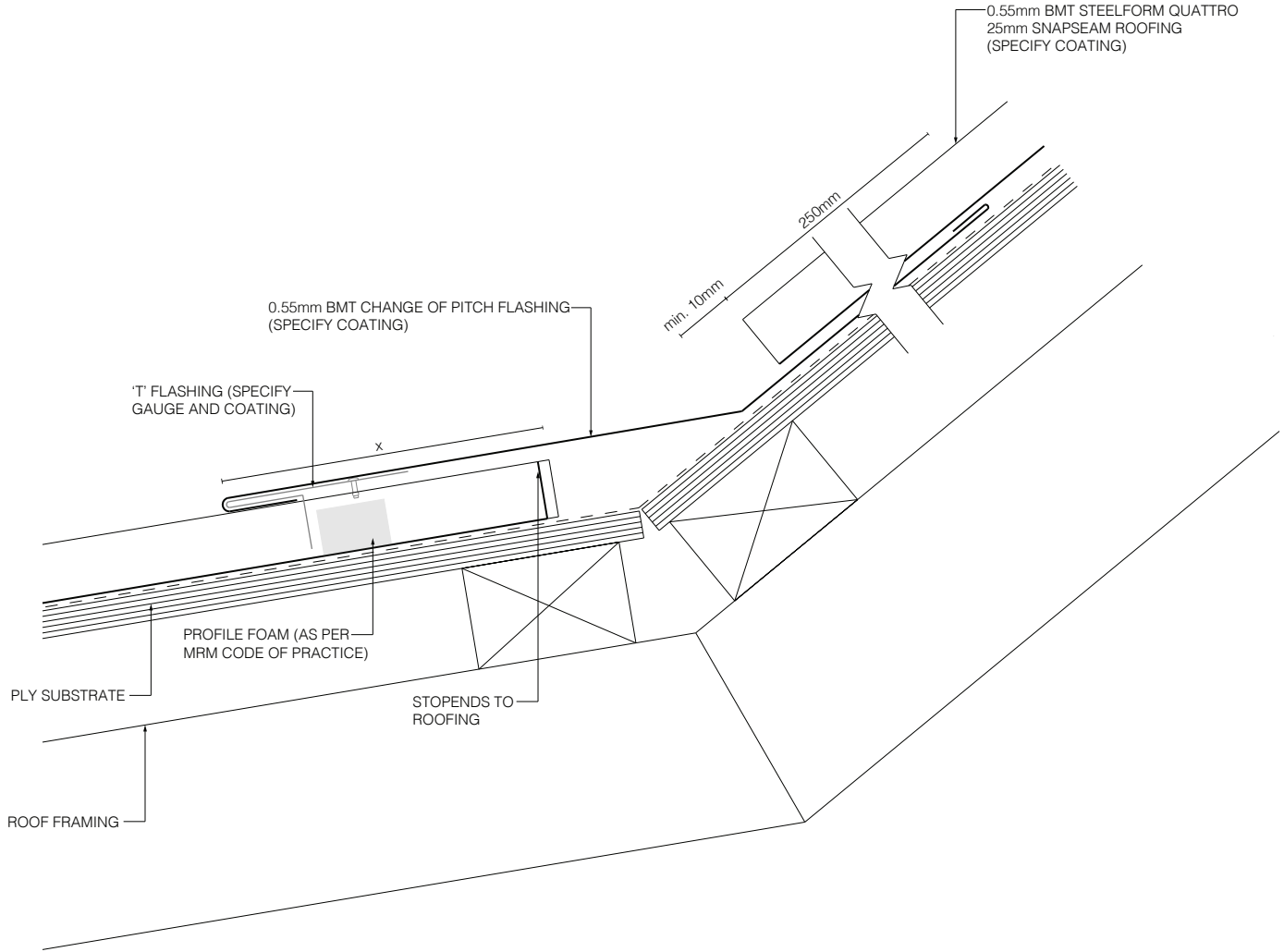
QUATTRO 25mm SNAPSEAM

RESIDENTIAL ROOFING

NOT TO SCALE

All details are indicative only and the designer should refer to the NZMRM Code of Practice, E2/AS1 and all other relevant building codes. Building paper is detailed as a single line for simplicity and is indicative only. Building paper type and method of installation should comply with the manufacturers recommendations and the New Zealand Building Code. Profile foam closure strip is required for bird or vermin proofing, or if in a wind zone where there is a risk of wind-blown moisture entering the building. It is mandatory practice to run all Quattro tray profiles with swages in the pans.

TYPICAL CHANGE OF PITCH FLASHING DETAIL



	SITUATION 1 LOW/MEDIUM/HIGH WIND ZONES, AND ROOF PITCH IS 10° AND ABOVE	SITUATION 2 VERY HIGH WIND ZONE. ALL ROOF PITCHES	SITUATION 3 EXTRA HIGH WIND ZONE, ALL ROOF PITCHES
x=	min. 130mm	min. 200mm	min. 200mm
PLEASE REFER TO E2/AS1 TABLE 7 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS			



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

QUATTRO 25mm SNAPSEAM

AUGUST 2021 / V1

RESIDENTIAL ROOFING

NOT TO SCALE

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IMPORTANT QUATTRO TRAY PROFILE INFORMATION

Prior to selecting the Steelformers Quattro range, it is strongly recommended that the customer and/or designer liaises with Steelformers as there are possible effects that may become evident when used. Ultimately, the use of any of the Steelformers Quattro range (as roofing and/or cladding) will be at Steelformers discretion.

Sound Reverberation

Given the wide tray, in adverse weather and wind conditions, reverberations of sound has been experienced in some cases. Therefore, site details including the degree of wind exposure need to be considered to ensure the Steelformers Quattro range is suitable for the environment in which it will be exposed. The customer will be advised by Steelformers if it is believed the range is not suitable.

Oil Canning

Oil Canning is the visible waviness in the flat trays of metal roofing and cladding. Oil canning is unavoidable and can occur during the forming and installation, and during the thermal expansion and contraction of the roof sheets during its life-cycle. (Please note, whilst oil canning is an aesthetic effect, it does not cause detriment to product performance.) The effect can be more or less pronounced depending on differing light and sun angles, the coating gloss levels and the chosen colour.

Oil canning can be reduced (but not eliminated) with the use of stiffening swages in the pans and/or by reducing the tray widths. If Steelformers deem reducing the tray widths is necessary, this will be discussed with the customer.

Swages

It is mandatory practice to run any of the Quattro tray profiles with swages in the pans. If a customer would like their profile run without swages it will be at Steelformers discretion on a case-by-case basis.

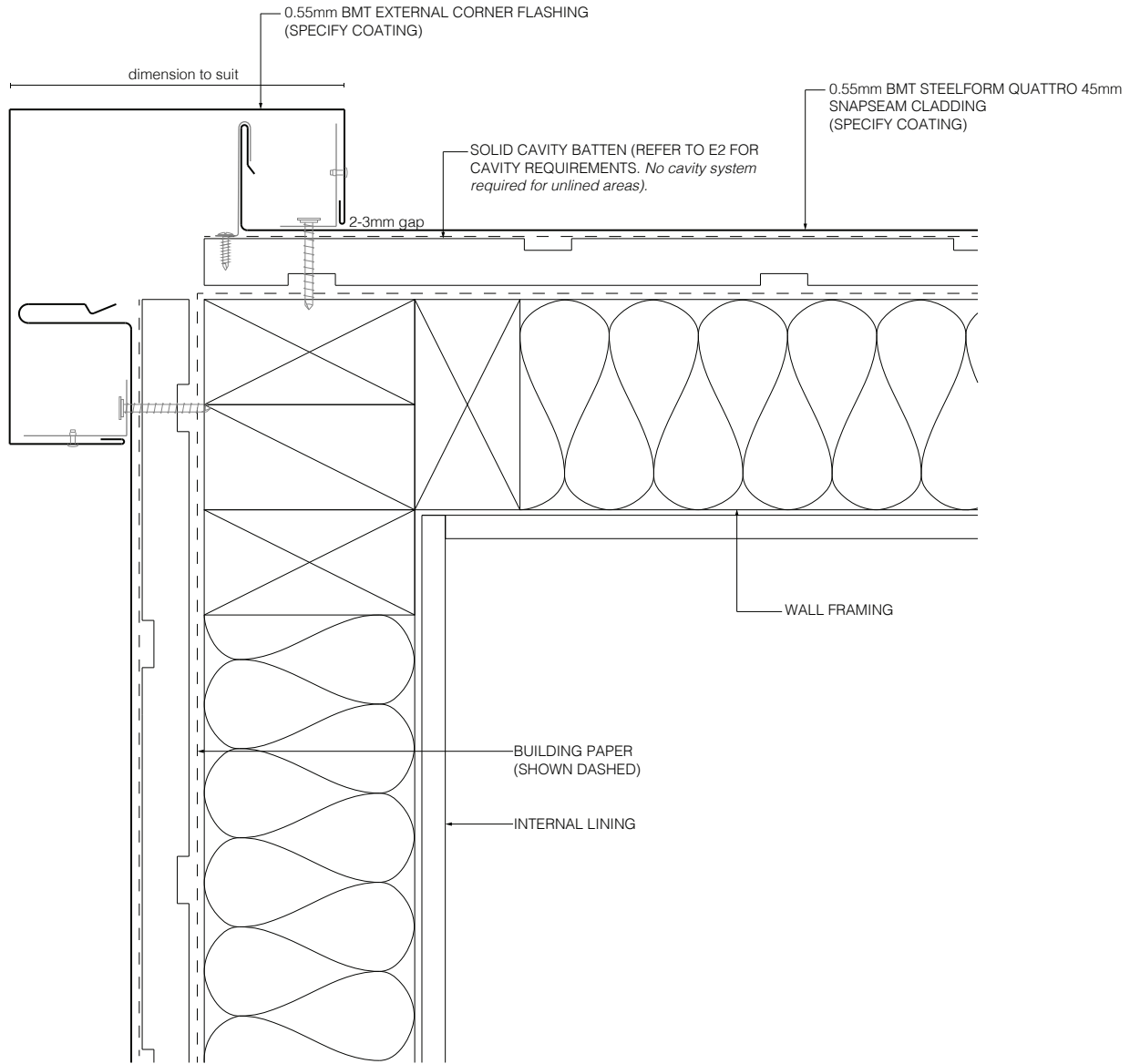
IMPORTANT UPDATES REGARDING QUATTRO 45MM SNAPSEAM REQUIREMENTS

To ensure the Quattro 45mm Snapseam profile performs consistently in New Zealand's range of environments, Steelformers are implementing some important factors:

- All Quattro 45mm Snapseam jobs must be reviewed by one of the Steelformers Sales Representatives prior to the job commencing. Contact your nearest branch to begin this process.
- All Quattro 45mm Snapseam jobs must be installed using Steelformers flashing details. These are available for download at www.steelformers.co.nz.
- DuPont™ Tyvek® Metal Roof Underlay (or an equivalent product, at Steelformers discretion) is required to be used with Quattro 45mm Snapseam in all wind zones. In Extra High or Specific Engineering Design (SED) wind zones (or areas that may experience these conditions), Quattro 45mm Snapseam used as roofing will require the use of an additional plywood substrate.
- Use of 45mm Snapseam in Extra High or Specific Engineering Design (SED) wind zones (or areas that may experience these conditions) areas are subject to review by a Steelformers Sales Representative on a case-by-case basis. This may also apply to our other range of Quattro products in these applications.
- Steelformers also now requires that in all wind zones when installing Quattro 45mm Snapseam, clips must be fixed to all ribs of all purlin lines (or nog lines for wall applications).

Steelformers deem these changes as necessary to ensure our products perform to the highest standards. Please note, we cannot be responsible for performance of our products when our details and/or installation advice have not been followed. If you have any questions or queries, please do not hesitate to contact your nearest Steelformers branch.

TYPICAL EXTERNAL CORNER FLASHING DETAIL



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

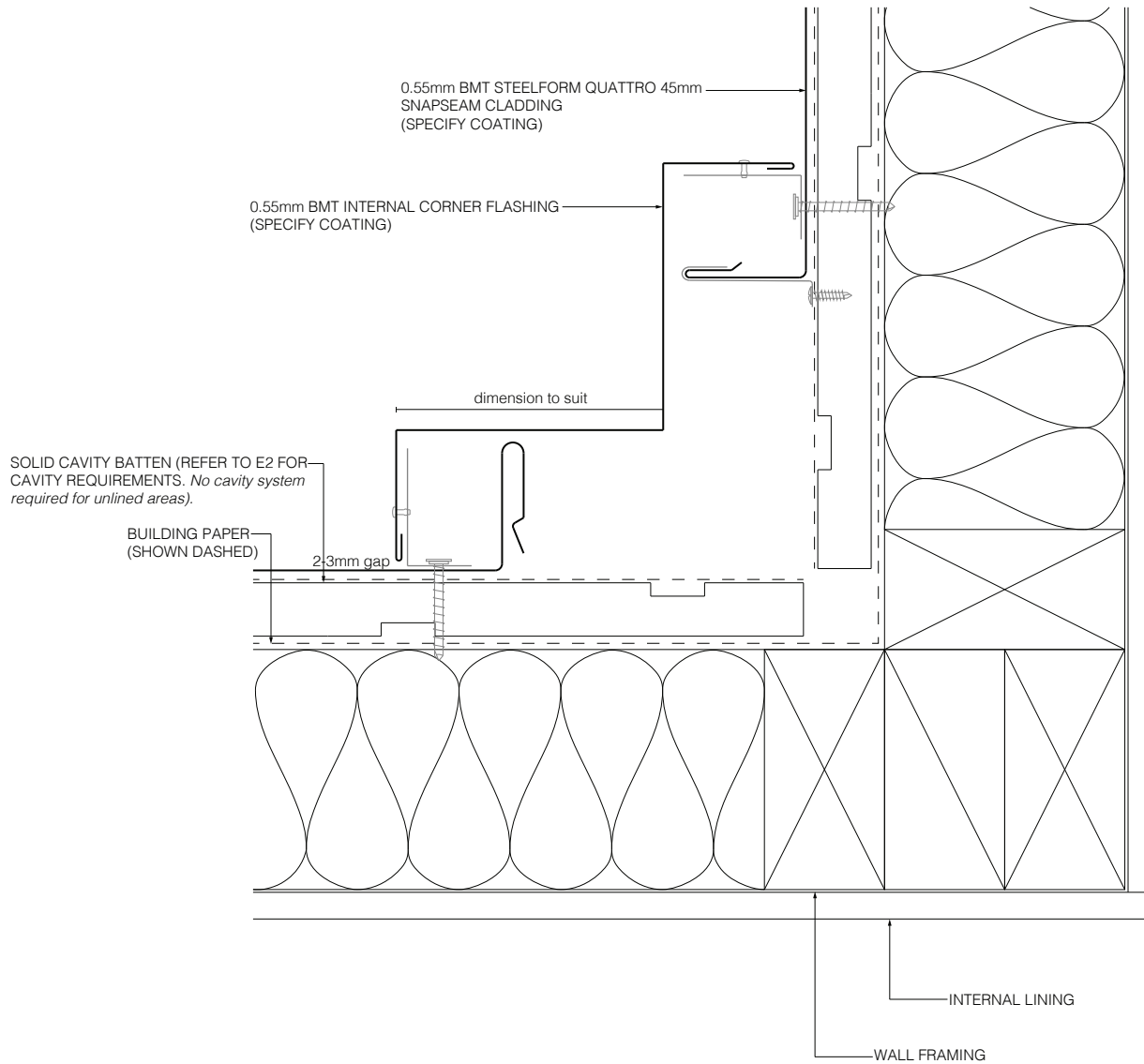
QUATTRO 45mm SNAPSEAM

RESIDENTIAL CLADDING

NOT TO SCALE

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TYPICAL INTERNAL CORNER FLASHING DETAIL



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

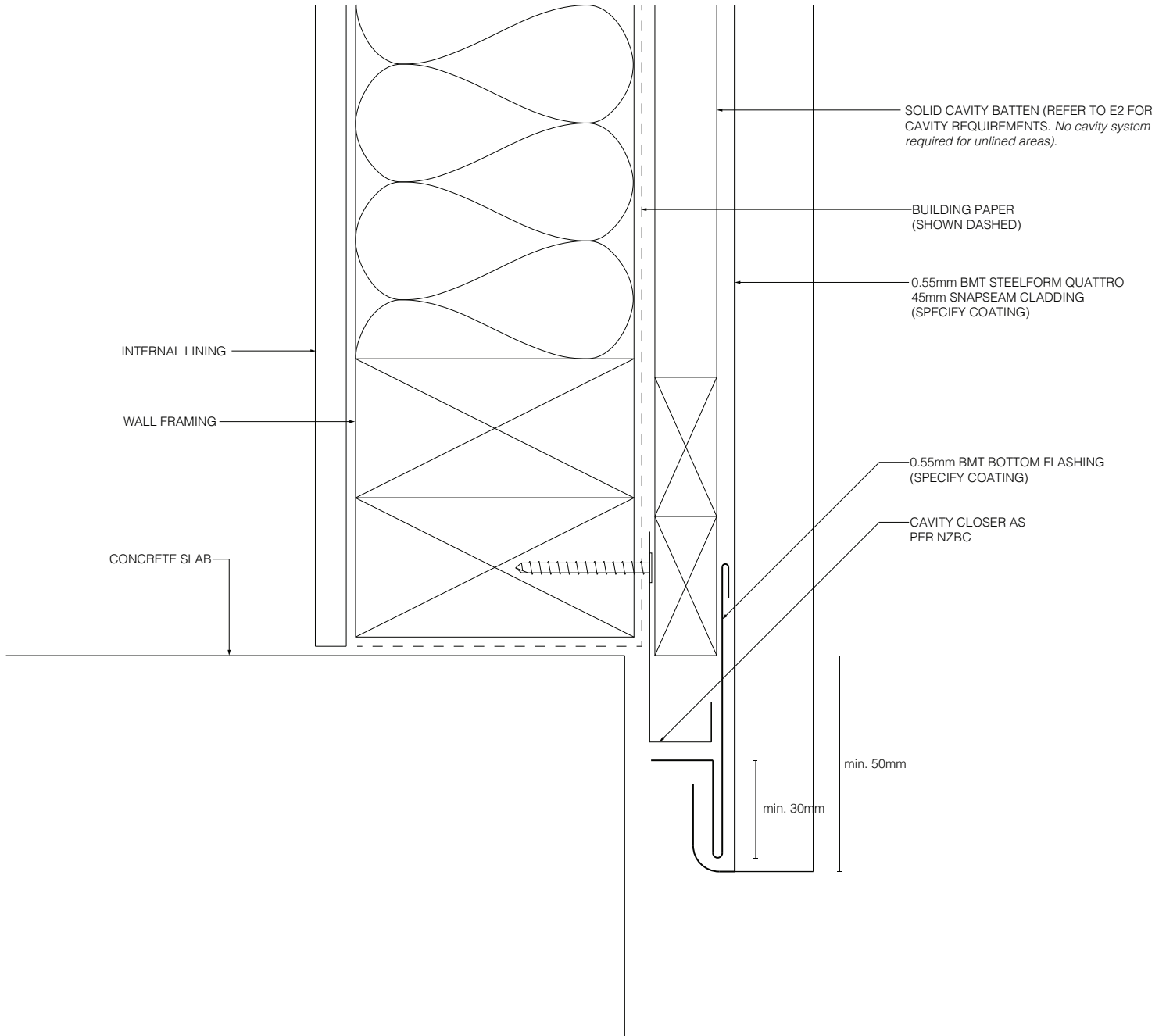
QUATTRO 45mm SNAPSEAM

RESIDENTIAL CLADDING

NOT TO SCALE

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TYPICAL BOTTOM FLASHING DETAIL



