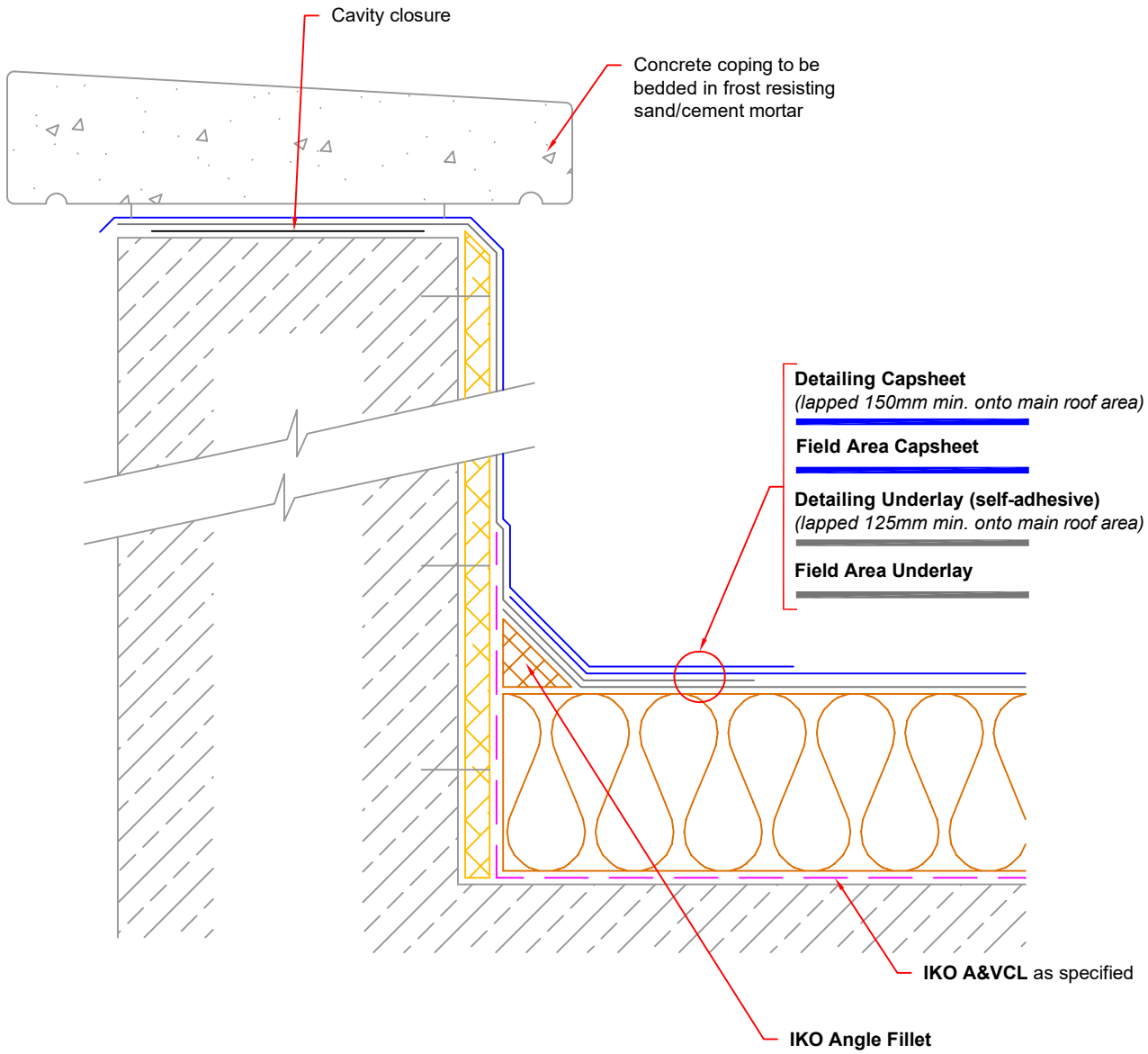

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

PARAPET - Concrete Copings

Remove any cavity tray from within the parapet, which directs water internally to the roof area. Care should be taken not to bridge over any DPC/Cavity tray when installing the new waterproofing system. Inspect and carry out any maintenance work to the parapet as necessary.

Apply an 18mm plywood / OSB/3 timber panel or CP Board to the vertical face of the parapet secured by mechanical fixings.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments.

Apply the specified waterproofing detailing fully bonded to the vertical & horizontal surfaces of the parapet. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

Replace coping stones over newly installed waterproofing on a suitable frost resisting mortar bedding.

NOTES:
Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

Cement Particle (CP) Boards to be used inline with SPRA, LRWA & NFRC Guidance.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm.

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STANDARD DETAIL

Drawing Title: PARAPET - Concrete Copings		**Dwg No:** A1	
Date: February 2024	**Notes/Revisions:** N/A	**Scale:** NTS	**Drawn By:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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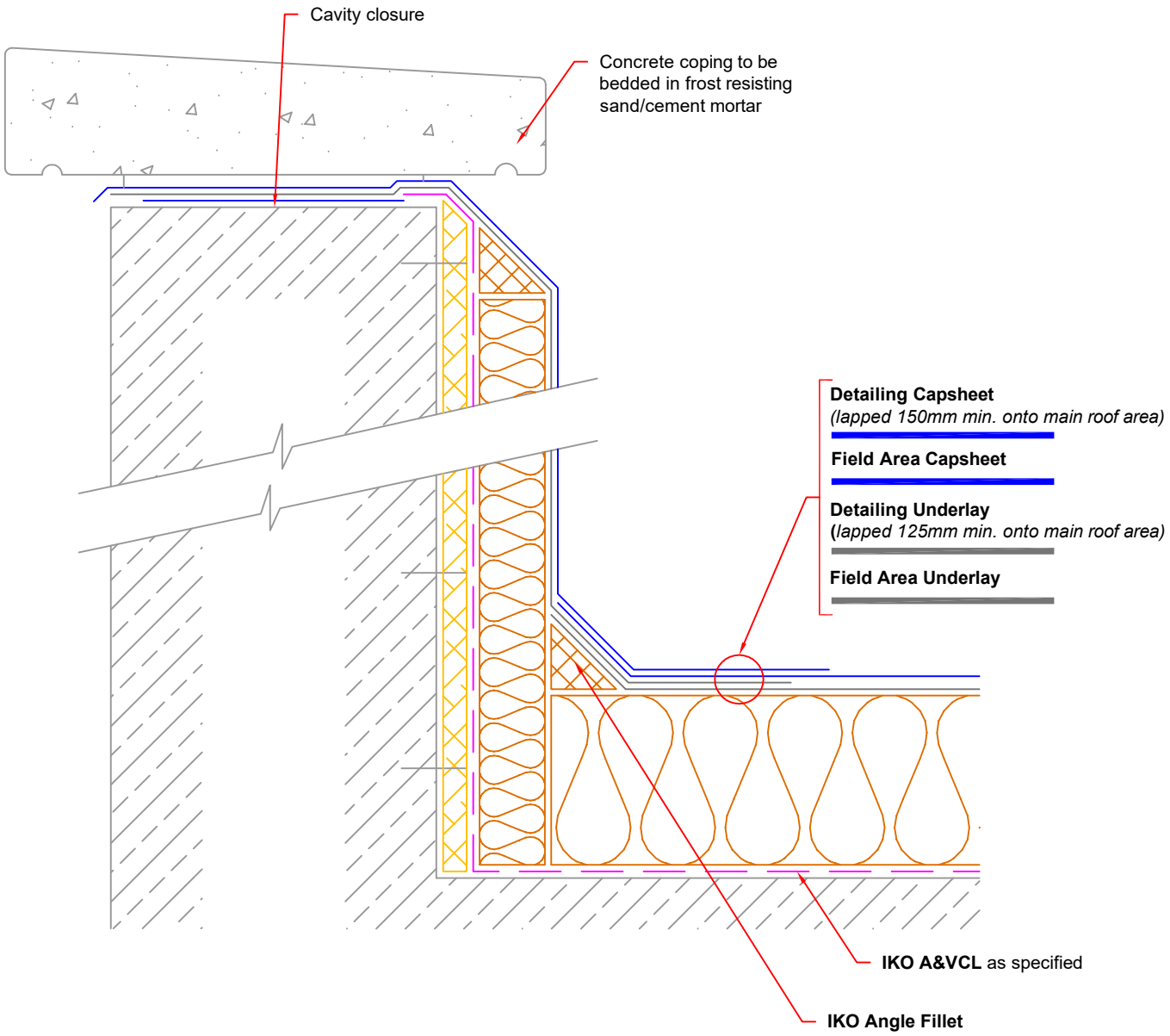

PARAPET - Concrete Copings - Insulated

Remove any cavity tray from within the parapet, which directs water internally to the roof area. Care should be taken not to bridge over any DPC/Cavity tray when installing the new waterproofing system. Inspect and carry out any maintenance work to the parapet as necessary.

Apply an 18mm plywood / OSB/3 timber panel or CP Board to the vertical face of the parapet secured by mechanical fixings.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum and fully encapsulate the insulation.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, including to the vertical face of the parapet as indicated to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments.

Apply the specified waterproofing detailing fully bonded to the vertical & horizontal surfaces of the parapet. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

Replace or provide new coping stones over newly installed waterproofing on a suitable frost resisting mortar bedding.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

Cement Particle (CP) Boards to be used inline with SPRA, LRWA & NFRC Guidance.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

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STANDARD DETAIL

Drawing Title: PARAPET - Concrete Copings - Insulated		**Dwg No:** A2	
Date: February 2024	**Notes/Revisions:** N/A	**Scale:** NTS	**Drawn By:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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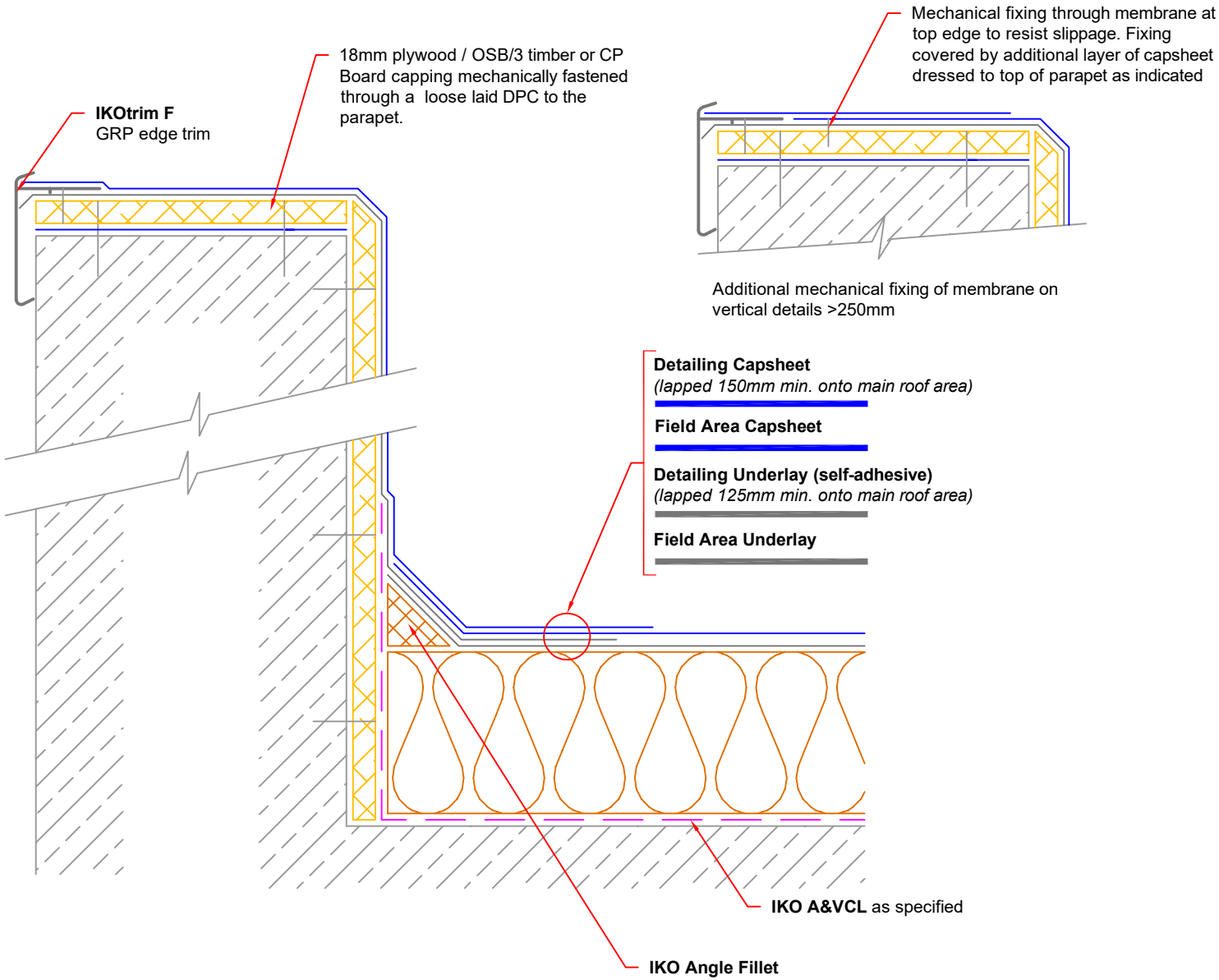

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

PARAPET - GRP trim

Remove any cavity tray from within the parapet, which directs water internally to the roof area. Care should be taken not to bridge over any DPC/Cavity tray when installing the new waterproofing system. Inspect and carry out any maintenance work to the parapet as necessary.

Apply an 18mm plywood / OSB/3 timber panel or CP Board providing positive falls towards the roof to the top of the parapet over a loose laid DPC using suitable mechanical fixings. Negative falls to the top of the parapet are not acceptable. Apply an 18mm plywood / OSB/3 timber panel or CP Board to the vertical face of the parapet secured by mechanical fixings.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments.

Apply the specified waterproofing detailing fully bonded to the vertical and horizontal surfaces of the parapet, lapped and fully sealed onto the main area as indicated. The Detailing Underlay should be finished so as to drape over the outer edge as shown. Apply **IKOTRIM F** edge trim, mechanically fastened to the timber capping at maximum 300mm staggered centres (150mm maximum for areas of high wind uplift) and sandwiched between waterproofing layers as indicated.

Apply Detailing Capsheet fully bonded to the vertical and horizontal surfaces of the parapet, dressed into the channel of the **IKOTRIM F** edge trim, lapped and fully sealed onto the main roof area as indicated.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

Cement Particle (CP) Boards to be used inline with SPRA, LRWA & NFRC Guidance.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm (as indicated).

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STANDARD DETAIL

Drawing Title: PARAPET - GRP trim		**Dwg No:** A3	
Date: February 2024	**Notes/Revisions:** N/A	**Scale:** NTS	**Drawn By:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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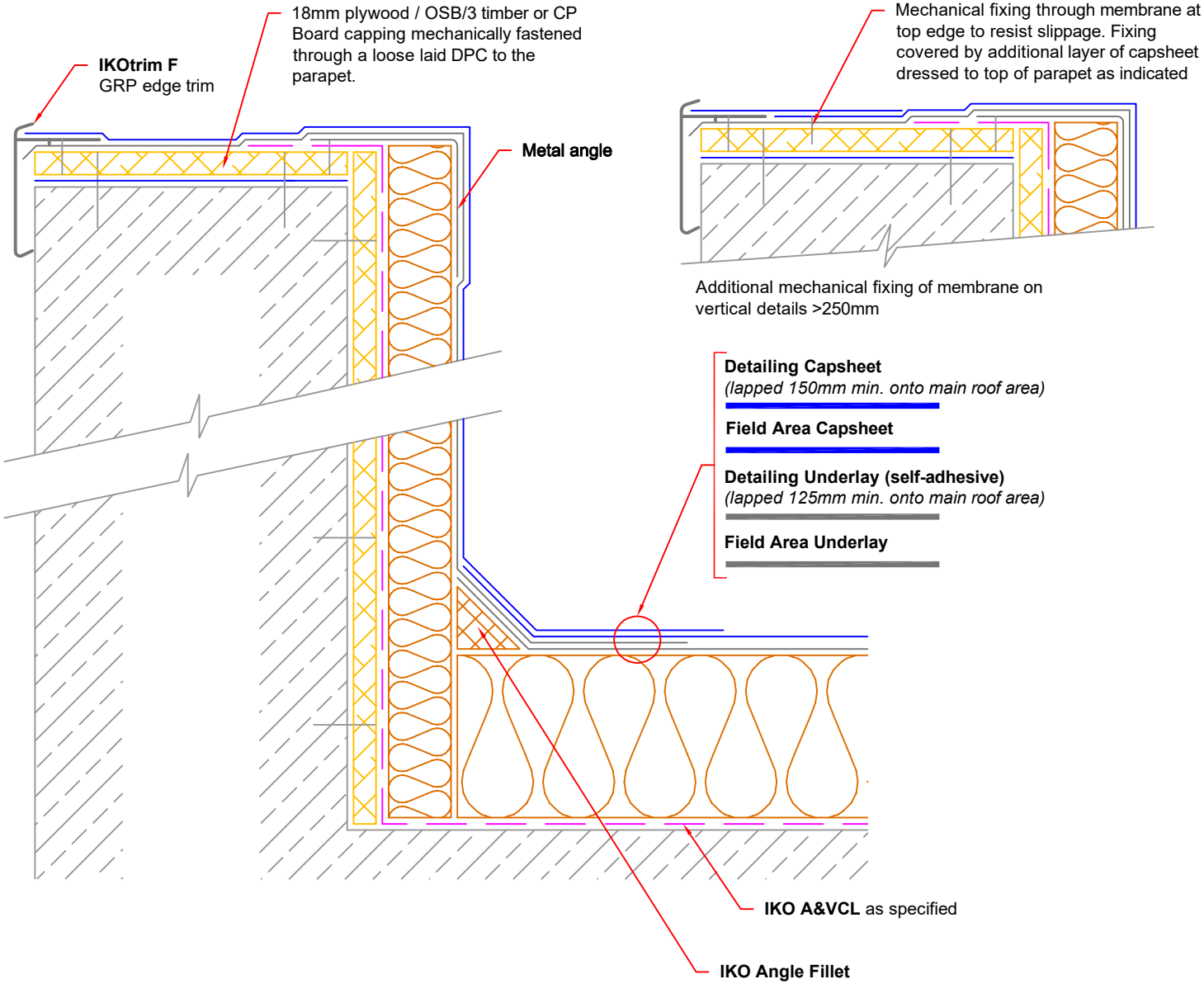

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

PARAPET - GRP trim - Insulated

Remove any cavity tray from within the parapet, which directs water internally to the roof area. Care should be taken not to bridge over any DPC/Cavity tray when installing the new waterproofing system. Inspect and carry out any maintenance work to the parapet as necessary.

Apply an 18mm plywood / OSB/3 timber panel or CP Board providing positive falls towards the roof to the top of the parapet over a loose laid DPC using suitable mechanical fixings. Negative falls to the top of the parapet are not acceptable. Apply an 18mm plywood / OSB/3 timber panel or CP Board to the vertical face of the parapet secured by mechanical fixings.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum and fully encapsulate the insulation.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, including to the full height of the parapet to be bonded as per IKO Specification Proposal.

Apply a preformed metal angle (minimum 150mm x 150mm) bonded in 2 Part PU Adhesive to protect the edges of the vertical insulation.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments.

Apply the specified waterproofing detailing fully bonded to the vertical and horizontal surfaces of the parapet, lapped and fully sealed onto the main area as indicated. The Detailing Underlay should be finished so as to drape over the outer edge as shown.

Apply **IKOTRIM F** edge trim, mechanically fastened to the timber capping at maximum 300mm staggered centres (150mm maximum for areas of high wind uplift) and sandwiched between waterproofing layers as indicated.

Apply Detailing Capsheet fully bonded to the vertical and horizontal surfaces of the parapet, dressed into the channel of the **IKOTRIM F** edge trim, lapped and fully sealed onto the main roof area as indicated.

NOTES:
Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

Cement Particle (CP) Boards to be used inline with SPRA, LRWA & NFRC Guidance.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm (as indicated).

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STANDARD DETAIL

Drawing Title: PARAPET - GRP trim - Insulated		**Dwg No:** A4	
Date: February 2024	**Notes/Revisions:** N/A	**Scale:** NTS	**Drawn By:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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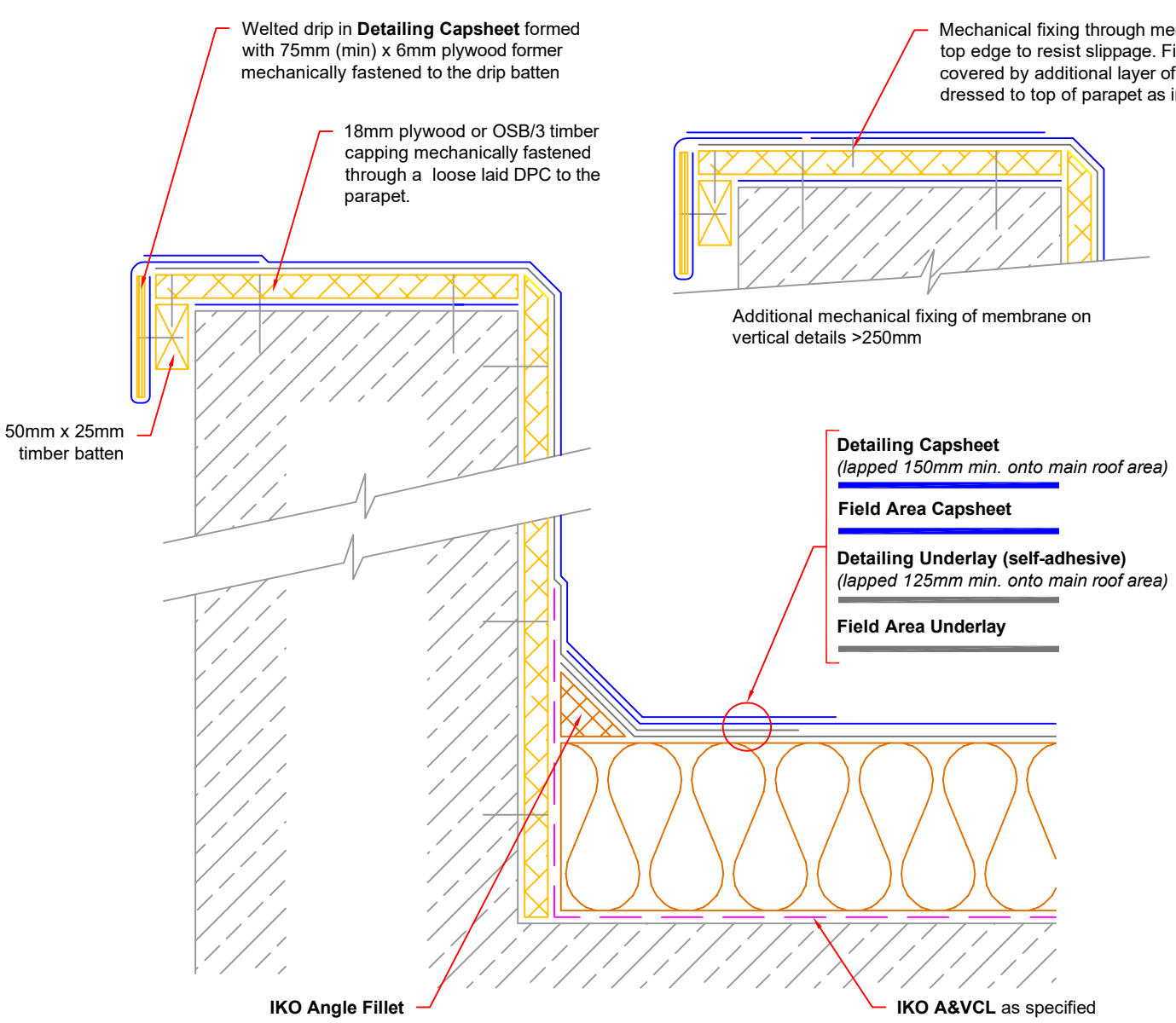

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

PARAPET - Welted Drip

Remove any cavity tray from within the parapet, which directs water internally to the roof area. Care should be taken not to bridge over any DPC/Cavity tray when installing the new waterproofing system. Inspect and carry out any maintenance work to the parapet as necessary.

Apply an 18mm plywood / OSB/3 timber panel or CP Board providing positive falls towards the roof to the top of the parapet over a loose laid DPC using suitable mechanical fixings. Negative falls to the top of the parapet are not acceptable. This panel should be 25mm wider than the top of the parapet wall. Apply an 18mm plywood / OSB/3 timber panel or CP Board to the vertical face of the parapet secured by mechanical fixings.

Fix 50mm x 25mm treated timber batten to underside of outer edge of capping piece to form drip batten.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments.

Apply the specified waterproofing detailing fully bonded to the vertical and horizontal surfaces of the parapet, lapped and fully sealed onto the main area as indicated.

Install felt drips using 75mm (minimum) x 6mm plywood drip former, mechanically fastened to the treated welted drip batten. Form welted drip in the specified Detailing Capsheet to outer edge, lapping onto the horizontal surface of the parapet as indicated.

Apply the specified Detailing Capsheet fully bonded to the vertical and horizontal surfaces of the parapet, lapped and fully sealed onto the main area as indicated.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm (as indicated).

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STANDARD DETAIL

Drawing Title: PARAPET - Welted Drip		**Dwg No:** A5	
Date: February 2024	**Notes/Revisions:** N/A	**Scale:** NTS	**Drawn By:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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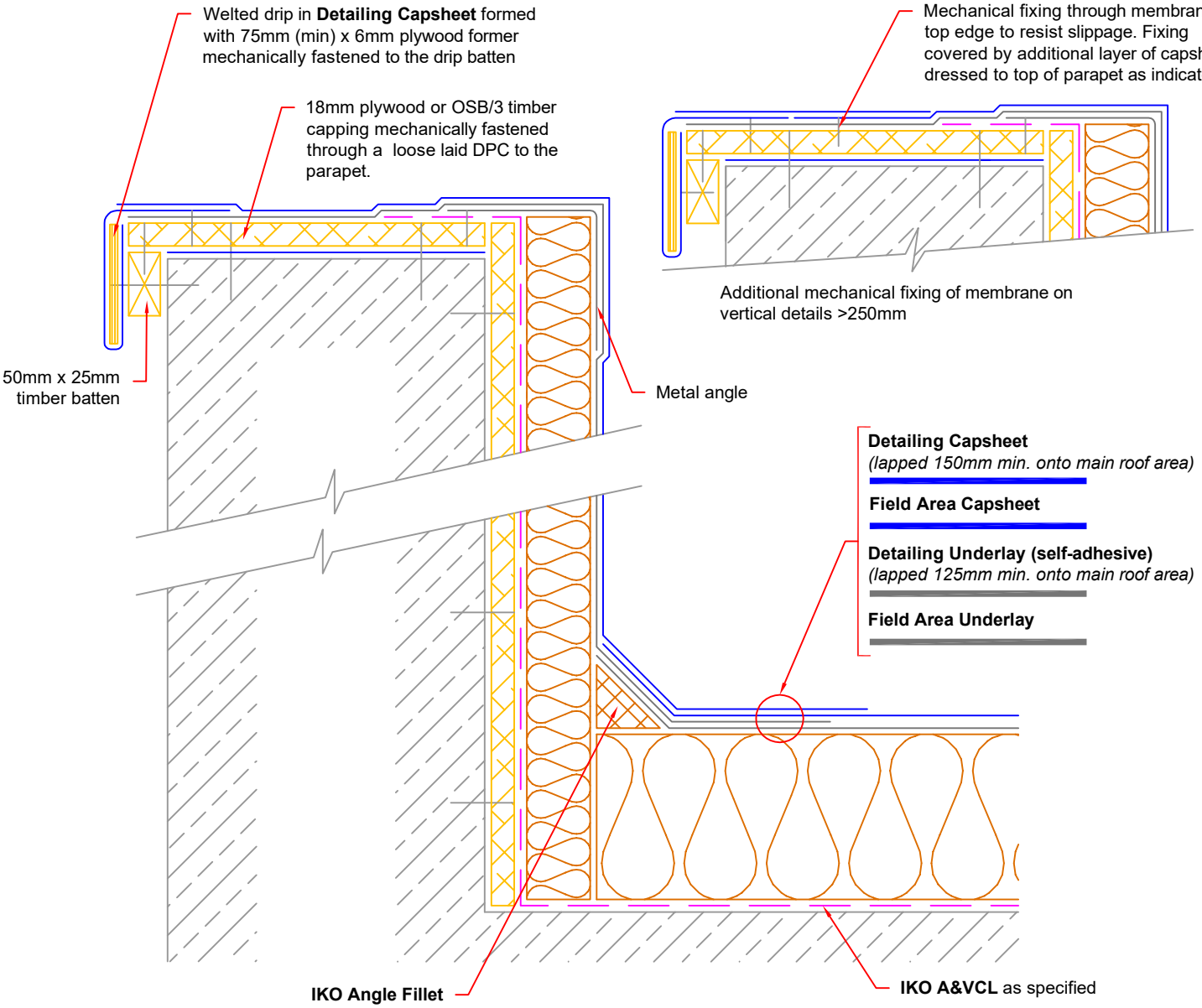

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

PARAPET - Welted Drip - Insulated

Remove any cavity tray from within the parapet, which directs water internally to the roof area. Care should be taken not to bridge over any DPC/Cavity tray when installing the new waterproofing system. Inspect and carry out any maintenance work to the parapet as necessary.

Apply an 18mm plywood / OSB/3 timber panel or CP Board providing positive falls towards the roof to the top of the parapet over a loose laid DPC using suitable mechanical fixings. Negative falls to the top of the parapet are not acceptable. This panel should be 25mm wider than the top of the parapet wall. Apply an 18mm plywood / OSB/3 timber panel or CP Board to the vertical face of the parapet secured by mechanical fixings.

Fix 50mm x 25mm treated timber batten to underside of outer edge of capping piece to form drip batten.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum and fully encapsulate the insulation.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, including to the full height of the parapet to be bonded as per IKO Specification Proposal.

Apply a preformed metal angle (minimum 150mm x 150mm) bonded in 2 Part PU Adhesive to protect the edges of the vertical insulation.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments.

Apply the specified waterproofing detailing fully bonded to the vertical and horizontal surfaces of the parapet, lapped and fully sealed onto the main area as indicated.

Install felt drips using 75mm (minimum) x 6mm plywood drip former, mechanically fastened to the treated welted drip batten. Form welted drip in the specified Detailing Capsheet to outer edge, lapping onto the horizontal surface of the parapet as indicated.

Apply the specified Detailing Capsheet fully bonded to the vertical and horizontal surfaces of the parapet, lapped and fully sealed onto the main area as indicated.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm (as indicated).

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STANDARD DETAIL

Drawing Title: PARAPET - Welted Drip - Insulated		**Dwg No:** A6	
Date: February 2024	**Notes/Revisions:** N/A	**Scale:** NTS	**Drawn By:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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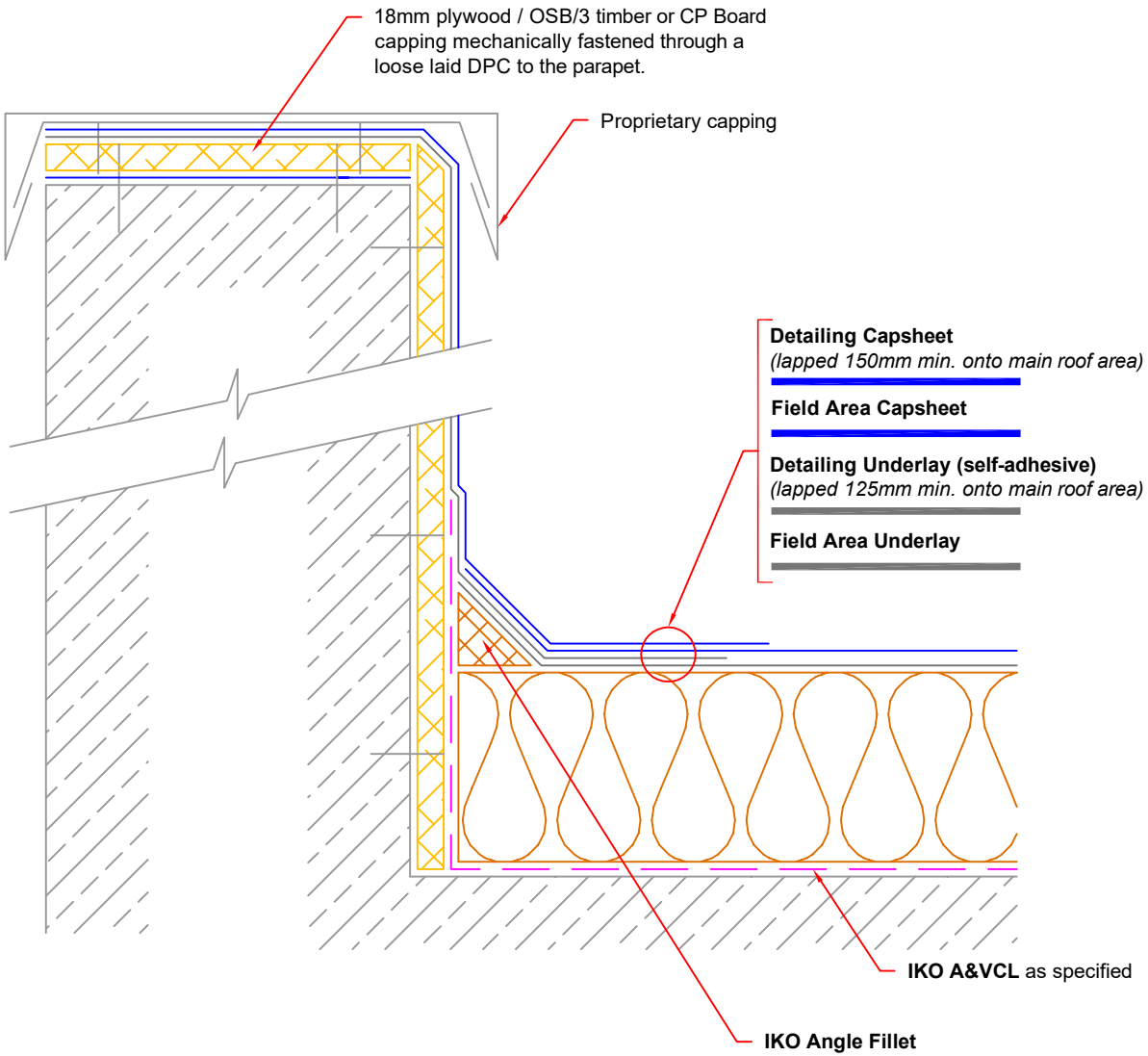

PARAPET - Proprietary Capping

Remove any cavity tray from within the parapet, which directs water internally to the roof area. Care should be taken not to bridge over any DPC/Cavity tray when installing the new waterproofing system. Inspect and carry out any maintenance work to the parapet as necessary.

Apply an 18mm plywood / OSB/3 timber panel or CP Board, to the top of the parapet, over a loose laid DPC and to the vertical face of the parapet secured by mechanical fixings.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments.

Apply the specified waterproofing detailing fully bonded to the vertical & horizontal surfaces of the parapet. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

Install/ replace proprietary capping system, in accordance with manufacturers' recommendations.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

Cement Particle (CP) Boards to be used inline with SPRA, LRWA & NFRC Guidance.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

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STANDARD DETAIL

Drawing Title: PARAPET - Proprietary Capping		**Dwg No:** A7	
Date: February 2024	**Notes/Revisions:** N/A	**Scale:** NTS	**Drawn By:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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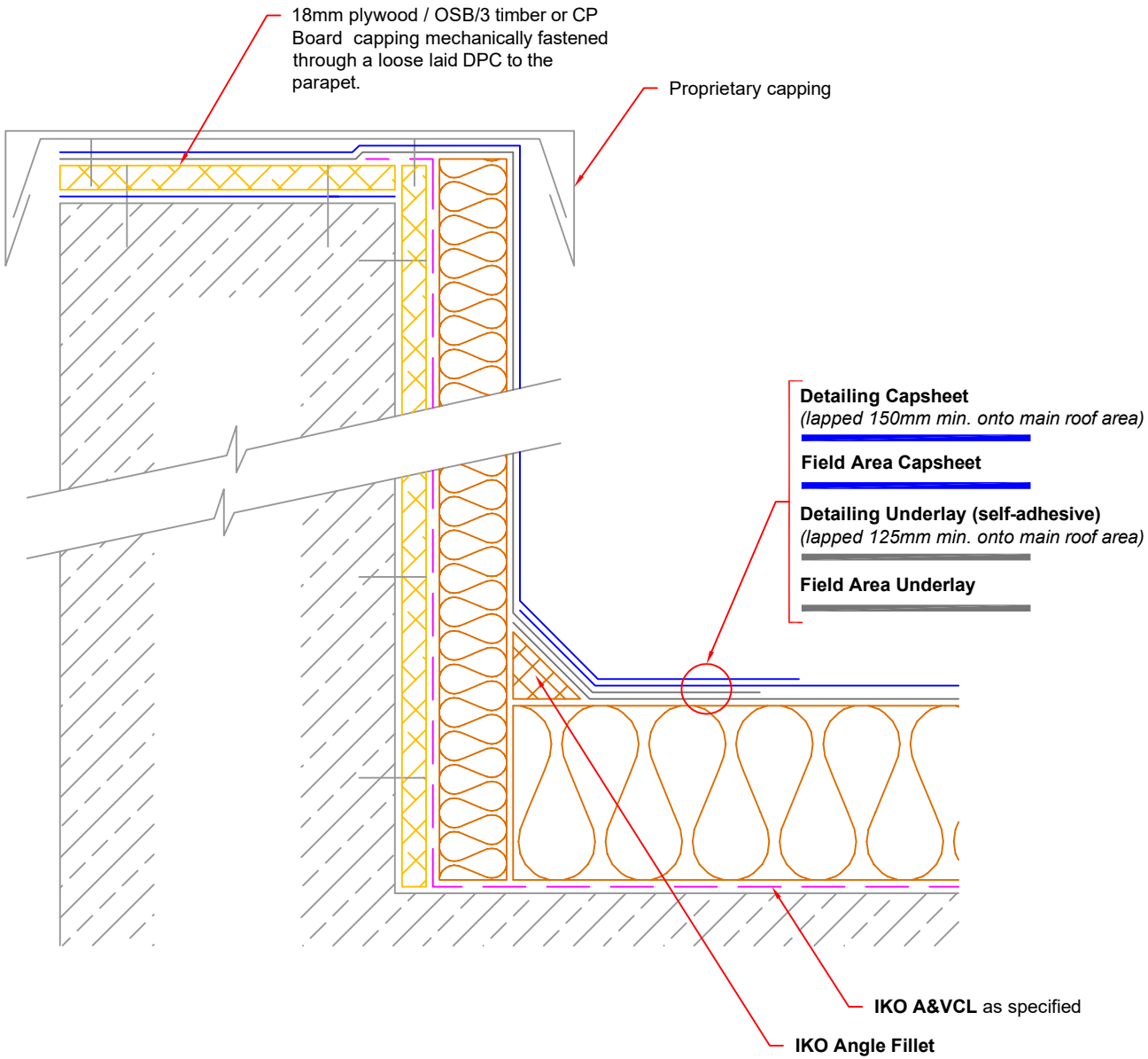

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

PARAPET - Proprietary Capping - Insulated

Remove any cavity tray from within the parapet, which directs water internally to the roof area. Care should be taken not to bridge over any DPC/Cavity tray when installing the new waterproofing system. Inspect and carry out any maintenance work to the parapet as necessary.

Apply an 18mm plywood / OSB/3 timber panel or CP Board, to the top of the parapet, over a loose laid DPC and to the vertical face of the parapet secured by mechanical fixings.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum and fully encapsulate the insulation.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, including to the full height of the parapet to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments.

Apply the specified waterproofing detailing fully bonded to the vertical & horizontal surfaces of the parapet. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

Install/ replace proprietary capping system, in accordance with manufacturers' recommendations.

NOTES:
Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

Cement Particle (CP) Boards to be used inline with SPRA, LRWA & NFRC Guidance.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm.

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STANDARD DETAIL

Drawing Title: PARAPET - Proprietary Capping - Insulated		**Dwg No:** A8	
Date: February 2024	**Notes/Revisions:** N/A	**Scale:** NTS	**Drawn By:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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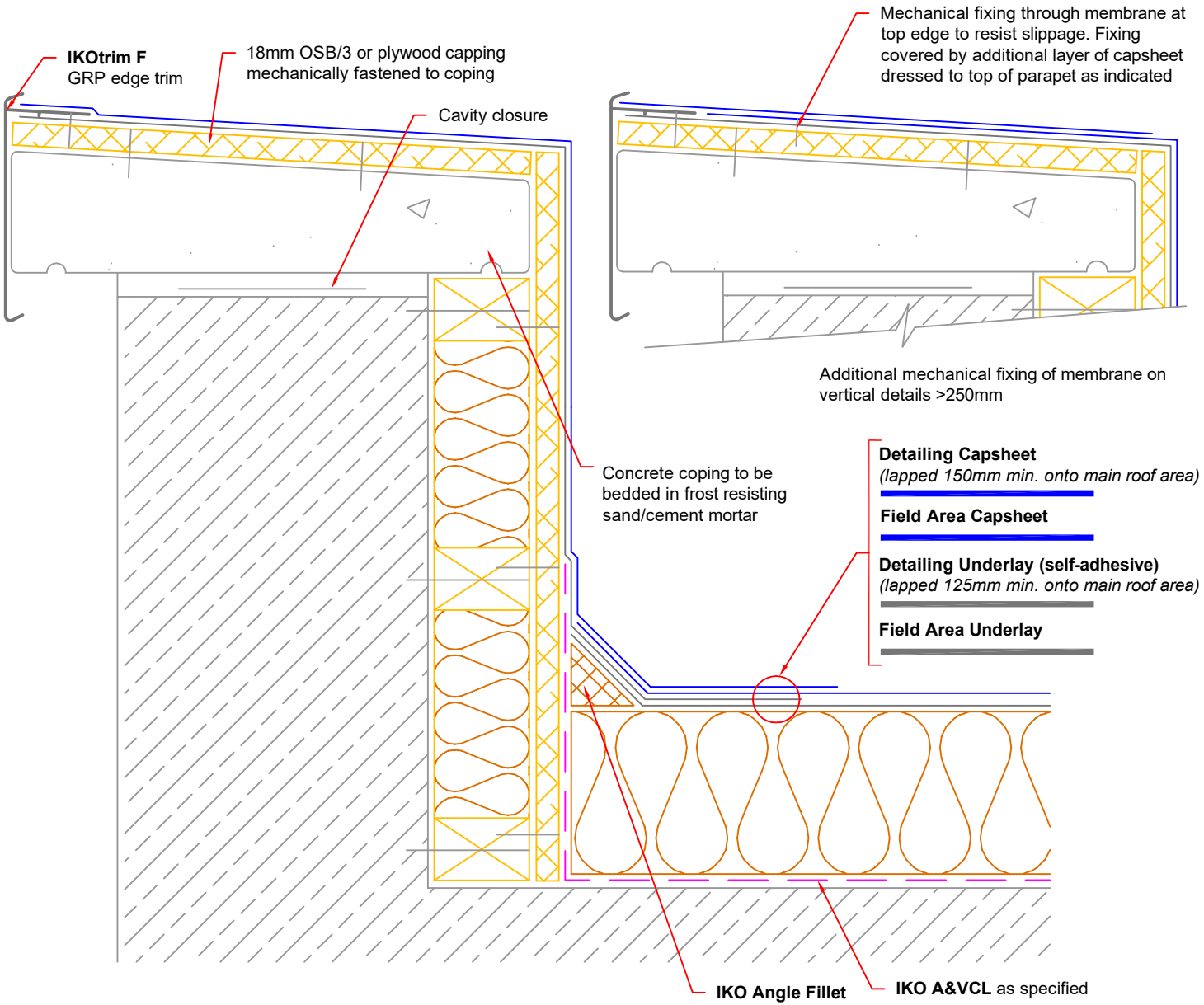

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

PARAPET - Encapsulate Copings - Batten & Panel

Remove any cavity tray from within the parapet, which directs water internally to the roof area. Care should be taken not to bridge over any DPC/Cavity tray when installing the new waterproofing system.

Ensure that the existing coping stones are securely fixed, rebedding in frost resistance sand/cement mortar as necessary. Inspect and carry out any maintenance work to the parapet as necessary.

Fix sufficient timber battens of appropriate dimensions to the vertical surface to allow application of an 18mm OSB/3 or plywood panel to the vertical face as indicated.

Apply an 18mm OSB/3 or plywood panel to the top of the coping secured by mechanical fixings.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to the full height of the parapet and onto the coping stone to link with the Underlay by 50mm minimum and fully encapsulate the insulation.

Apply the specified **IKO ENERTHERM INSULATION** of appropriate thickness to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded to the vertical and horizontal surfaces of the parapet, lapped and fully sealed onto the main area as indicated.

Apply **IKOTRIM F** edge trim, mechanically fastened to the timber capping at maximum 300mm staggered centres (150mm maximum for areas of high wind uplift) and sandwiched between waterproofing layers as indicated.

Apply Detailing Capsheet fully bonded to the vertical and horizontal surfaces of the parapet, dressed into the channel of the **IKOTRIM F** edge trim, lapped and fully sealed onto the main roof area as indicated.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm (as indicated).

Email: technical.uk@iko.com

STANDARD DETAIL

Drawing Title: PARAPET - Encapsulate Copings - Batten & Panel		**Dwg No:** A9	
Date: February 2024	**Notes/Revisions:** N/A	**Scale:** NTS	**Drawn By:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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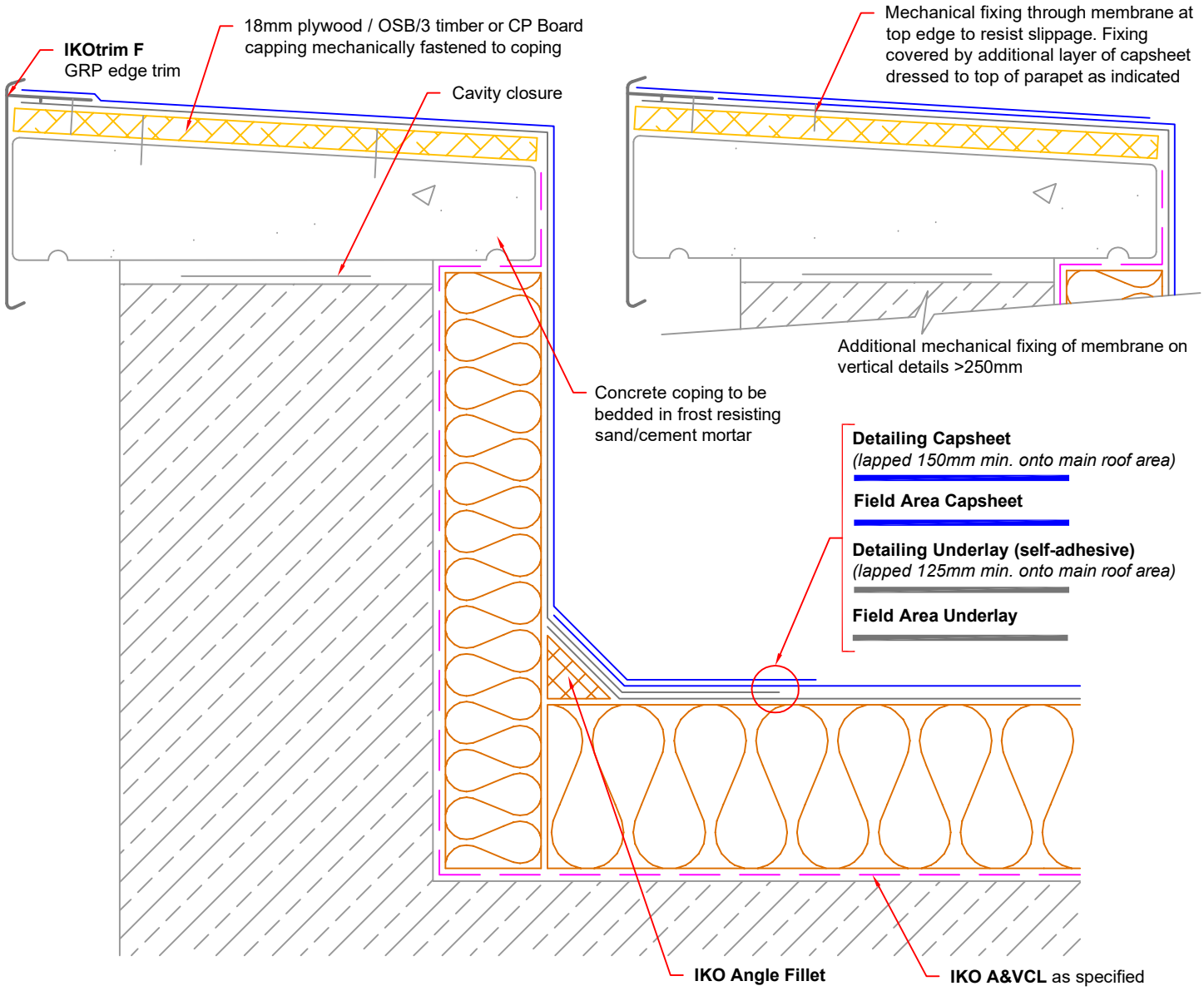

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

PARAPET - Encapsulate Copings - Insulation Infill

Remove any cavity tray from within the parapet, which directs water internally to the roof area. Care should be taken not to bridge over any DPC/Cavity tray when installing the new waterproofing system.

Ensure that the existing coping stones are securely fixed, rebedding in frost resistance sand/cement mortar as necessary. Inspect and carry out any maintenance work to the parapet as necessary.

Apply an 18mm plywood / OSB/3 timber panel or CP Board to the top of the coping secured by mechanical fixings.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to the full height of the parapet and onto the coping stone to link with the Underlay by 50mm minimum and fully encapsulate the insulation.

Apply the specified **IKO ENERTHERM INSULATION** of appropriate thickness to the Air & Vapour Control Layer, including to the full height of the parapet to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded to the vertical and horizontal surfaces of the parapet, lapped and fully sealed onto the main area as indicated.

Apply **IKOTRIM F** edge trim, mechanically fastened to the timber capping at 300mm centres maximum (150mm maximum for areas of high wind uplift) and sandwiched between waterproofing layers as indicated.

Apply Detailing Capsheet fully bonded to the vertical and horizontal surfaces of the parapet, dressed into the channel of the **IKOTRIM F** edge trim, lapped and fully sealed onto the main roof area as indicated.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as seperate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

Cement Particle (CP) Boards to be used inline with SPRA, LRWA & NFRC Guidance.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm (as indicated).

Email: technical.uk@iko.com

STANDARD DETAIL

Drawing Title: PARAPET - Encapsulate Copings - Insulation Infill		**Dwg No:** A10	
Date: February 2024	**Notes/Revisions:** N/A	**Scale:** NTS	**Drawn By:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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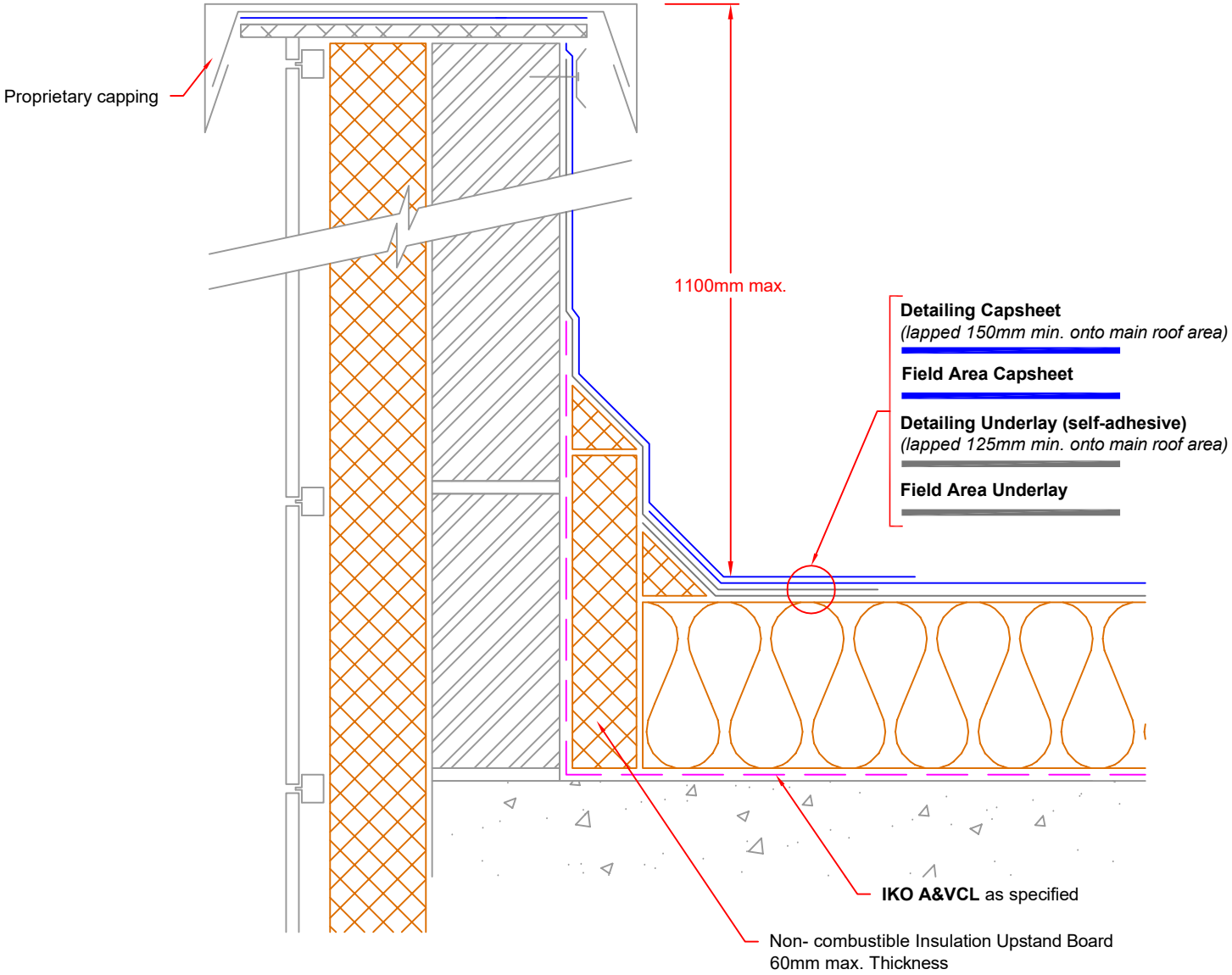

PARAPET - Proprietary Capping with External Cladding

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the non-combustible Insulation Upstand Board to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide **IKO ENERTHERM MW ANGLE FILLETS** to the junction of all horizontal & vertical abutments.

Apply the specified waterproofing detailing fully bonded to the vertical & horizontal surfaces of the parapet. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

Install/ replace proprietary capping system, in accordance with manufacturers' recommendations.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

Cement Particle (CP) Boards to be used inline with SPRA, LRWA & NFRC Guidance.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: PARAPET - Proprietary Capping with External Cladding		**DWG NO:** A11	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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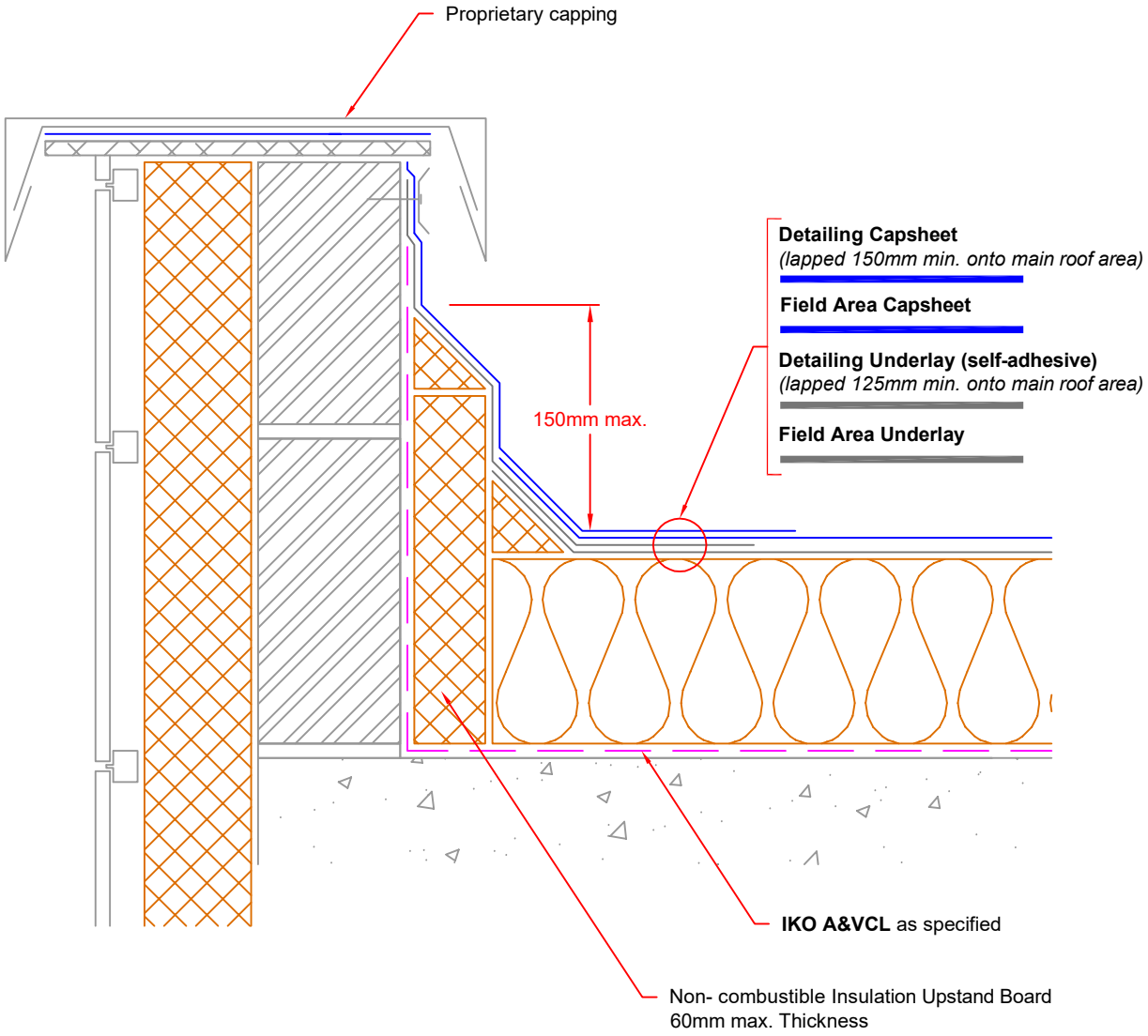

PARAPET - Low Proprietary Capping with External Cladding

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the non-combustible Insulation Upstand Board to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide **IKO ENERTHERM MW ANGLE FILLETS** to the junction of all horizontal & vertical abutments.

Apply the specified waterproofing detailing fully bonded to the vertical & horizontal surfaces of the parapet. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

Install/ replace proprietary capping system, in accordance with manufacturers' recommendations.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

Cement Particle (CP) Boards to be used inline with SPRA, LRWA & NFRC Guidance.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: PARAPET - Low Proprietary Capping with External Cladding		**DWG NO:** A12	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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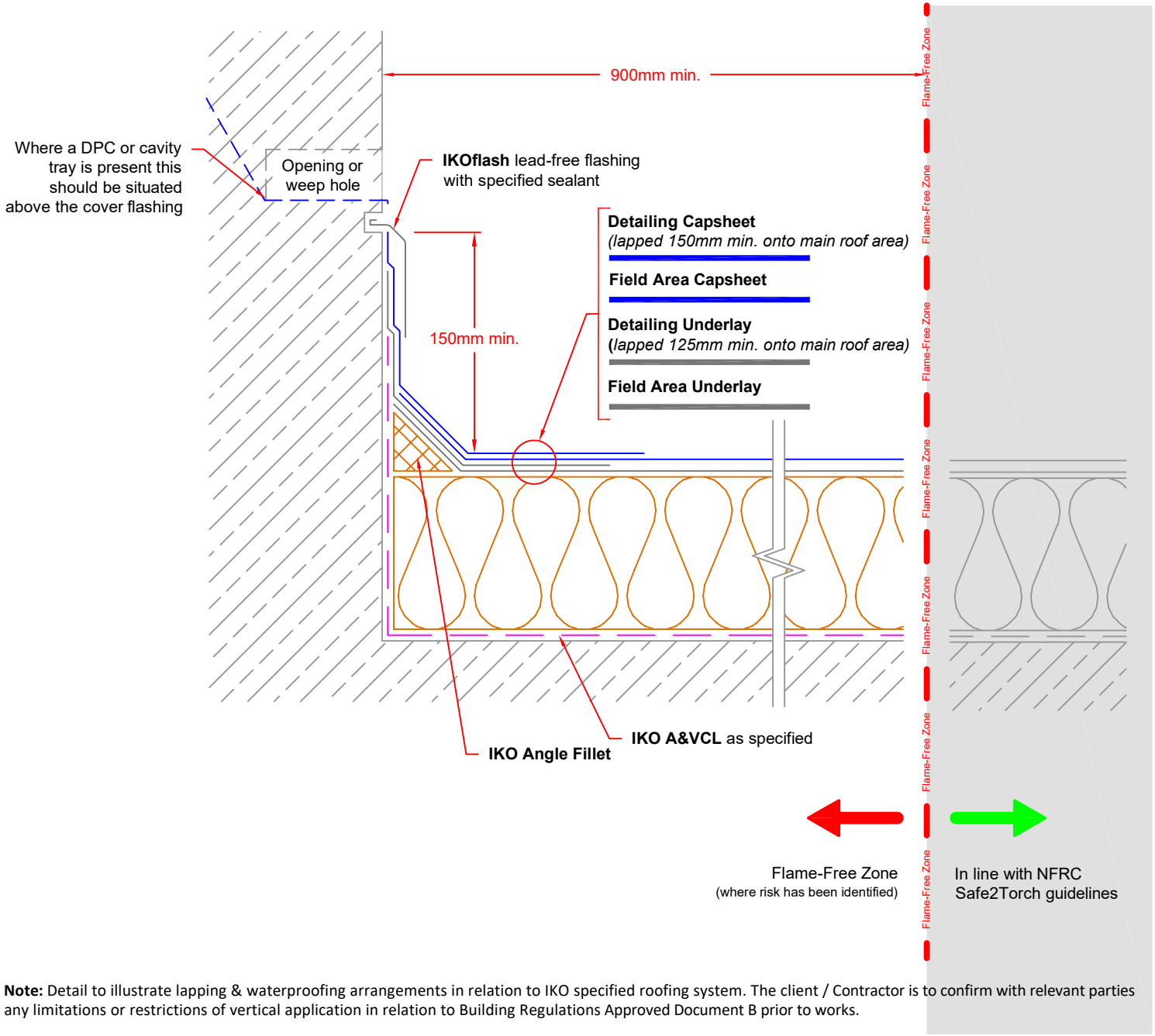

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

UPSTAND - Cover Flashing

Carefully rake/cut out the joint to a depth of not less than 25mm, at a height of 150mm minimum above the finished roof level. The chase should be below the level of any DPC or cavity tray.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded to the upstand. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

Provide **IKOFLASH LEAD FREE FLASHING** to the provided chase lengths not exceeding 1.5m ensuring end laps are not less than 100mm & that a minimum cover of 75mm is provided to the upstand.

The chase should then be pointed with a one or two part polysulphide sealant or IKO specified Sealant.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Where a risk is identified a minimum 900mm flame-free zone must be adopted as indicated. Self-adhesive membranes must be used direct to potentially combustible substrates.

Completed waterproofing upstand details should always be installed so as to achieve a height of 150mm minimum above the finished roof level.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as seperate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: UPSTAND - Cover Flashing		**DWG NO:** B1	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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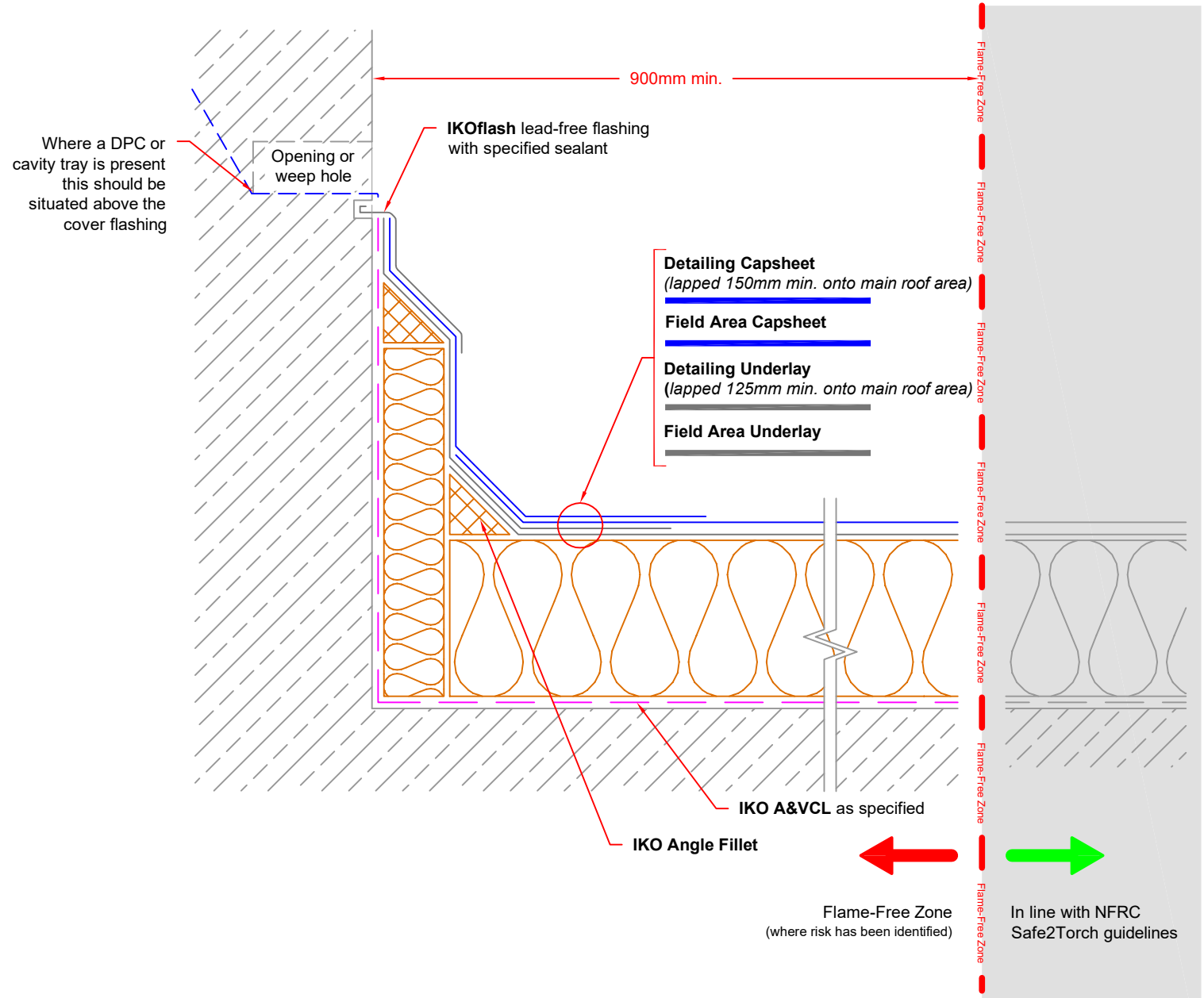

UPSTAND - Cover Flashing - Insulated Upstand

Carefully rake/cut out the joint to a depth of not less than 25mm, at a height of 150mm minimum above the finished roof level. The chase should be below the level of any DPC or cavity tray.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, including to the full height of the upstand to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded to the upstand. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

Provide **IKOFLASH LEAD FREE FLASHING** to the provided chase lengths not exceeding 1.5m ensuring end laps are not less than 100mm & that a minimum cover of 75mm is provided to the upstand.

The chase should then be pointed with a one or two part polysulphide sealant or IKO specified Sealant.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Where a risk is identified a minimum 900mm flame-free zone must be adopted as indicated. Self-adhesive membranes must be used direct to potentially combustible substrates.

Completed waterproofing upstand details should always be installed so as to achieve a height of 150mm minimum above the finished roof level.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as seperate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

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STANDARD DETAIL

DRAWING TITLE: UPSTAND - Cover Flashing - Insulated Upstand		**DWG NO:** B2		
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO	

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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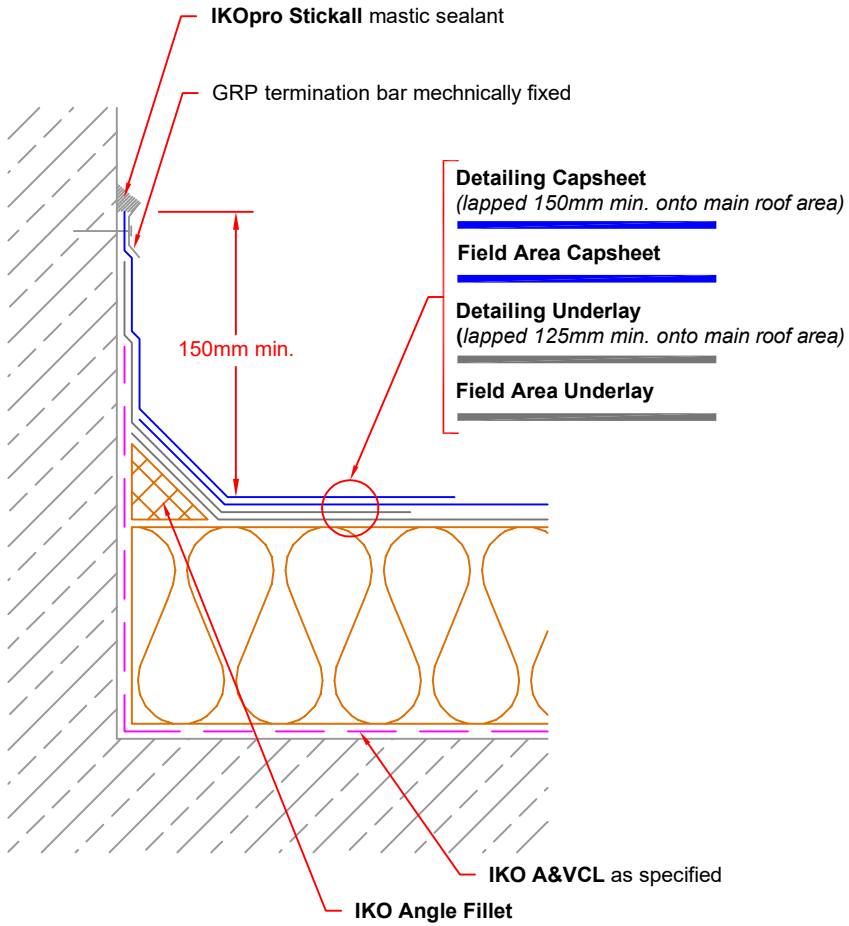

NOTE:

This detail is only appropriate for upstands where it is not possible to cut a chase for a separate cover flashing, such as reinforced concrete upstands. The mastic seal to the top edge of the termination bar must be inspected regularly as part of the regular roof maintenance schedule and renewed as required.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

UPSTAND - Termination Bar

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded to the upstand. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

Install a GRP termination bar using appropriate mechanical fixings at 300mm centres maximum through the top edge of the waterproofing as indicated. Apply a bead of **IKOpro Stickall** mastic sealant to the top edge of the termination bar to provide a seal.

NOTES:

This detail is only appropriate for upstands where it is not possible to cut a chase for a separate cover flashing, such as reinforced concrete upstands. The mastic seal to the top edge of the termination bar must be inspected regularly as part of the regular roof maintenance schedule and renewed as required.