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

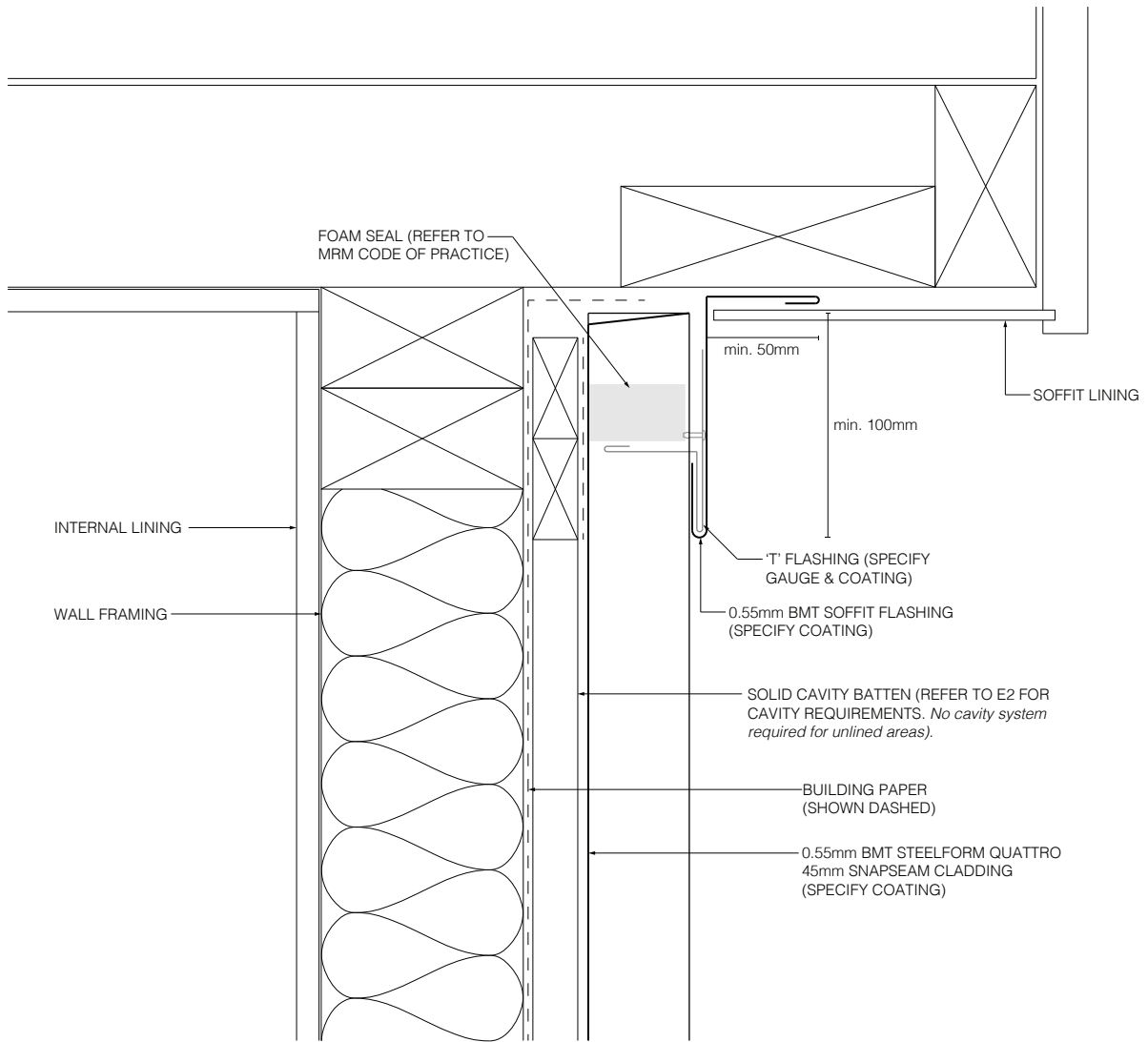
QUATTRO 45mm SNAPSEAM

RESIDENTIAL CLADDING

NOT TO SCALE

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TYPICAL SOFFIT FLASHING DETAIL



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

QUATTRO 45mm SNAPSEAM

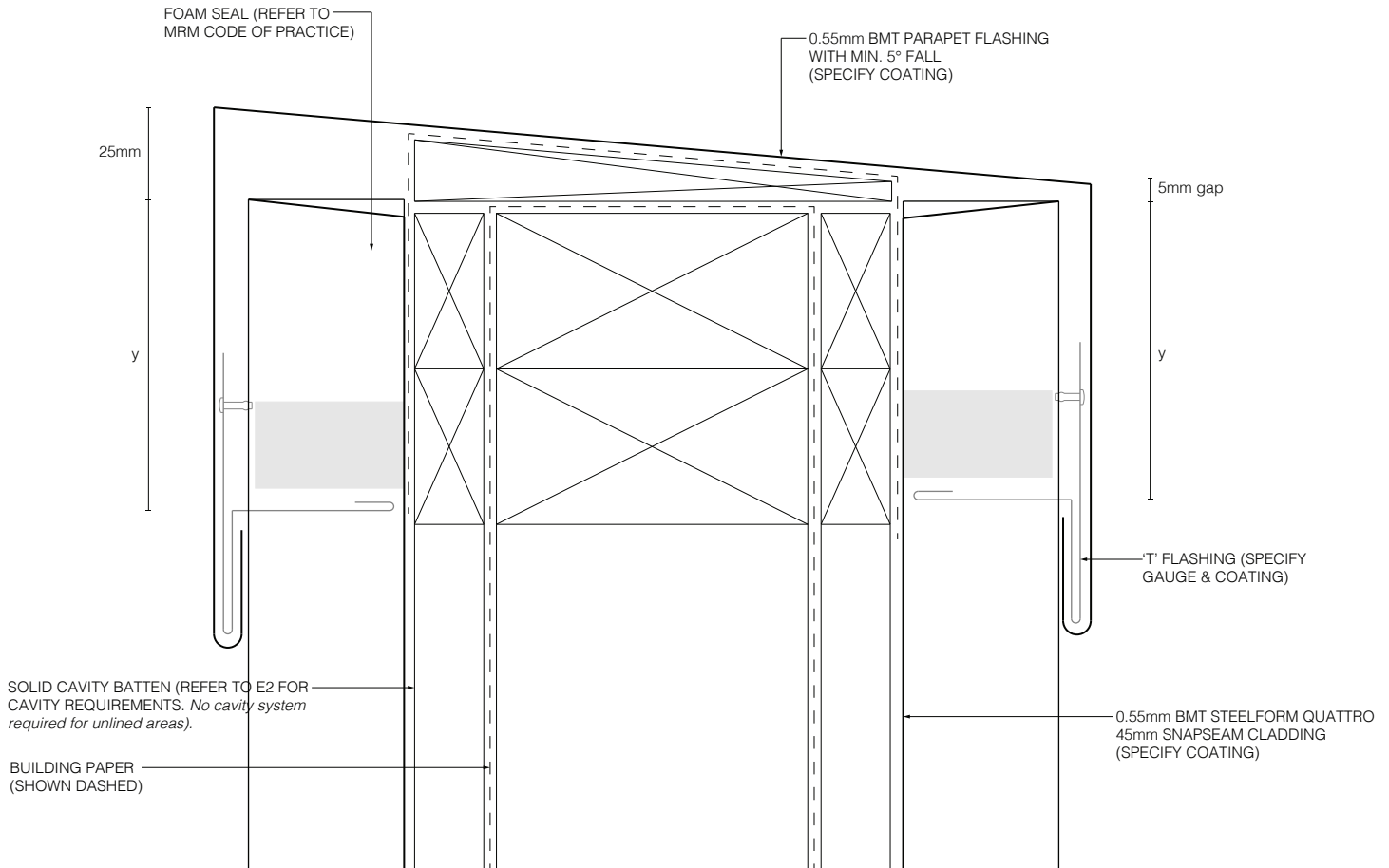
AUGUST 2021 / V1

RESIDENTIAL CLADDING

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TYPICAL PARAPET FLASHING DETAIL



	SITUATION 1 LOW/MEDIUM/HIGH WIND ZONES, AND ROOF PITCH IS 10° AND ABOVE	SITUATION 2 VERY HIGH WIND ZONE, ALL ROOF PITCHES	SITUATION 3 EXTRA HIGH WIND ZONE, ALL ROOF PITCHES
x=	50mm	70mm	90mm
PLEASE REFER TO E2/AS1 TABLE 7 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS			



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

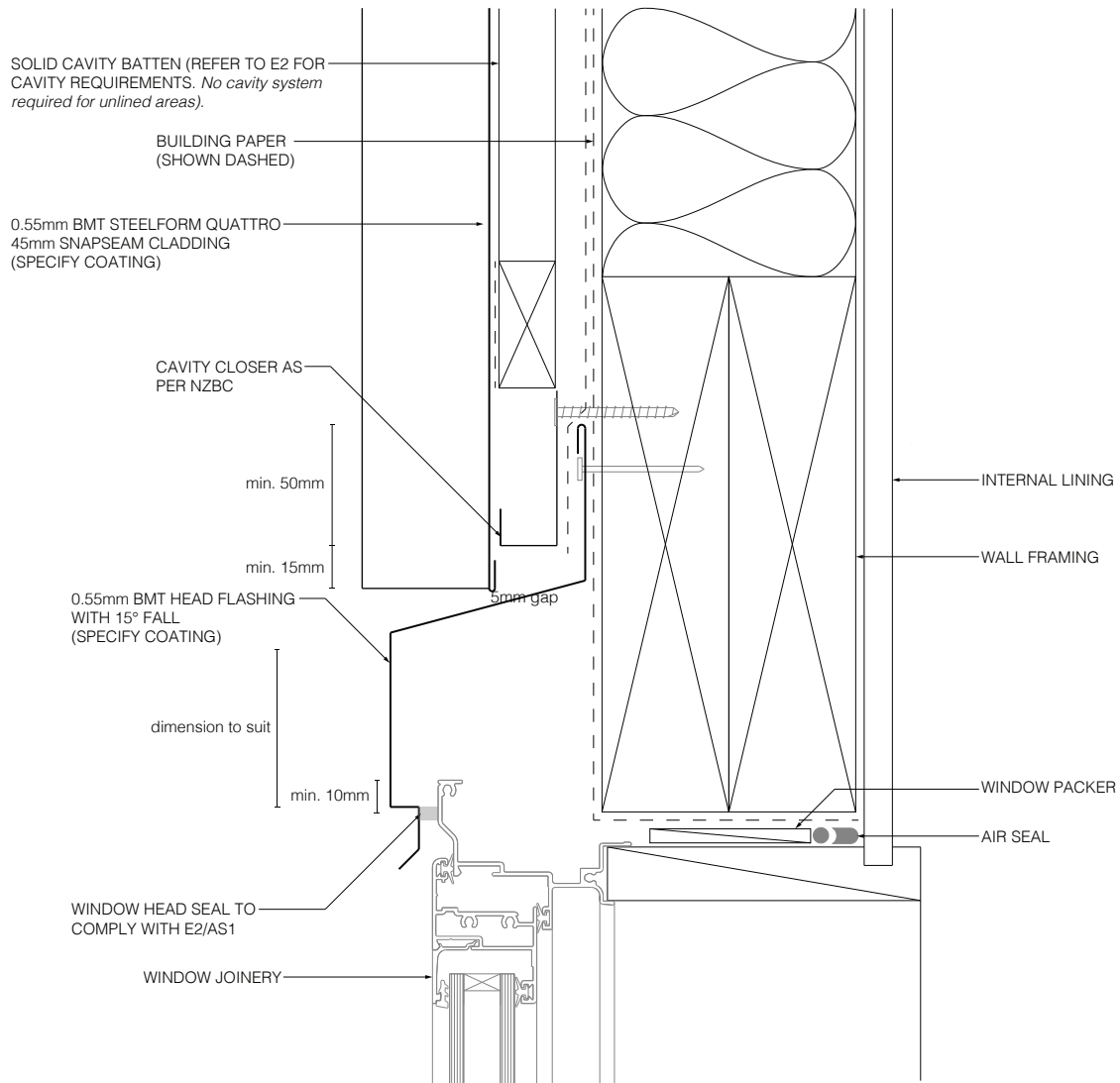
QUATTRO 45mm SNAPSEAM

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TYPICAL WINDOW (HEAD) FLASHING DETAIL



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

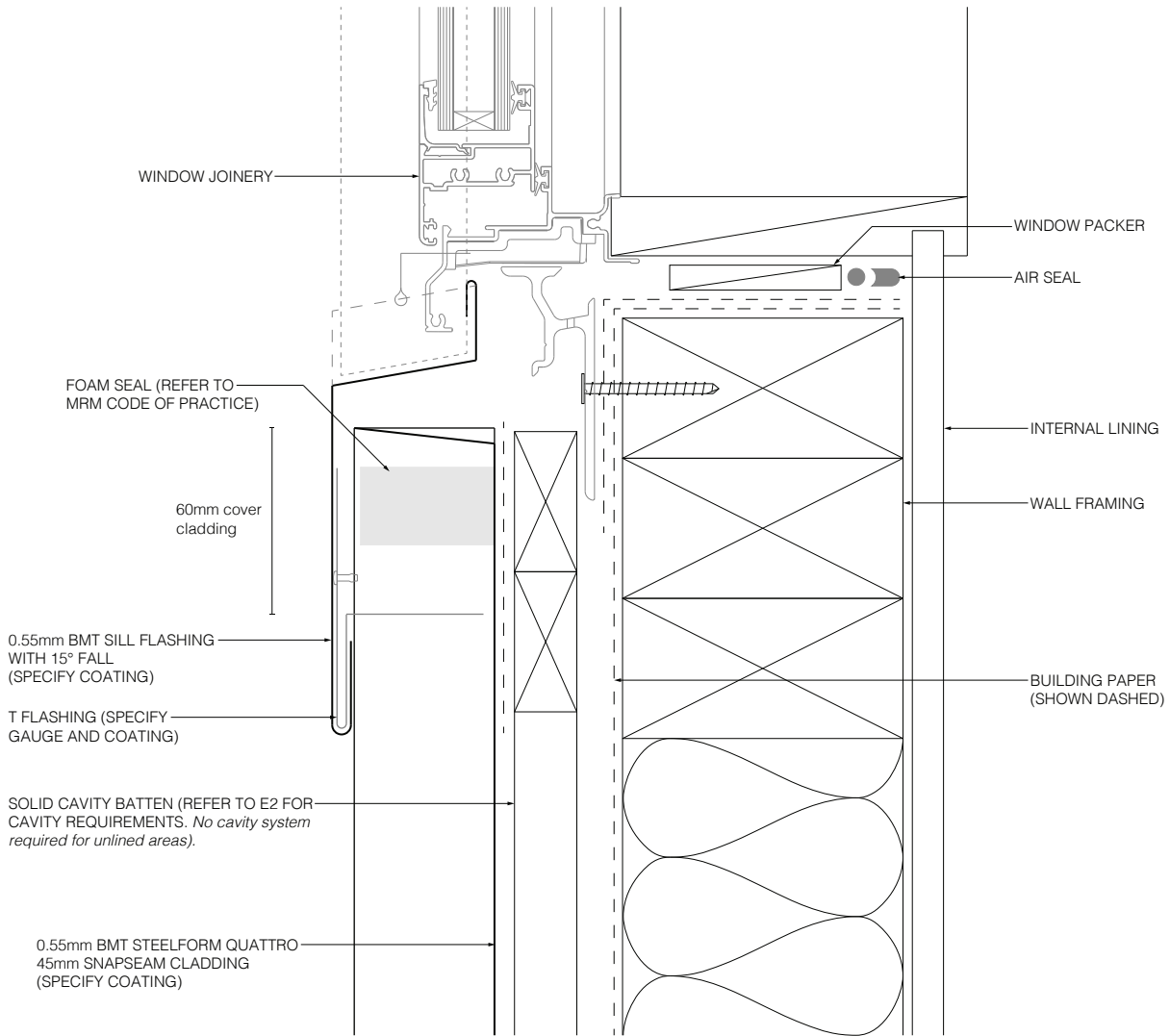
QUATTRO 45mm SNAPSEAM

RESIDENTIAL CLADDING

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TYPICAL WINDOW (SILL) FLASHING DETAIL