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

Completed waterproofing upstand details should always be installed so as to achieve a height of 150mm minimum above the finished roof level.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as seperate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: UPSTAND - Termination Bar		**DWG NO:** B3	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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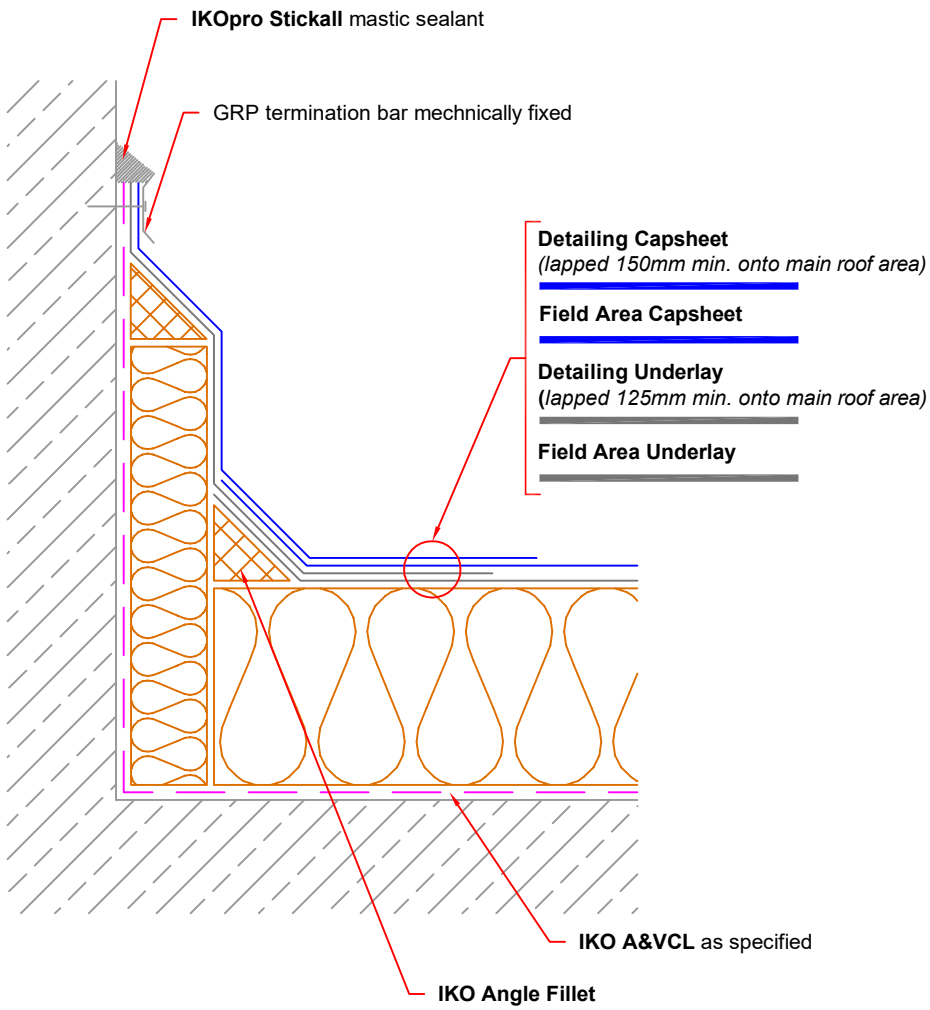

NOTE:

This detail is only appropriate for upstands where it is not possible to cut a chase for a separate cover flashing, such as reinforced concrete upstands. The mastic seal to the top edge of the termination bar must be inspected regularly as part of the regular roof maintenance schedule and renewed as required.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

UPSTAND - Termination Bar - Insulated Upstand

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, including to the full height of the upstand to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded to the upstand. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

Install a GRP termination bar using appropriate mechanical fixings at 300mm centres maximum through the top edge of the waterproofing as indicated. Apply a bead of **IKOpro Stickall** mastic sealant to the top edge of the termination bar to provide a seal.

NOTES:

This detail is only appropriate for upstands where it is not possible to cut a chase for a separate cover flashing, such as reinforced concrete upstands. The mastic seal to the top edge of the termination bar must be inspected regularly as part of the regular roof maintenance schedule and renewed as required.

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

Completed waterproofing upstand details should always be installed so as to achieve a height of 150mm minimum above the finished roof level.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as seperate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

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STANDARD DETAIL

DRAWING TITLE: UPSTAND - Termination Bar - Insulated Upstand		**DWG NO:** B4	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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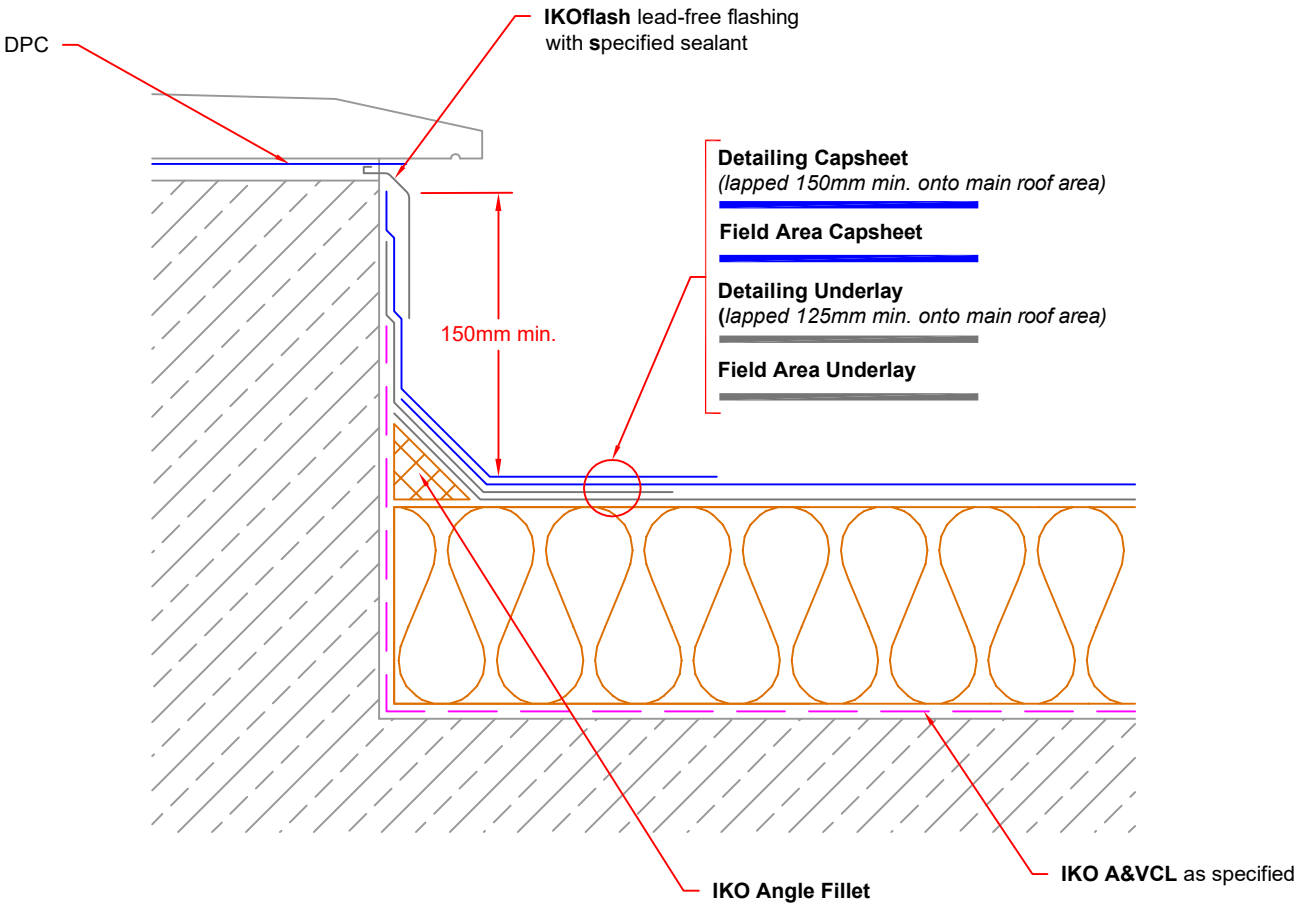

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

UPSTAND - Sill

Carefully rake/cut out the joint to a depth of not less than 25mm directly beneath the sill as necessary.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded to the upstand. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

Provide **IKOFLASH LEAD FREE FLASHING** to the provided chase lengths not exceeding 1.5m ensuring end laps are not less than 100mm & that a minimum cover of 75mm is provided to the upstand.

The chase should then be pointed with a one or two part polysulphide sealant or IKO specified Sealant.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

Completed waterproofing upstand details should always be installed so as to achieve a height of 150mm minimum above the finished roof level. Where window or door sills are situated such that an upstand height of 150mm above the finished waterproofing surface cannot be achieved, the sill should be raised sufficiently to allow for this requirement. This may necessitate the complete replacement of the frame. Rotten or defective sills must be removed & replaced with new material.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as seperate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm.

Email: technical.uk@iko.com

STANDARD DETAIL

Drawing Title: UPSTAND - Sill		**Dwg No:** B5	
Date: February 2024	**Notes/Revisions:** N/A	**Scale:** NTS	**Drawn By:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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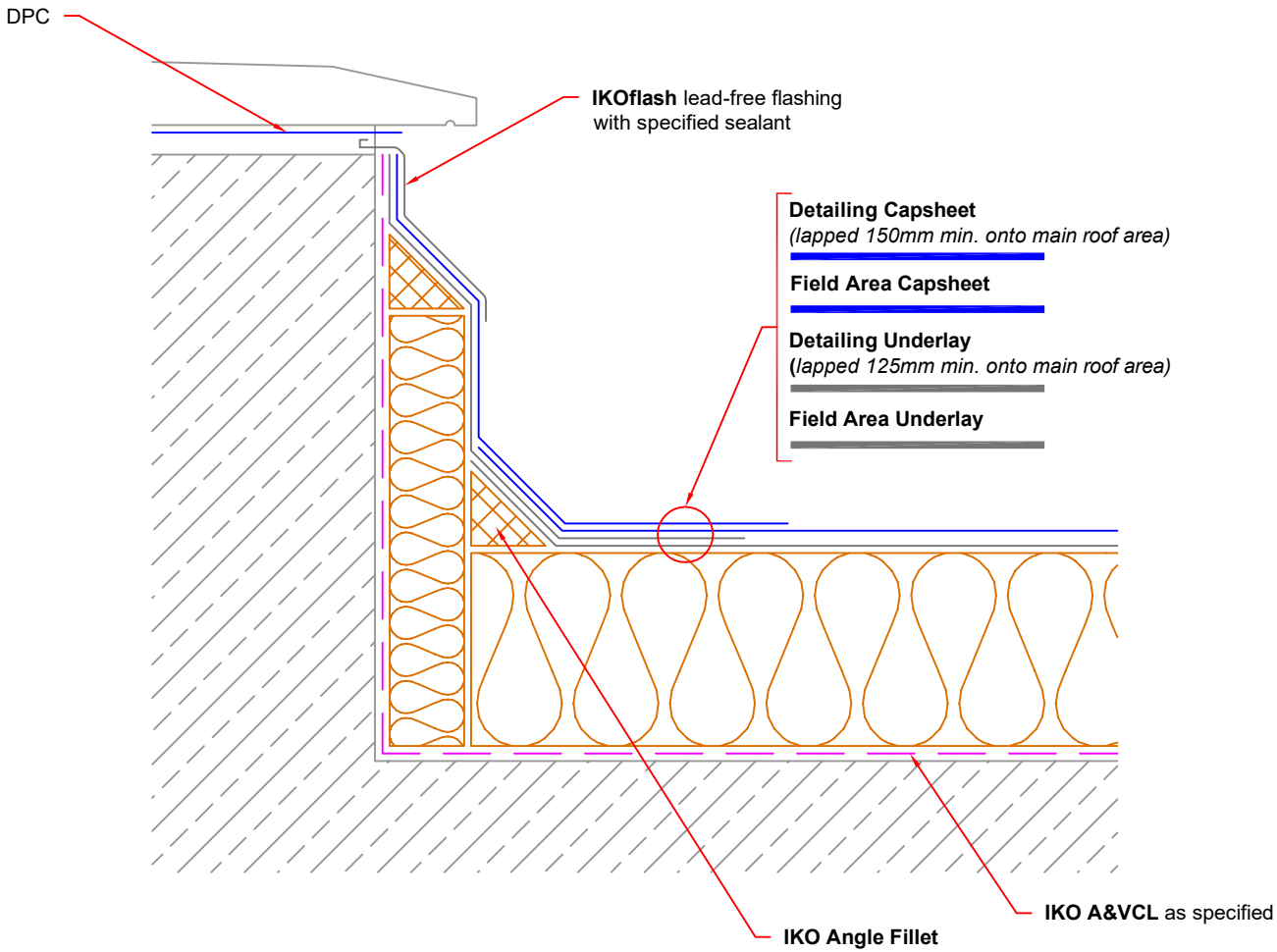

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

UPSTAND - Sill - Insulated Upstand

Carefully rake/cut out the joint to a depth of not less than 25mm directly beneath the sill as necessary.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, including to the full height of the upstand to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded to the upstand. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

Provide **IKOFLASH LEAD FREE FLASHING** to the provided chase lengths not exceeding 1.5m ensuring end laps are not less than 100mm & that a minimum cover of 75mm is provided to the upstand.

The chase should then be pointed with a one or two part polysulphide sealant or IKO specified Sealant.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

Completed waterproofing upstand details should always be installed so as to achieve a height of 150mm minimum above the finished roof level. Where window or door sills are situated such that an upstand height of 150mm above the finished waterproofing surface cannot be achieved, the sill should be raised sufficiently to allow for this requirement. This may necessitate the complete replacement of the frame. Rotten or defective sills must be removed & replaced with new material.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as seperate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm.

Email: technical.uk@iko.com

STANDARD DETAIL

Drawing Title: UPSTAND - Sill - Insulated Upstand		**Dwg No:** B6	
Date: February 2024	**Notes/Revisions:** N/A	**Scale:** NTS	**Drawn By:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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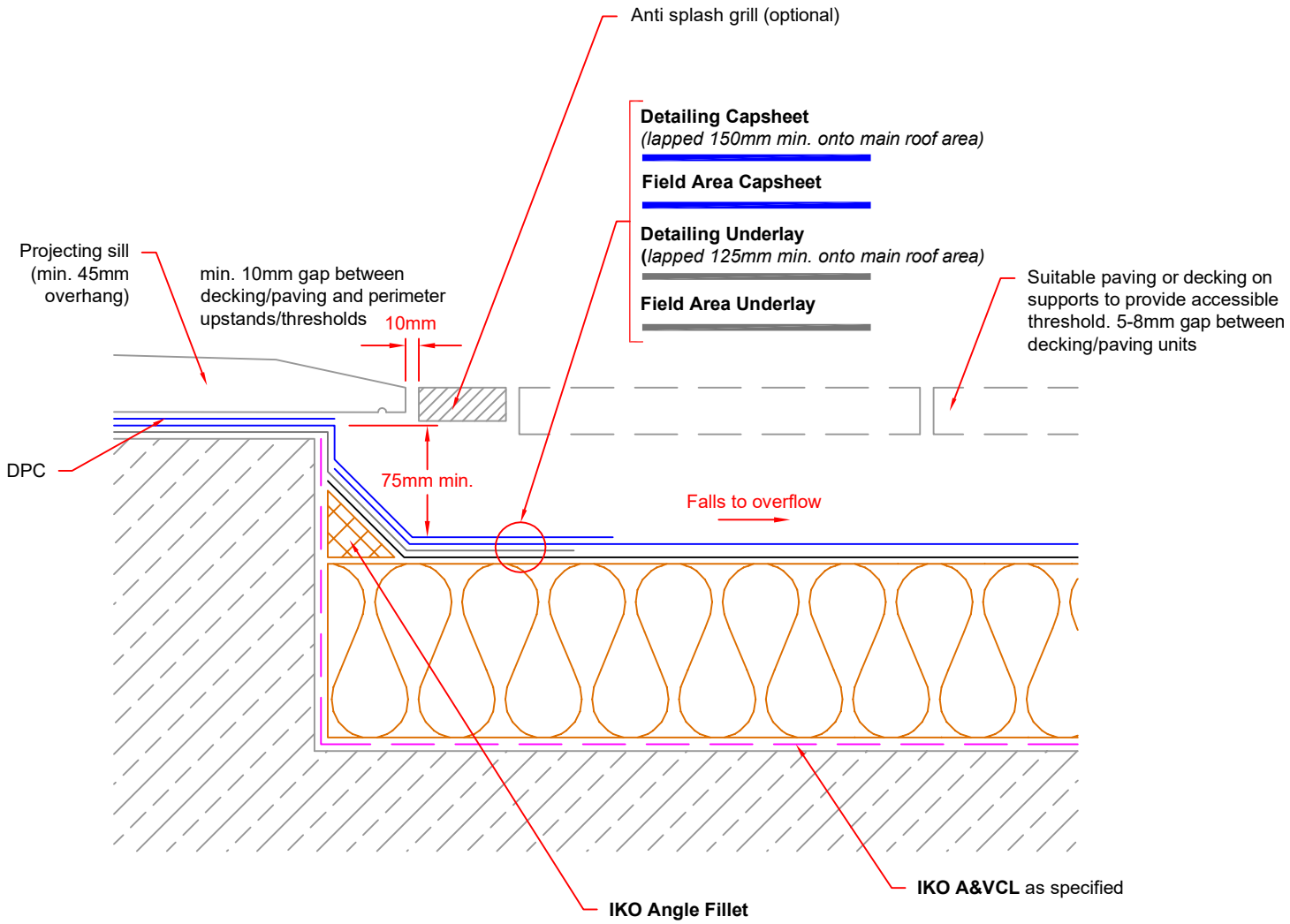

UPSTAND - Door Sill - NHBC Accessible Threshold

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded to the upstand and taking the waterproofing underneath the new sill as indicated. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

Provide suitable decking or paving on suitable supports to provide an accessible threshold, ensuring the new waterproofing is adequately protected. The supports used to raise the decking or paving must not restrict the flow of water to the drainage system. To ensure adequate drainage minimum 10mm gaps should be provided between individual units of decking or paving and the sill, perimeter walls and kerbs.

NOTES:

This detail should follow NHBC guidance for a min 75mm upstand to door sill detail. The sill detail must be at the highest point with positive falls to an outlet or drainage chute. An additional overflow must be provided at the lowest point to be a minimum of 25mm below the underside of the door sill. The sill must project a minimum of 45mm to shed rainwater away from the interface with the waterproofing layer. A minimum 150mm waterproofing upstand above the finished surface must be provided at all perimeter wall details to maintain a minimum 150mm splash zone. Decking or paving should be provided on suitable drained supports to provide an accessible threshold with min. 10mm gap between deck/paving and perimeter upstands/thresholds and 5-8mm gap between decking/paving units.

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as seperate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

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STANDARD DETAIL

DRAWING TITLE: UPSTAND - Door Sill - NHBC Accessible Threshold		**DWG NO:** B7	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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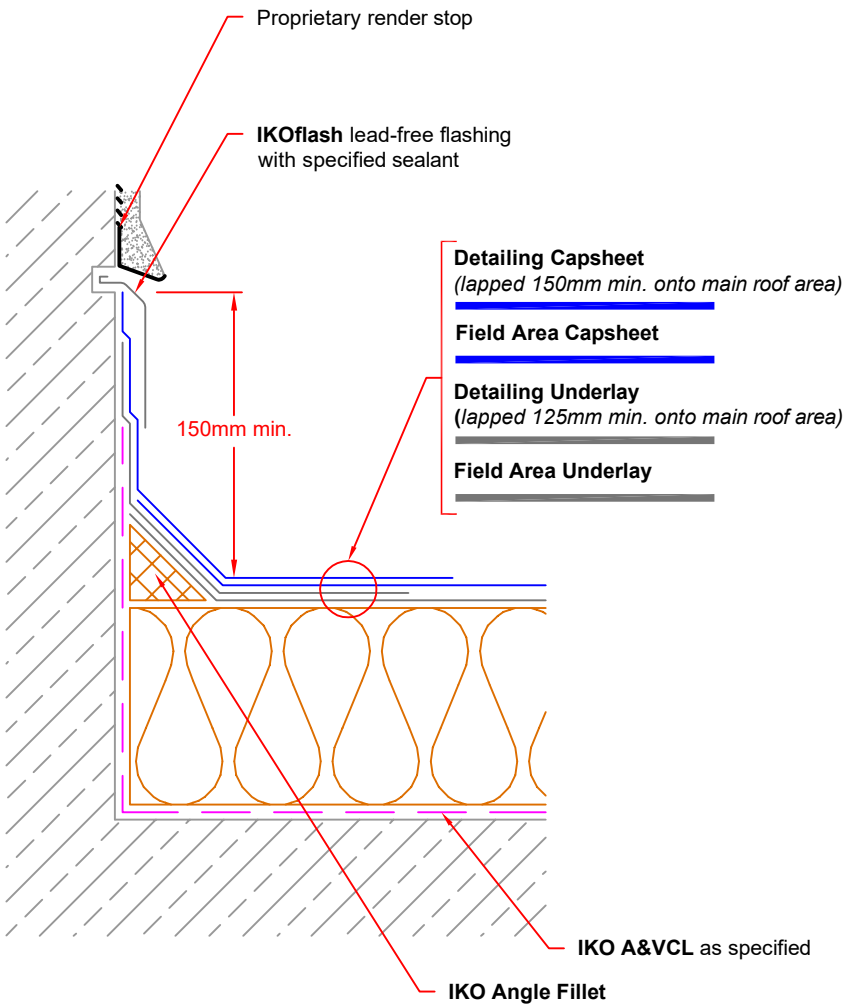

UPSTAND - Rendered

Carefully rake/cut out the joint to a depth of not less than 25mm, at a height of 150mm minimum above the finished roof level. The chase should be below the level of any DPC of cavity tray.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded to the upstand. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

Provide **IKOFLASH LEAD FREE FLASHING** to the provided chase lengths not exceeding 1.5m ensuring end laps are not less than 100mm & that a minimum cover of 75mm is provided to the upstand.

The chase should then be pointed with a one or two part polysulphide sealant or IKO specified Sealant.

On completion of detailing works apply a proprietary render stop being mechanically fixed to the upstand above the flashing. Apply cement render with polymer additive to the render stop being keyed into the existing render.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

Completed waterproofing upstand details should always be installed so as to achieve a height of 150mm minimum above the finished roof level.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as seperate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

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STANDARD DETAIL

DRAWING TITLE: UPSTAND - Rendered		**DWG NO:** B8	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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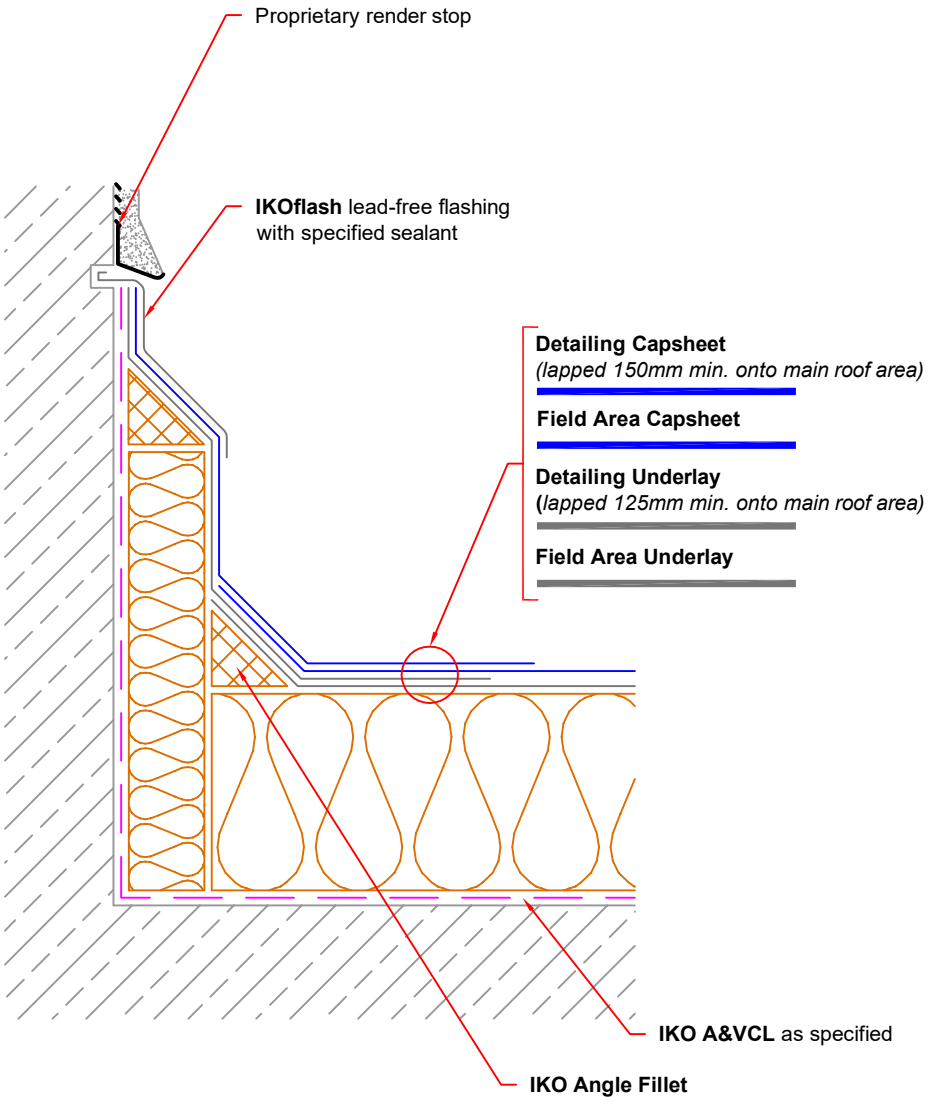

UPSTAND - Rendered - Insulated Upstand

Carefully rake/cut out the joint to a depth of not less than 25mm, at a height of 150mm minimum above the finished roof level. The chase should be below the level of any DPC of cavity tray.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, including to the full height of the upstand to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded to the upstand. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

Provide **IKOFLASH LEAD FREE FLASHING** to the provided chase lengths not exceeding 1.5m ensuring end laps are not less than 100mm & that a minimum cover of 75mm is provided to the upstand.

The chase should then be pointed with a one or two part polysulphide sealant or IKO specified Sealant.

On completion of detailing works apply a proprietary render stop being mechanically fixed to the upstand above the flashing. Apply cement render with polymer additive to the render stop being keyed into the existing render.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

Completed waterproofing upstand details should always be installed so as to achieve a height of 150mm minimum above the finished roof level.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as seperate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

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STANDARD DETAIL

Drawing Title: UPSTAND - Rendered - Insulated Upstand		**Dwg No:** B9	
Date: February 2024	**Notes/Revisions:** N/A	**Scale:** NTS	**Drawn By:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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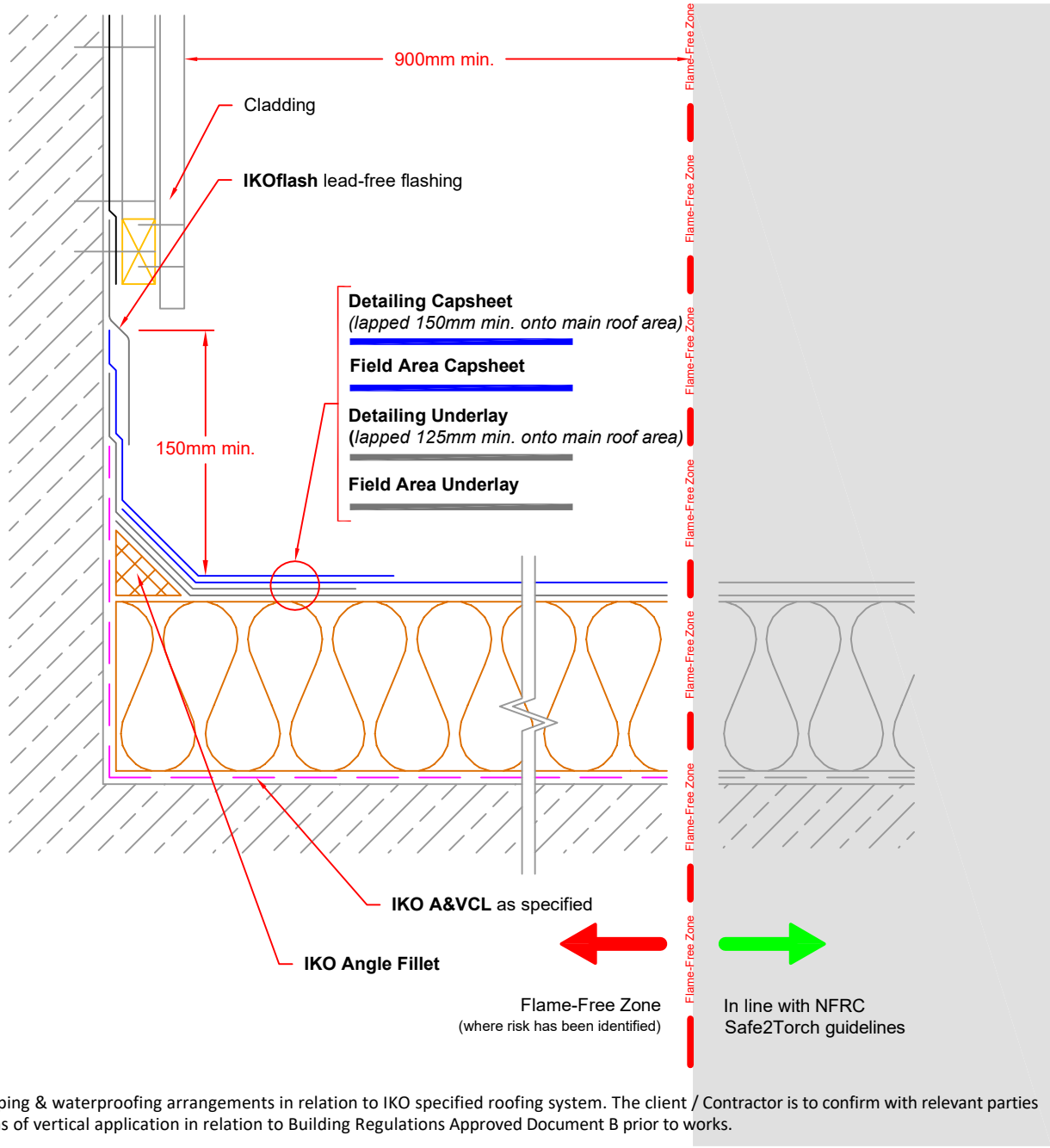

UPSTAND - Cladding

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded to the upstand. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

Ensure that any existing vertical breather or waterproof membrane behind the cladding is correctly redressed & undamaged. Any damaged membrane should be replaced with new to match the existing.

Re-fix cladding panels on completion of the detailing works ensuring that the cladding provides a minimum cover of 75mm to the upstand. Wherever this is not the case an additional flashing piece must be provided using **IKOFLASH LEAD FREE FLASHING** secured behind the cladding as indicated.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Where a risk is identified a minimum 900mm flame-free zone must be adopted as indicated. Self-adhesive membranes must be used direct to potentially combustible substrates.

Completed waterproofing upstand details should always be installed so as to achieve a height of 150mm minimum above the finished roof level.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as seperate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

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STANDARD DETAIL

DRAWING TITLE: UPSTAND - Cladding			**DWG NO:** B10	
DATE: February 2024	**NOTES/REVISIONS:** N/A		**SCALE:** NTS	**DRAWN BY:** IKO

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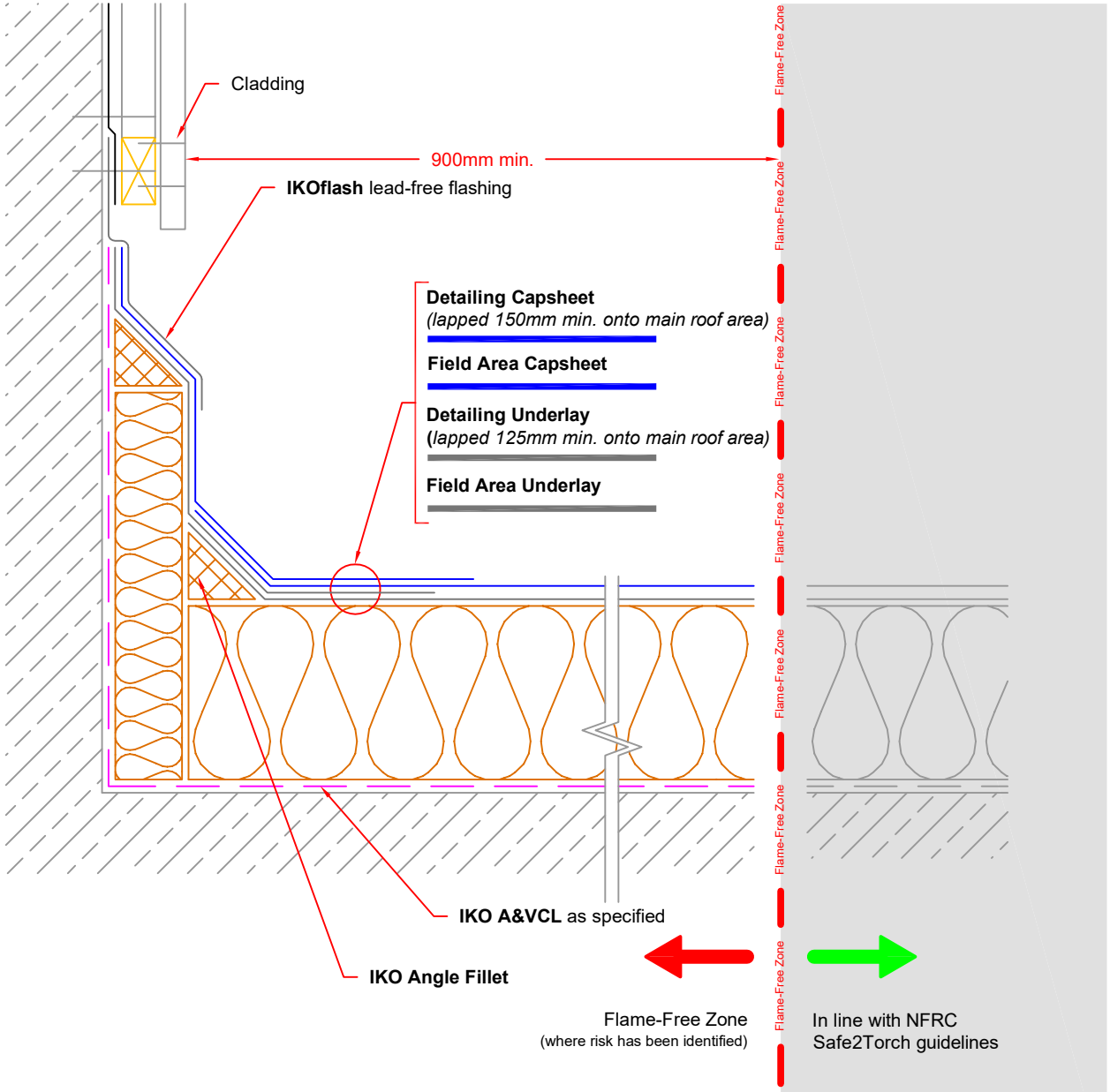

UPSTAND - Cladding - Insulated Upstand

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, including to the full height of the upstand to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded to the upstand. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

Ensure that any existing vertical breather or waterproof membrane behind the cladding is correctly redressed & undamaged. Any damaged membrane should be replaced with new to match the existing.

Re-fix cladding panels on completion of the detailing works ensuring that the cladding provides a minimum cover of 75mm to the upstand. Wherever this is not the case an additional flashing piece must be provided using **IKOFLASH LEAD FREE FLASHING** secured behind the cladding as indicated.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Where a risk is identified a minimum 900mm flame-free zone must be adopted as indicated. Self-adhesive membranes must be used direct to potentially combustible substrates.