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

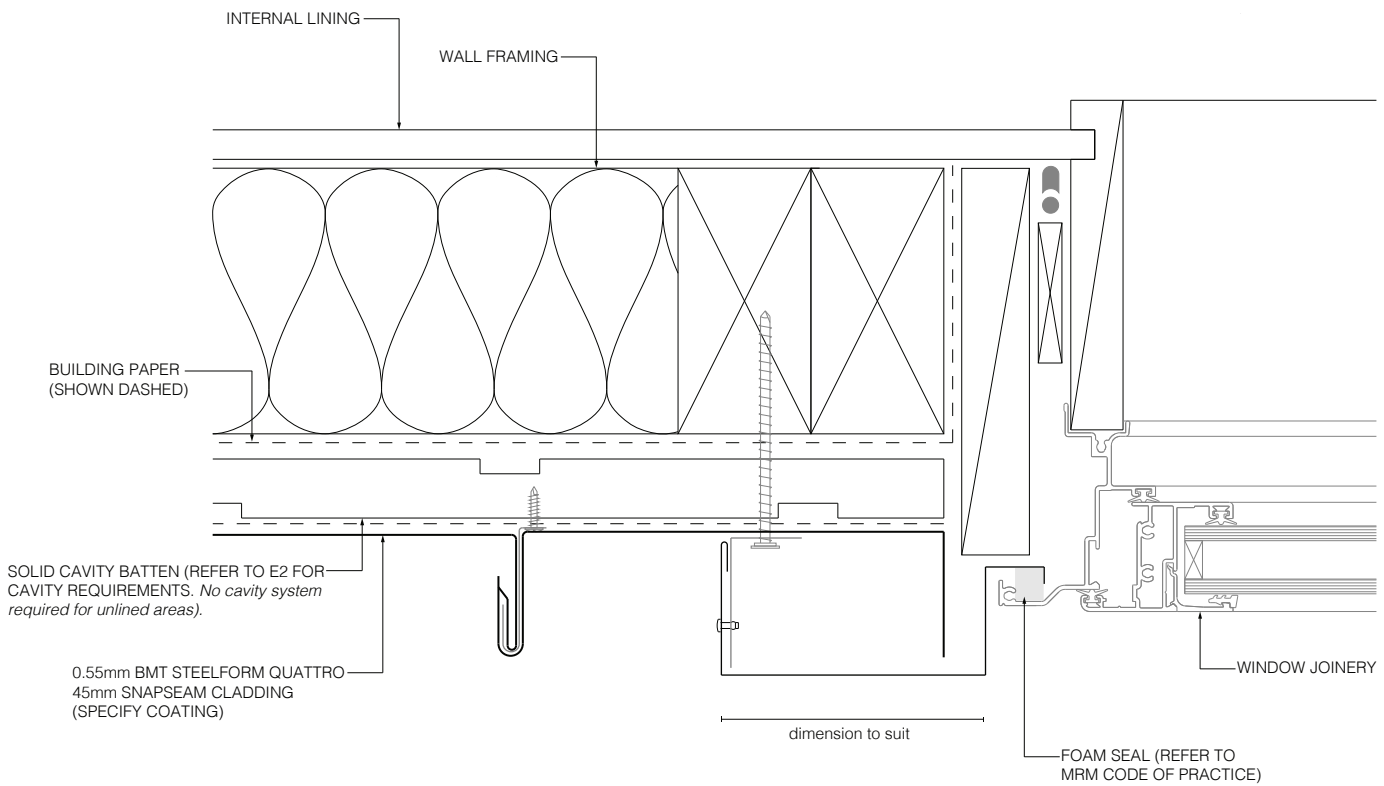
QUATTRO 45mm SNAPSEAM

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TYPICAL WINDOW (JAMB) FLASHING DETAIL



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

QUATTRO 45mm SNAPSEAM

RESIDENTIAL CLADDING

NOT TO SCALE

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IMPORTANT QUATTRO TRAY PROFILE INFORMATION

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Sound Reverberation

Given the wide tray, in adverse weather and wind conditions, reverberations of sound has been experienced in some cases. Therefore, site details including the degree of wind exposure need to be considered to ensure the Steelformers Quattro range is suitable for the environment in which it will be exposed. The customer will be advised by Steelformers if it is believed the range is not suitable.

Oil Canning

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Oil canning can be reduced (but not eliminated) with the use of stiffening swages in the pans and/or by reducing the tray widths. If Steelformers deem reducing the tray widths is necessary, this will be discussed with the customer.

Swages

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IMPORTANT UPDATES REGARDING QUATTRO 45MM SNAPSEAM REQUIREMENTS

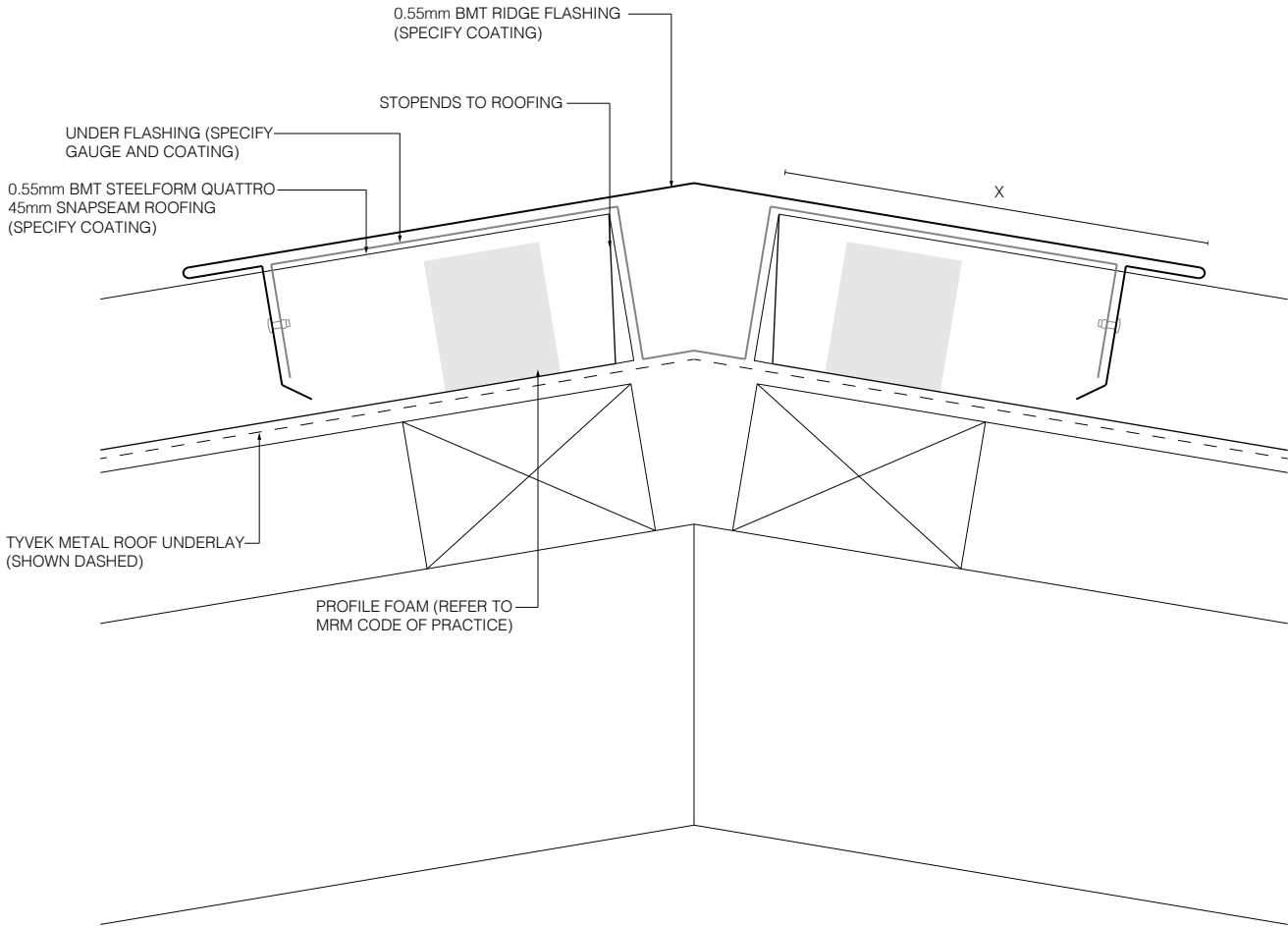
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- All Quattro 45mm Snapseam jobs must be installed using Steelformers flashing details. These are available for download at www.steelformers.co.nz.
- DuPont™ Tyvek® Metal Roof Underlay (or an equivalent product, at Steelformers discretion) is required to be used with Quattro 45mm Snapseam in all wind zones. In Extra High or Specific Engineering Design (SED) wind zones (or areas that may experience these conditions), Quattro 45mm Snapseam used as roofing will require the use of an additional plywood substrate.
- Use of 45mm Snapseam in Extra High or Specific Engineering Design (SED) wind zones (or areas that may experience these conditions) areas are subject to review by a Steelformers Sales Representative on a case-by-case basis. This may also apply to our other range of Quattro products in these applications.
- Steelformers also now requires that in all wind zones when installing Quattro 45mm Snapseam, clips must be fixed to all ribs of all purlin lines (or nog lines for wall applications).

Steelformers deem these changes as necessary to ensure our products perform to the highest standards. Please note, we cannot be responsible for performance of our products when our details and/or installation advice have not been followed. If you have any questions or queries, please do not hesitate to contact your nearest Steelformers branch.

TYPICAL RIDGE FLASHING DETAIL

Low, medium and high wind zones



x=	SITUATION 1 LOW/MEDIUM/HIGH WIND ZONES, AND ROOF PITCH IS 10° AND ABOVE min 130mm	SITUATION 2 VERY HIGH WIND ZONE. ALL ROOF PITCHES min 200mm	SITUATION 3 EXTRA HIGH WIND ZONE, ALL ROOF PITCHES min 200mm
	PLEASE REFER TO E2/AS1 TABLE 7 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS		
x=	CATEGORY A LOW/MEDIUM/HIGH WIND ZONES, AND WHERE THE PITCH IS NO LESS THAT 10° min 130mm	CATEGORY B VERY HIGH/EXTRA HIGH WIND ZONES, OR WHERE THE PITCH IS LESS THAN 10° min 200mm	
	PLEASE REFER TO THE NZ MRM CODE OF PRACTICE FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS		



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

QUATTRO 45mm SNAPSEAM

AUGUST 2021 / V1

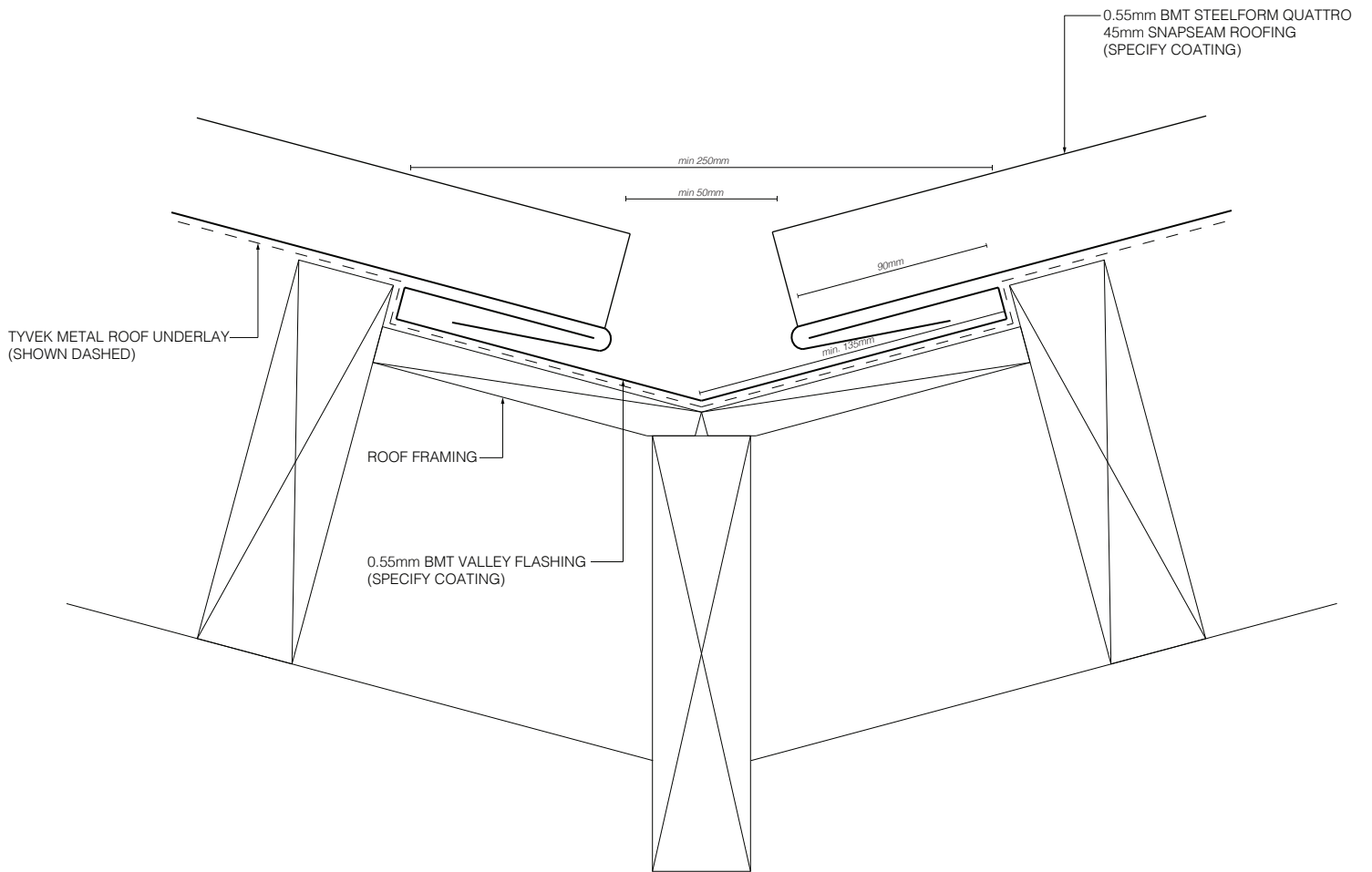
RESIDENTIAL CLADDING

NOT TO SCALE

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TYPICAL VALLEY FLASHING DETAIL

Low, medium and high wind zones



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

QUATTRO 45mm SNAPSEAM



AUGUST 2021 / V1

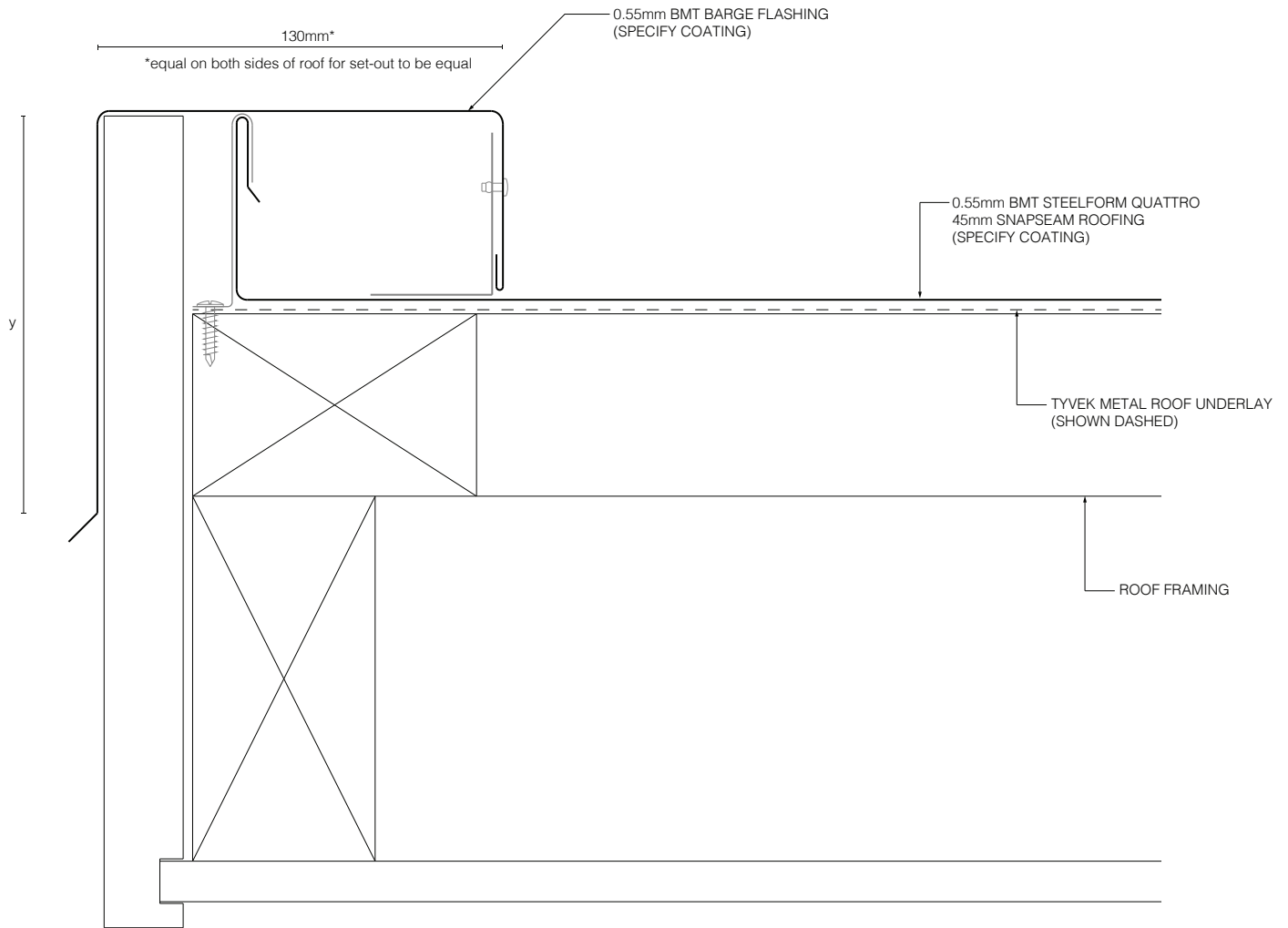
RESIDENTIAL ROOFING

NOT TO SCALE

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TYPICAL BARGE FLASHING DETAIL

Low, medium and high wind zones



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

QUATTRO 45mm SNAPSEAM

AUGUST 2021 / V1

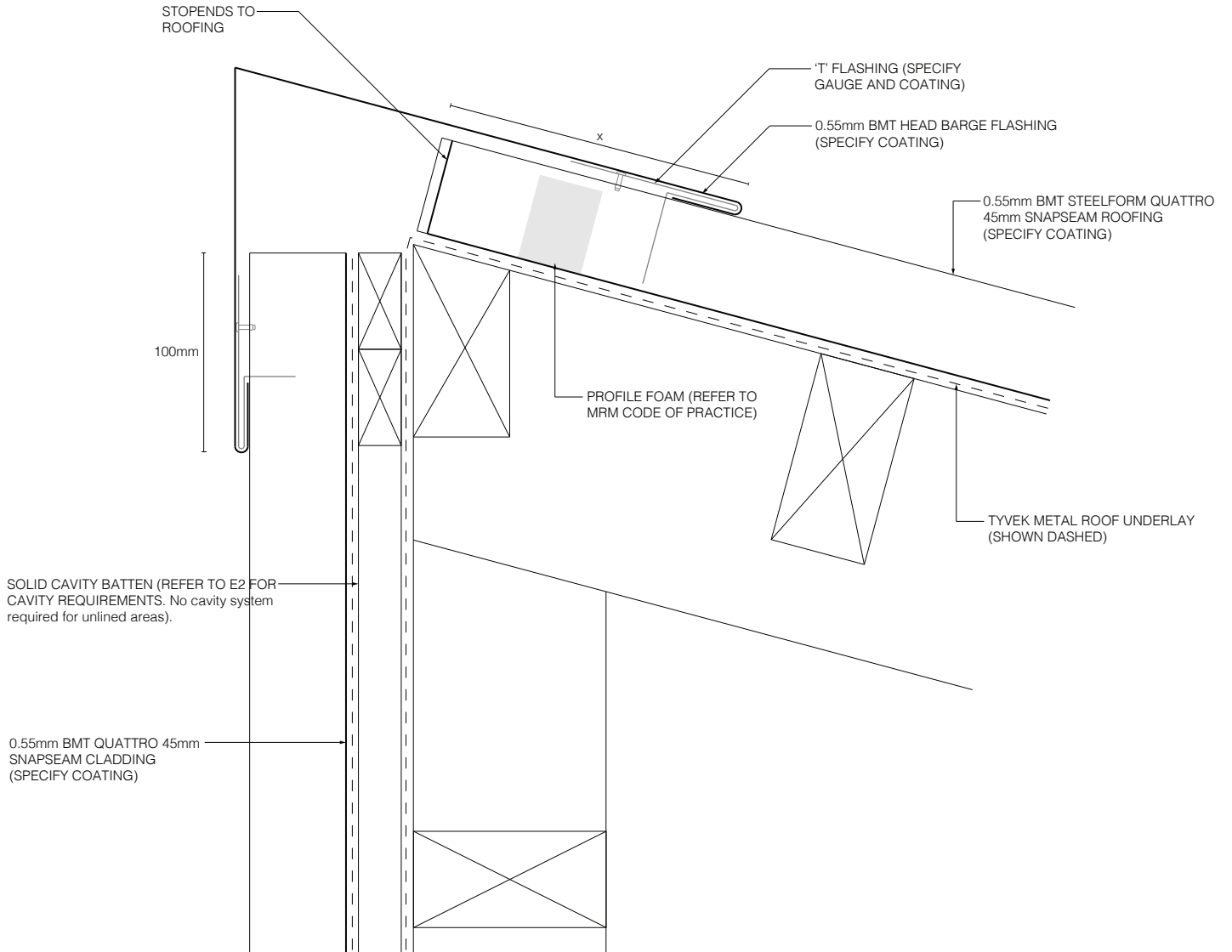
RESIDENTIAL ROOFING

NOT TO SCALE

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TYPICAL HEAD BARGE FLASHING DETAIL

Low, medium and high wind zones



	SITUATION 1 LOW/MEDIUM/HIGH WIND ZONES, AND ROOF PITCH IS 10° AND ABOVE	SITUATION 2 VERY HIGH WIND ZONE. ALL ROOF PITCHES	SITUATION 3 EXTRA HIGH WIND ZONE, ALL ROOF PITCHES
x=	min 130mm	min 200mm	min 200mm
PLEASE REFER TO E2/AS1 TABLE 7 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS			



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

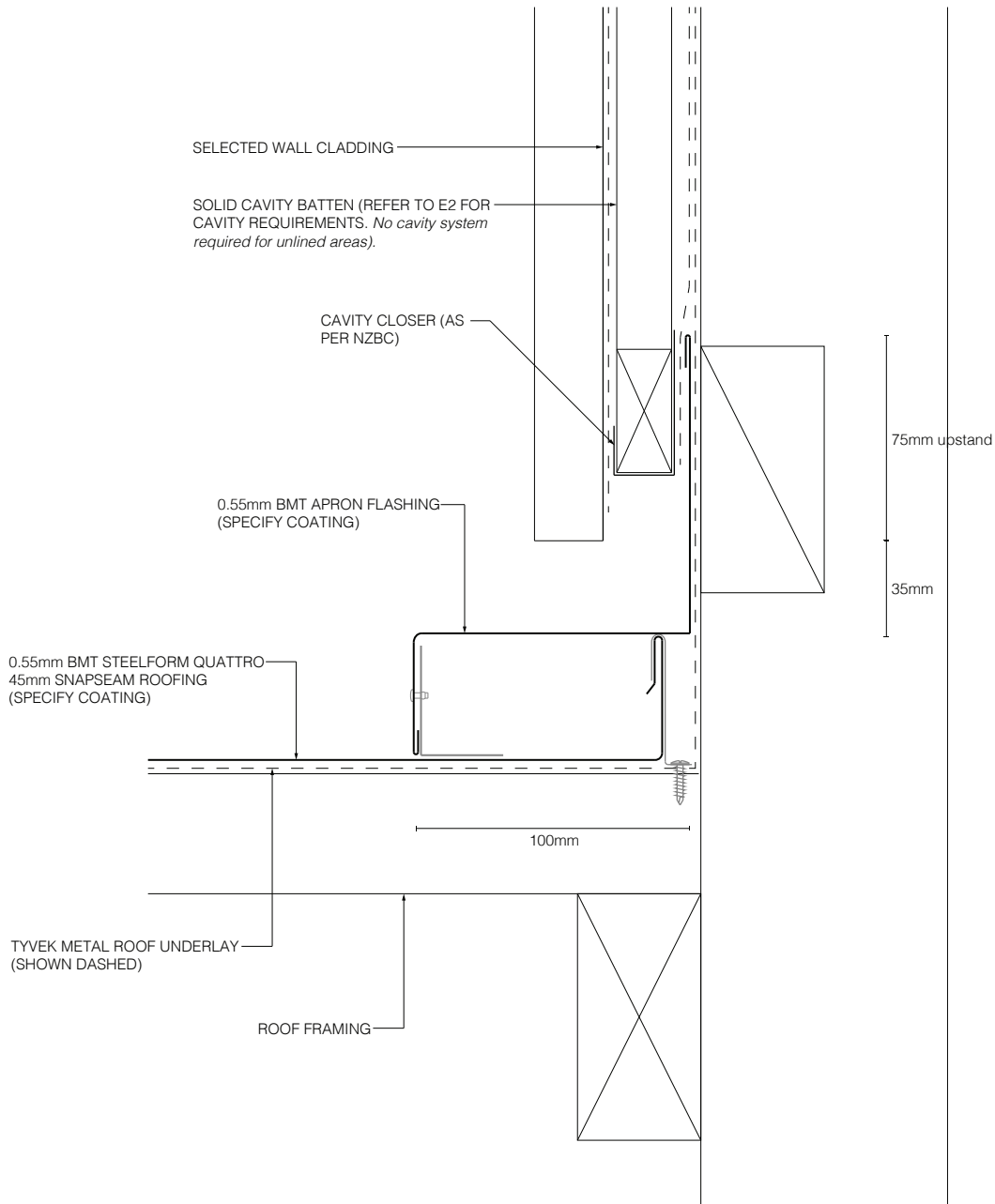
QUATTRO 45mm SNAPSEAM

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TYPICAL APRON FLASHING DETAIL
 Low, medium and high wind zones



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

QUATTRO 45mm SNAPSEAM



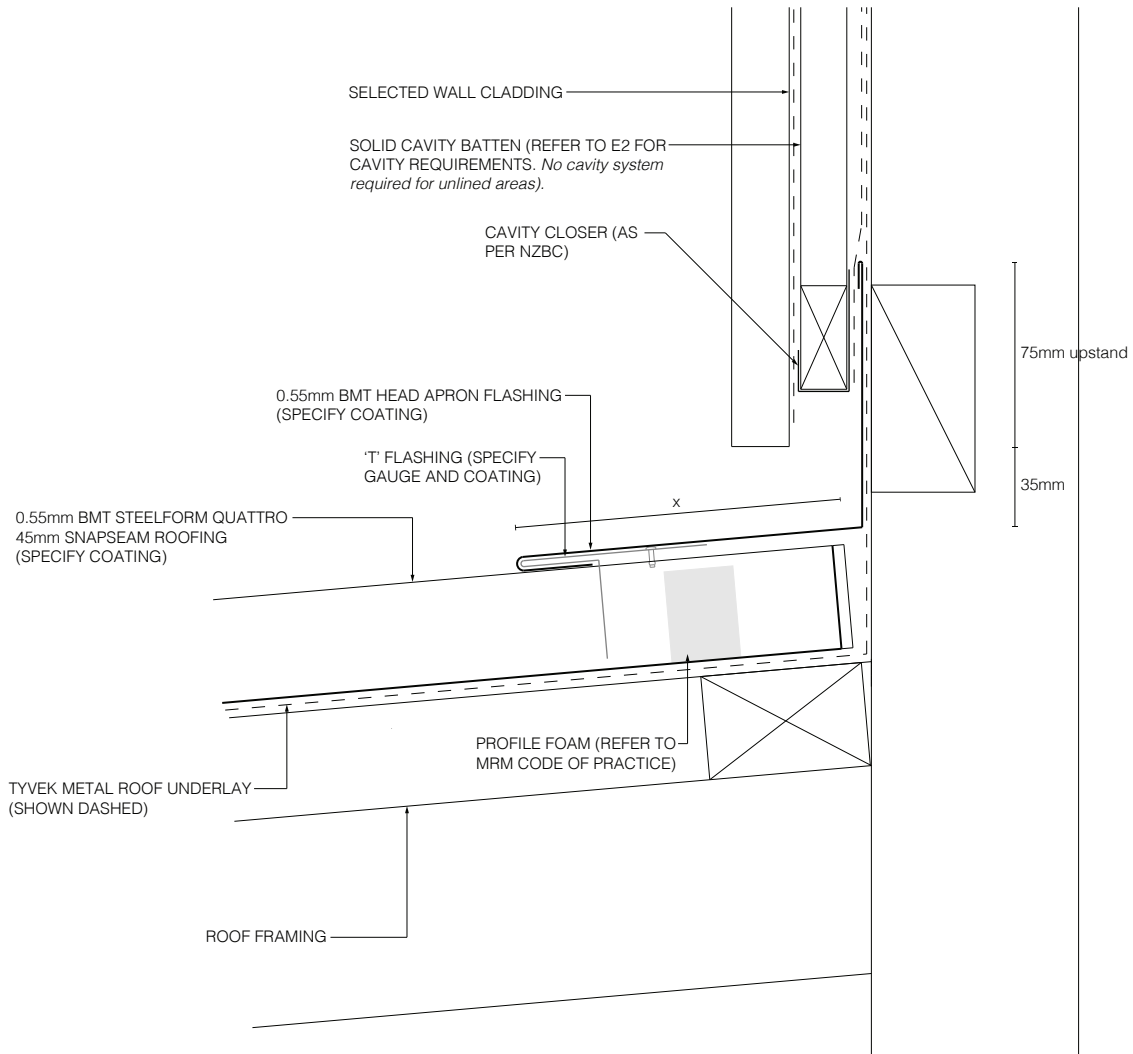
AUGUST 2021 / V1

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TYPICAL HEAD APRON FLASHING DETAIL
 Low, medium and high wind zones



	SITUATION 1 LOW/MEDIUM/HIGH WIND ZONES, AND ROOF PITCH IS 10° AND ABOVE	SITUATION 2 VERY HIGH WIND ZONE. ALL ROOF PITCHES	SITUATION 3 EXTRA HIGH WIND ZONE, ALL ROOF PITCHES
x=	min 130mm	min 200mm	min 200mm
PLEASE REFER TO E2/AS1 TABLE 7 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS			



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

QUATTRO 45mm SNAPSEAM

AUGUST 2021 / V1

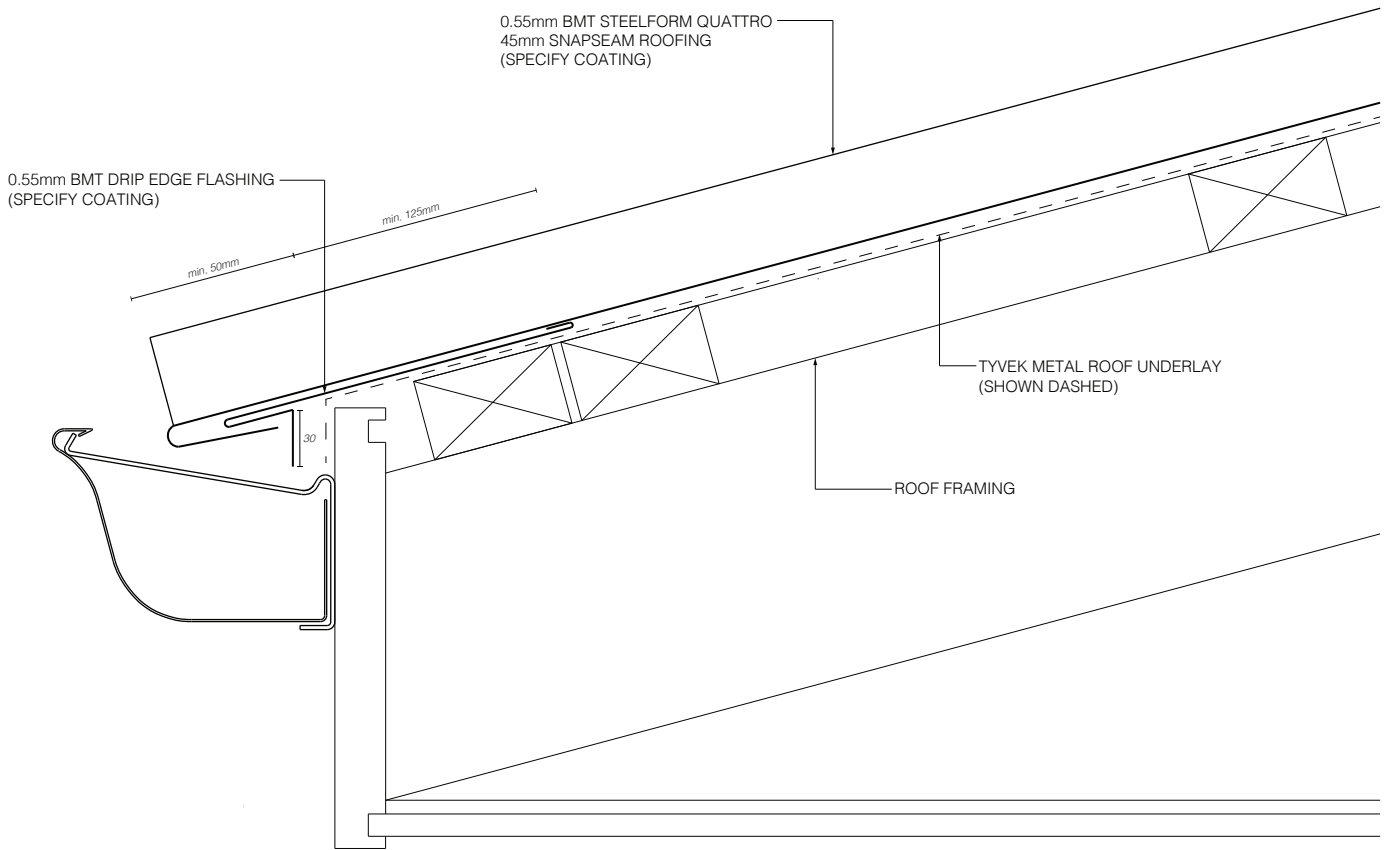
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TYPICAL DRIP EDGE FLASHING DETAIL

Low, medium and high wind zones



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

QUATTRO 45mm SNAPSEAM

RESIDENTIAL ROOFING

NOT TO SCALE

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IMPORTANT QUATTRO TRAY PROFILE INFORMATION

Prior to selecting the Steelformers Quattro range, it is strongly recommended that the customer and/or designer liaises with Steelformers as there are possible effects that may become evident when used. Ultimately, the use of any of the Steelformers Quattro range (as roofing and/or cladding) will be at Steelformers discretion.

Sound Reverberation

Given the wide tray, in adverse weather and wind conditions, reverberations of sound has been experienced in some cases. Therefore, site details including the degree of wind exposure need to be considered to ensure the Steelformers Quattro range is suitable for the environment in which it will be exposed. The customer will be advised by Steelformers if it is believed the range is not suitable.