Completed waterproofing upstand details should always be installed so as to achieve a height of 150mm minimum above the finished roof level.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as seperate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

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STANDARD DETAIL

DRAWING TITLE: UPSTAND - Cladding - Insulated Upstand		**DWG NO:** B11	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

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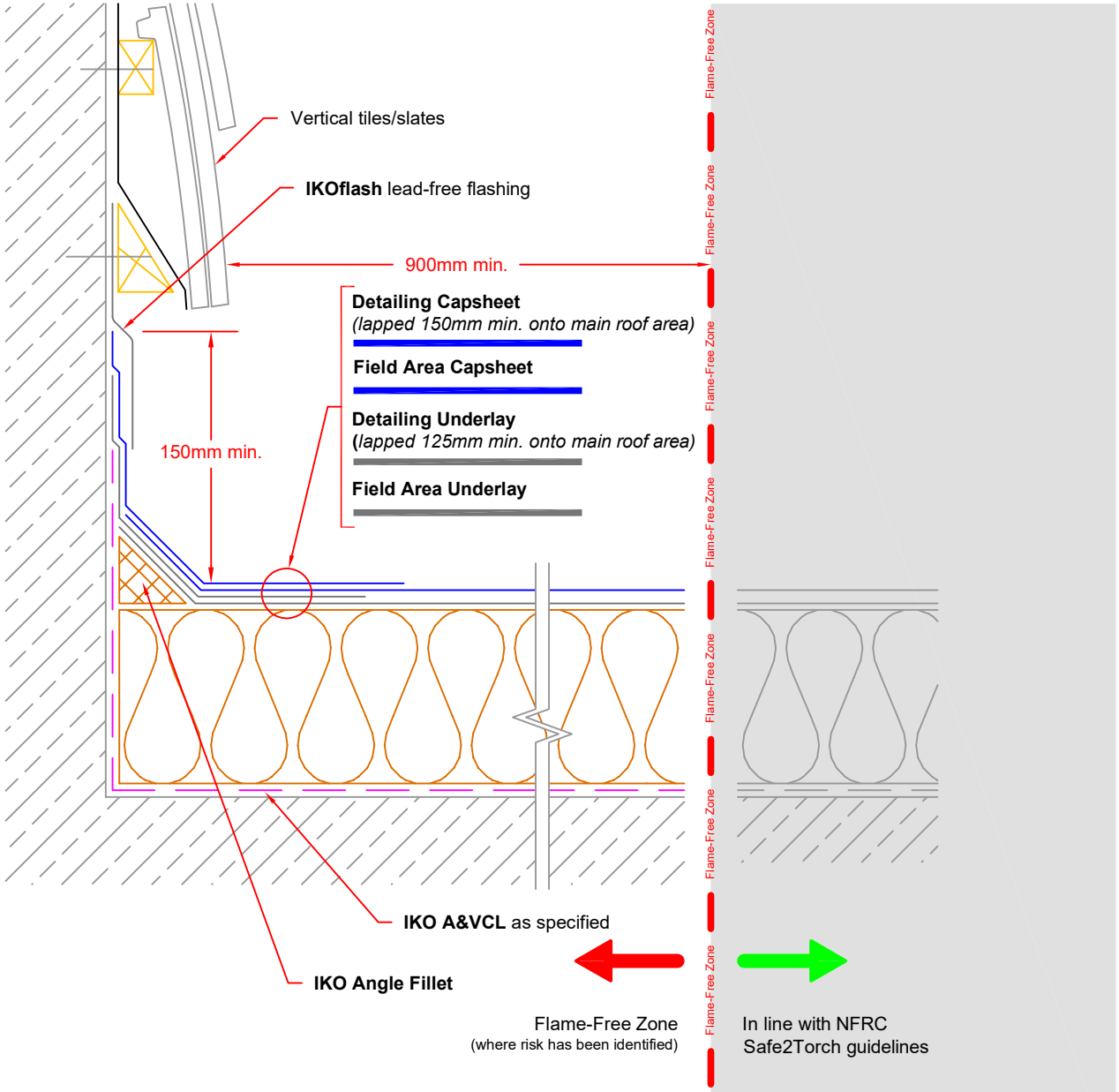

UPSTAND - Vertical Slates/Tiles

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded to the upstand. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

Ensure that any existing vertical breather or waterproof membrane behind the tiles/slates is correctly dressed & undamaged; any damaged membrane should be replaced with new to match the existing.

Re-fix the battens & tiles/slates, providing an additional flashing using **IKOFLASH LEAD FREE FLASHING** secured behind the tiles/slates as indicated to provide a minimum 75mm cover to the new waterproofing.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Where a risk is identified a minimum 900mm flame-free zone must be adopted as indicated. Self-adhesive membranes must be used direct to potentially combustible substrates.

Completed waterproofing upstand details should always be installed so as to achieve a height of 150mm minimum above the finished roof level.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as seperate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: UPSTAND - Vertical Slates/Tiles		**DWG NO:** B12	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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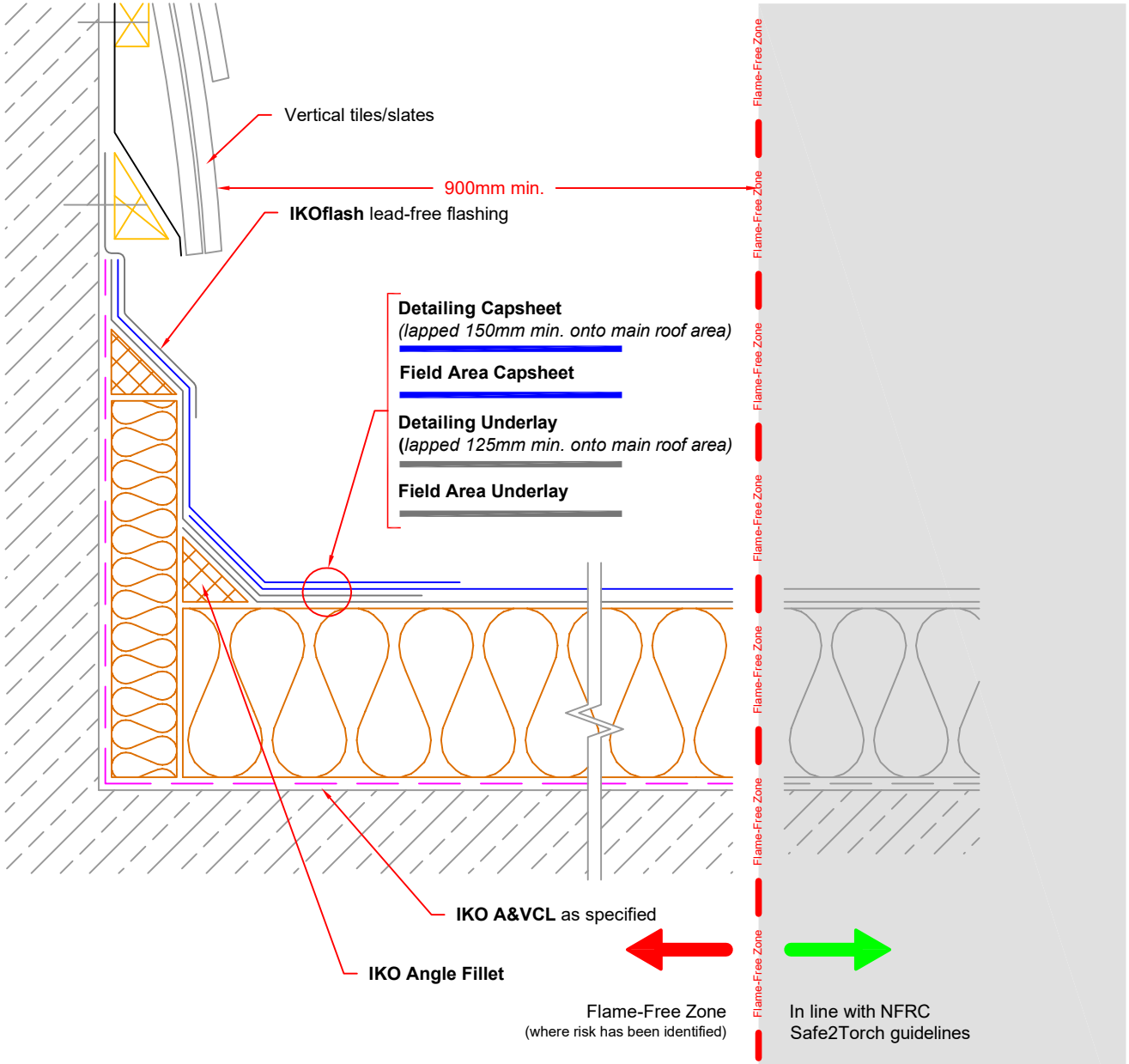

UPSTAND - Vertical Slates/Tiles - Insulated Upstand

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, including to the full height of the upstand to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded to the upstand. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

Ensure that any existing vertical breather or waterproof membrane behind the tiles/slates is correctly dressed & undamaged; any damaged membrane should be replaced with new to match the existing.

Re-fix the battens & tiles/slates, providing an additional flashing using **IKOFLASH LEAD FREE FLASHING** secured behind the tiles/slates as indicated to provide a minimum 75mm cover to the new waterproofing.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Where a risk is identified a minimum 900mm flame-free zone must be adopted as indicated. Self-adhesive membranes must be used direct to potentially combustible substrates.

Completed waterproofing upstand details should always be installed so as to achieve a height of 150mm minimum above the finished roof level.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as seperate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

Email: technical.uk@iko.com

STANDARD DETAIL

Drawing Title: UPSTAND - Vertical Slates/Tiles - Insulated Upstand		**Dwg No:** B13	
Date: February 2024	**Notes/Revisions:** N/A	**Scale:** NTS	**Drawn By:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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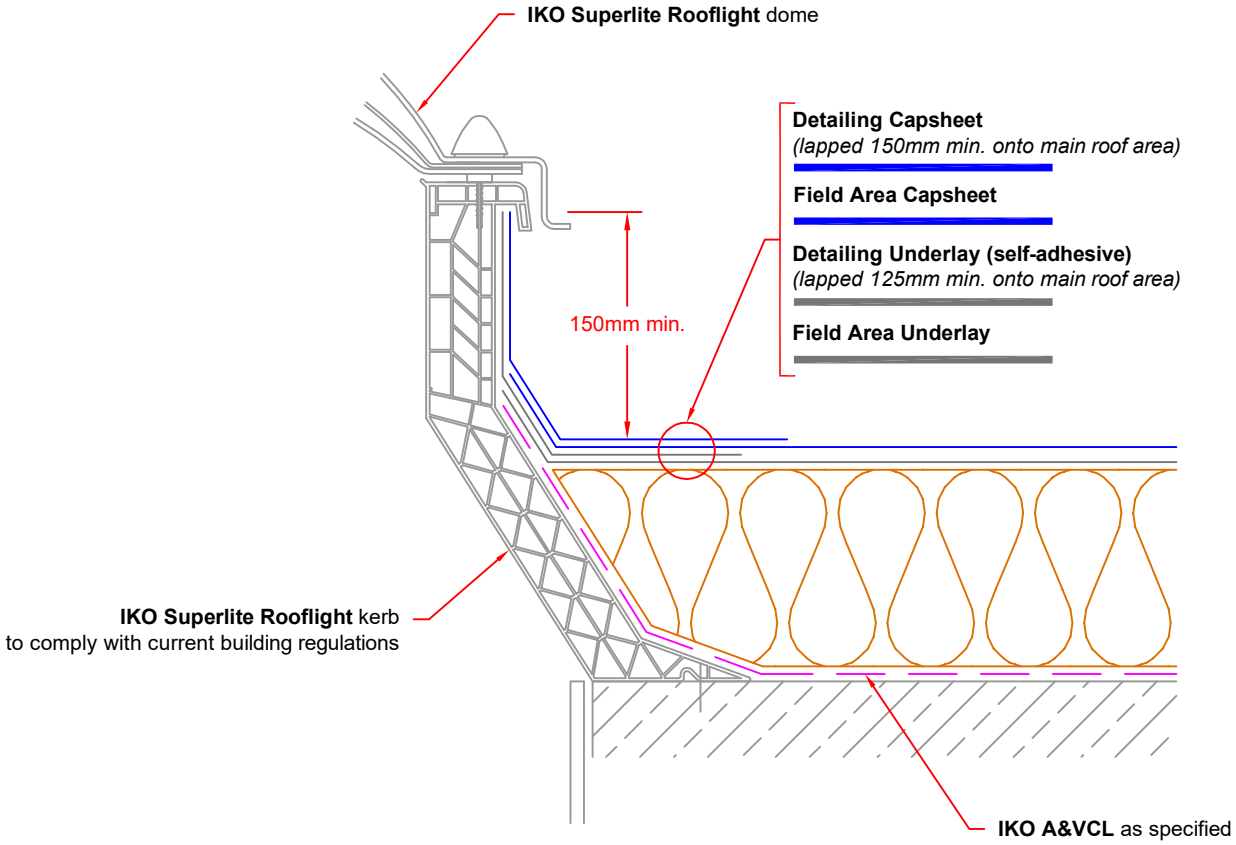

ROOFLIGHT - New Proprietary Kerb - IKO Superlite

Existing rooflights should be assumed to be fragile & all appropriate measures taken to prevent people falling through them. The Contractor for the works is required to provide a Risk Assessment & Method Statement for the safe working of personnel around rooflights.

Remove the existing rooflight cover unit & kerb & dispose off site. Any exposed openings **must** be protected against objects/personnel falling through.

Apply the specified new **IKO SUPERLITE ROOFLIGHT** kerb being mechanically fixed to the deck/timber kerb in strict accordance with the manufacturers recommendations.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Apply the specified waterproofing detailing fully bonded to the rooflight kerb. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

The **IKO SUPERLITE ROOFLIGHT** assembly includes a unique termination detail to ensure the waterproofing is fully fixed & protected.

Fix **IKO SUPERLIGHT ROOFLIGHT** dome in accordance with manufacturers guidance.

Allowance should be made for making good any interior decoration, where the unit has been raised to accommodate the detail.

NOTES:
Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

Completed waterproofing upstand details should always be installed so as to achieve a height of 150mm minimum above the finished roof level.

All waterproofing detailing must be undertaken as two layers and as seperate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: ROOFLIGHT - New Proprietary Kerb - IKO Superlite		**DWG NO:** B14	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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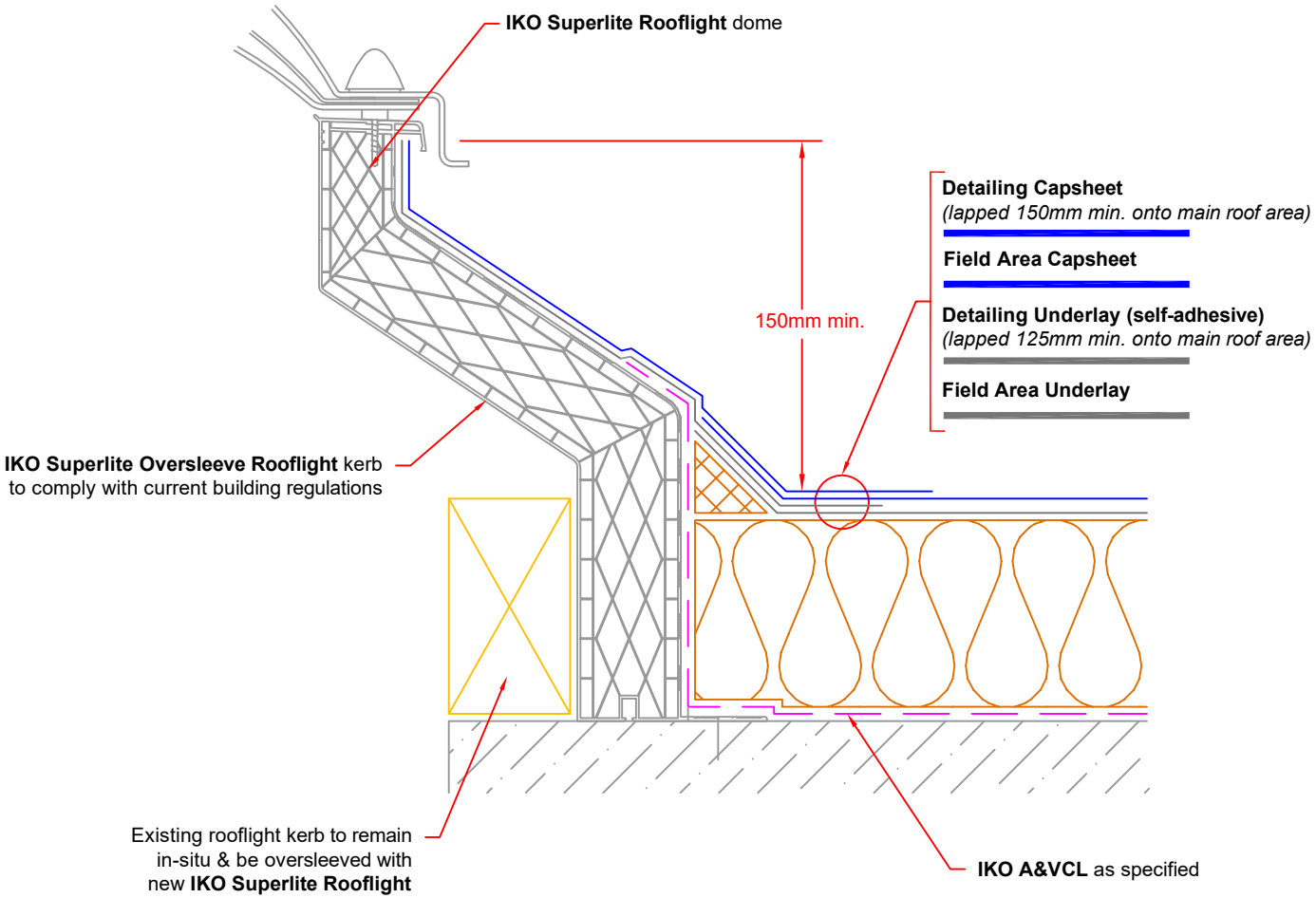

ROOFLIGHT - New Proprietary Kerb - IKO Superlite Oversleeve Kerb

Existing rooflights should be assumed to be fragile & all appropriate measures taken to prevent people falling through them. The Contractor for the works is required to provide a Risk Assessment & Method Statement for the safe working of personnel around rooflights.

Remove the existing rooflight cover unit & dispose off site. The existing rooflight kerb is to remain in situ and be oversleeved with the new unit. Any exposed openings **must** be protected against objects/personnel falling through.

Apply the specified new **IKO SUPERLITE OVERSLEEVE ROOFLIGHT** kerb being mechanically fixed to the deck/timber kerb in strict accordance with the manufacturers recommendations, sized to oversleeve the existing kerb which is to remain in-situ.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments.

Apply the specified waterproofing detailing fully bonded to the rooflight kerb. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

The **IKO SUPERLITE ROOFLIGHT** assembly includes a unique termination detail to ensure the waterproofing is fully fixed & protected.

Fix **IKO SUPERLIGHT ROOFLIGHT** dome in accordance with manufacturers guidance.

Allowance should be made for making good any interior decoration, where the unit has been raised to accommodate the detail.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

Completed waterproofing upstand details should always be installed so as to achieve a height of 150mm minimum above the finished roof level.

All waterproofing detailing must be undertaken as two layers and as seperate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Email: technical.uk@iko.com

STANDARD DETAIL

Drawing Title: ROOFLIGHT - New Proprietary Kerb - IKO Superlite Oversleeve Kerb		**Dwg No:** B15	
Date: February 2024	**Notes/Revisions:** N/A	**Scale:** NTS	**Drawn By:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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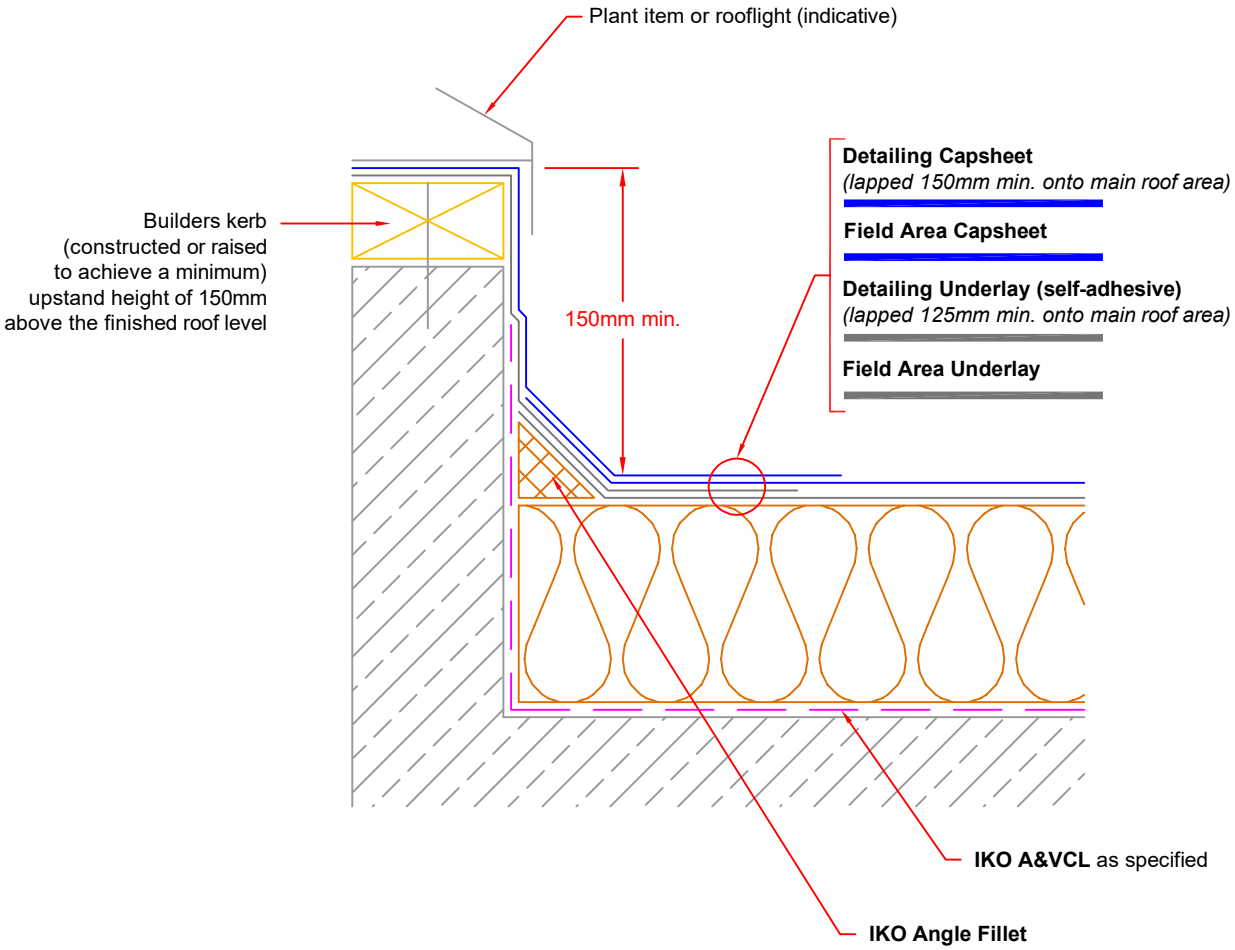

BUILT UP KERB

Remove the existing cover unit or plant item & set aside for re-fixing. (Where an existing item cannot be removed to enable the waterproofing detail to be formed as specified, this may not be covered within the guarantee).

Any exposed openings must be protected against objects/personnel falling through.

Raise the existing built kerb as necessary with timber sections of appropriate dimensions to achieve a minimum 150mm upstand height to the waterproofing detail above the finished roof level.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded to the vertical and horizontal surfaces of the kerb. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

Reinstall the plant item or rooflight onto the newly waterproofed kerb.

Allowance should be made for making good any interior decoration, where the unit has been raised to accommodate the waterproofing.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

Completed waterproofing upstand details should always be installed so as to achieve a height of 150mm minimum above the finished roof level.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as seperate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm.

Email: technical.uk@iko.com

STANDARD DETAIL

Drawing Title: BUILT UP KERB		**Dwg No:** B16	
Date: February 2024	**Notes/Revisions:** N/A	**Scale:** NTS	**Drawn By:** IKO

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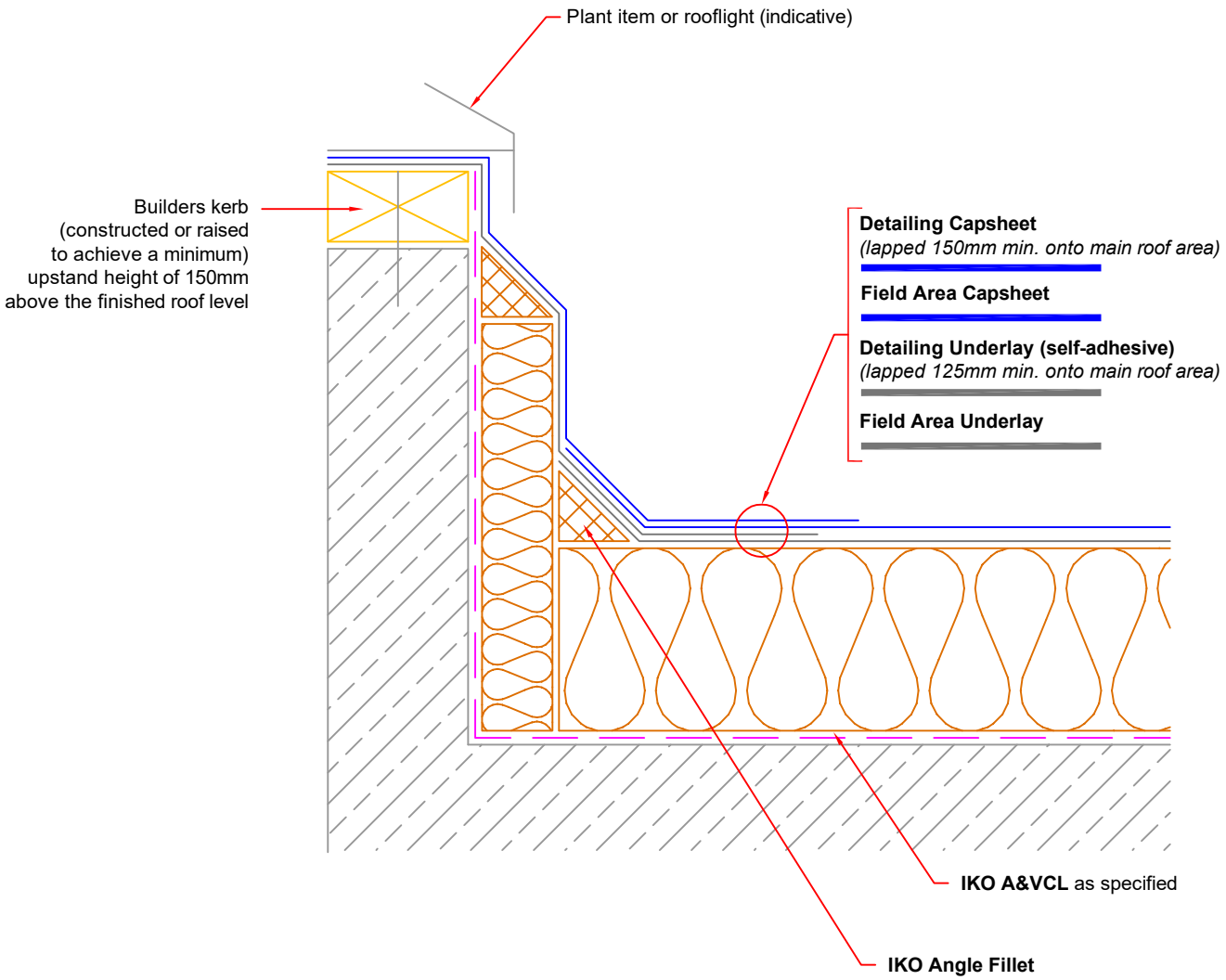

BUILT UP KERB - Insulated Upstand

Remove the existing cover unit or plant item & set aside for re-fixing. (Where an existing item cannot be removed to enable the waterproofing detail to be formed as specified, this may not be covered within the guarantee).

Any exposed openings must be protected against objects/personnel falling through.

Raise the existing built kerb as necessary with timber sections of appropriate dimensions to achieve a minimum 150mm upstand height to the waterproofing detail above the finished roof level.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, including to the full height of the upstand to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded to the upstand. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

Reinstall the plant item or rooflight onto the newly waterproofed kerb.

Allowance should be made for making good any interior decoration, where the unit has been raised to accommodate the waterproofing.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

Completed waterproofing upstand details should always be installed so as to achieve a height of 150mm minimum above the finished roof level.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as seperate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm.

Email: technical.uk@iko.com

STANDARD DETAIL

Drawing Title: BUILT UP KERB - Insulated Upstand		**Dwg No:** B17	
Date: February 2024	**Notes/Revisions:** N/A	**Scale:** NTS	**Drawn By:** IKO

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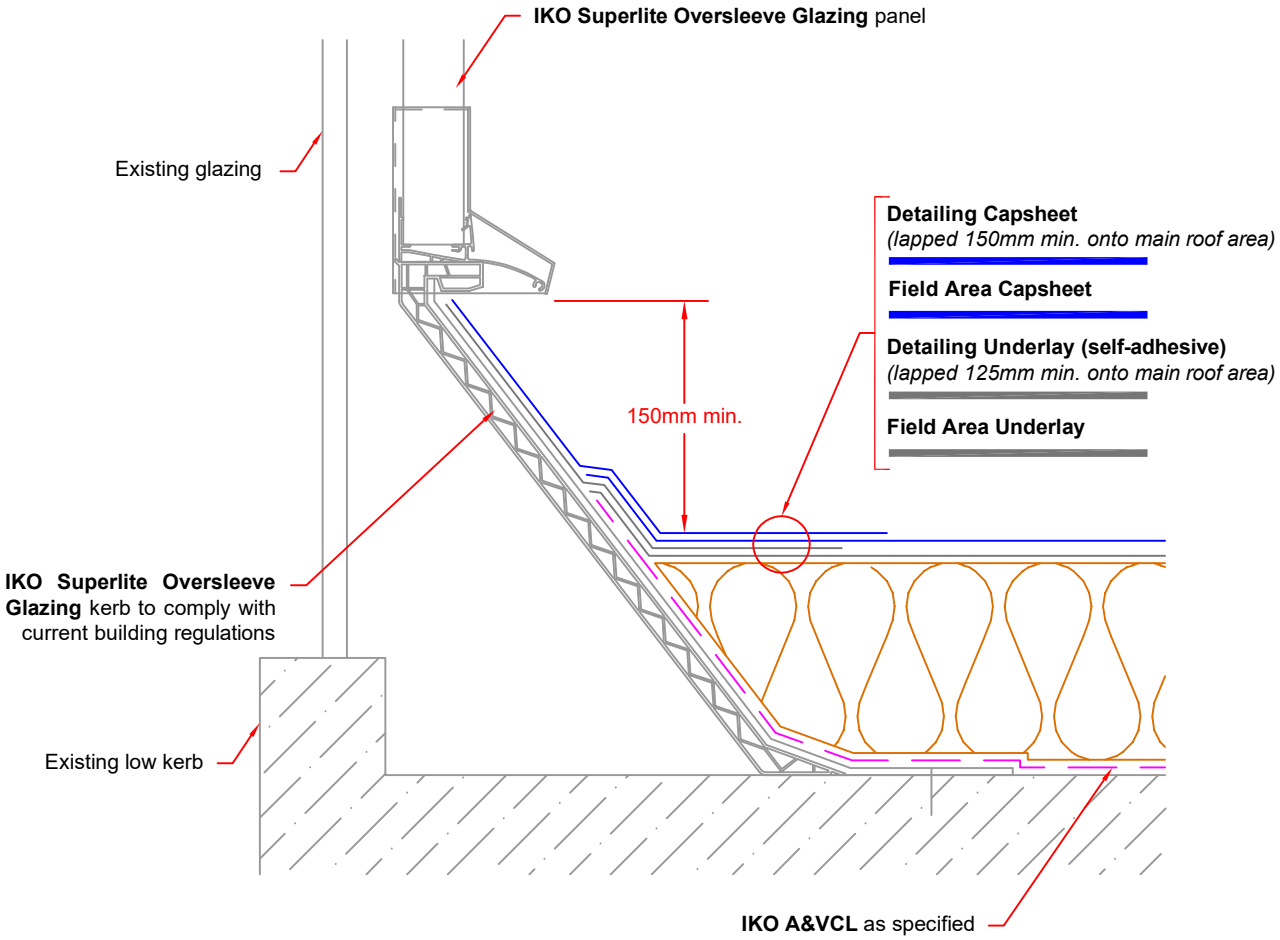

OVERSLEEVE GLAZING KERB - IKO Superlite Oversleeve Glazing

Apply the specified new **IKO SUPERLITE OVERSLEEVE GLAZING** kerb being mechanically fixed to the deck in strict accordance with the manufacturers recommendations.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Apply the specified waterproofing detailing fully bonded to the new kerb. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

The **IKO SUPERLITE OVERSLEEVE GLAZING** kerb assembly includes a unique termination detail to ensure the waterproofing is fully fixed & protected.

Fix the **IKO SUPERLITE OVERSLEEVE GLAZING** panel in accordance with manufacturers guidance.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

Completed waterproofing upstand details should always be installed so as to achieve a height of 150mm minimum above the finished roof level.

All waterproofing detailing must be undertaken as two layers and as seperate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: OVERSLEEVE GLAZING KERB - IKO Superlite Oversleeve Glazing

DWG NO: B18

DATE: February 2024

NOTES/REVISIONS: N/A

SCALE: NTS

DRAWN BY: IKO

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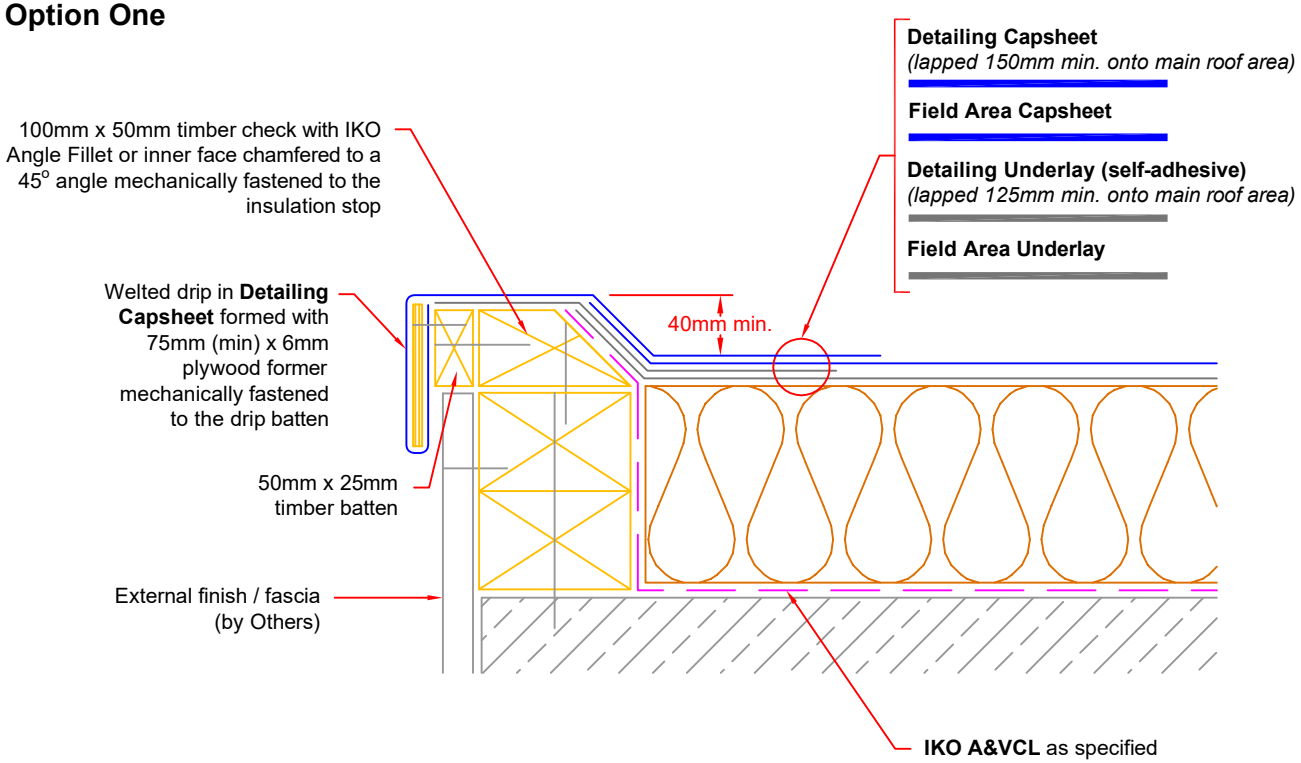
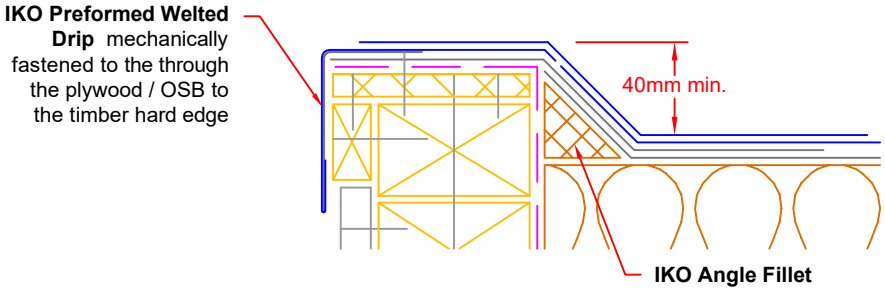
Option One



Option Two



CHECK KERB - Timber - Welted Drip

Raise open perimeter check kerb, using treated timber, 100mm wide, to give an upstand height of 40mm above the surface of the completed waterproofing and provide an insulation stop. Perimeter timbers must be fixed at maximum 300mm centres (150mm maximum for areas of high wind uplift) using suitable fixings into a structurally sound substrate.The top of the kerb must have positive falls towards the roof, negative falls are not acceptable.