Oil Canning

Oil Canning is the visible waviness in the flat trays of metal roofing and cladding. Oil canning is unavoidable and can occur during the forming and installation, and during the thermal expansion and contraction of the roof sheets during its life-cycle. (Please note, whilst oil canning is an aesthetic effect, it does not cause detriment to product performance.) The effect can be more or less pronounced depending on differing light and sun angles, the coating gloss levels and the chosen colour.

Oil canning can be reduced (but not eliminated) with the use of stiffening swages in the pans and/or by reducing the tray widths. If Steelformers deem reducing the tray widths is necessary, this will be discussed with the customer.

Swages

It is mandatory practice to run any of the Quattro tray profiles with swages in the pans. If a customer would like their profile run without swages it will be at Steelformers discretion on a case-by-case basis.

IMPORTANT UPDATES REGARDING QUATTRO 45MM SNAPSEAM REQUIREMENTS

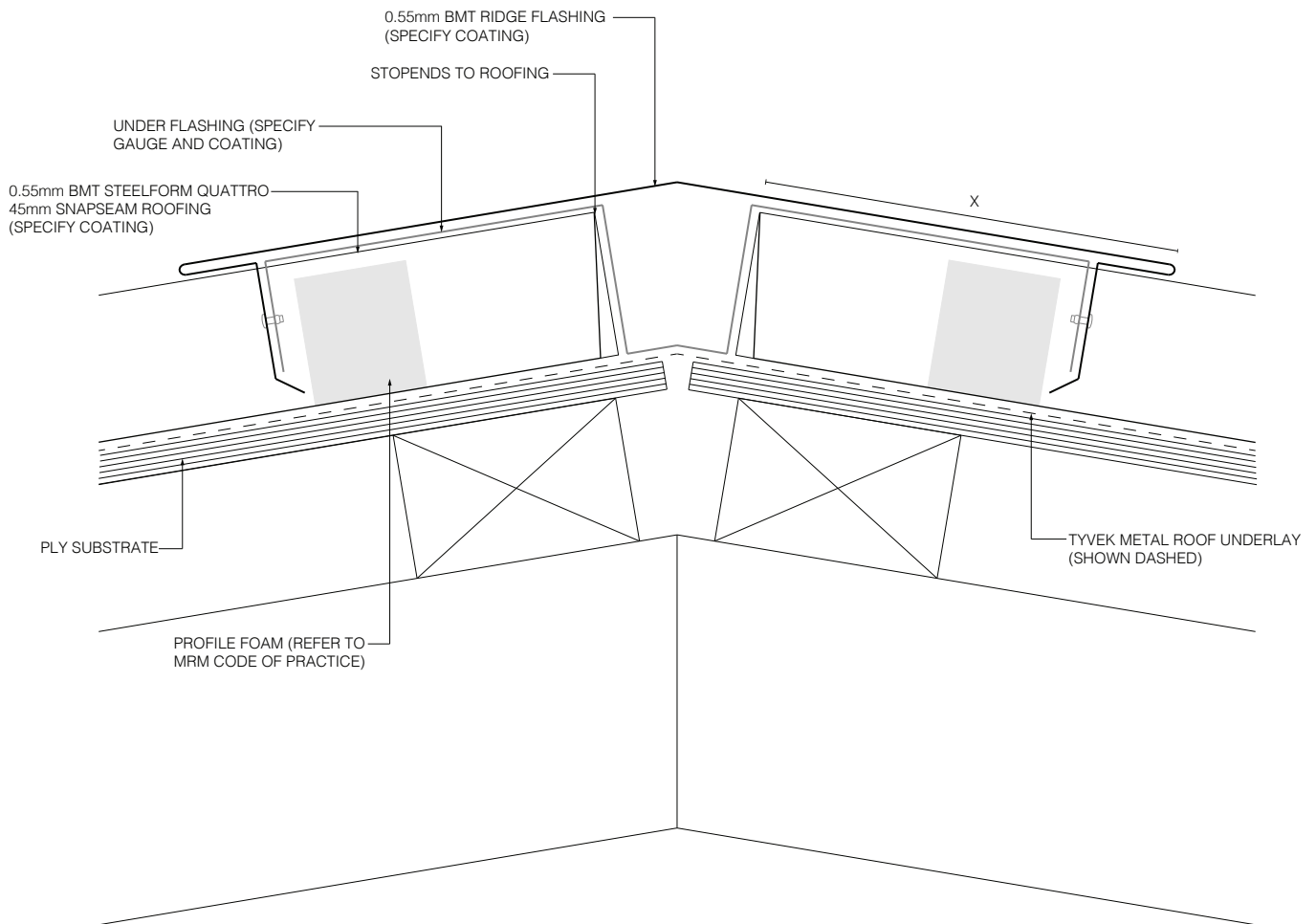
To ensure the Quattro 45mm Snapseam profile performs consistently in New Zealand's range of environments, Steelformers are implementing some important factors:

- All Quattro 45mm Snapseam jobs must be reviewed by one of the Steelformers Sales Representatives prior to the job commencing. Contact your nearest branch to begin this process.
- All Quattro 45mm Snapseam jobs must be installed using Steelformers flashing details. These are available for download at www.steelformers.co.nz.
- DuPont™ Tyvek® Metal Roof Underlay (or an equivalent product, at Steelformers discretion) is required to be used with Quattro 45mm Snapseam in all wind zones. In Extra High or Specific Engineering Design (SED) wind zones (or areas that may experience these conditions), Quattro 45mm Snapseam used as roofing will require the use of an additional plywood substrate.
- Use of 45mm Snapseam in Extra High or Specific Engineering Design (SED) wind zones (or areas that may experience these conditions) areas are subject to review by a Steelformers Sales Representative on a case-by-case basis. This may also apply to our other range of Quattro products in these applications.
- Steelformers also now requires that in all wind zones when installing Quattro 45mm Snapseam, clips must be fixed to all ribs of all purlin lines (or nog lines for wall applications).

Steelformers deem these changes as necessary to ensure our products perform to the highest standards. Please note, we cannot be responsible for performance of our products when our details and/or installation advice have not been followed. If you have any questions or queries, please do not hesitate to contact your nearest Steelformers branch.

TYPICAL RIDGE FLASHING DETAIL

Very High, Extra High and Special Engineering Design (SED) wind zones



x=	SITUATION 1 LOW/MEDIUM/HIGH WIND ZONES, AND ROOF PITCH IS 10° AND ABOVE min 130mm	SITUATION 2 VERY HIGH WIND ZONE. ALL ROOF PITCHES min 200mm	SITUATION 3 EXTRA HIGH WIND ZONE, ALL ROOF PITCHES min 200mm
PLEASE REFER TO E2/AS1 TABLE 7 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS			
x=	CATEGORY A LOW/MEDIUM/HIGH WIND ZONES, AND WHERE THE PITCH IS NO LESS THAT 10° min 130mm	CATEGORY B VERY HIGH/EXTRA HIGH WIND ZONES. OR WHERE THE PITCH IS LESS THAN 10° min 200mm	
PLEASE REFER TO THE NZ MRM CODE OF PRACTICE FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS			



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

QUATTRO 45mm SNAPSEAM

AUGUST 2021 / V1

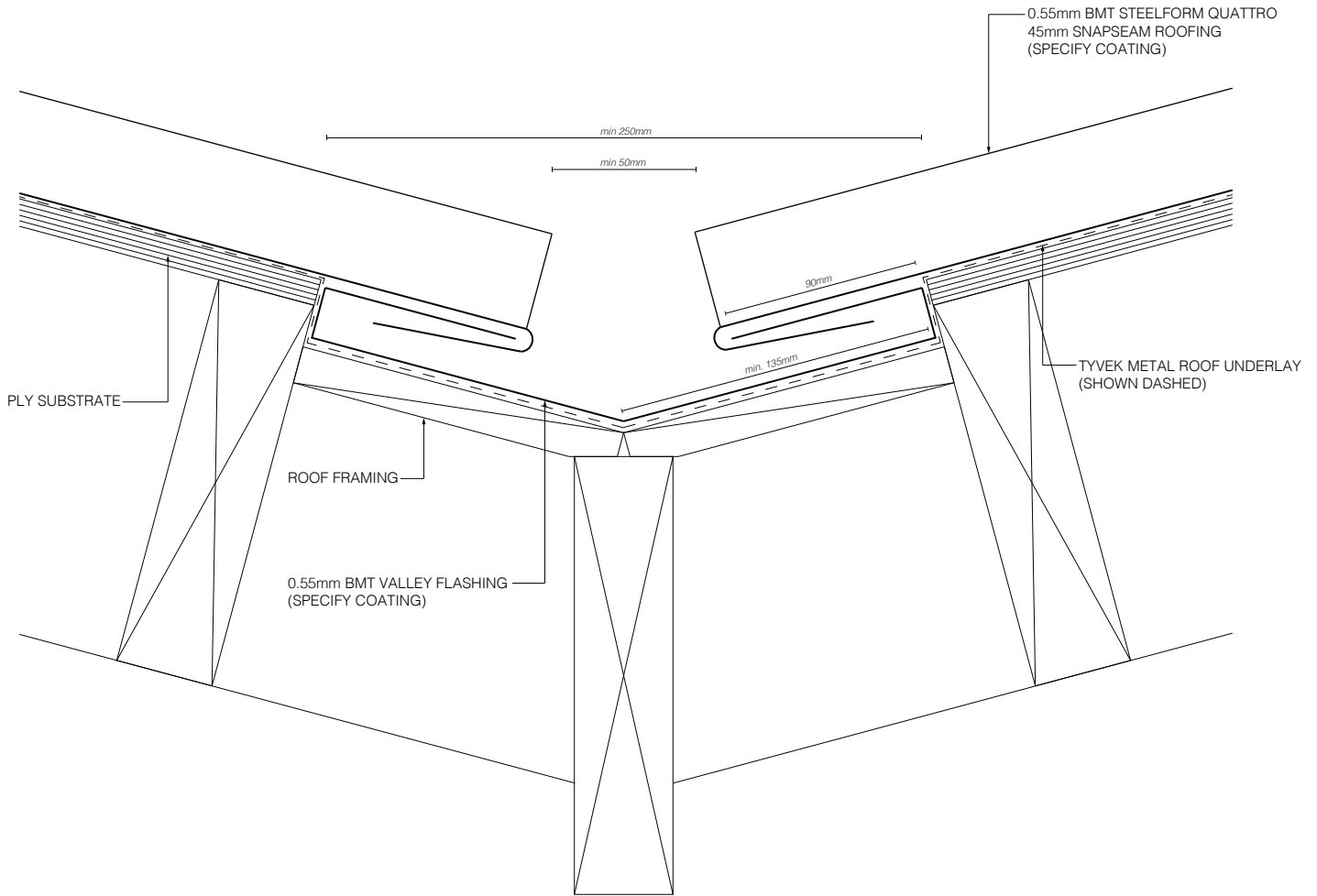
RESIDENTIAL ROOFING

NOT TO SCALE

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TYPICAL VALLEY FLASHING DETAIL

Very High, Extra High and Special Engineering Design (SED) wind zones



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

QUATTRO 45mm SNAPSEAM



AUGUST 2021 / V1

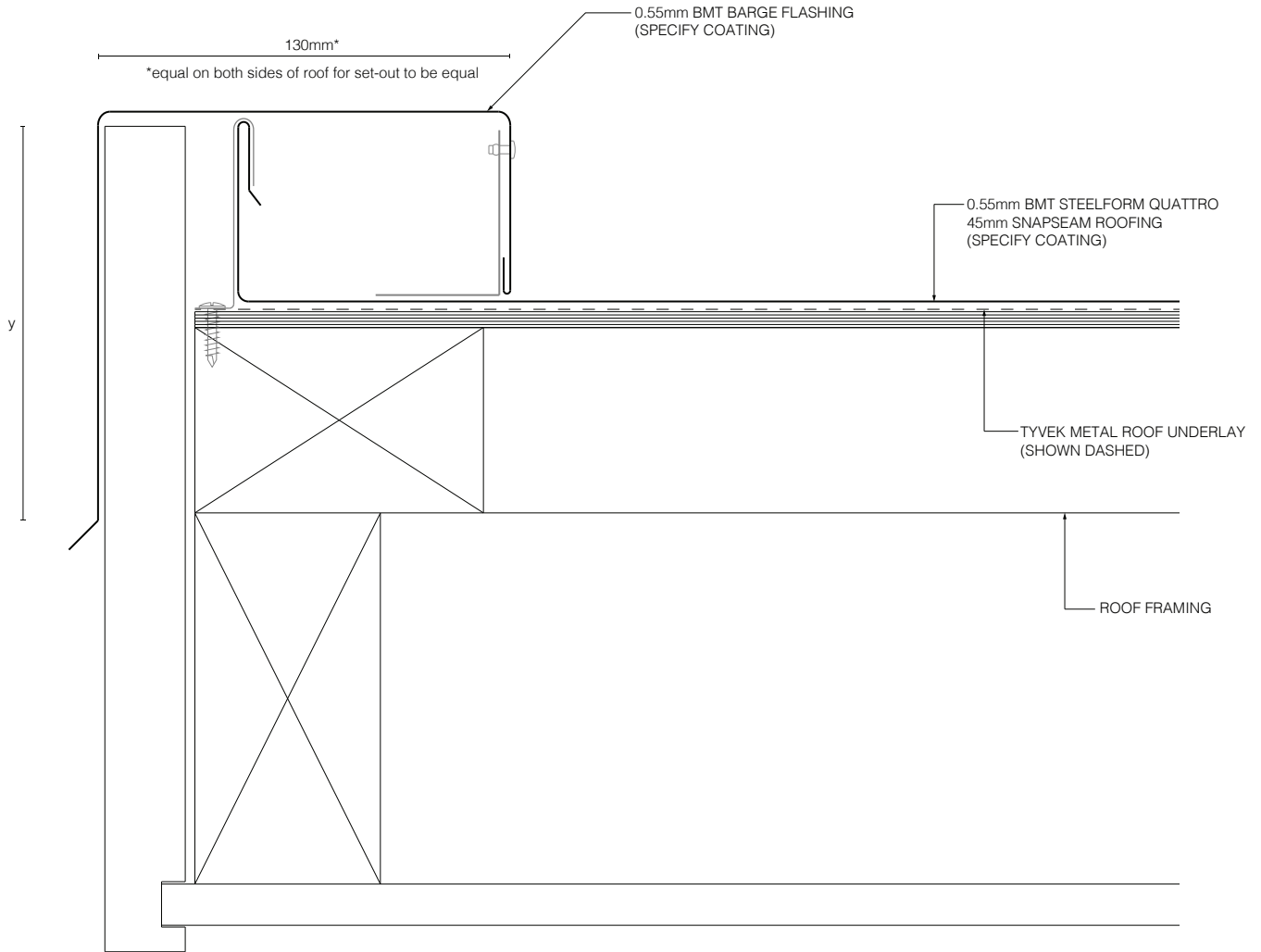
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TYPICAL BARGE FLASHING DETAIL

Very High, Extra High and Special Engineering Design (SED) wind zones



	SITUATION 1 LOW/MEDIUM/HIGH WIND ZONES, AND ROOF PITCH IS 10° AND ABOVE	SITUATION 2 VERY HIGH WIND ZONE, ALL ROOF PITCHES	SITUATION 3 EXTRA HIGH WIND ZONE, ALL ROOF PITCHES
x=	min. 50mm	min. 70mm	min. 90mm
PLEASE REFER TO E2/AS1 TABLE 7 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS			



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

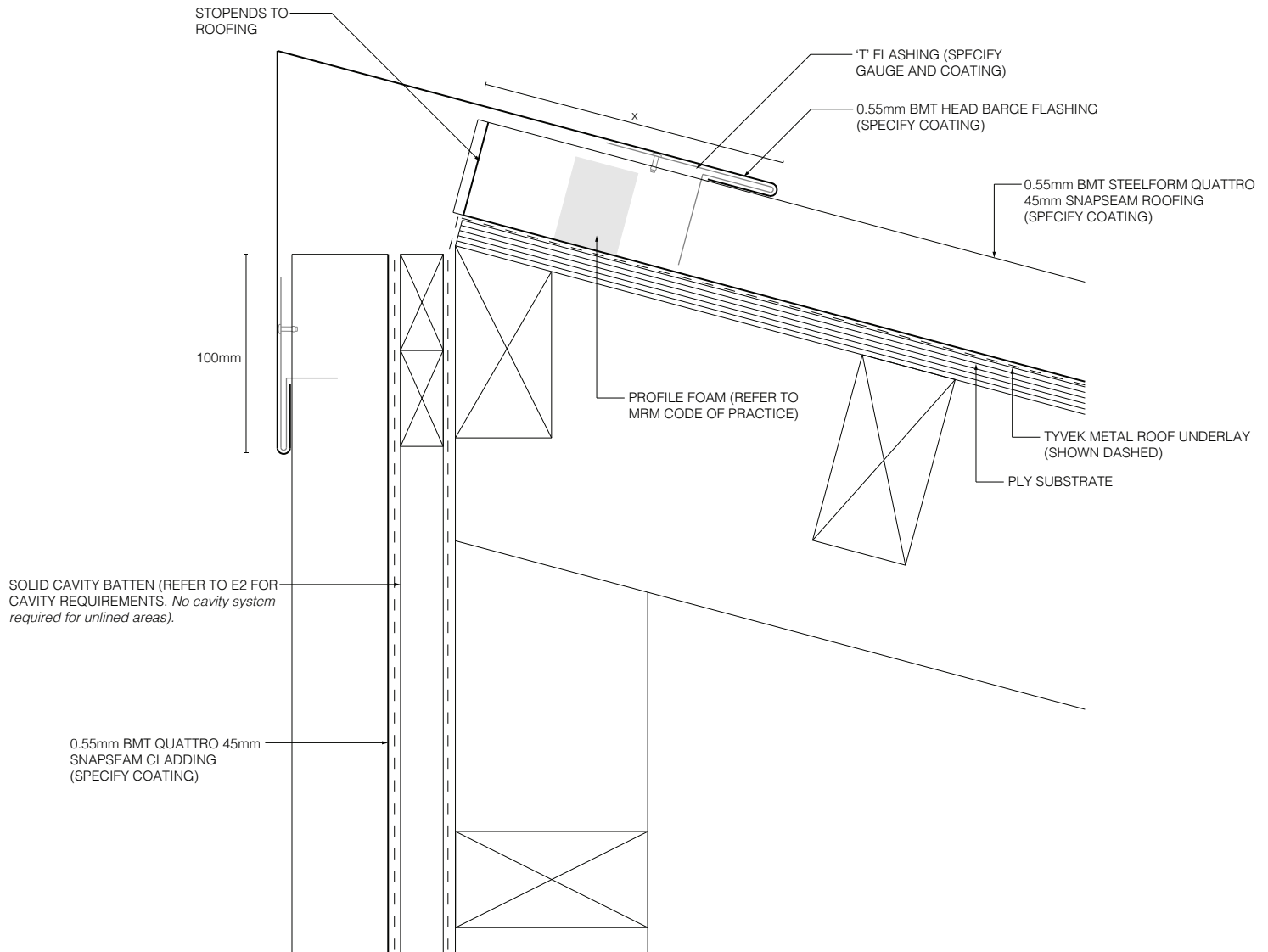
QUATTRO 45mm SNAPSEAM

RESIDENTIAL ROOFING

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TYPICAL HEAD BARGE FLASHING DETAIL
Very High, Extra High and Special Engineering Design (SED) wind zones



	SITUATION 1 LOW/MEDIUM/HIGH WIND ZONES, AND ROOF PITCH IS 10° AND ABOVE	SITUATION 2 VERY HIGH WIND ZONE. ALL ROOF PITCHES	SITUATION 3 EXTRA HIGH WIND ZONE, ALL ROOF PITCHES
x=	min 130mm	min 200mm	min 200mm
PLEASE REFER TO E2/AS1 TABLE 7 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS			



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

QUATTRO 45mm SNAPSEAM

AUGUST 2021 / V1

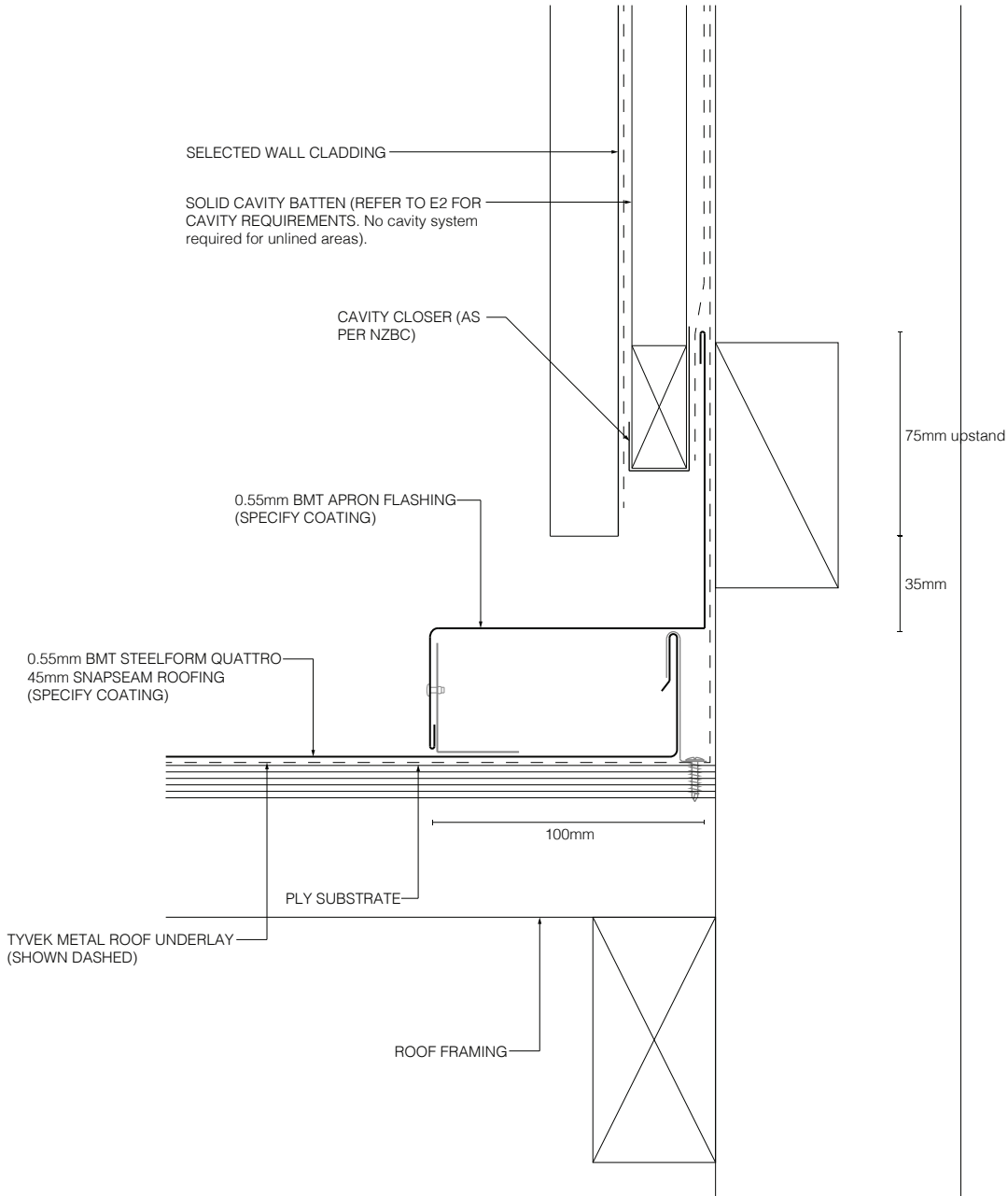
RESIDENTIAL ROOFING

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TYPICAL APRON FLASHING DETAIL

Very High, Extra High and Special Engineering Design (SED) wind zones



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

QUATTRO 45mm SNAPSEAM

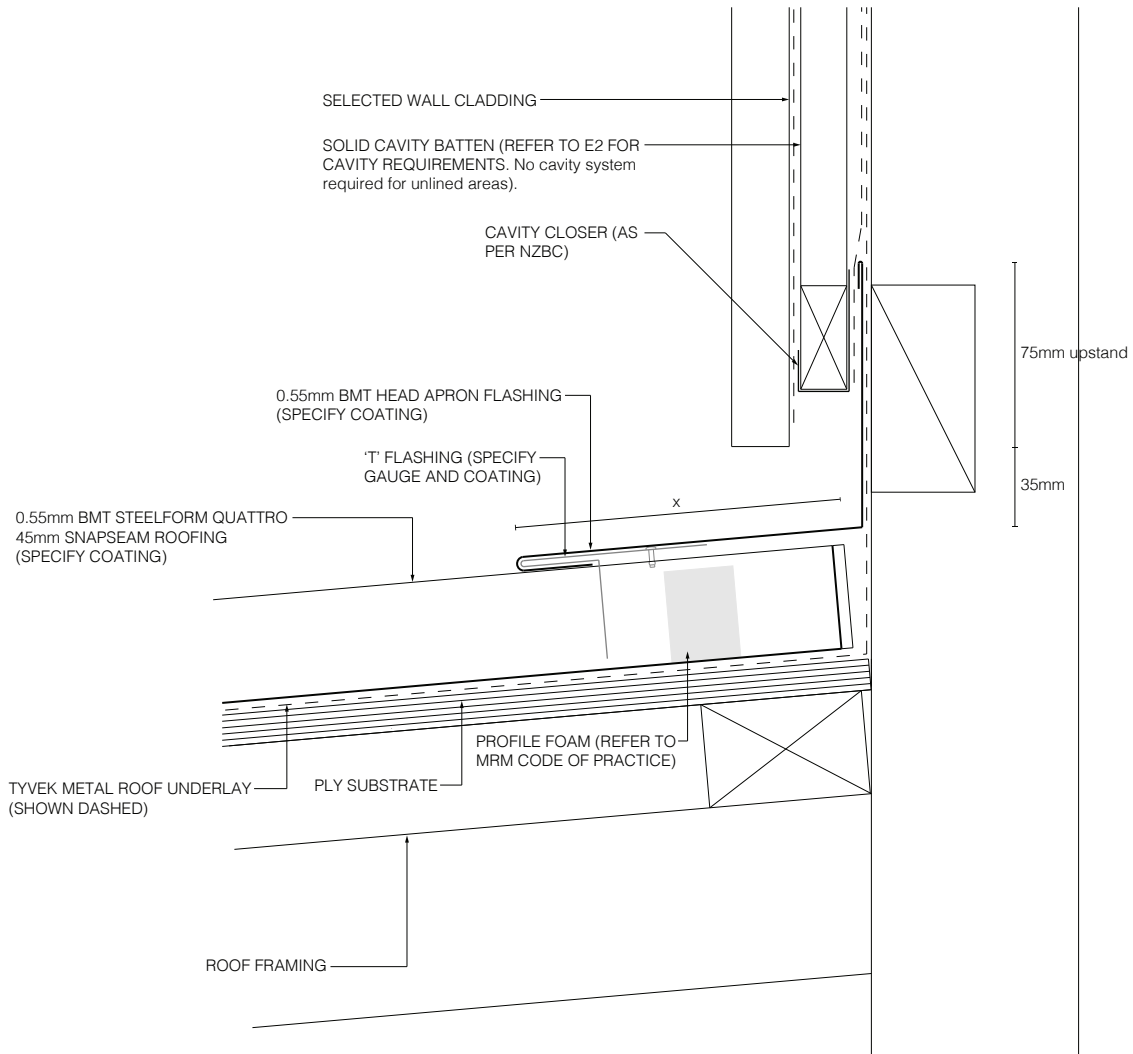
RESIDENTIAL ROOFING

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TYPICAL HEAD APRON FLASHING DETAIL

Very High, Extra High and Special Engineering Design (SED) wind zones



	SITUATION 1 LOW/MEDIUM/HIGH WIND ZONES, AND ROOF PITCH IS 10° AND ABOVE	SITUATION 2 VERY HIGH WIND ZONE. ALL ROOF PITCHES	SITUATION 3 EXTRA HIGH WIND ZONE, ALL ROOF PITCHES
x=	min 130mm	min 200mm	min 200mm
PLEASE REFER TO E2/AS1 TABLE 7 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS			



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

QUATTRO 45mm SNAPSEAM

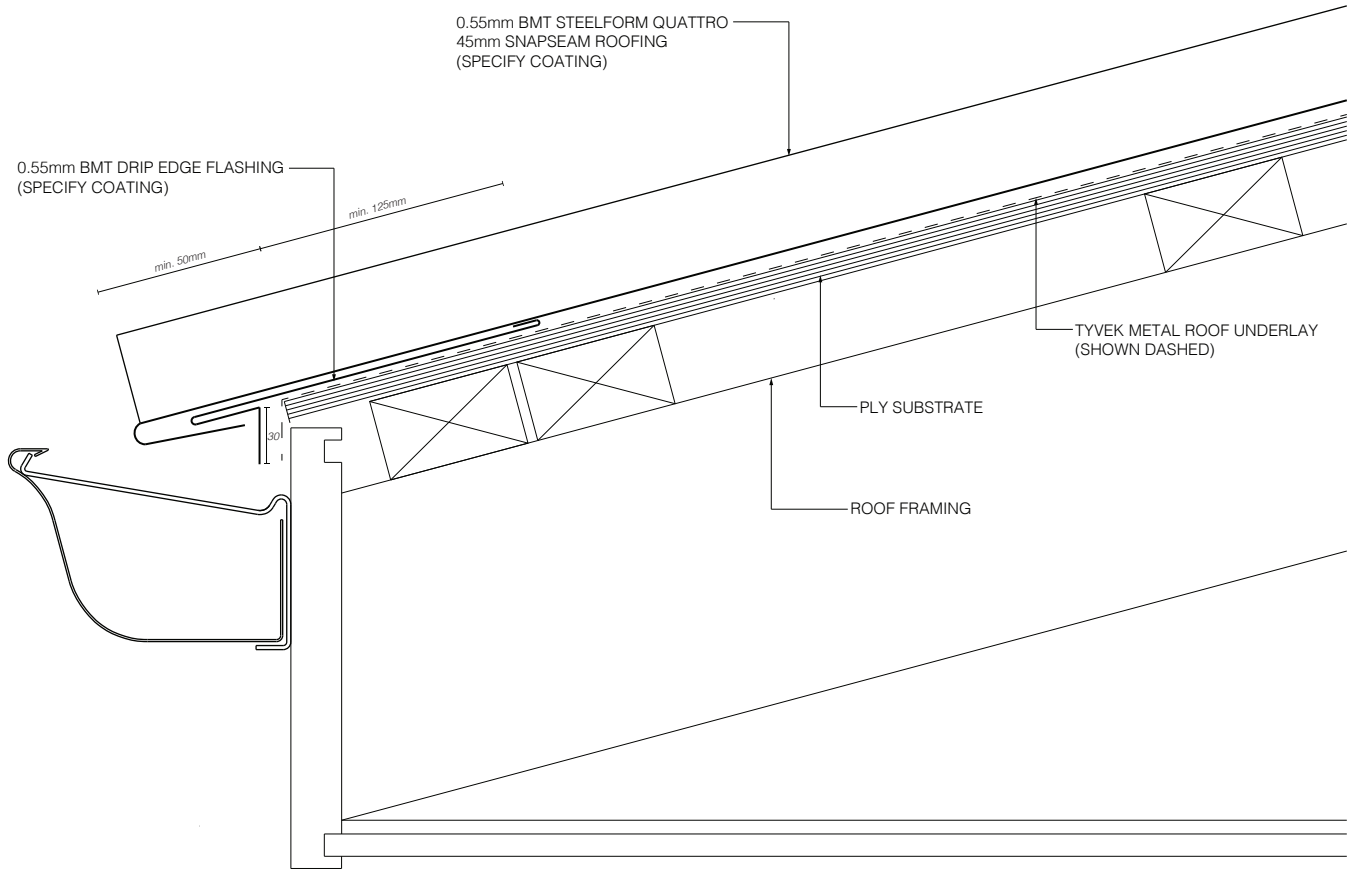
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TYPICAL DRIP EDGE FLASHING DETAIL

Very High, Extra High and Special Engineering Design (SED) wind zones



LONGRUN ROOFING MANUFACTURES

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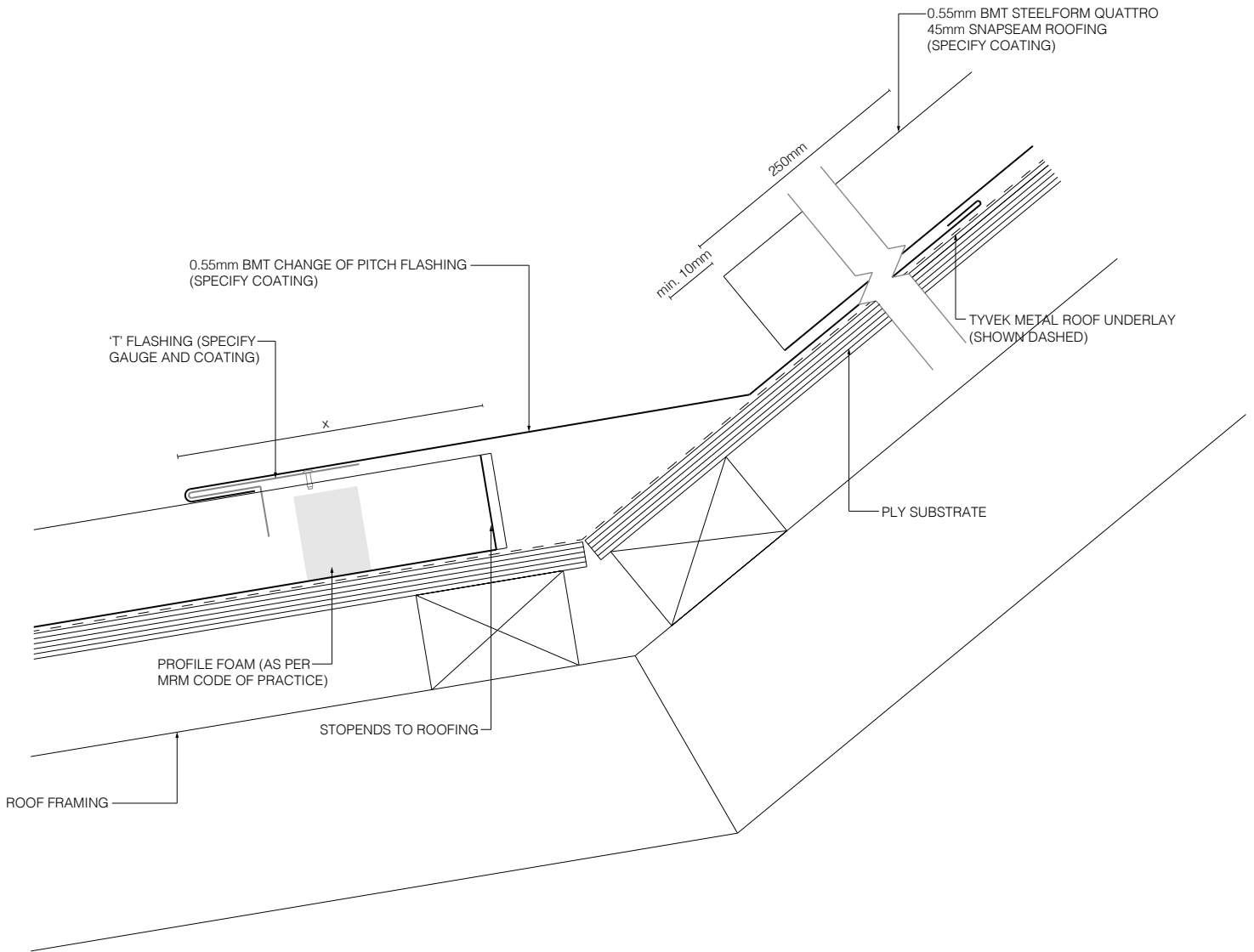
QUATTRO 45mm SNAPSEAM