Inner face of kerb to be chamfered to a 45° angle, using either profiled timber or tilt fillets. Alternatively 50mm x 50mm **IKO ANGLE FILLETS** can be used as indicated.

When raising perimeter check kerbs, consideration must be given to the external appearance of the building & the potential requirement for fascia boards or trims with increased depth & or additional cladding sections to be used. It is suggested that guidance is sought from the client & allowance made for this aspect prior to commencing the contract.

Fix 25mm x 50mm treated timber batten to the outer edge to form drip batten.

If IKO Preformed Welted Drip to be installed then an additional layer of minimum 18mm OSB /Plywood should be mechanically fixed to both the timber hard edge & fixing batten, to give a suitable substrate for the Preformed Drip to be installed

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Apply the specified waterproofing detailing fully bonded to the detail, lapped and fully sealed onto the main area as indicated.

Install felt drips using 75mm (minimum) x 6mm plywood drip former, mechanically fastened to the treated welted drip batten. Form welted drip in the specified Capsheet to outer edge, lapped and fully sealed onto the main area as indicated. Alternatively Secure IKO preformed drip, in between the waterproofing underlay and Capsheet, mechanically fastened lapped and fully sealed onto the main area as indicated.

NOTES:
Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: CHECK KERB - Timber - Welted Drip		**DWG NO:** C1	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

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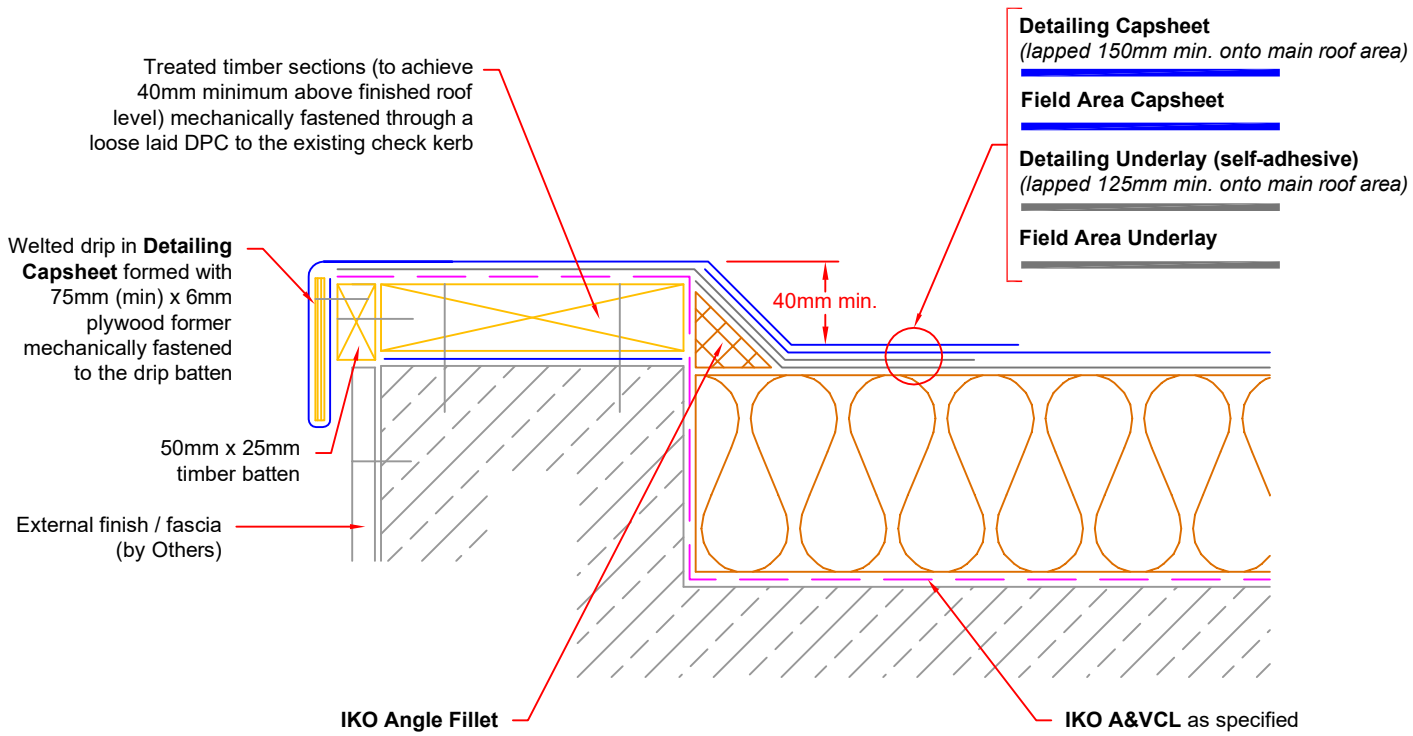
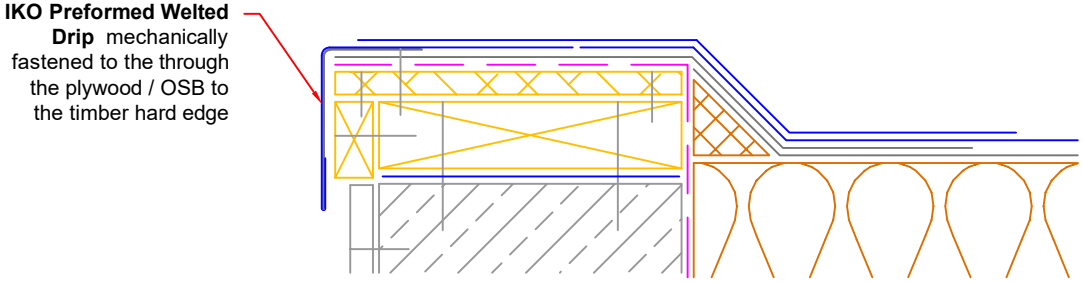
Option One



Option Two



CHECK KERB - Concrete - Welted Drip

Raise open perimeter check kerb, using treated timber, to give an upstand height of 40mm above the surface of the completed waterproofing and provide an insulation stop. Perimeter timbers must be fixed at maximum 300mm centres (150mm maximum for areas of high wind uplift) using suitable fixings into a structurally sound substrate. The top of the kerb must have positive falls towards the roof, negative falls are not acceptable.

When raising perimeter check kerbs, consideration must be given to the external appearance of the building & the potential requirement for fascia boards or trims with increased depth & or additional cladding sections to be used. It is suggested that guidance is sought from the client & allowance made for this aspect prior to commencing the contract.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Fix 50mm x 25mm treated timber batten to the outer edge to form drip batten.
If IKO Preformed Welted Drip to be installed then an additional layer of minimum 18mm OSB /Plywood should be mechanically fixed to both the timber hard edge & fixing batten, to give a suitable substrate for the Preformed Drip to be installed

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Apply the specified waterproofing detailing fully bonded to the detail, lapped and fully sealed onto the main area as indicated.

Install felt drips using 75mm (minimum) x 6mm plywood drip former, mechanically fastened to the treated welted drip batten. Form welted drip in the specified Capsheet to outer edge, lapped and fully sealed onto the main area as indicated. Alternatively Secure IKO preformed drip, in between the waterproofing underlay and Capsheet, mechanically fastened lapped and fully sealed onto the main area as indicated.

NOTES:
Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: CHECK KERB - Concrete - Welted Drip		**DWG NO:** C2	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

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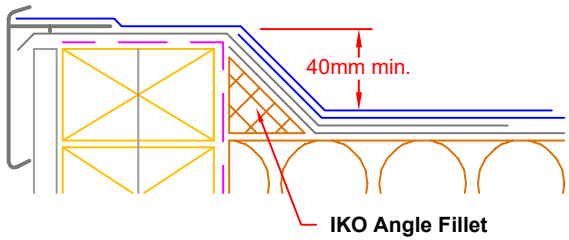

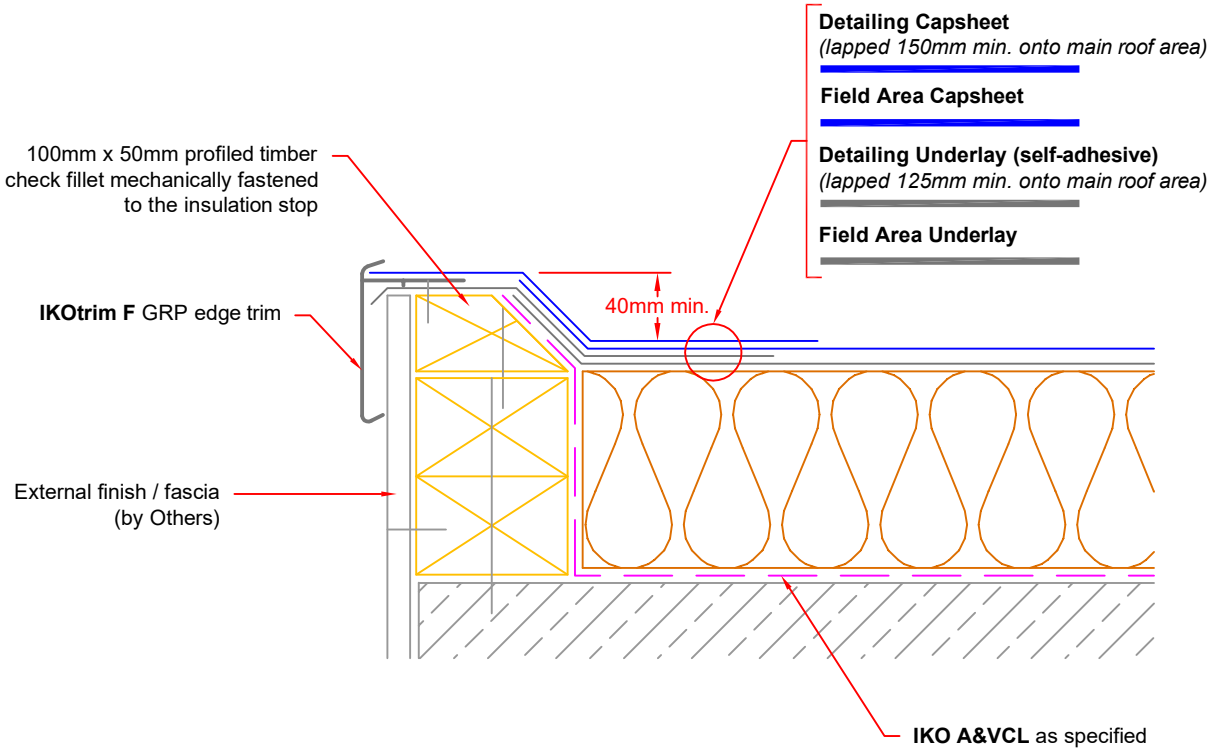

CHECK KERB - Timber - GRP Trim

Raise open perimeter check kerb, using treated timber, 100mm wide, to give an upstand height of 40mm above the surface of the completed waterproofing and provide an insulation stop. Perimeter timbers must be fixed at maximum 300mm centres (150mm maximum for areas of high wind uplift) using suitable fixings into a structurally sound substrate. The top of the kerb must have positive falls towards the roof, negative falls are not acceptable.

Inner face of kerb to be chamfered to a 45° angle, using either profiled timber or tilt fillets. Alternatively 50mm x 50mm **IKO ANGLE FILLETS** can be used as indicated.

When raising perimeter check kerbs, consideration must be given to the external appearance of the building & the potential requirement for fascia boards or trims with increased depth & or additional cladding sections to be used. It is suggested that guidance is sought from the client & allowance made for this aspect prior to commencing the contract.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Apply the specified waterproofing detailing fully bonded to the detail, lapped and fully sealed onto the main area as indicated. The Detailing Underlay should be finished so as to drape over the outer edge as shown.

Apply **IKOTRIM F** edge trim, mechanically fastened to the timber capping at maximum 300mm staggered centres (150mm maximum for areas of high wind uplift) and sandwiched between waterproofing layers as indicated. Apply Detailing Capsheet fully bonded to the detail, dressed into the channel of the **IKOTRIM F** edge trim, lapped and fully sealed onto the main roof area as indicated.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: CHECK KERB - Timber - GRP Trim		**DWG NO:** C3	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

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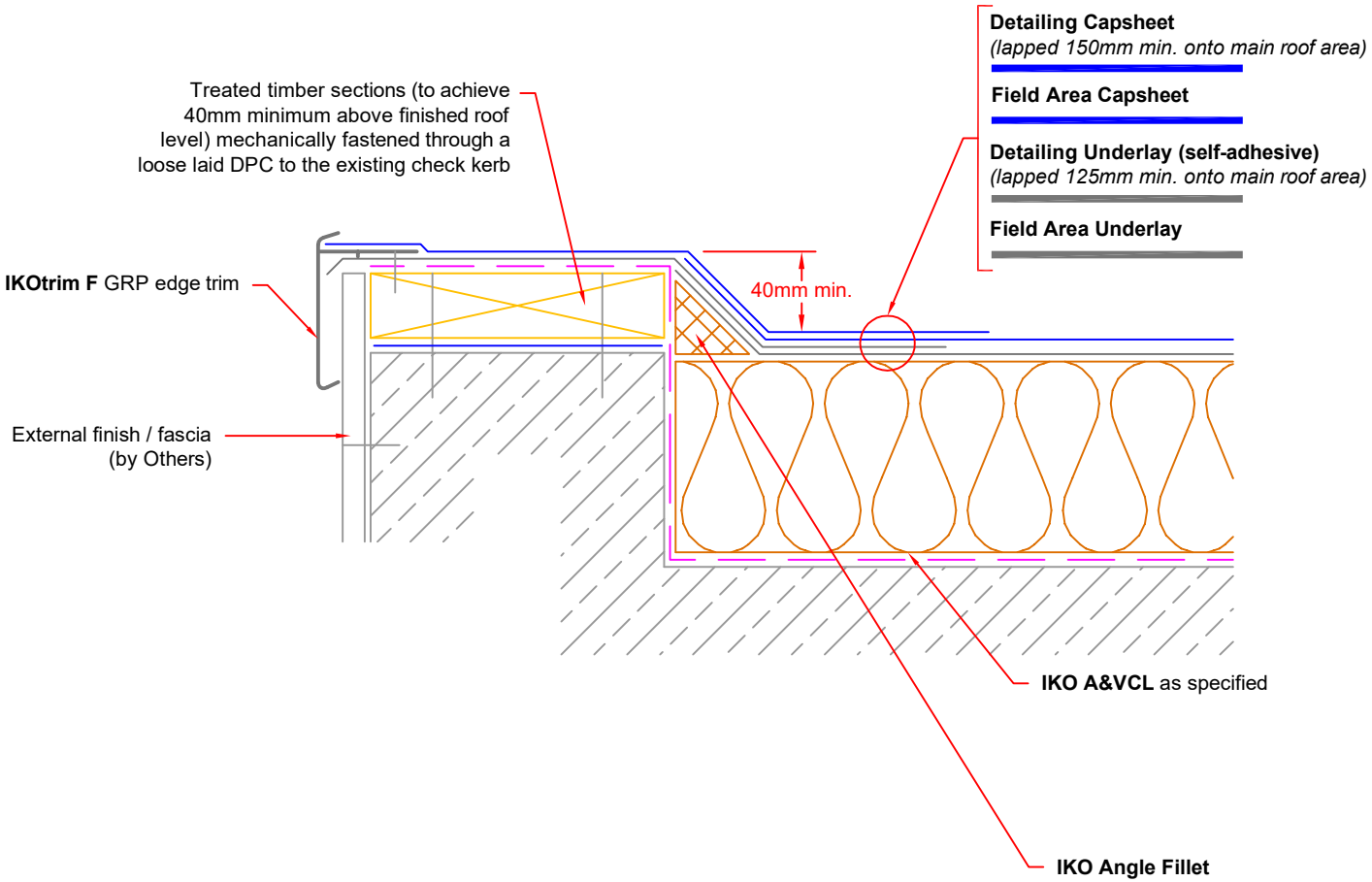

CHECK KERB - Concrete - GRP Trim

Raise open perimeter check kerb, using treated timber, to give an upstand height of 40mm above the surface of the completed waterproofing and provide an insulation stop. Perimeter timbers must be fixed at maximum 300mm centres (150mm maximum for areas of high wind uplift) using suitable fixings into a structurally sound substrate. The top of the kerb must have positive falls towards the roof, negative falls are not acceptable.

When raising perimeter check kerbs, consideration must be given to the external appearance of the building & the potential requirement for fascia boards or trims with increased depth & or additional cladding sections to be used. It is suggested that guidance is sought from the client & allowance made for this aspect prior to commencing the contract.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Fix 25mm x 50mm treated timber batten to the outer edge to form drip batten.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Apply the specified waterproofing detailing fully bonded to the detail, lapped and fully sealed onto the main area as indicated. The Detailing Underlay should be finished so as to drape over the outer edge as shown.

Apply **IKOTRIM F** edge trim, mechanically fastened to the timber capping at maximum 300mm staggered centres (150mm maximum for areas of high wind uplift) and sandwiched between waterproofing layers as indicated. Apply Detailing Capsheet fully bonded to the detail, dressed into the channel of the **IKOTRIM F** edge trim, lapped and fully sealed onto the main roof area as indicated.

NOTES:
Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: CHECK KERB - Concrete - GRP Trim		**DWG NO:** C4	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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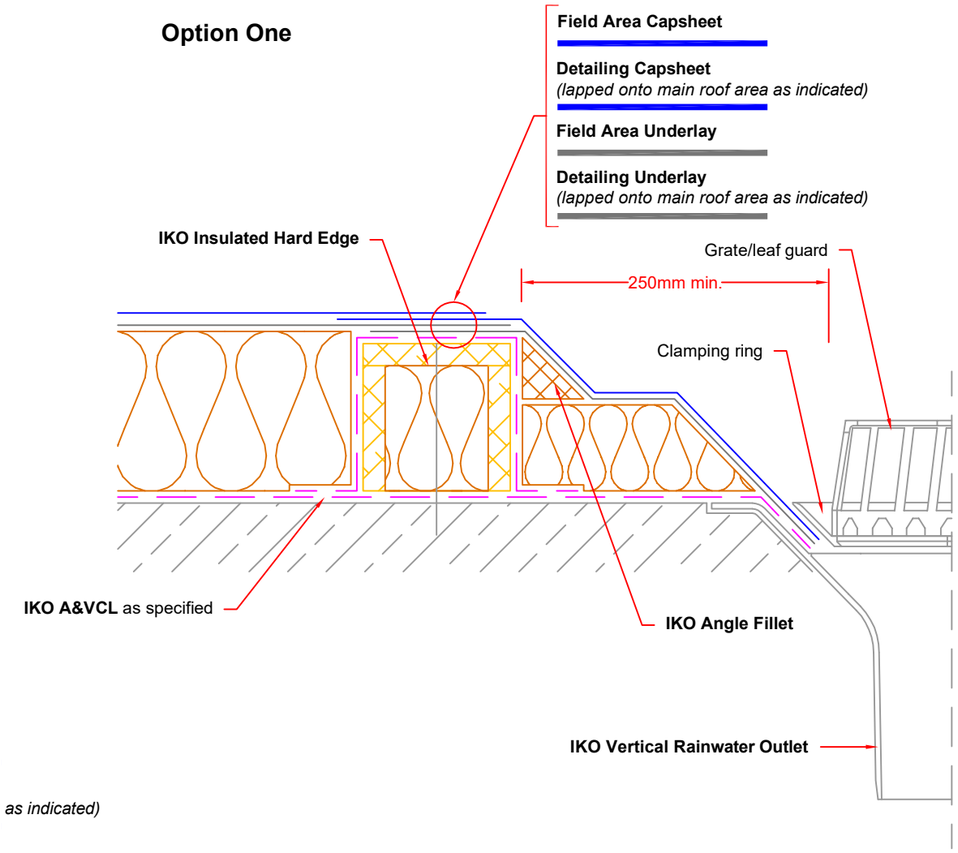
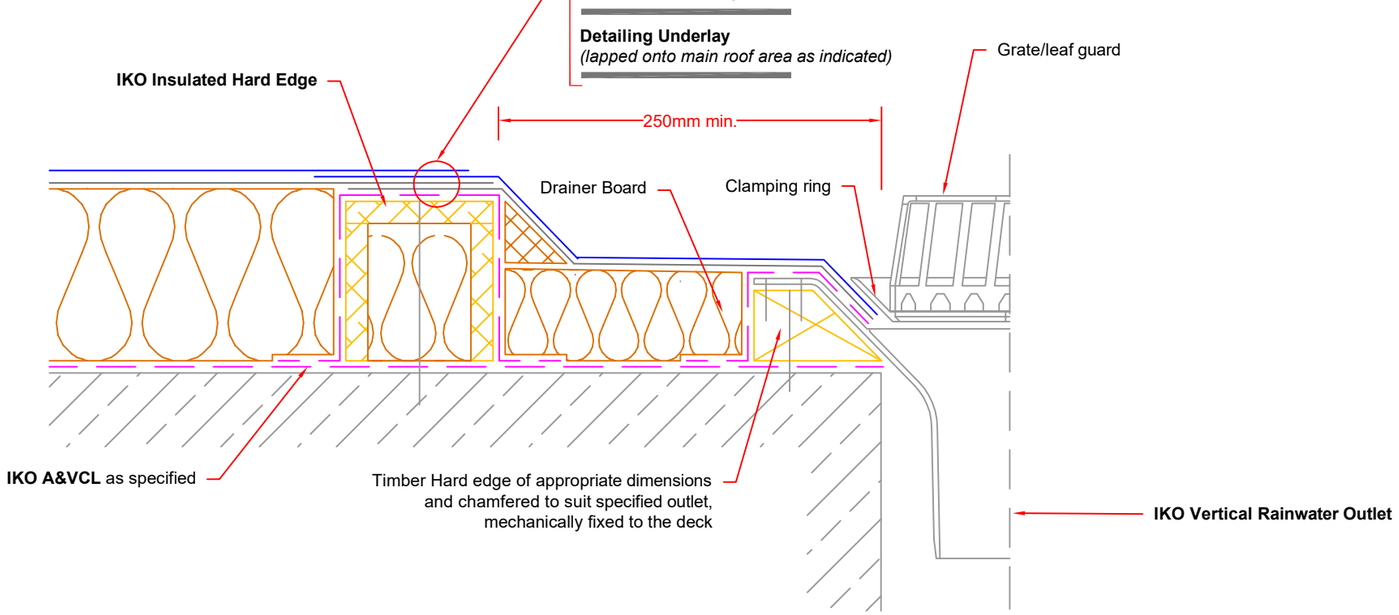
Option One



Option Two

For where the outlet is to be installed at insulation level .

Drainer boards / Tapered insulation to be used to provide positive falls to the outlet to prevent the lap build up holding water.



INTERNAL RWO - IKO Vertical Outlet

Rainwater outlets should be of the correct design & of sufficient size so that the opening is not restricted by the application of the waterproofing system. Roof drainage layout must comply with BS EN 12056-3:2000. Install additional rainwater outlets as required to ensure any standing water is within IKO Technical Services recommendations.

Protect all outlets from any ingress of debris as a result of the roofing works, ensuring any such protection is removed upon the detailing being completed or during non-operational periods.

Remove any existing rainwater outlets & dispose of offsite.

To improve drainage, create a sump detail minimum 500mm x 500mm around the outlet position by installing a minimum 60mm thickness of insulation in this location. Install **IKO INSULATED HARD EDGE** or a treated timber stop batten (minimum 100mm wide), of a thickness 10mm less than the main roof insulation around the sump perimeter to protect the edge of the insulation; to be mechanically fixed or adhered in **IKO PU ADHESIVE** to the roof substrate.

Install new **IKO VERTICAL RAINWATER OUTLET**, according to instructions ensuring a secure connection the the pipework.

Apply sufficient coats of the specified **IKO PRIMER** to the detail including the flange of the new outlet.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed surface & dress as indicated.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** as indicated.

Apply the specified waterproofing as indicated fully bonded to the detail, dressed and sealed into the throat of the new outlet as indicated.

On completion fix the associated clamping rings & domes/gratings/leaf guards. All rainwater outlets & drainage should be checked upon completion of the works to ensure that they are free flowing.

To accommodate the extra thickness of insulation, alteration to any existing internal downpipe drainage system may be necessary.

NOTES:
Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: INTERNAL RWO - IKO Vertical Outlet

DWG NO: D1

DATE: February 2024

NOTES/REVISIONS: N/A

SCALE: NTS

DRAWN BY: IKO

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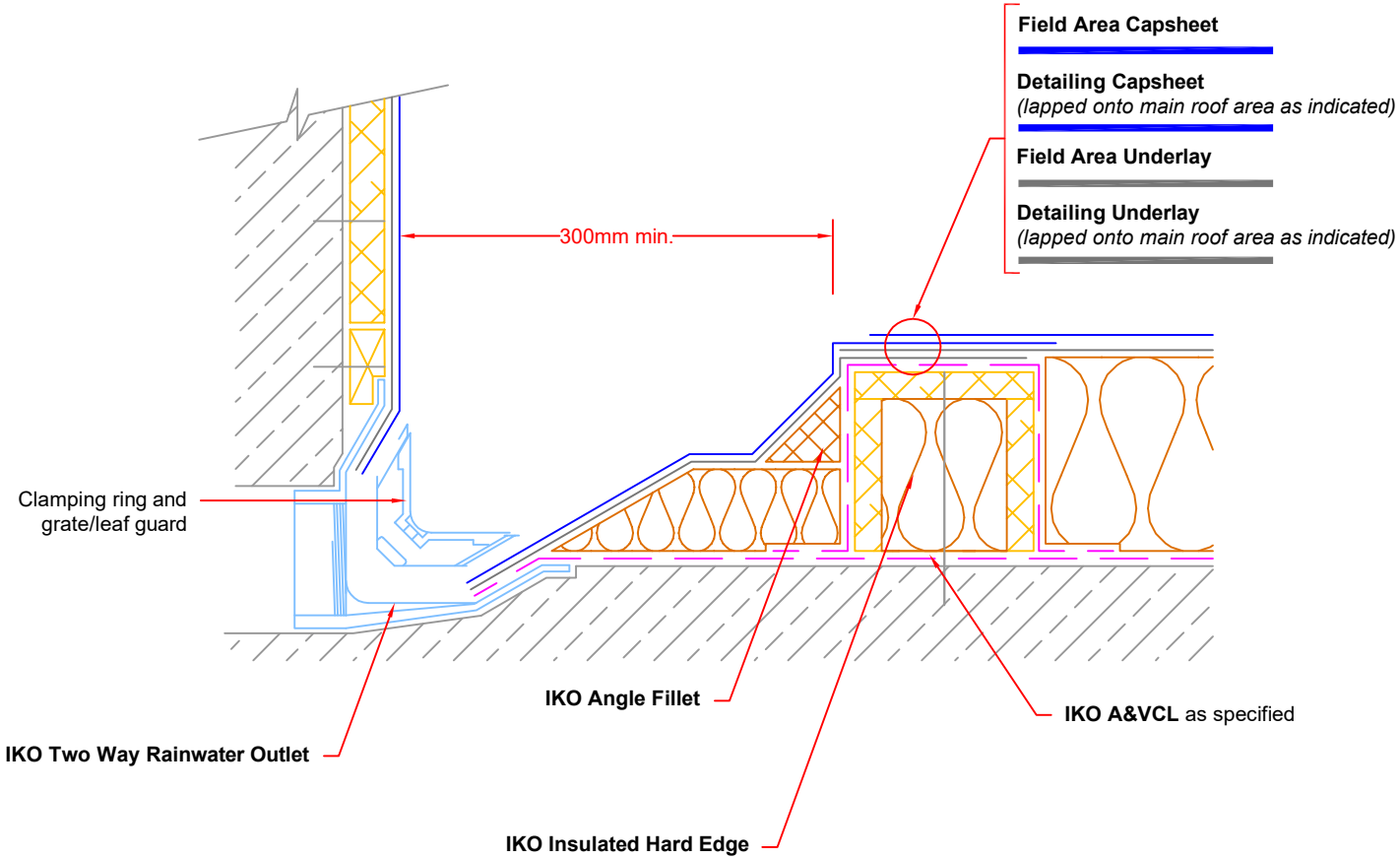

INTERNAL RWO - IKO Two Way Outlet

Rainwater outlets should be of the correct design & of sufficient size so that the opening is not restricted by the application of the waterproofing system. Roof drainage layout must comply with BS EN 12056-3:2000. Install additional rainwater outlets as required to ensure any standing water is within IKO Technical Services recommendations.

Protect all outlets from any ingress of debris as a result of the roofing works, ensuring any such protection is removed upon the detailing being completed or during non-operational periods.

Remove any existing rainwater outlets & dispose of site.

Apply **IKO INSULATED HARD EDGE** or treated timber stop batten (100mm wide & 10mm thinner than the insulation, so as to prevent lap build up) to create a minimum 300mm sump around the outlet position mechanically fastened or adhered in **IKO PU ADHESIVE** to the roof deck.

Install new **IKO TWO WAY RAINWATER OUTLET**, according to instructions ensuring a secure connection the the pipework.

Apply sufficient coats of the specified **IKO PRIMER** to the detail including the flange of the new outlet.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed surface & dress as indicated.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** as indicated.

Apply the specified waterproofing as indicated fully bonded to the detail, dressed and sealed into the throat of the new outlet as indicated.

On completion fix the associated clamping rings & domes/gratings/leaf guards. All rainwater outlets & drainage should be checked upon completion of the works to ensure that they are free flowing.

NOTES:
Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: INTERNAL RWO - IKO Two Way Outlet		**DWG NO:** D2	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

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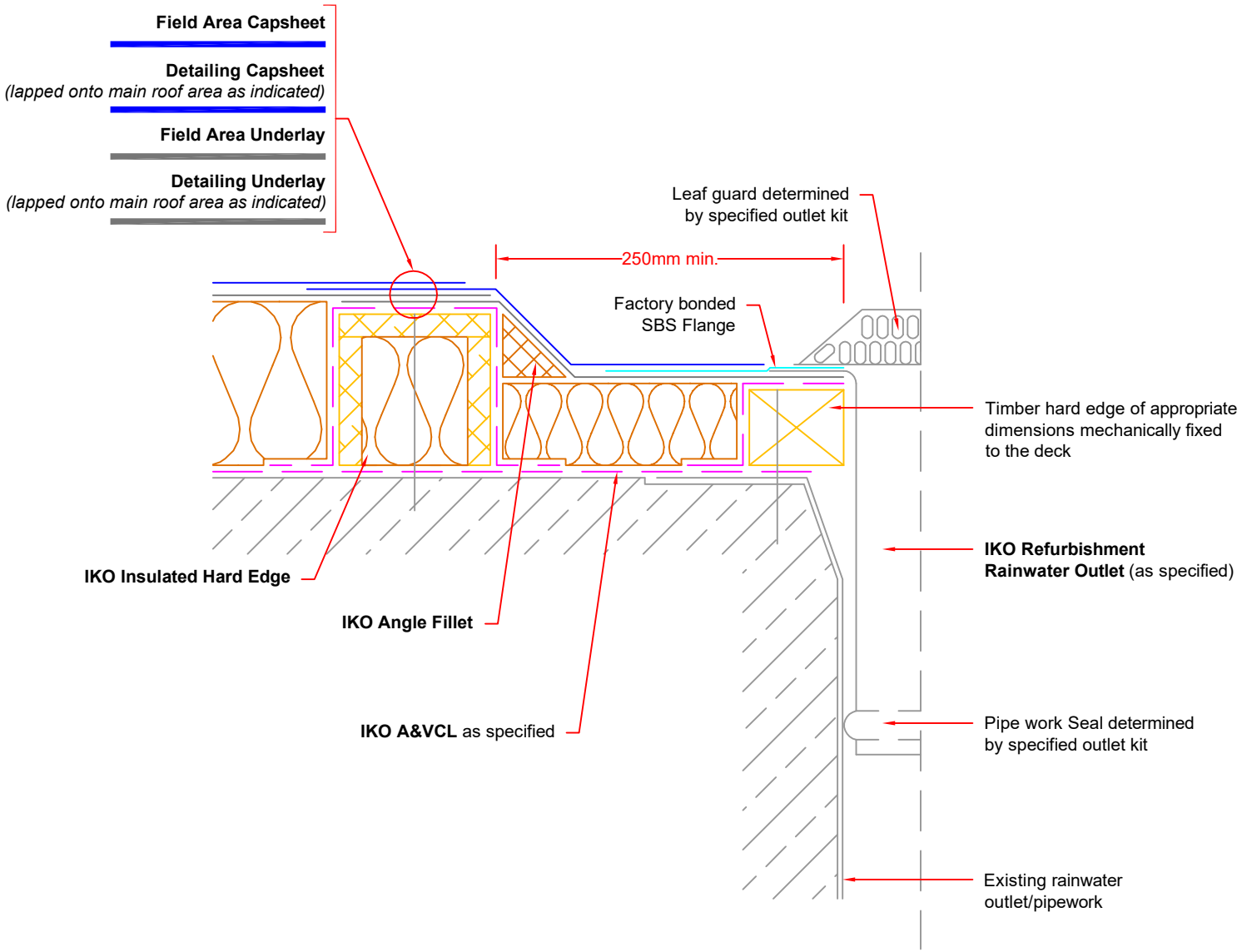

INTERNAL RWO - IKO Refurbishment Outlet - Felt Flange

Rainwater outlets should be of the correct design & of sufficient size so that the opening is not restricted by the application of the waterproofing system. Roof drainage layout must comply with BS EN 12056-3:2000. Install additional rainwater outlets as required to ensure any standing water is within IKO Technical Services recommendations.

Protect all outlets from any ingress of debris as a result of the roofing works, ensuring any such protection is removed upon the detailing being completed or during non-operational periods.

Remove any existing clamping rings, domes and gratings from existing rainwater outlets & dispose of site.

To improve drainage, create a sump detail minimum 500mm x 500mm around the outlet position by installing a minimum 60mm thickness of insulation in this location. Install **IKO INSULATED HARD EDGE** or a treated timber stop batten (minimum 100mm wide), of a thickness 10mm less than the main roof insulation around the sump perimeter to protect the edge of the insulation; to be mechanically fixed or adhered in **IKO PU ADHESIVE** to the roof substrate.

Apply sufficient coats of the specified **IKO PRIMER** to the detail including the flanges of the existing outlet as indicated.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed surface & dress as indicated.

Install timber hard edge of appropriate dimensions (thickness 10mm less than the insulation) in the sump around the outlet to protect the edge of the insulation mechanically fixed to the deck. Prime with specified primer and encapsulate with specified AVCL as indicated.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** as indicated.

Apply the specified waterproofing detailing underlay fully bonded to the detail and dressed into the existing outlet and fully sealed to specified VCL as indicated. Install Field Area Underlay lapped as sealed to the detailing Underlay.

Install new **IKO REFURBISHMENT RAINWATER OUTLET**, ensuring a positive seal to the existing pipe-work and felt flange is fully sealed to the detailing underlay..

Apply the Detailing Capsheet fully bonded to the detail and sealed onto the flange of the new outlet as indicated. Install specified Field Area Capsheet lapped and sealed as indicated.

On completion fix the associated gratings/leaf guards for specified outlet kit. All rainwater outlets & drainage should be checked upon completion of the works to ensure that they are free flowing.

NOTES:
Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.
All waterproofing detailing must be undertaken as two layers and as separate items.
All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: INTERNAL RWO - IKO Refurbishment Outlet - Felt Flange		**DWG NO:** D3	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

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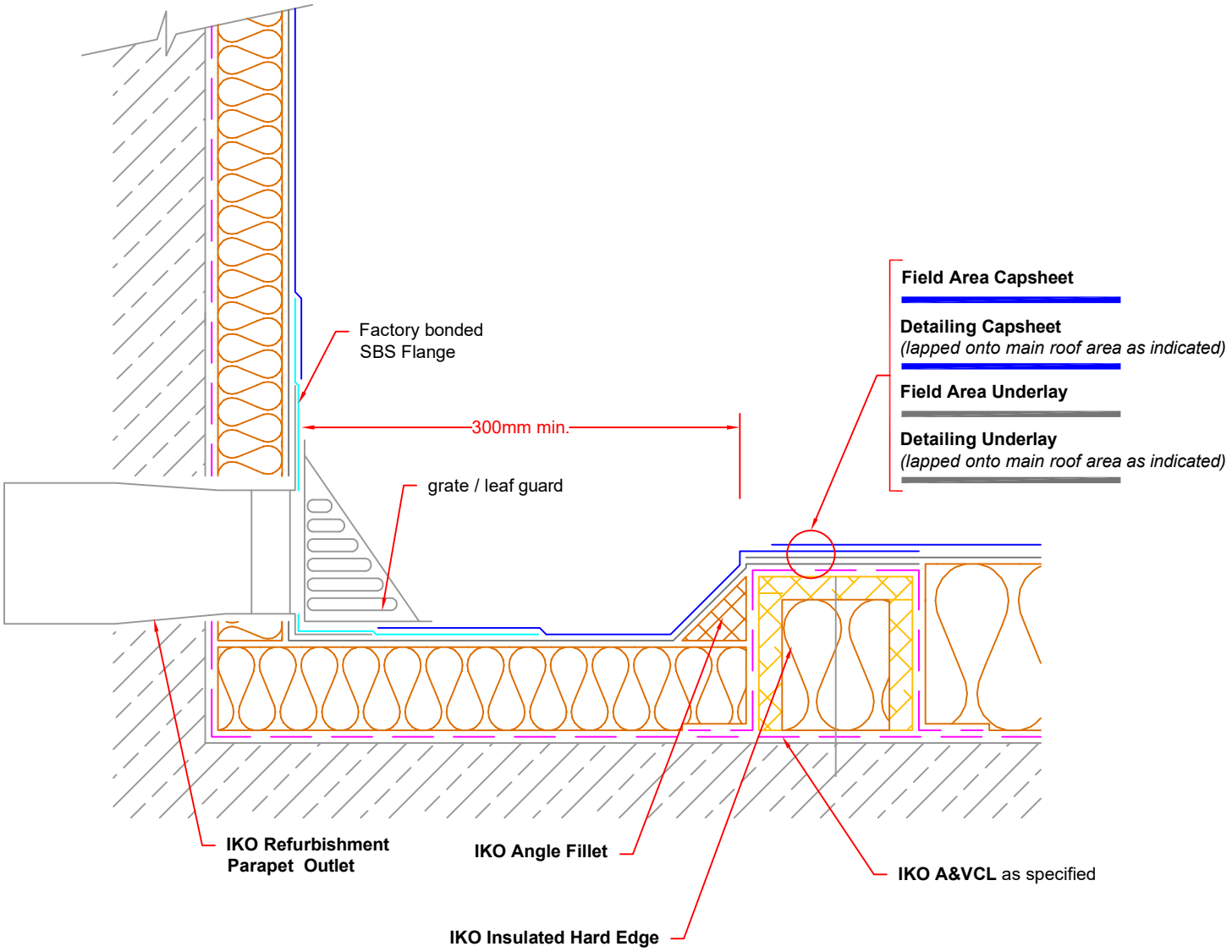
Indicative detail to parapet only
- to be read in conjunction with proposed parapet detail



INTERNAL RWO - IKO Refurbishment Parapet Outlet

Rainwater outlets should be of the correct design & of sufficient size so that the opening is not restricted by the application of the waterproofing system. Roof drainage layout must comply with BS EN 12056-3:2000. Install additional rainwater outlets as required to ensure any standing water is within IKO Technical Services recommendations.

Protect all outlets from any ingress of debris as a result of the roofing works, ensuring any such protection is removed upon the detailing being completed or during non-operational periods.

Remove any existing rainwater outlets & dispose of site.

Apply **IKO INSULATED HARD EDGE** or treated timber stop batten (100mm wide & 10mm thinner than the insulation, so as to prevent lap build up) to create a minimum 300mm sump around the outlet position mechanically fastened or adhered in **IKO PU ADHESIVE** to the roof deck.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed surface & dress as indicated.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** as indicated.

Apply the specified waterproofing detailing underlay fully bonded to the detail and dressed into the existing outlet and fully sealed to specified VCL as indicated. Install Field Area Underlay lapped as sealed to the detailing Underlay.

Install new **IKO REFURBISHMENT PARAPET OUTLET**, ensuring a positive seal to the existing pipe-work and felt flange is fully sealed to the detailing underlay..

Apply the Detailing Capsheet fully bonded to the detail and sealed onto the flange of the new outlet as indicated. Install specified Field Area Capsheet lapped and sealed as indicated.

On completion fix the associated gratings/leaf guards for specified outlet kit. All rainwater outlets & drainage should be checked upon completion of the works to ensure that they are free flowing.

NOTES:
Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: INTERNAL RWO - IKO Refurbishment Parapet Outlet		**DWG NO:** D4	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

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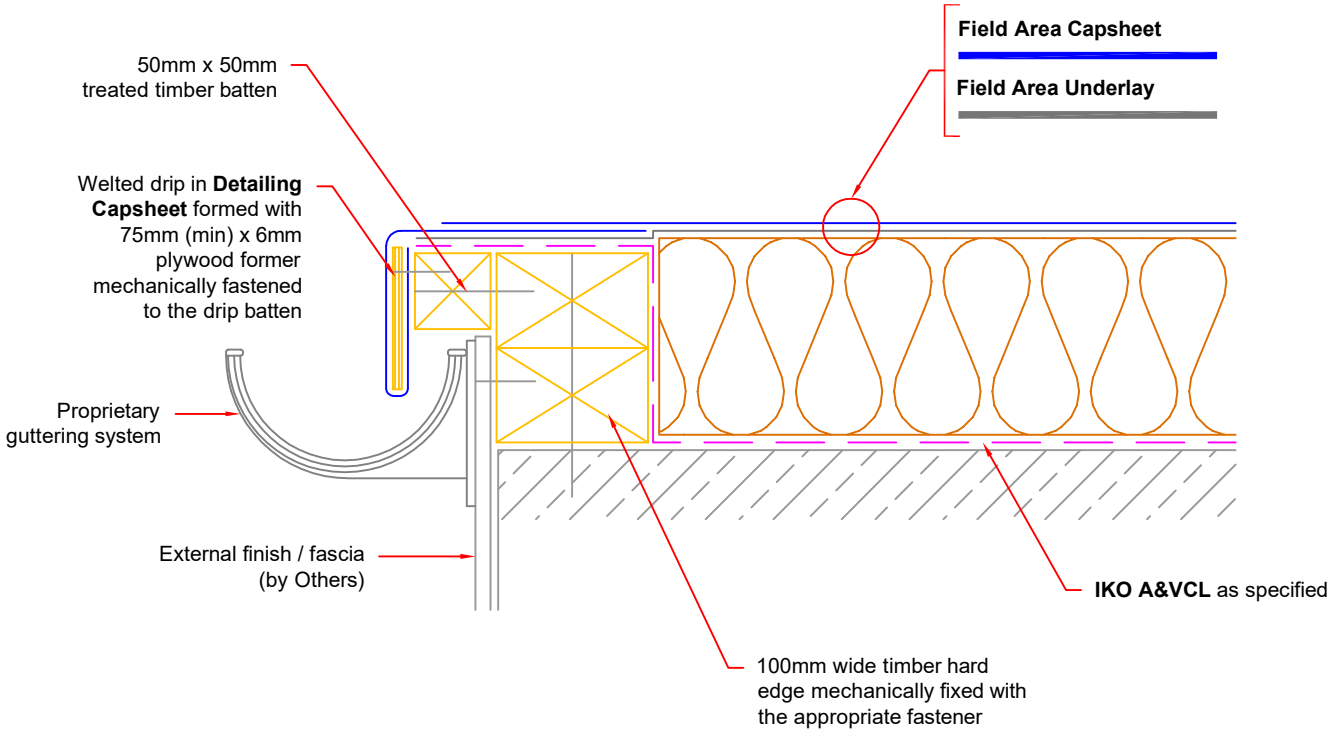

DRIP TO GUTTER

Apply treated timber stop batten (100mm wide & 10mm thinner than the insulation, so as to prevent lap build up) mechanically fastened to the roof deck to provide a hard edge to all perimeters. Perimeter timbers must be fixed at maximum 300mm centres (150mm maximum for areas of high wind uplift) using suitable fixings into a structurally sound substrate.

Where an additional insulation thickness is specified the perimeter will need to be raised to accommodate the new detail in accordance with IKO Technical Services recommendations. This may affect the aesthetics of the external facade, so allowance must be made for raising the existing facade & associated components, e.g. fascia boards, guttering.

Apply & securely fix a 50mm x 50mm minimum treated timber batten.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed substrate & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Apply the specified Field Area Underlay fully bonded and dressed to link with the Air & Vapour Control Layer as indicated.

Install felt drips using 75mm (minimum) x 6mm plywood drip former, mechanically fastened to the treated welted drip batten. Form welted drip in the specified Capsheet to outer edge, lapped and fully sealed onto the main area as indicated. Apply Field Area Capsheet.

NOTES:
Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: DRIP TO GUTTER - Timber Drip Batten.

DWG NO: E1

DATE: February 2024

NOTES/REVISIONS: N/A

SCALE: NTS

DRAWN BY: IKO

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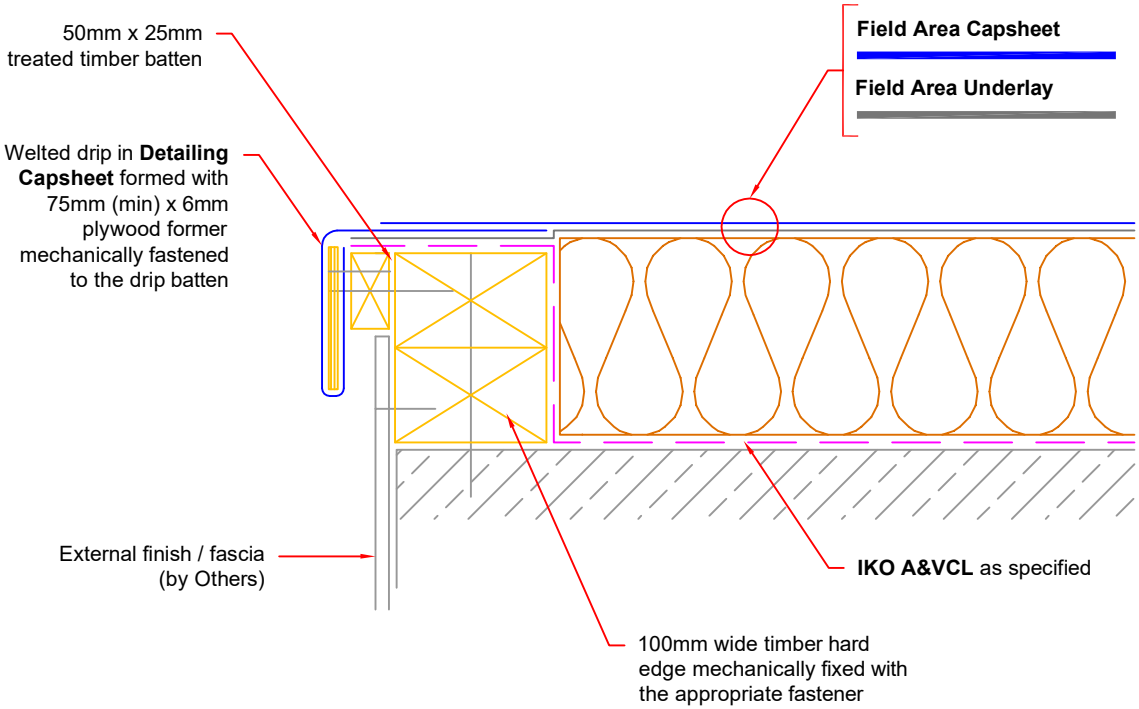

DRIP EDGE

Apply treated timber stop batten (100mm wide & 10mm thinner than the insulation, so as to prevent lap build up) mechanically fastened to the roof deck to provide a hard edge to all perimeters. Perimeter timbers must be fixed at maximum 300mm centres (150mm maximum for areas of high wind uplift) using suitable fixings into a structurally sound substrate.

Where an additional insulation thickness is specified the perimeter will need to be raised to accommodate the new detail in accordance with IKO Technical Services recommendations. This may affect the aesthetics of the external facade, so allowance must be made for raising the existing facade & associated components, e.g. fascia boards, guttering.

Apply & securely fix a 50mm x 25mm minimum treated timber batten.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed substrate & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Apply the specified Field Area Underlay fully bonded and dressed to link with the Air & Vapour Control Layer as indicated.

Install felt drips using 75mm (minimum) x 6mm plywood drip former, mechanically fastened to the treated welted drip batten. Form welted drip in the specified Capsheet to outer edge, lapped and fully sealed onto the main area as indicated. Apply Field Area Capsheet.

NOTES:
Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

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STANDARD DETAIL

Drawing Title: DRIP EDGE		**Dwg No:** E2	
Date: February 2024	**Notes/Revisions:** N/A	**Scale:** NTS	**Drawn By:** IKO

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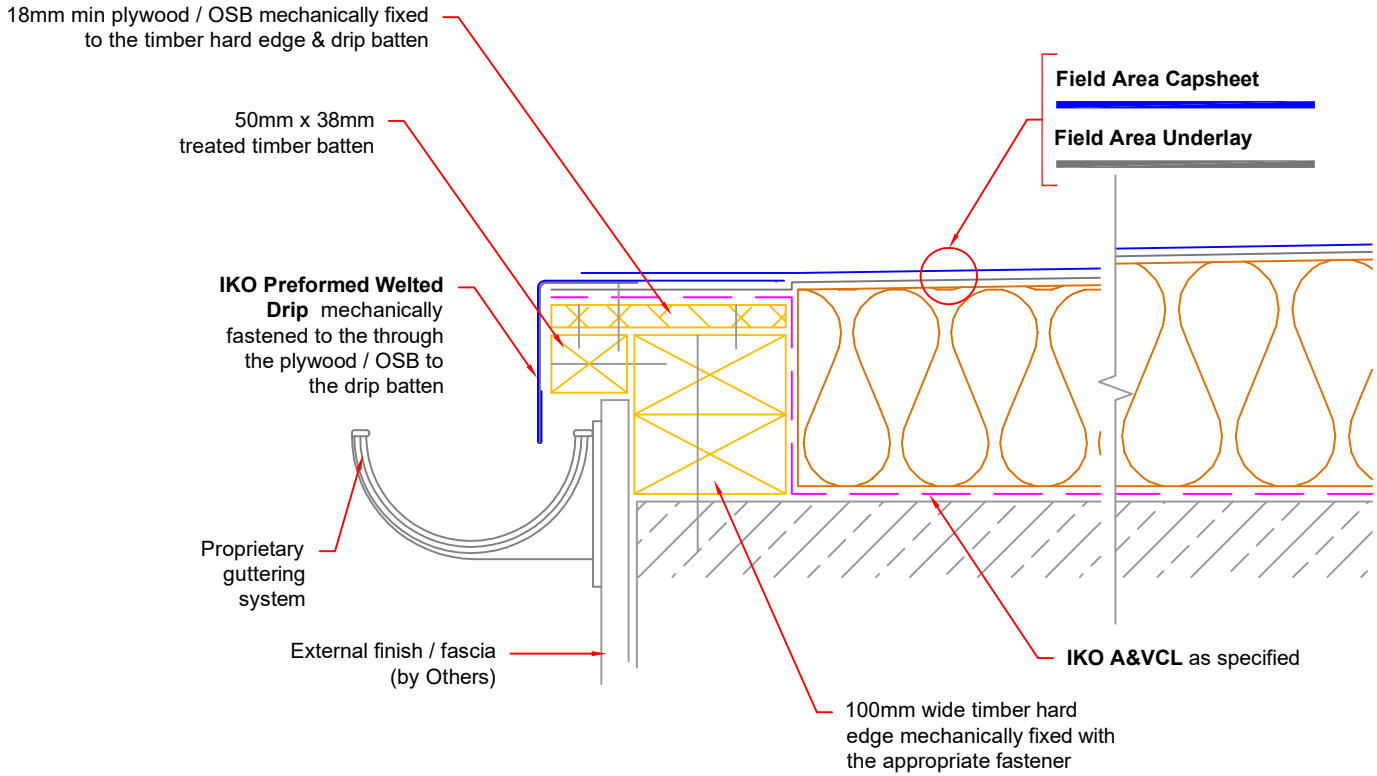

PREFORMED DRIP TO GUTTER - Drainer Board

Apply treated timber stop batten (100mm wide & 10mm thinner than the insulation, so as to prevent lap build up) mechanically fastened to the roof deck to provide a hard edge to all perimeters. Perimeter timbers must be fixed at maximum 300mm centres (150mm maximum for areas of high wind uplift) using suitable fixings into a structurally sound substrate.

Where an additional insulation thickness is specified the perimeter will need to be raised to accommodate the new detail in accordance with IKO Technical Services recommendations. This may affect the aesthetics of the external facade, so allowance must be made for raising the existing facade & associated components, e.g. fascia boards, guttering.

Fix 38mm x 50mm treated timber batten to the outer edge to form fixing batten.

Install an additional layer of minimum 18mm OSB /Plywood should be mechanically fixed to both the timber hard edge & fixing batten, to give a suitable substrate for the Preformed Drip to be installed

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed substrate & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Apply the specified Field Area Underlay fully bonded and dressed to link with the Air & Vapour Control Layer as indicated.

Secure IKO preformed drip, in between the waterproofing underlay and Capsheet, mechanically fastened lapped and fully sealed onto the main area as indicated.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

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STANDARD DETAIL

DRAWING TITLE: PREFORMED DRIP TO GUTTER - Drainer Board		**DWG NO:** E3	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

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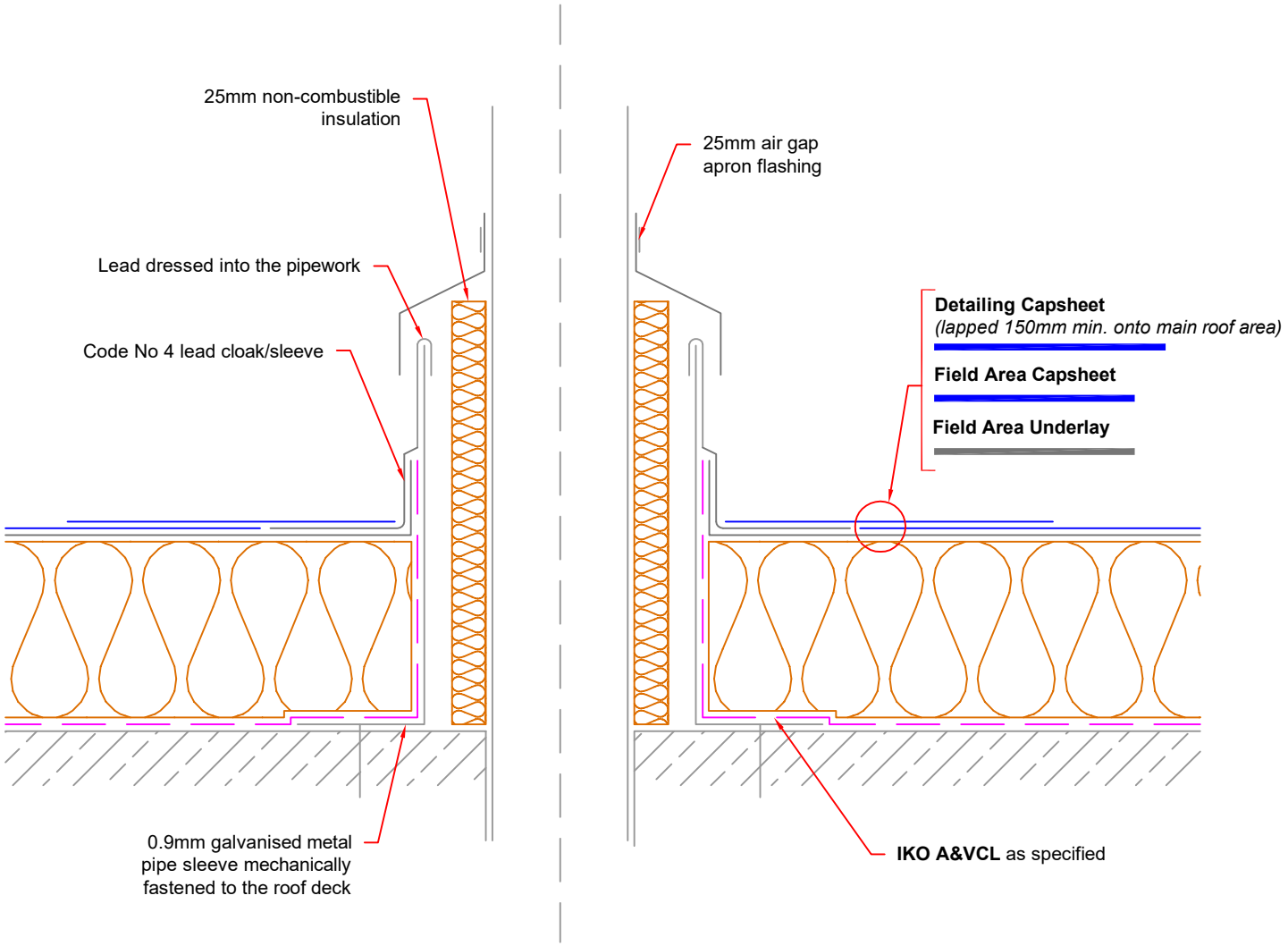

PIPE PENETRATIONS - Hot Pipe

Extend pipework as necessary to achieve a minimum upstand height of 150mm above finished roof level.

Install an insulated pipe sleeve to the pipework to achieve a minimum upstand height of 150mm above finished roof level.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Apply the specified Field Area Underlay fully bonded and dressed to link with the Air & Vapour Control Layer as indicated.

Apply a lead flange dressed up the pipe sleeve & sealed between the waterproofing layers being installed in accordance with manufacturers recommendations. Prime the lead flange with the specified primer.

Apply the specified Field Area Capsheet as indicated, followed by the Detailing Capsheet fully bonded to the detail, sealed onto the lead flange, lapped and fully sealed to the main roof area as indicated.

Leadwork should be dressed & turned over the top of the pipe sleeve to encapsulate the rim

On completion of the detailing works provide a metal apron flashing to the pipe to provide weathering to the pipe sleeve. The top edge should be sealed with a suitable mastic sealant.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: PIPE PENETRATIONS - Hot Pipe		**DWG NO:** F1	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

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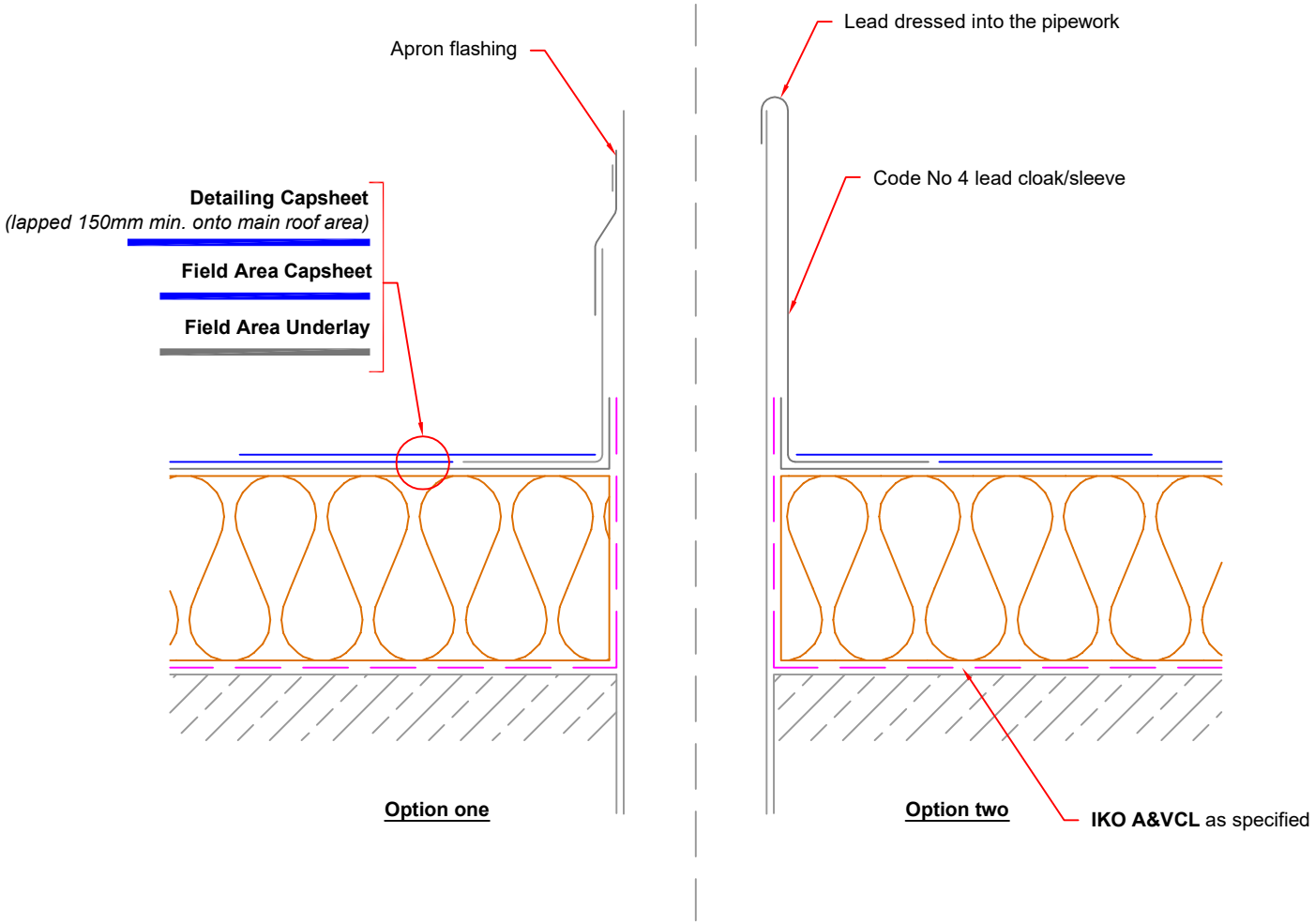

PIPE PENETRATIONS - Cold Pipe - Lead Sleeve

Extend pipework as necessary to achieve a minimum upstand height of 150mm above finished roof level.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Apply the specified Field Area Underlay fully bonded and dressed to link with the Air & Vapour Control Layer as indicated.

Provide Code 4 or 5 lead pipe flashings preformed to suit each pipe. The sleeve should be dressed between the waterproofing layers. Leadwork should be dressed & turned over the top of the pipe to encapsulate the rim or top edge, being secured with a proprietary flashing & sealed with a suitable mastic sealant to the top edge. Prime the lead flange with the specified primer.

Apply the specified Field Area Capsheet as indicated, followed by the Detailing Capsheet fully bonded to the detail, sealed onto the lead flange, lapped and fully sealed to the main roof area as indicated.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: PIPE PENETRATIONS - Cold Pipe - Lead Sleeve

DWG NO: F2

DATE: February 2024

NOTES/REVISIONS: N/A

SCALE: NTS

DRAWN BY: IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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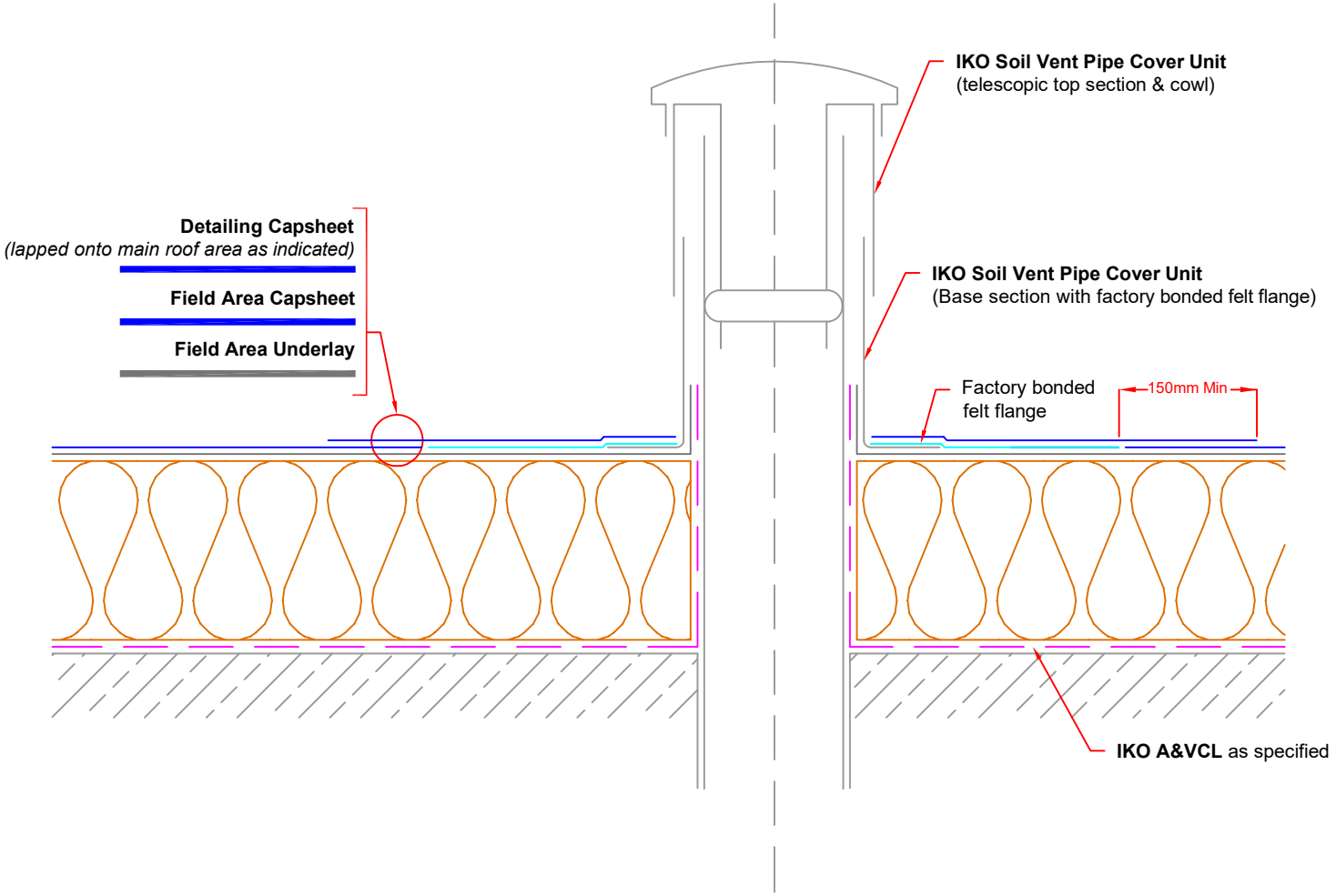

PIPE PENETRATIONS - Cold Pipe - IKO Soil Vent Pipe Cover

Extend pipework as necessary to achieve a minimum upstand height of 150mm above finished roof level.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Apply the specified Field Area Underlay fully bonded and dressed to link with the Air & Vapour Control Layer as indicated.

Install **IKO SOIL VENT PIPE COVER UNIT** over existing pipe work, Factory bonded flange to be lapped and sealed to the field area underlay as indicated. Install telescopic upper section and cowl insuring a secure fit between the pipework and O-ring.

Install specified Field Area Capsheet butt jointed to the felt flange as indicated.

Install specified Detailing Capsheet over the felt flange and lapped on to the Main Roof Area by a minimum 150mm as indicated.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Email: technical.uk@iko.com

STANDARD DETAIL

Drawing Title: PIPE PENETRATIONS - Cold Pipe - IKO Soil Vent Pipe Cover		**Dwg No:** F3	
Date: February 2024	**Notes/Revisions:** N/A	**Scale:** NTS	**Drawn By:** IKO

This detail is representative of a typical situation and provided for illustration purposes. Where shown insulation thickness may differ in accordance with specifiers U value requirement. To be read in conjunction with the IKO project specification. Refer to specification and product literature for product descriptions and application information.

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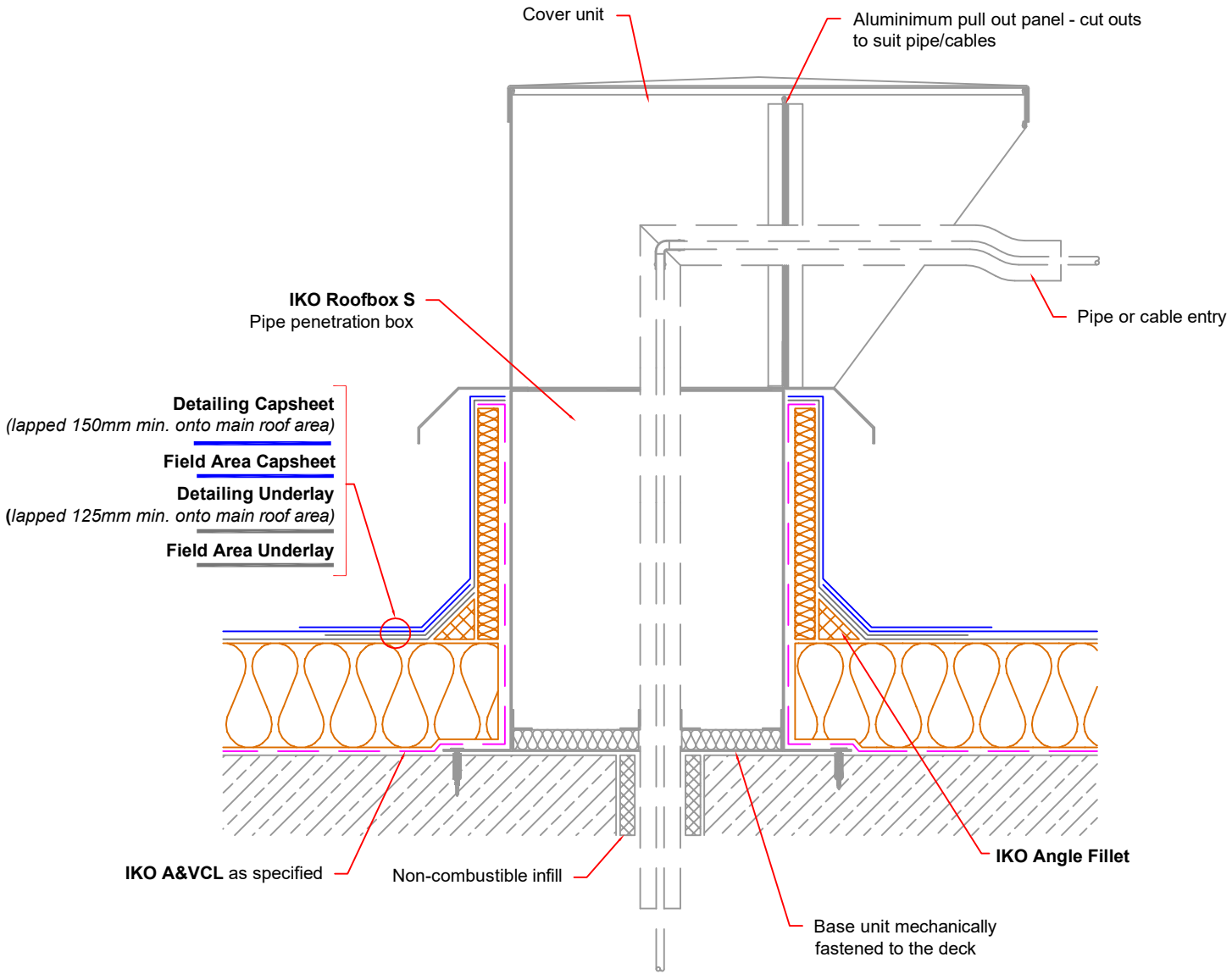

IKO ROOFBOX S PIPE PENETRATIONS - Pipe & Cable Entry Box

Apply **IKO ROOFBOX S** pipe & cable penetration box base unit being mechanically fixed to the deck as per manufacturers recommendations.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the full height of the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, including to the full height of the upstand to be bonded as per IKO Specification Proposal.