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TYPICAL CHANGE OF PITCH FLASHING DETAIL
Very High, Extra High and Special Engineering Design (SED) wind zones



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x=	min 130mm	min 200mm	min 200mm
PLEASE REFER TO E2/AS1 TABLE 7 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS			



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

QUATTRO 45mm SNAPSEAM

AUGUST 2021 / V1

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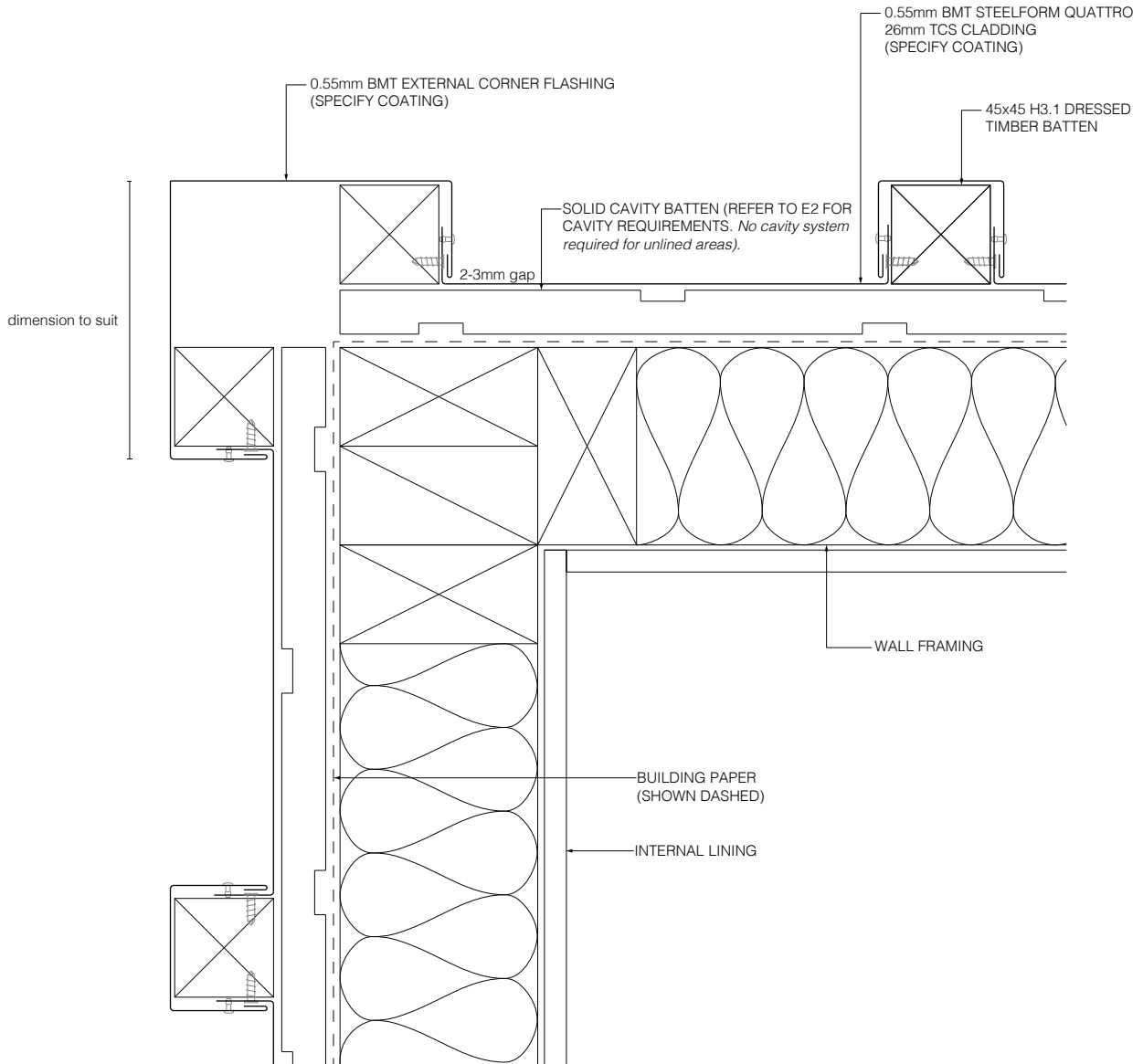
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TYPICAL EXTERNAL CORNER DETAIL



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

QUATTRO TCS CLADDING

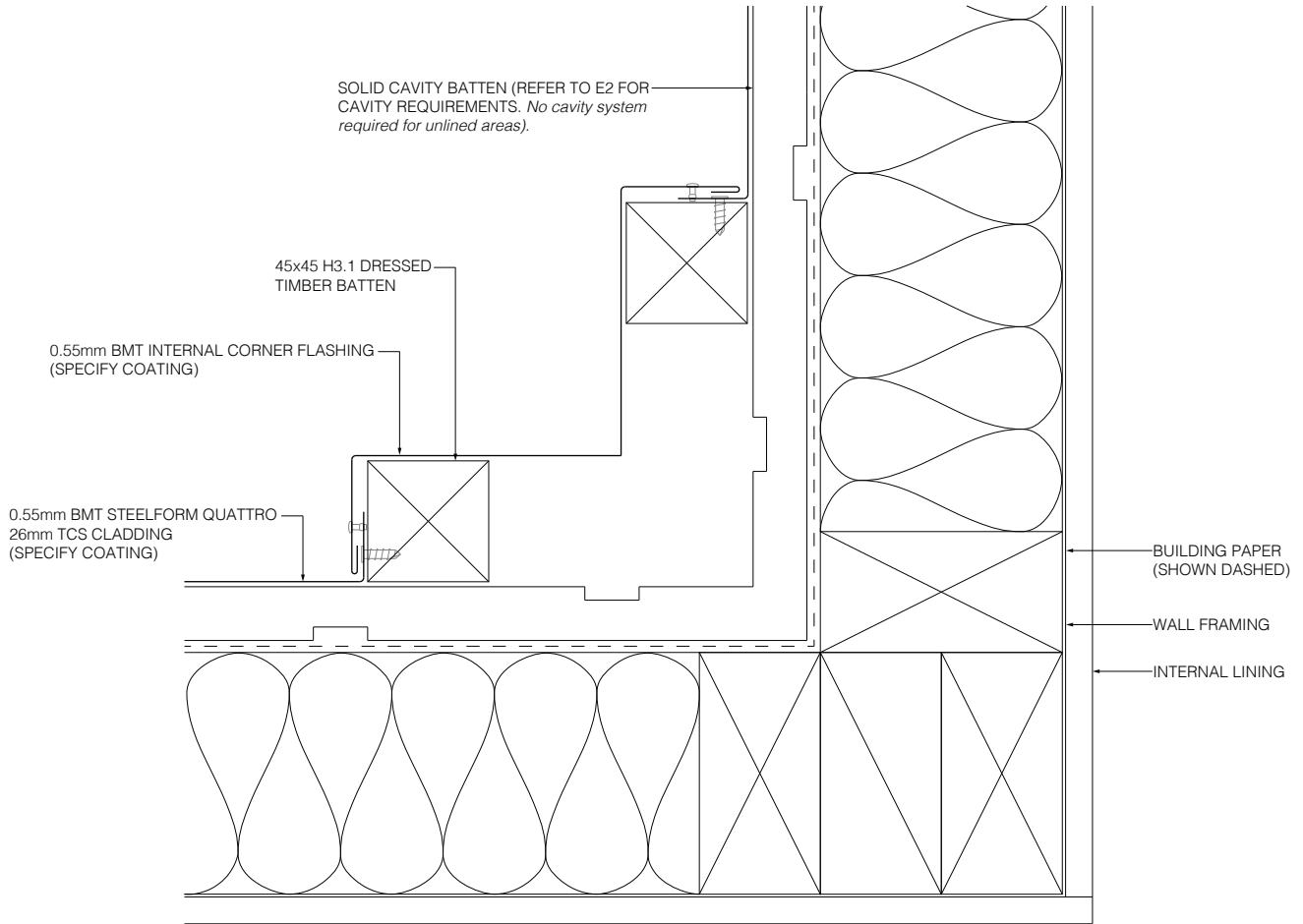
AUGUST 2021 / V1

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TYPICAL INTERNAL CORNER DETAIL



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

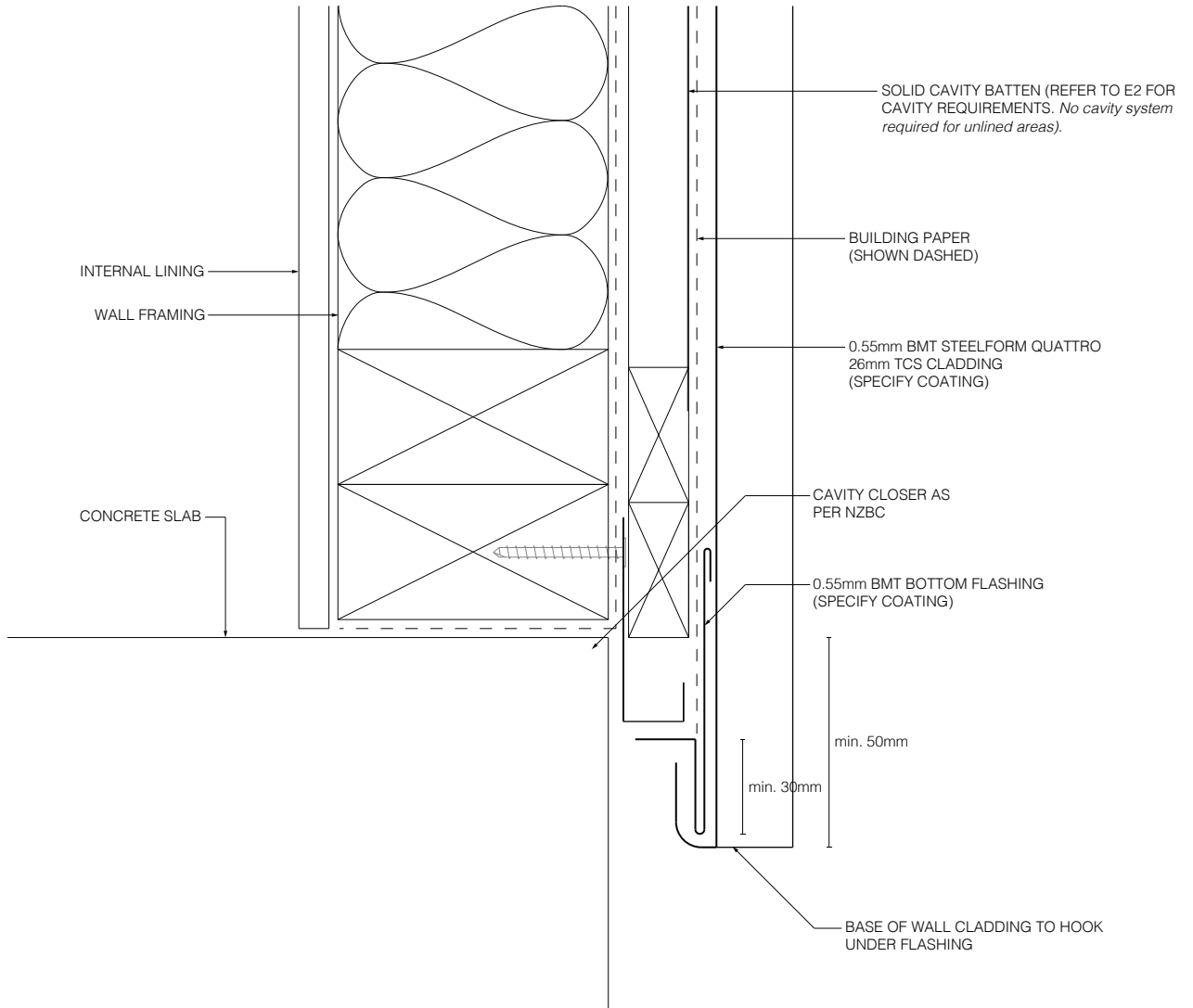
QUATTRO TCS CLADDING

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TYPICAL BOTTOM FLASHING DETAIL



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

QUATTRO TCS CLADDING

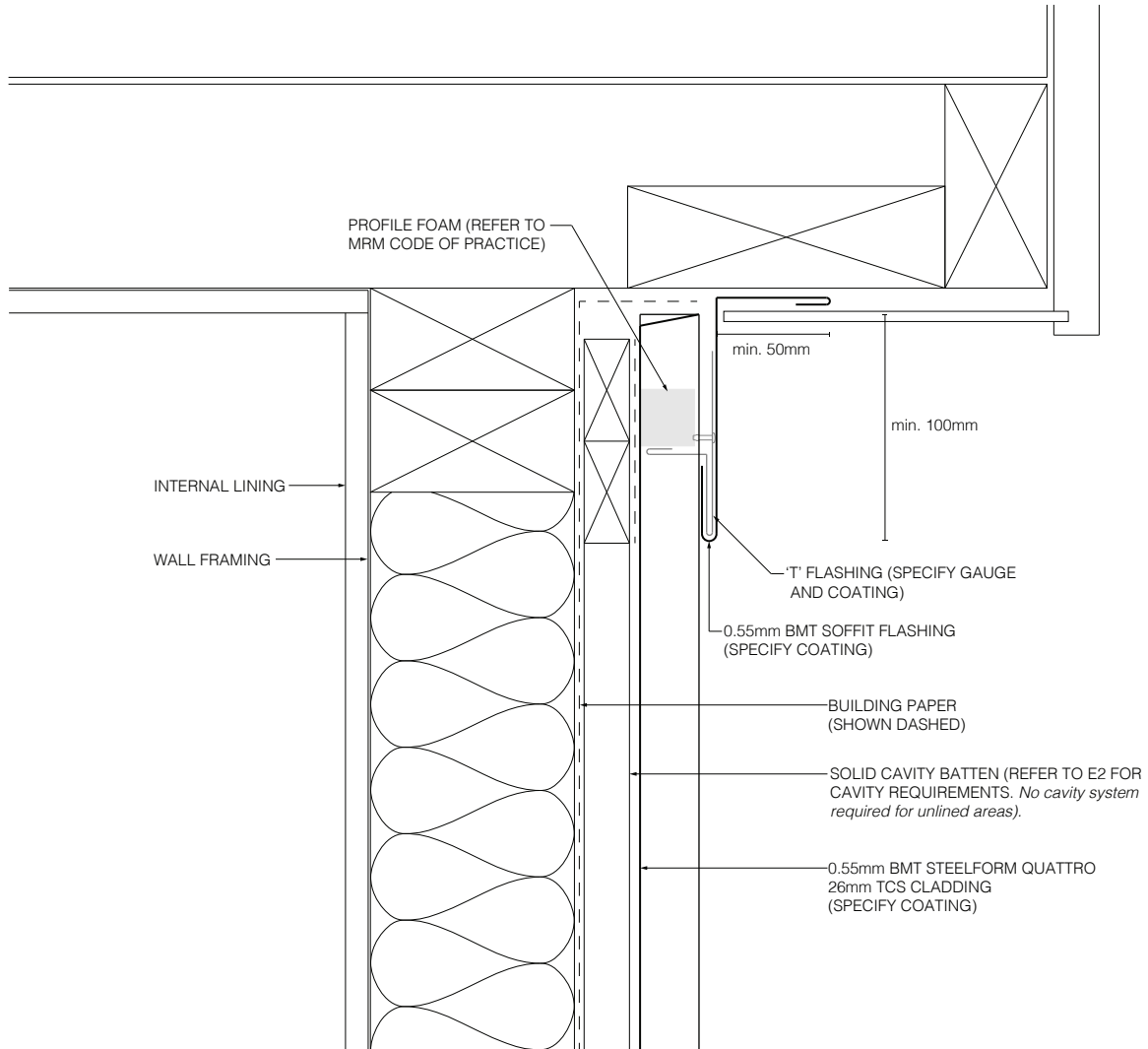
AUGUST 2021 / V1

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TYPICAL SOFFIT FLASHING DETAIL



LONGRUN ROOFING MANUFACTURES
TARANAKI STEELFORMERS LTD.