Apply the specified waterproofing detailing fully bonded to the upstand. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

On completion of the detailing works, fix the **IKO ROOFBOX S** pipe & cable penetration box main body, aluminium pull out panel for pipes/cables & lid as per manufacturers recommendations.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: IKO ROOFBOX S PIPE PENETRATIONS - Pipe & Cable Entry Box

DWG NO: F4

DATE: February 2024

NOTES/REVISIONS: REV A - October 2024

SCALE: NTS

DRAWN BY: IKO

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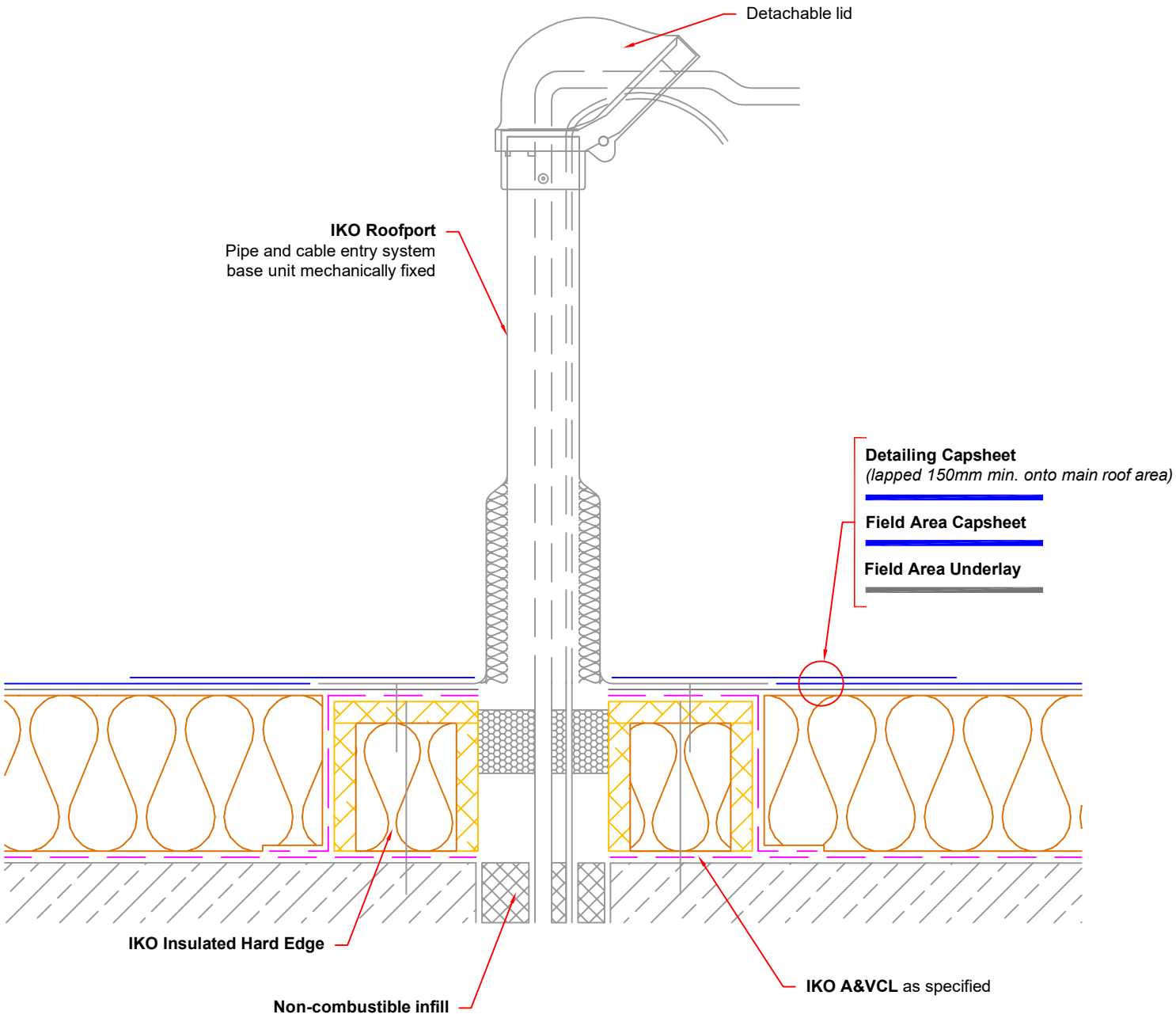

IKO ROOFPORT PIPE PENETRATIONS - Pipe & Cable Entry

Apply **IKO INSULATED HARD EDGE** or treated timber stop batten mechanically fastened, or adhered in **IKO PU ADHESIVE** to the roof deck to provide a hard edge as indicated.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed substrate & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Apply the specified Field Area Underlay fully bonded and dressed to link with the Air & Vapour Control Layer as indicated.

Apply **IKO ROOFPORT** pipe & cable penetration base unit mechanically fixed to the timber stops as per manufacturers recommendations. Prime the flange of the unit with the specified primer.

Apply the specified Field Area Capsheet as indicated, followed by the Detailing Capsheet fully bonded to the detail, sealed onto the flange, lapped and fully sealed to the main roof area as indicated.

Ensure the detachable lid is fitted to the top of the unit as per the manufacturers recommendations.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

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STANDARD DETAIL

Drawing Title: IKO ROOFPORT PIPE PENETRATIONS - Pipe & Cable Entry		**Dwg No:** F5	
Date: February 2024	**Notes/Revisions:** REV A - October 2024	**Scale:** NTS	**Drawn By:** IKO

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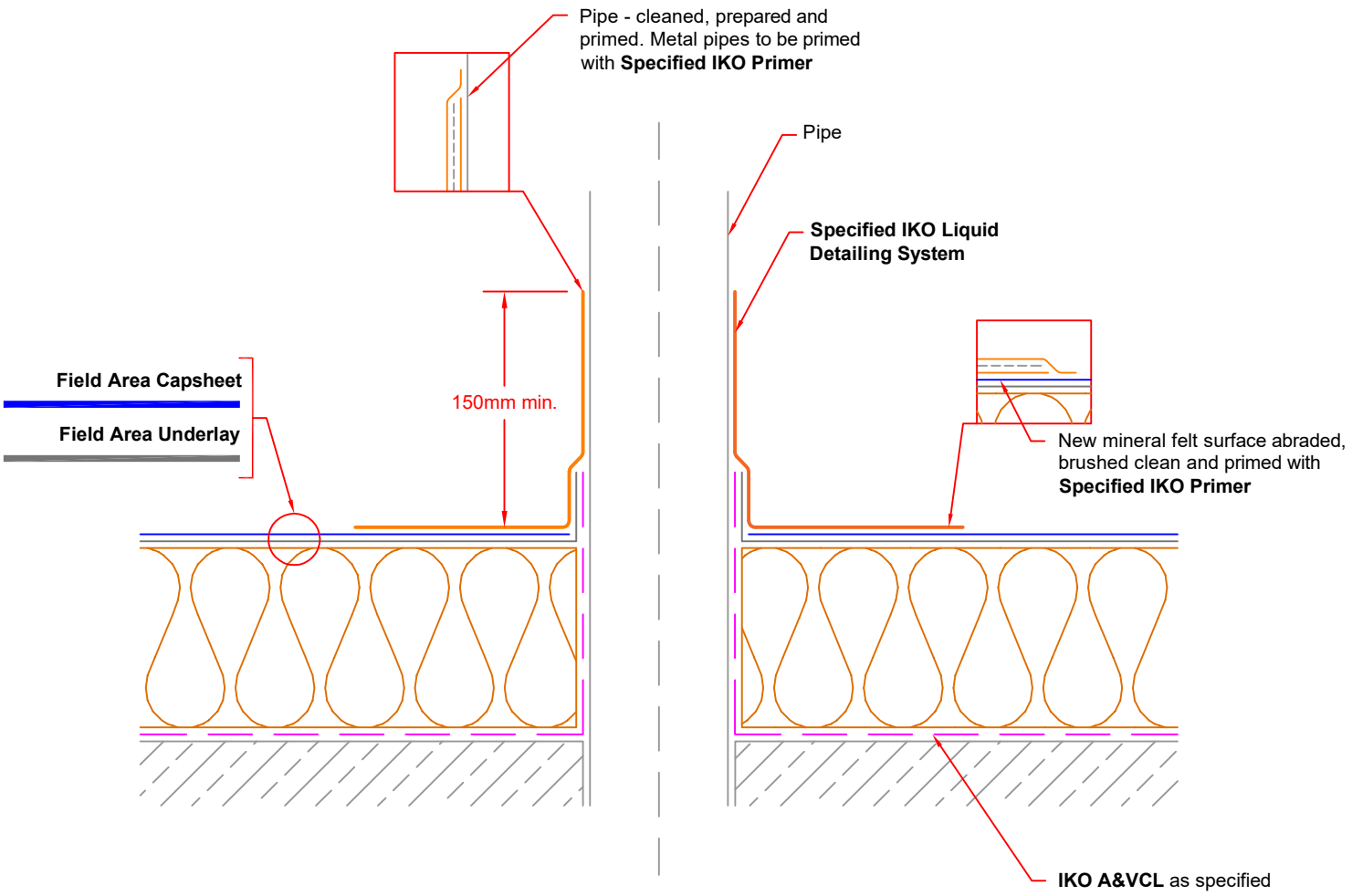

PIPE PENETRATIONS - Cold Pipe - Liquid Detailing

Extend pipework as necessary to achieve a minimum upstand height of 150mm above finished roof level.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Apply the specified Field Area Underlay to link with the Air & Vapour Control Layer as indicated, followed by the Field Area Capsheet.

Abrade, brush clean and remove loose mineral from the surface of the Field Area Capsheet and prime with Specified **IKO Liquid Primer**.

Clean, prepare and prime the pipe as necessary, to provide a suitable surface to which to apply the detail. Metal pipes must be abraded to a bright finish and then primed with Specified **IKO Liquid Metal Primer**.

Apply Specified **IKO Liquid Detailing System** to the complete detail as indicated, fully reinforced with the specified **Detailing Reinforcement membrane** and dressed to provide a minimum upstand height of 150mm and lapped onto the main roof area by a minimum of 150mm. Allow to cure.

Apply Specified **IKO Liquid Topcoat** to the complete detail terminating on the pipe and the main roof area 25mm beyond the first layer. Use masking tape to provide a neat finish, removing the masking tape before the liquid has cured.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: PIPE PENETRATIONS - Cold Pipe - Liquid Detailing		**DWG NO:** F6	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

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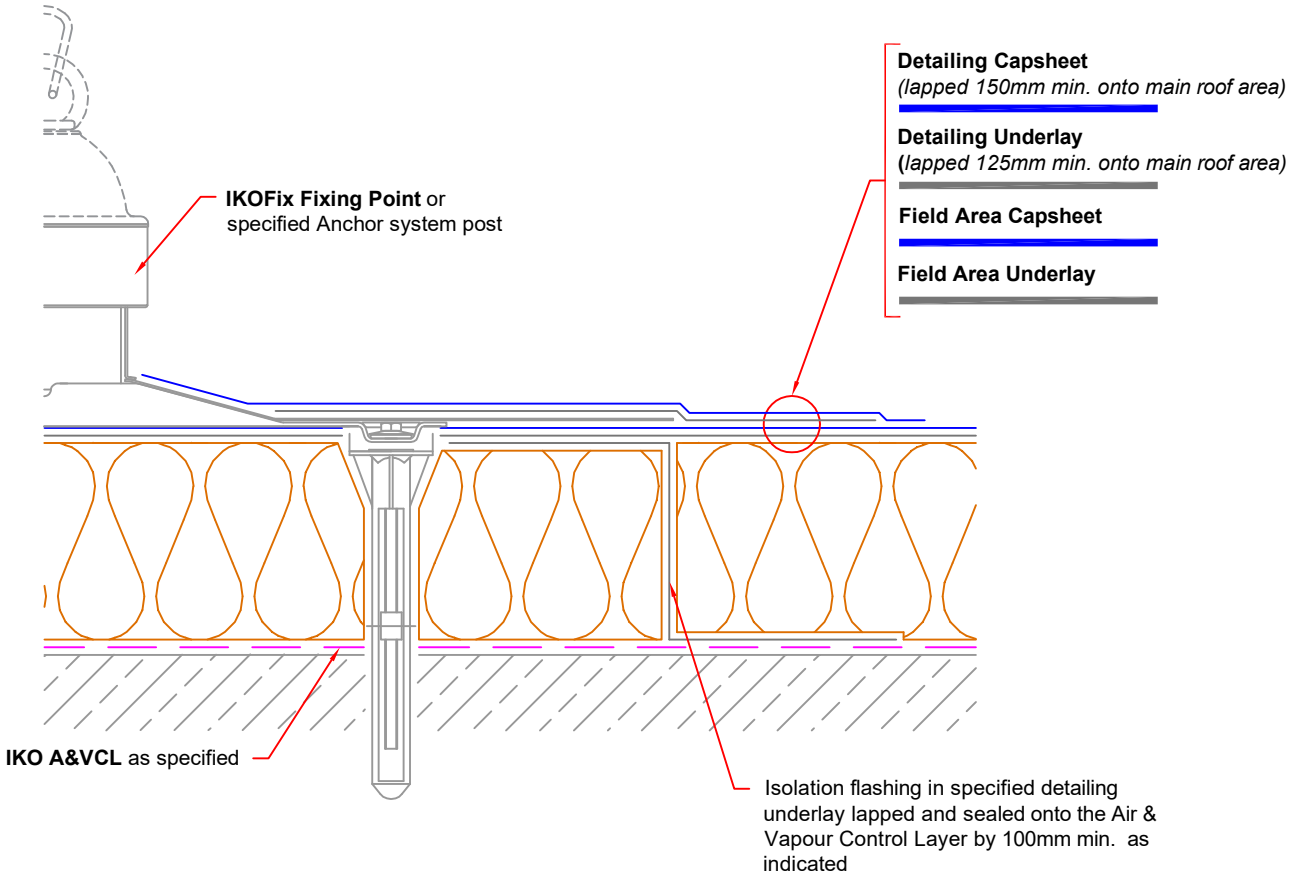

IKOFIX FIXING POINT or MANSAFE ANCHOR SYSTEM

Install **IKO AIR & VAPOUR CONTROL LAYER, IKO ENERTHERM INSULATION,** Specified Field Area Underlay and Capsheet to the roof area as outlined in the specification. The insulation beneath the base plate must be isolated using the specified detailing Underlay lapped and sealed onto the Air & Vapour Control Layer by 100mm min. as indicated.

Install **IKOFIX FIXING POINT** or mansafe anchor system base plate through the waterproofing system mechanically fixed to the deck in strict accordance with the manufacturer's instructions, using the correct fixing method.

Prepare and prime the base plate with the specified **IKO PRIMER**.

Apply the specified waterproofing detailing fully bonded to the detail, sealed onto the base plate, lapped and fully sealed onto the main area as indicated.

NOTES:
Installation and testing of mansafe anchor systems must be carried out by trained and qualified personnel in strict accordance with the manufacturer's installation instructions using the correct fixing methods. Application of the waterproofing detail must be carried out by the IKO Approved Contractor by appropriately trained operatives.

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: IKOFIX FIXING POINT or MANSAFE ANCHOR SYSTEM

DWG NO: F7

DATE: February 2024

NOTES/REVISIONS: N/A

SCALE: NTS

DRAWN BY: IKO

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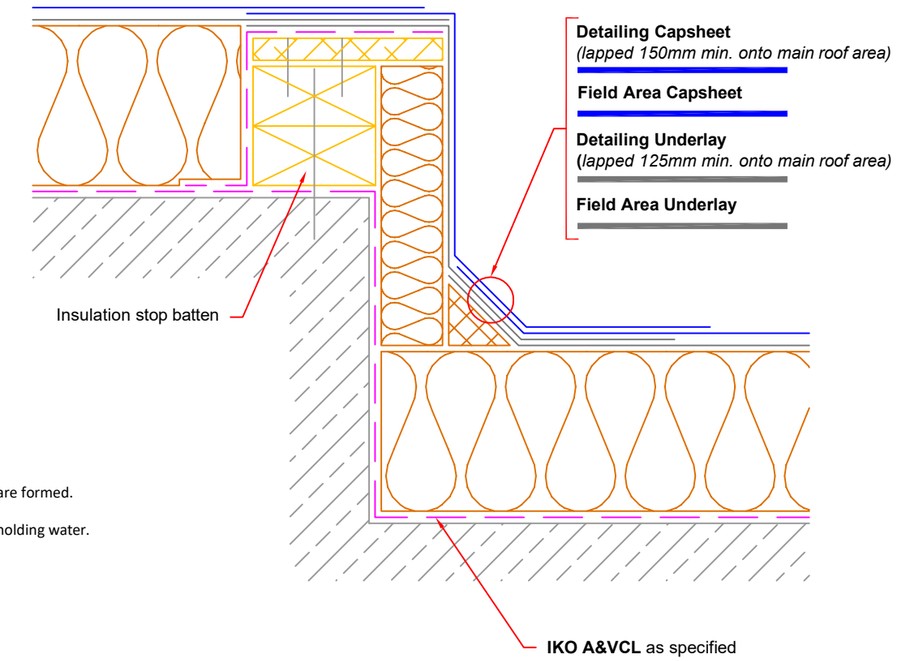
Option One

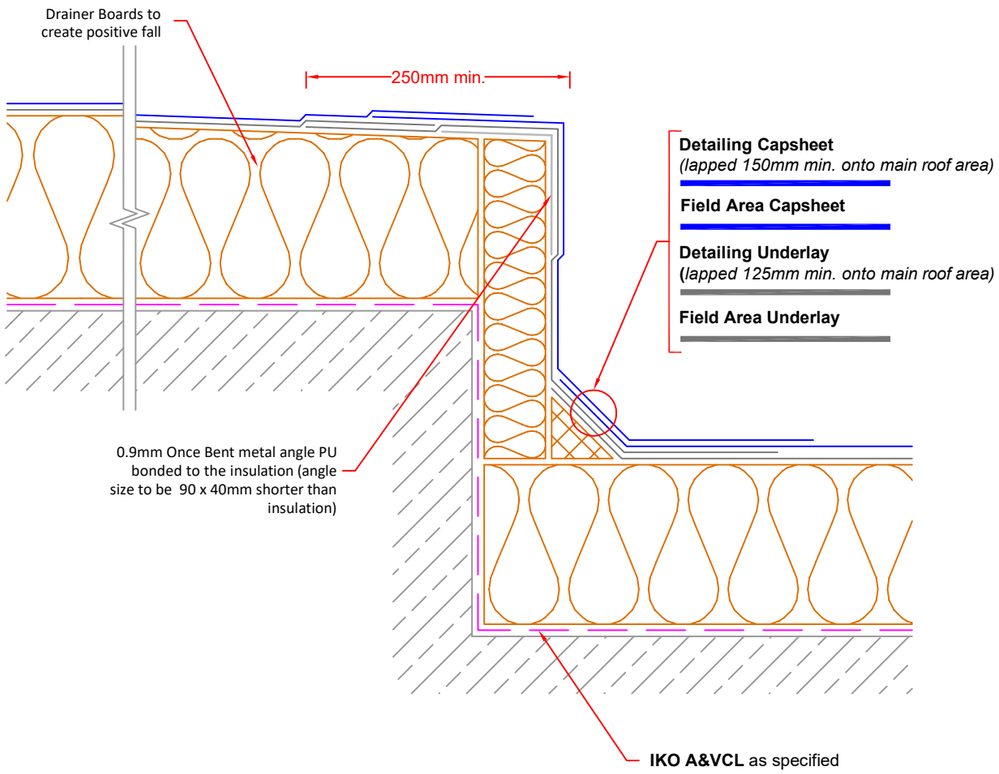


Option Two

For where site restrictions does not allow the use of insulated hard edges.

Formation of the change in Level does not allow for isolations of the lower area from the upper area, unless day joints are formed.

Drainer boards / Tapered insulation to be used to provide positive falls to the leading edge to prevent the lap build up holding water.



CHANGE IN LEVEL

Apply an insulation stop batten to the top edge of the upper level (100mm wide & 30mm thinner than insulation thickness, so as to prevent lap build up) being mechanically fixed to the roof deck, to provide a hard edge to all steps.

Fix 18mm plywood capping piece to oversail stop batten & cover top edge of vertical insulation.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed area as indicated, providing an additional piece of vcl to dress onto the insulation stop & link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, including vertically, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded to the detail as indicated. Detailing Underlay and Capsheet must be returned to the inner edge of the insulation stop batten and lapped and fully sealed onto the main area as indicated.

NOTES:
Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm.

Email: technical.uk@iko.com

STANDARD DETAIL

Drawing Title: CHANGE IN LEVEL		**Dwg No:** G1	
Date: February 2024	**Notes/Revisions:** N/A	**Scale:** NTS	**Drawn By:** IKO

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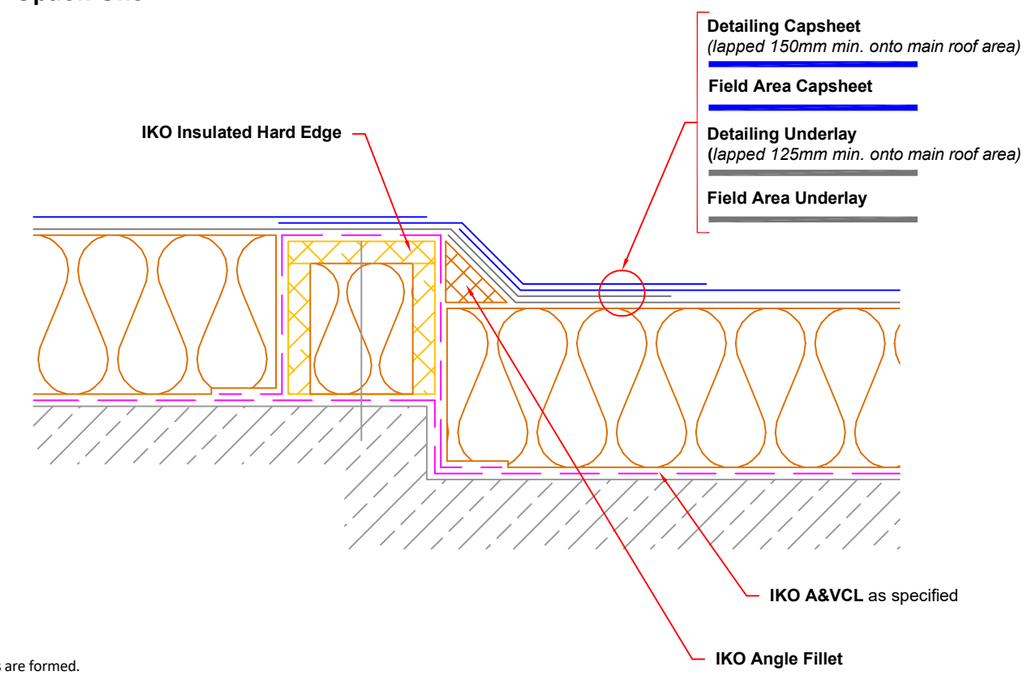
Option One

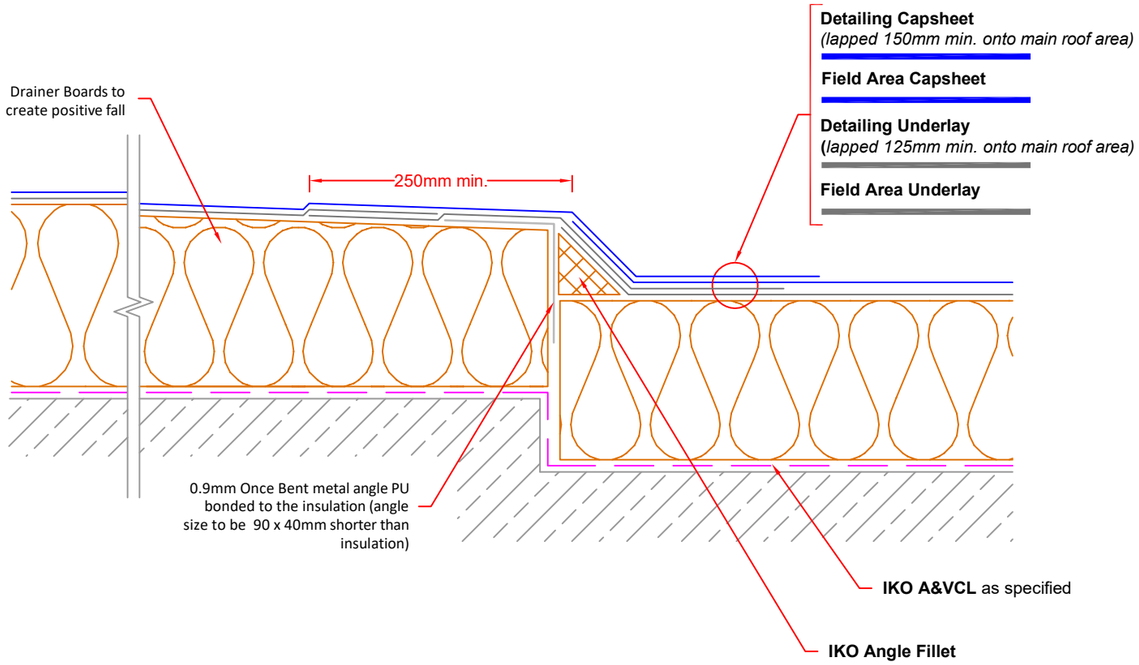


Option Two

For where site restrictions does not allow the use of insulated hard edges.

Formation of the step detail does not allow for isolations of the lower area from the upper area, unless day joints are formed.

Drainer boards / Tapered insulation to be used to provide positive falls to the leading edge to prevent the lap build up holding water.



STEP DETAIL

Apply **IKO INSULATED HARD EDGE** or treated insulation stop batten to the top edge of the upper level (100mm wide & 10mm thinner than insulation thickness, so as to prevent lap build up) being mechanically fixed to the roof deck, to provide a hard edge to all steps.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed substrate as indicated.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded to the detail as indicated. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

NOTES:
Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: STEP - CHANGE IN LEVEL

DWG NO: G2

DATE: February 2024

NOTES/REVISIONS: N/A

SCALE: NTS

DRAWN BY: IKO

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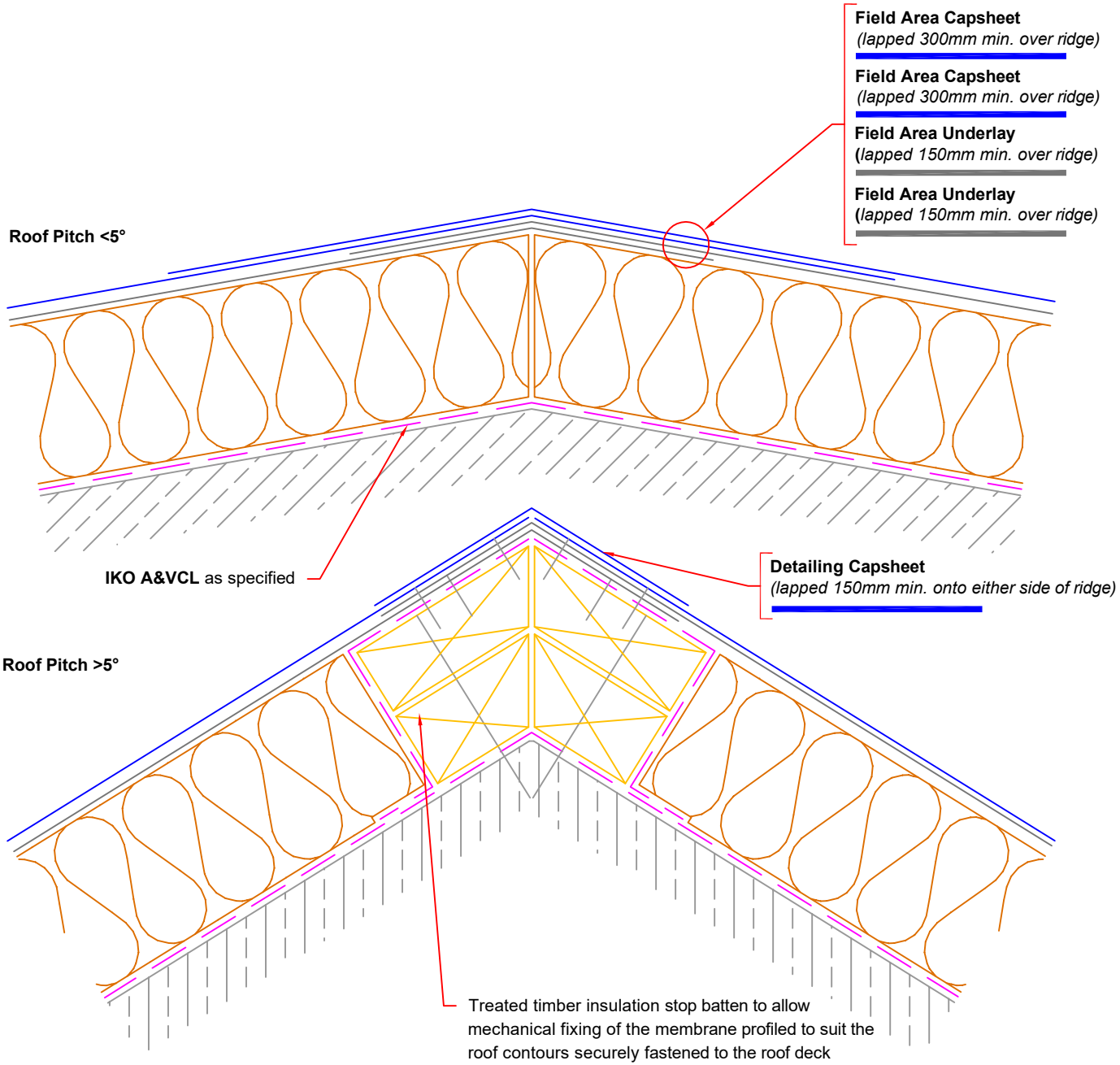

RIDGE DETAIL

Roof Pitch <5 °

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO VAPOUR CONTROL LAYER** to the primed substrate dressing over the ridge as indicated.

Apply the specified **IKO ENERTHERM INSULATION** profiled to suit the roof contours to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Apply the specified Field Area Underlay fully bonded to the detail, dressed and lapped over the ridge by minimum 150mm as indicated.

Apply the specified Field Area Capsheet fully bonded to the detail, dressed and lapped over the ridge by minimum 300mm as indicated.

Roof Pitch >5°

Apply treated timber stop batten (minimum 100mm x insulation thickness) profiled to suit the roof contours mechanically fixed to the roof deck to either sides of the ridge.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed substrate & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Apply the specified Field Area Underlay fully bonded to the detail, dressed and lapped over the ridge by minimum 150mm as indicated.

Apply the specified Field Area Capsheet fully bonded to the detail. Provide mechanical attachment of the Capsheet at the ridge through to the provided timber stop batten as indicated. Where the roof slopes at 5° or more additional insulation stops for anchoring the Capsheet against slippage may be required, at intervals according to the slope - see specification.

Apply the specified Detailing Capsheet as a separate ridge capping to cover the mechanical fixings, fully bonded and dressed a minimum of 150mm to either side of the ridge.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: RIDGE DETAIL		**DWG NO:** G3	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

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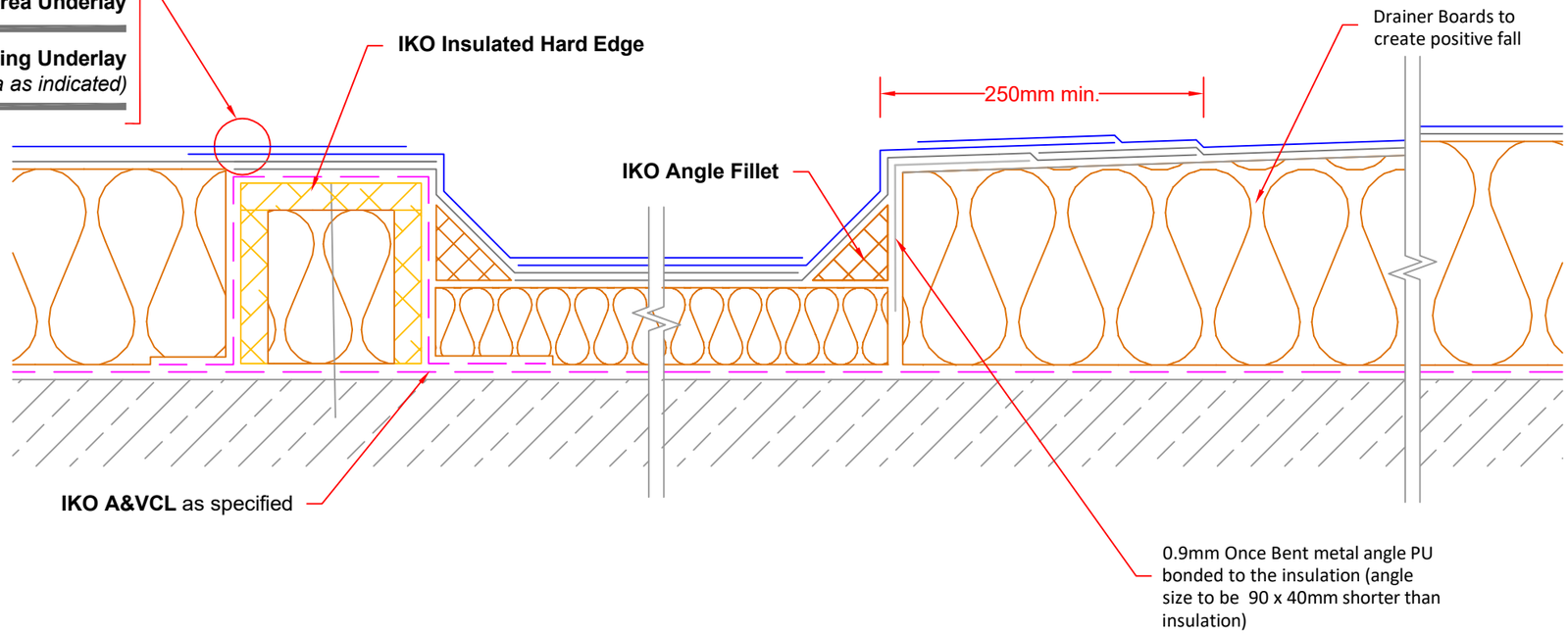
Option One

Field Area Capsheet

Detailing Capsheet
(lapped onto main roof area as indicated)

Field Area Underlay

Detailing Underlay
(*lapped onto main roof area as indicated)*



Option Two

For where site restrictions does not allow the use of insulated hard edges.