QUATTRO TCS CLADDING

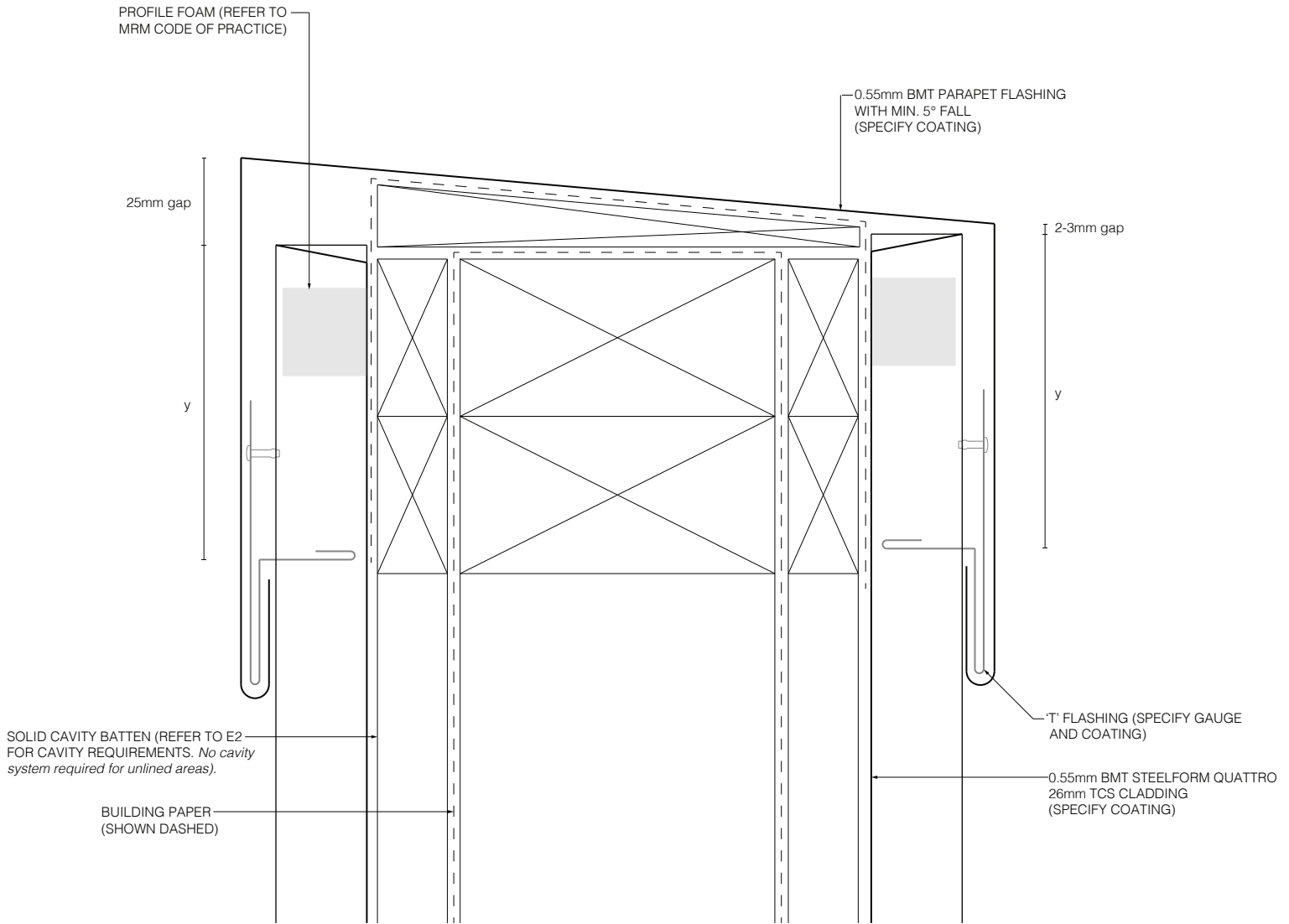
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TYPICAL PARAPET FLASHING DETAIL



	SITUATION 1 LOW/MEDIUM/HIGH WIND ZONES, AND ROOF PITCH IS 10° AND ABOVE	SITUATION 2 VERY HIGH WIND ZONE. ALL ROOF PITCHES	SITUATION 3 EXTRA HIGH WIND ZONE, ALL ROOF PITCHES
y=	50mm	70mm	90mm
PLEASE REFER TO E2/AS1 TABLE 7 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS			



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

AUGUST 2021 / V1

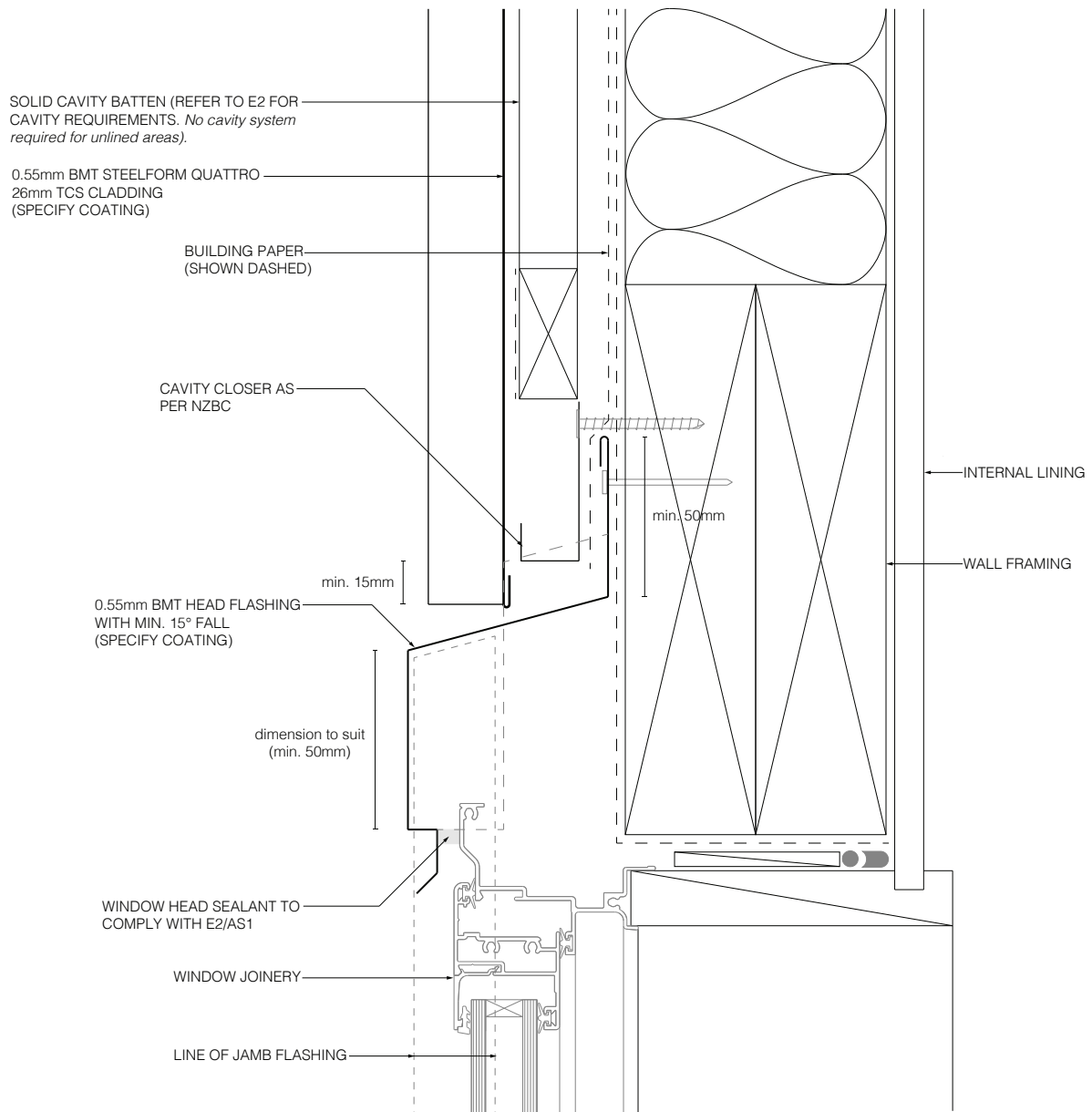
QUATTRO TCS CLADDING

RESIDENTIAL

NOT TO SCALE

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TYPICAL WINDOW (HEAD) FLASHING DETAIL



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QUATTRO TCS CLADDING

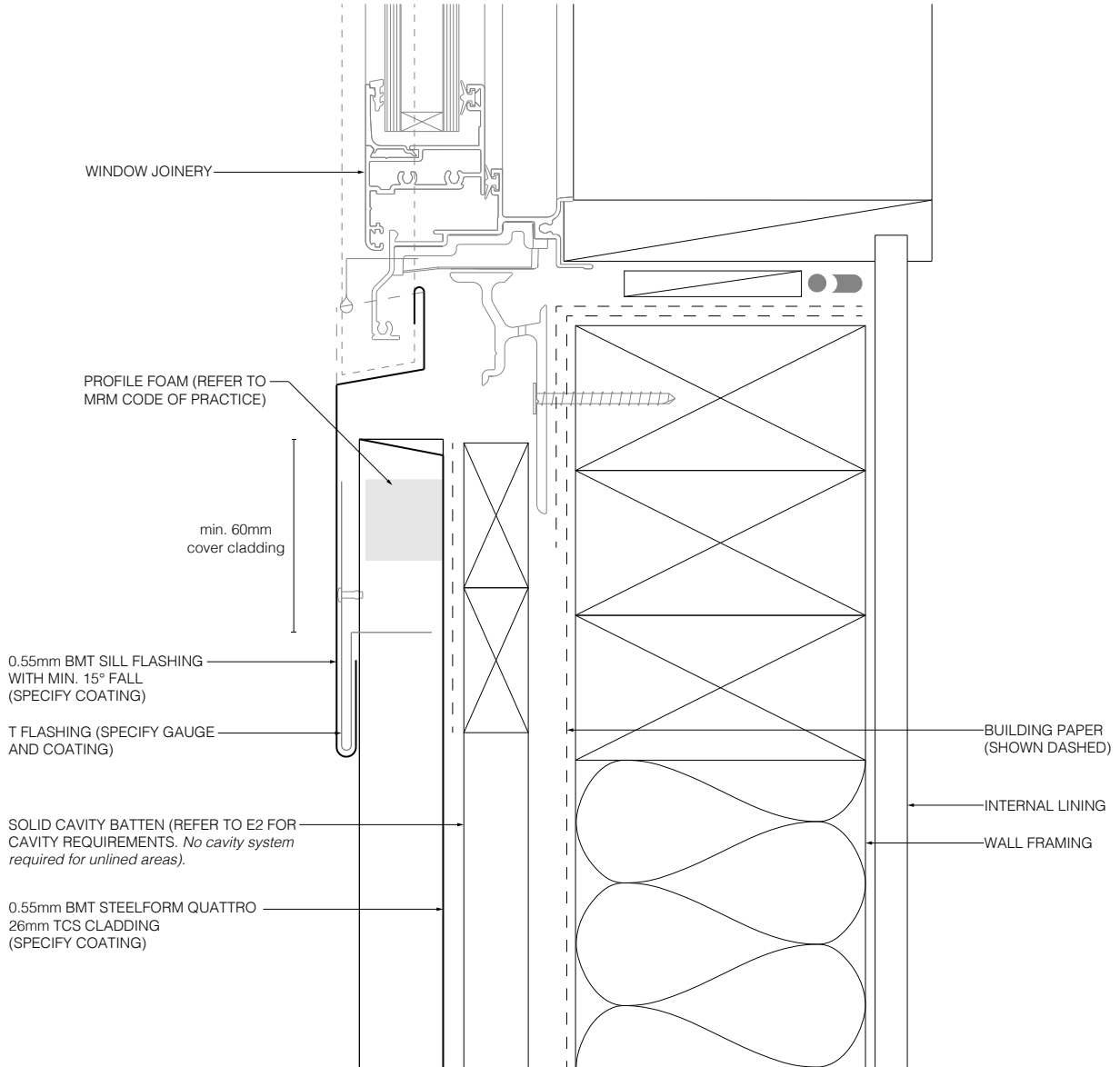
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TYPICAL WINDOW (SILL) FLASHING DETAIL



LONGRUN ROOFING MANUFACTURES
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QUATTRO TCS CLADDING

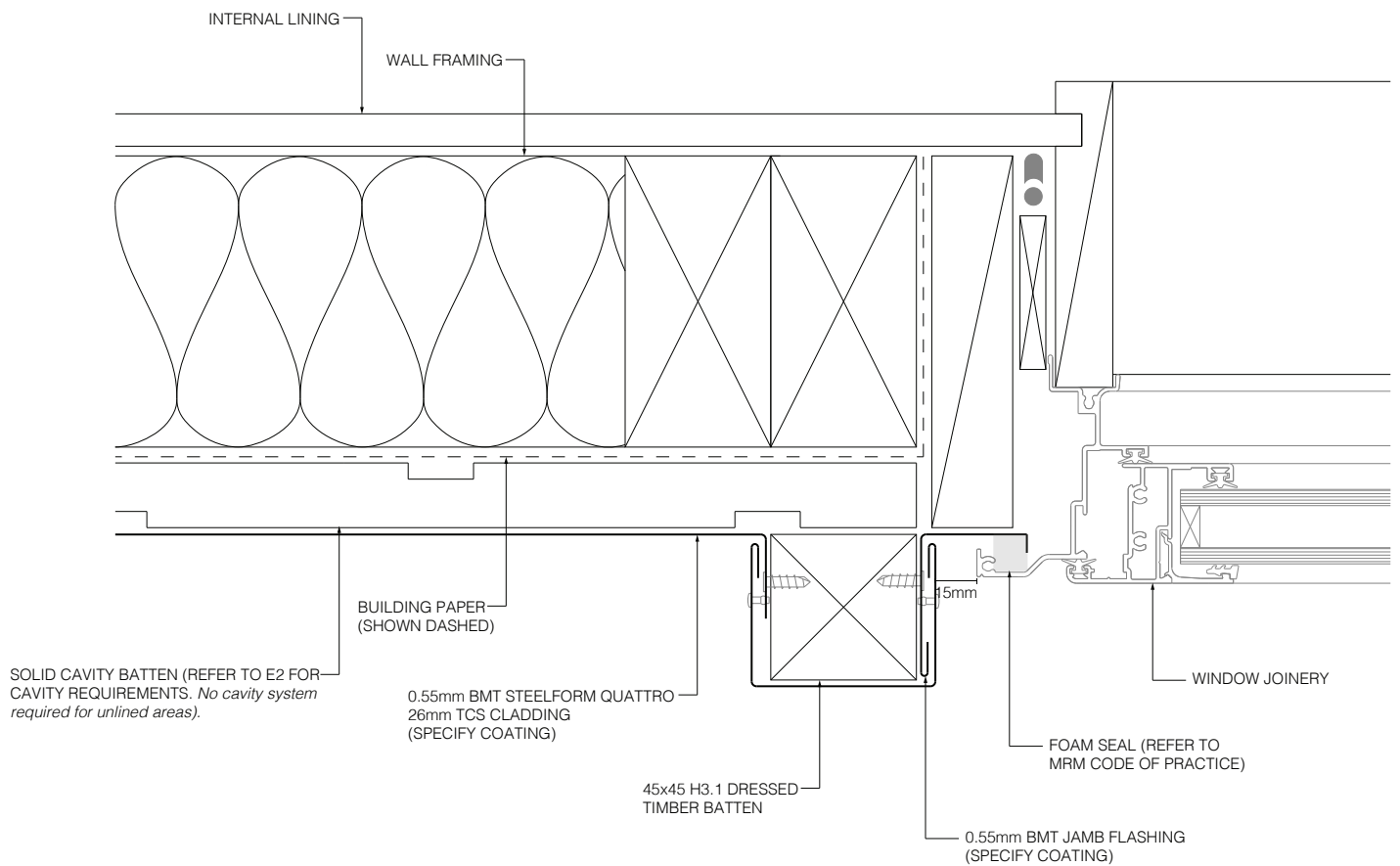
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TYPICAL WINDOW (JAMB) FLASHING DETAIL



LONGRUN ROOFING MANUFACTURES

TARANAKI STEELFORMERS LTD.

QUATTRO TCS CLADDING



AUGUST 2021 / V1

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IMPORTANT QUATTRO TRAY PROFILE INFORMATION

Prior to selecting the Steelformers Quattro range, it is strongly recommended that the customer and/or designer liaises with Steelformers as there are possible effects that may become evident when used. Ultimately, the use of any of the Steelformers Quattro range (as roofing and/or cladding) will be at Steelformers discretion.

Sound Reverberation

Given the wide tray, in adverse weather and wind conditions, reverberations of sound has been experienced in some cases. Therefore, site details including the degree of wind exposure need to be considered to ensure the Steelformers Quattro range is suitable for the environment in which it will be exposed. The customer will be advised by Steelformers if it is believed the range is not suitable.

Oil Canning

Oil Canning is the visible waviness in the flat trays of metal roofing and cladding. Oil canning is unavoidable and can occur during the forming and installation, and during the thermal expansion and contraction of the roof sheets during its life-cycle. (Please note, whilst oil canning is an aesthetic effect, it does not cause detriment to product performance.) The effect can be more or less pronounced depending on differing light and sun angles, the coating gloss levels and the chosen colour.

Oil canning can be reduced (but not eliminated) with the use of stiffening swages in the pans and/or by reducing the tray widths. If Steelformers deem reducing the tray widths is necessary, this will be discussed with the customer.

Swages

It is mandatory practice to run any of the Quattro tray profiles with swages in the pans. If a customer would like their profile run without swages it will be at Steelformers discretion on a case-by-case basis.

IMPORTANT UPDATES REGARDING QUATTRO 45MM SNAPSEAM REQUIREMENTS

To ensure the Quattro 45mm Snapseam profile performs consistently in New Zealand's range of environments, Steelformers are implementing some important factors:

- All Quattro 45mm Snapseam jobs must be reviewed by one of the Steelformers Sales Representatives prior to the job commencing. Contact your nearest branch to begin this process.
- All Quattro 45mm Snapseam jobs must be installed using Steelformers flashing details. These are available for download at www.steelformers.co.nz.
- DuPont™ Tyvek® Metal Roof Underlay (or an equivalent product, at Steelformers discretion) is required to be used with Quattro 45mm Snapseam in all wind zones. In Extra High or Specific Engineering Design (SED) wind zones (or areas that may experience these conditions), Quattro 45mm Snapseam used as roofing will require the use of an additional plywood substrate.
- Use of 45mm Snapseam in Extra High or Specific Engineering Design (SED) wind zones (or areas that may experience these conditions) areas are subject to review by a Steelformers Sales Representative on a case-by-case basis. This may also apply to our other range of Quattro products in these applications.
- Steelformers also now requires that in all wind zones when installing Quattro 45mm Snapseam, clips must be fixed to all ribs of all purlin lines (or nog lines for wall applications).

Steelformers deem these changes as necessary to ensure our products perform to the highest standards. Please note, we cannot be responsible for performance of our products when our details and/or installation advice have not been followed. If you have any questions or queries, please do not hesitate to contact your nearest Steelformers branch.