Formation of the gutter does not allow for isolations of the gutter from the main roof area, unless day joints are formed to isolate the gutter.

Drainer boards / Tapered insulation to be used to provide positive falls to the leading edge to prevent the lap build up holding water.

INTERNAL GUTTER - Gutter within Insulation

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed substrate as indicated.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, including a thinner insulation than the main roof area to form the internal gutter as indicated, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** as indicated.

Apply the specified waterproofing detailing fully bonded to the full width and length of the gutter as indicated.

Apply a sacrificial layer of Cap Sheet to run the length of the sole of the gutter to reduce lap build up (not shown).

NOTES:
Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

All internal gutter must be formed to create a fall to the rainwater outlet. These must be free flowing and designed and installed to provide a finished fall of 1:80 in line with both BS6229 and IKO recommendations. Any internal gutter using existing falls that are inadequate and do not meet these minimum requirements will be subject to regular maintenance and any arising defect will not be covered by the IKO guarantee.
Flat gutter on flat deck are not deemed acceptable.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE:
INTERNAL GUTTER - Gutter within Insulation

DWG NO:
G4

DATE:
February 2024

NOTES/REVISIONS:
N/A

SCALE:
NTS

DRAWN BY:
IKO

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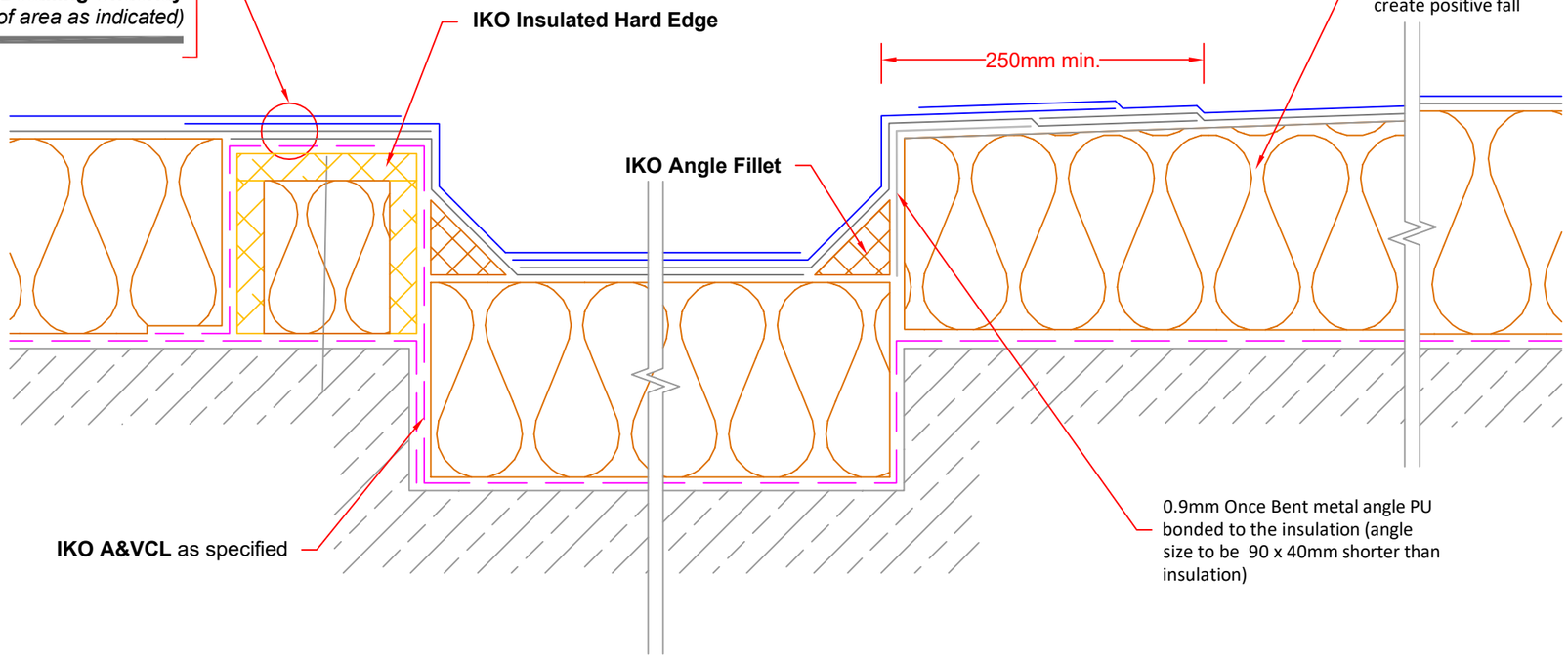
Option One

Field Area Capsheet

Detailing Capsheet
(lapped onto main roof area as indicated)

Field Area Underlay

Detailing Underlay
(*lapped onto main roof area as indicated)*



Option Two

For where site restrictions does not allow the use of insulated hard edges.

Formation of the gutter does not allow for isolations of the gutter from the main roof area, unless day joints are formed to isolate the gutter.

Drainer boards / Tapered insulation to be used to provide positive falls to the leading edge to prevent the lap build up holding water.

INTERNAL GUTTER - Gutter within Deck

Apply **IKO INSULATED HARD EDGE** or treated timber stop battens throughout the full length to the top edges of the gutter (100mm wide & 10mm thinner than the insulation, so as to prevent lap build up) mechanically fixed or adhered in **IKO PU ADHESIVE** to the roof deck, to provide a hard edge to all gutter steps.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed substrate & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, including to the gutter, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** as indicated.

Apply the specified waterproofing detailing fully bonded to the full width and length of the gutter as indicated.

Apply a sacrificial layer of Cap Sheet to run the length of the sole of the gutter to reduce lap build up (not shown).

NOTES:
Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

All internal gutter must be formed to create a fall to the rainwater outlet. These must be free flowing and designed and installed to provide a finished fall of 1:80 in line with both BS6229 and IKO recommendations. Any internal gutter using existing falls that are inadequate and do not meet these minimum requirements will be subject to regular maintenance and any arising defect will not be covered by the IKO guarantee. Flat gutter on flat deck are not deemed acceptable.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: INTERNAL GUTTER - Gutter within Deck

DWG NO: G5

DATE: February 2024

NOTES/REVISIONS: N/A

SCALE: NTS

DRAWN BY: IKO

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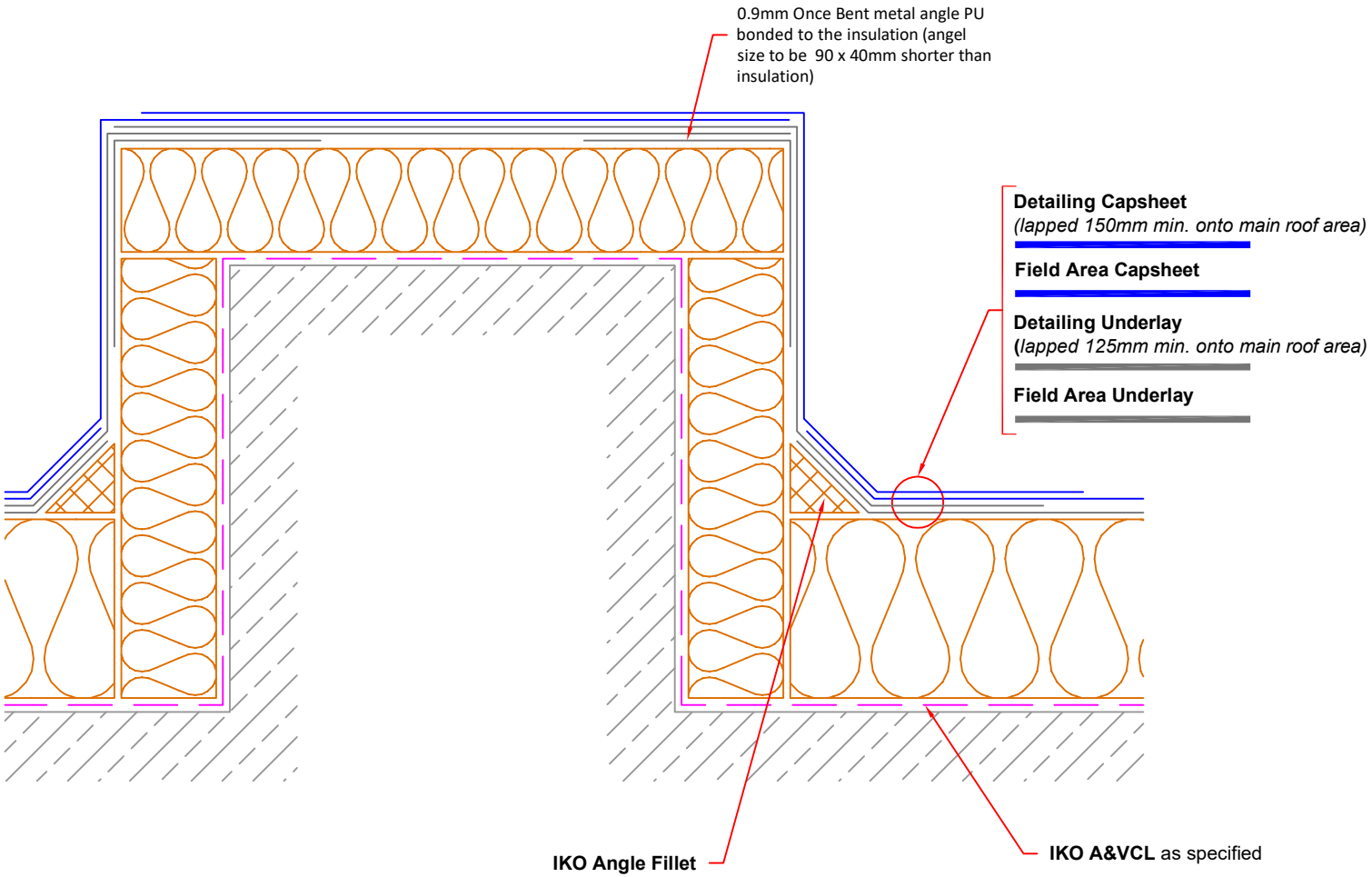

PLINTH DETAIL - Warm

Remove any existing plant & machinery to allow necessary roofing works. Reinstate plant upon completion of the roofing works as necessary.

Inspect & carry out any necessary maintenance work to the plinth (maintenance to concrete should be carried out by a specialist contractor).

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed substrate & dressed to all surfaces of the plinth as indicated.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, including to both horizontal and vertical surfaces of the plinth, to be bonded as per IKO Specification Proposal.

Apply once bent metal angles minimum 150mm x 150mm, bonded in 2 Part PU Adhesive to protect the exposed corners of the insulation**.**

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded to the vertical and horizontal surfaces of the plinth. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm.

Email: technical.uk@iko.com

STANDARD DETAIL

Drawing Title: PLINTH DETAIL - Warm		**Dwg No:** H1	
Date: February 2024	**Notes/Revisions:** N/A	**Scale:** NTS	**Drawn By:** IKO

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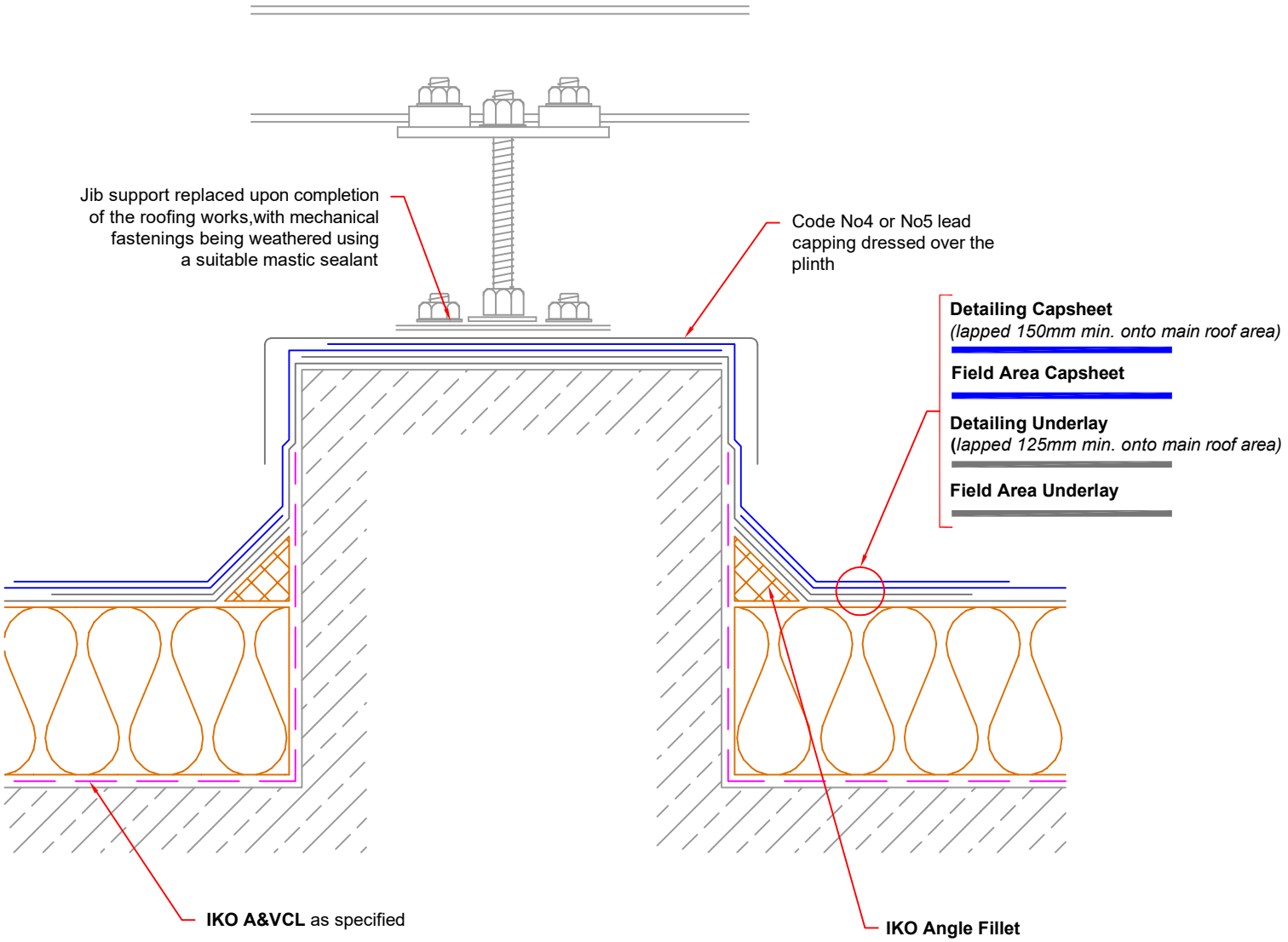

PLINTH DETAIL - Cold (Plant Support)

Remove any existing plant & machinery to allow necessary roofing works. Reinstate plant upon completion of the roofing works as necessary.

Inspect & carry out any necessary maintenance work to the plinth (maintenance to concrete should be carried out by a specialist contractor).

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded to the vertical and horizontal surfaces of the plinth. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

Fix Code 4 lead flashing over the plinth, prior to application of plant. Fixings should be weathered using suitable mastic sealant.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm.

Email: technical.uk@iko.com

STANDARD DETAIL

Drawing Title: PLINTH DETAIL - Cold (Plant Support)		**Dwg No:** H2		
Date: February 2024	**Notes/Revisions:** N/A	**Scale:** NTS	**Drawn By:** IKO	

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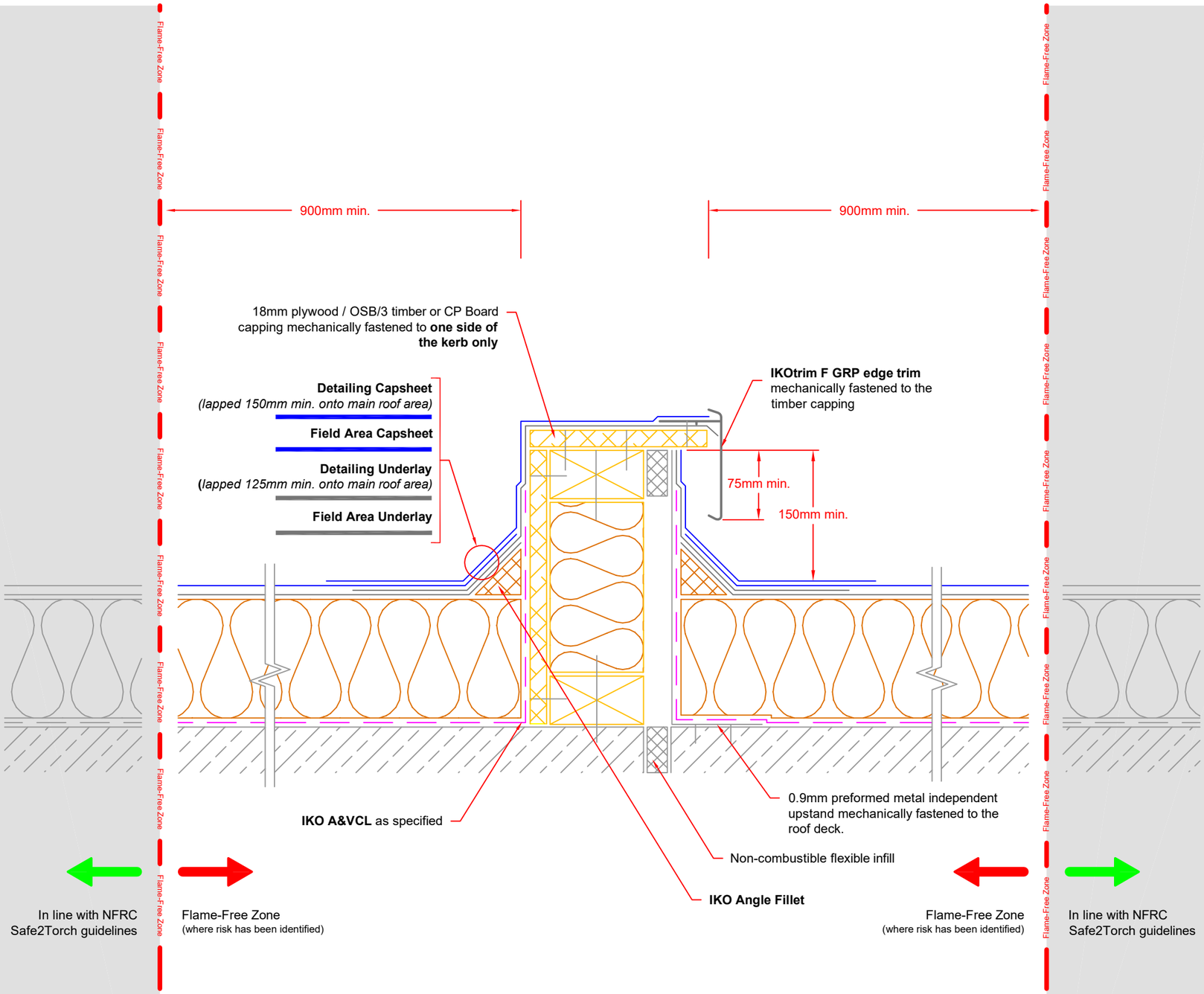

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of application in relation to Building Regulations Approved Document B prior to works.

EXPANSION KERB - Metal Upstand

Remove the existing capping & all associated components as necessary.

Inspect & carry out any necessary maintenance work to any existing kerbs.

Provide or raise the upstand kerb as necessary with timber sections of appropriate dimensions to achieve a minimum 150mm upstand height from the finished roof level as indicated.

To the other side of the expansion detail, apply a 0.9mm preformed metal independent upstand which should extend a minimum 150mm above the finished roof level, mechanically fastened the structural roof deck as indicated.

The expansion gap between the upstand kerb and preformed metal upstand should be filled with a compressible sealant.

Apply an 18mm Plywood or OSB/3 timber capping, securely fastened to the upstand kerb and extending over the edge of the preformed metal upstand to allow for the application of an **IKOTRIM F** edge trim.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded to the vertical and horizontal surfaces of the detail, lapped and fully sealed onto the main area as indicated. The Detailing Underlay should be finished so as to drape over the outer edge as shown.

Apply **IKOTRIM F** edge trim, mechanically fastened to the timber capping at maximum 300mm staggered centres (150mm maximum for areas of high wind uplift) and sandwiched between waterproofing layers as indicated. Apply Detailing Capsheet fully bonded to the vertical and horizontal surfaces of the detail, dressed into the channel of the **IKOTRIM F** edge trim, lapped and fully sealed onto the main roof area as indicated.

NOTES:
Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Where a risk is identified a minimum 900mm flame-free zone must be adopted as indicated. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

Cement Particle (CP) Boards to be used inline with SPRA, LRWA & NFRC Guidance.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm.

Email: technical.uk@iko.com

STANDARD DETAIL

Drawing Title: EXPANSION KERB - Metal Upstand			**Dwg No:** J1	
Date: February 2024	**Notes/Revisions:** N/A		**Scale:** NTS	**Drawn By:** IKO

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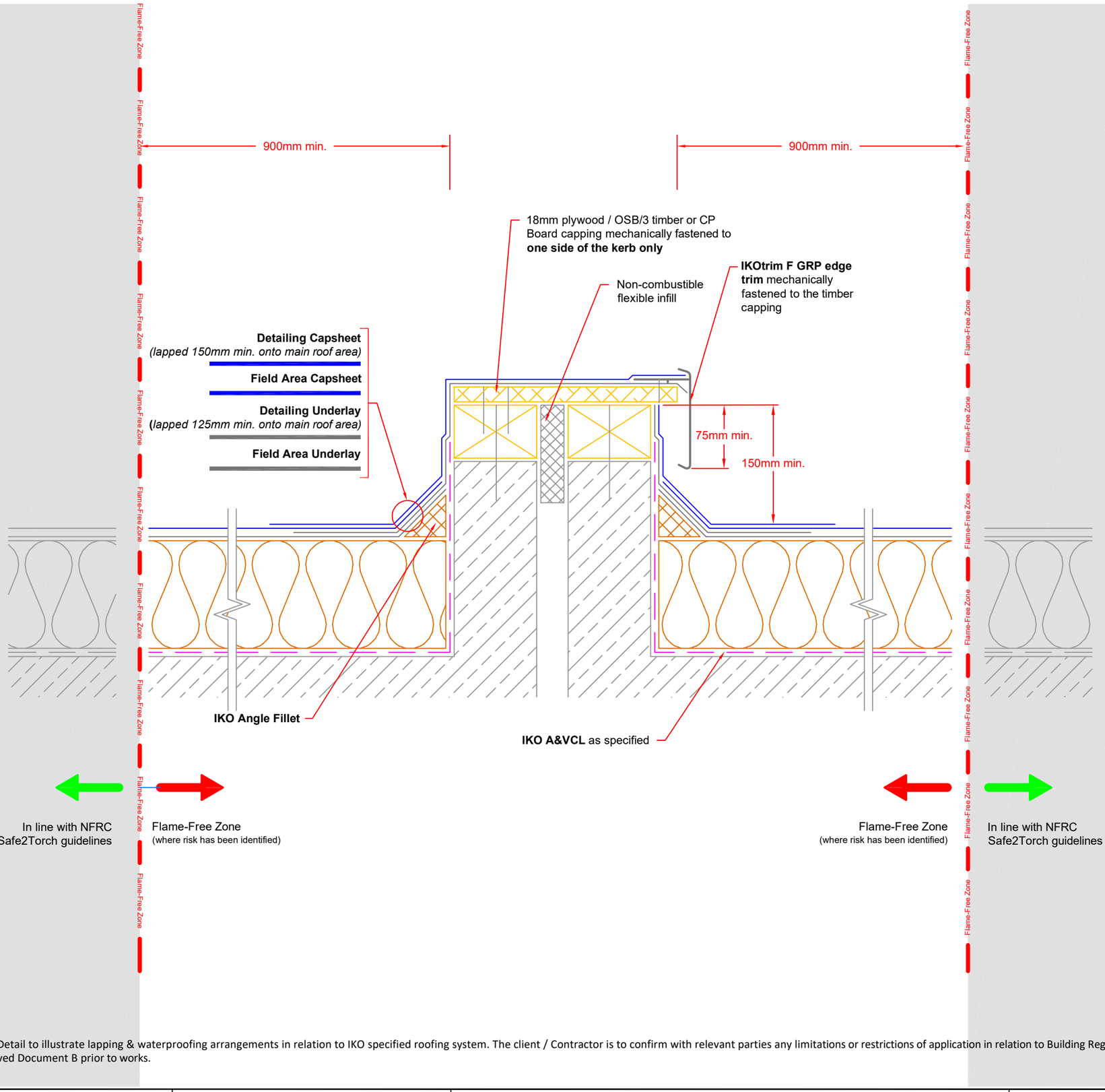

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of application in relation to Building Regulations Approved Document B prior to works.

EXPANSION KERB - Built Kerbs

Remove the existing capping & all associated components as necessary.

Inspect & carry out any necessary maintenance work to any existing kerbs.

Provide or raise the upstand kerbs as necessary with timber sections of appropriate dimensions to achieve a minimum 150mm upstand height from the finished roof level as indicated.

The expansion gap between the upstand kerbs should be filled with a compressible sealant.

Apply an 18mm Plywood or OSB/3 timber capping, securely fastened to one of the kerbs only extending over the other kerb to allow for the application of an **IKOTRIM F L** edge trim.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded to the vertical and horizontal surfaces of the detail, lapped and fully sealed onto the main area as indicated. The Detailing Underlay should be finished so as to drape over the outer edge as shown.

Apply **IKOTRIM F** edge trim, mechanically fastened to the timber capping at maximum 300mm staggered centres (150mm maximum for areas of high wind uplift) and sandwiched between waterproofing layers as indicated. Apply Detailing Capsheet fully bonded to the vertical and horizontal surfaces of the detail, dressed into the channel of the **IKOTRIM F** edge trim, lapped and fully sealed onto the main roof area as indicated.

NOTES:
Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Where a risk is identified a minimum 900mm flame-free zone must be adopted as indicated. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm.

Email: technical.uk@iko.com

STANDARD DETAIL

Drawing Title: EXPANSION KERB - Built Kerbs			**Dwg No:** J2	
Date: February 2024	**Notes/Revisions:** N/A		**Scale:** NTS	**Drawn By:** IKO

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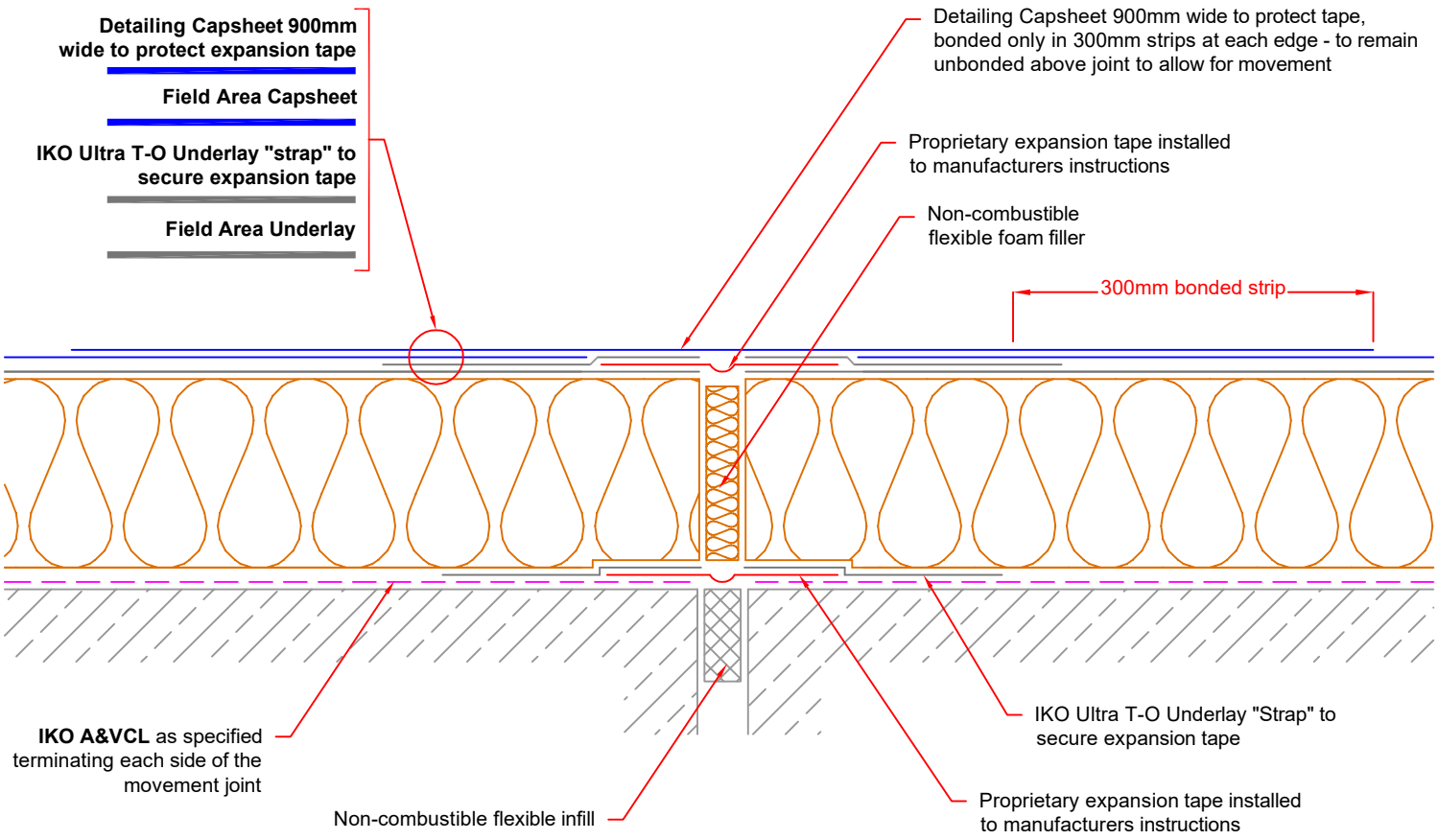

MOVEMENT JOINT - Expansion Tape

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the roof area as outlined in the specification, stopping at the edge of the movement joint.

Install the proprietary expansion tape over the joint in strict accordance with the manufacturer's instructions, securing the tape to the Air & Vapour Control Layer using straps of **IKO Ultra T-O Underlay** as indicated.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer without bridging over the movement joint, to be bonded as per IKO Specification Proposal. The gap above the movement joint is to be filled with a flexible foam filler to allow for movement.

Apply the specified field area Underlay as per the specification without bridging the movement joint.

Install the proprietary expansion tape over the joint in strict accordance with the manufacturer's instructions, securing the tape to the field area Underlay using straps of **IKO Ultra T-O Underlay** as indicated.

Apply the field area capsheet without bridging over the joint as indicated followed by a 900mm wide strip of detailing capsheet over the movement joint to protect the tape. The strip of capsheet should be sealed only at the edges as indicated and remain unbonded over the movement joint to allow for movement.

NOTES:
Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of application in relation to Building Regulations Approved Document B prior to works.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: MOVEMENT JOINT - Expansion Tape		**DWG NO:** J3	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

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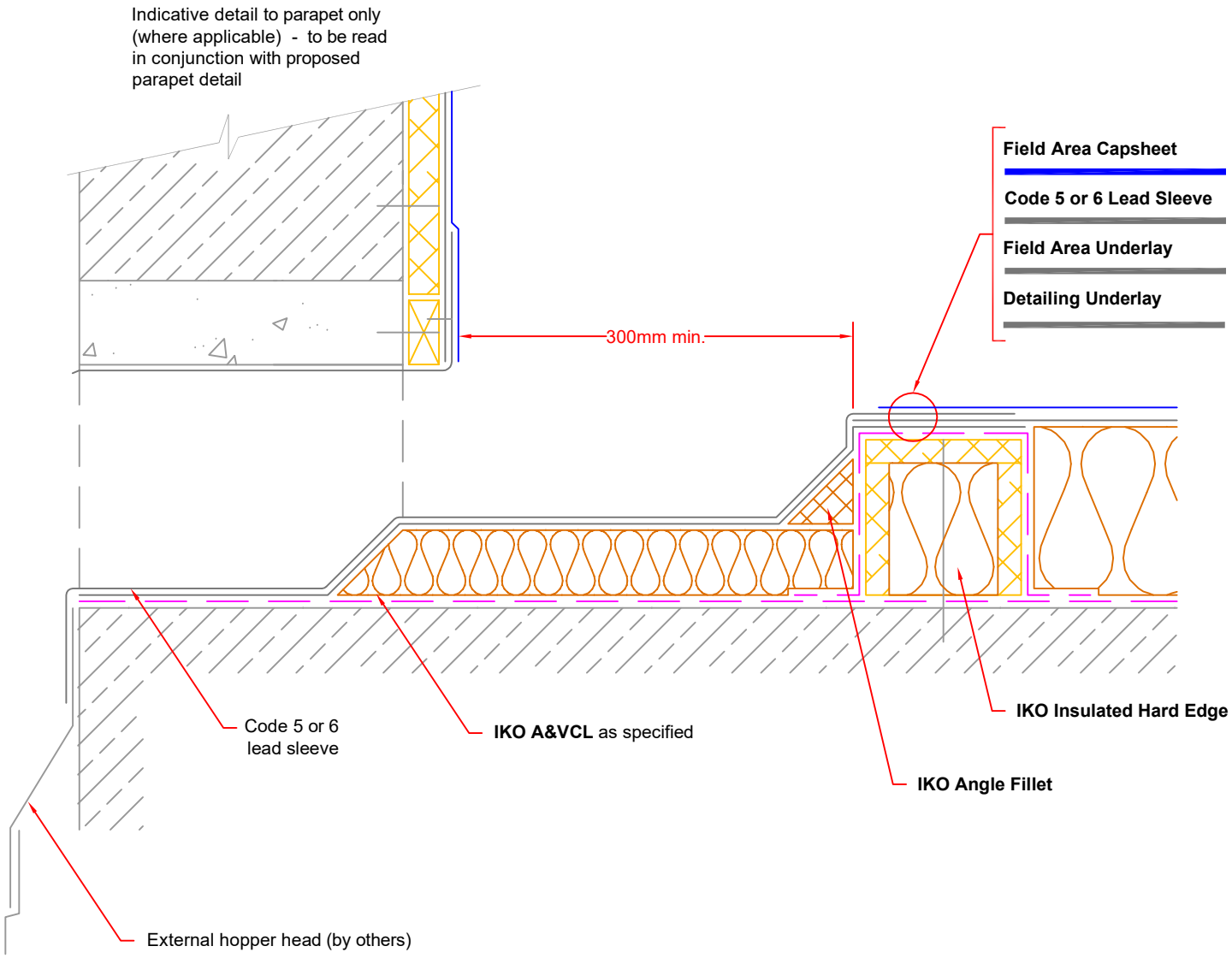

DRAINAGE CHUTE

Inspect & carry out any maintenance work as necessary & thoroughly clean all surfaces. Enlarge openings as necessary to ensure the opening is not restricted by the application of the new waterproofing system and insulation. It maybe necessary to box out the base and/or cheeks of the drainage chute opening with suitable 18mm OSB/3 or plywood. Any cavity or cavity tray must be closed off or redirected as required.

Apply **IKO INSULATED HARD EDGE** or treated timber stop batten (100mm wide & 10mm thinner than the insulation, so as to prevent lap build up) to create a minimum 300mm sump around the drainage chute mechanically fastened, or adhered in **IKO PU ADHESIVE** to the roof deck.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed substrate & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded and dressed to link with the Air & Vapour Control Layer as indicated.

Apply a Code 5 or 6 lead sleeve through the parapet/kerb. Lead sleeves are to be installed & detailed in accordance with the Lead Sheet Association recommendations. Prime the flange of the new lead sleeve with the specified primer.

Apply the specified Field Area Capsheet fully bonded and sealed onto the flange of the new lead sleeve as indicated.

NOTES:
Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: DRAINAGE CHUTE		**DWG NO:** K1	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

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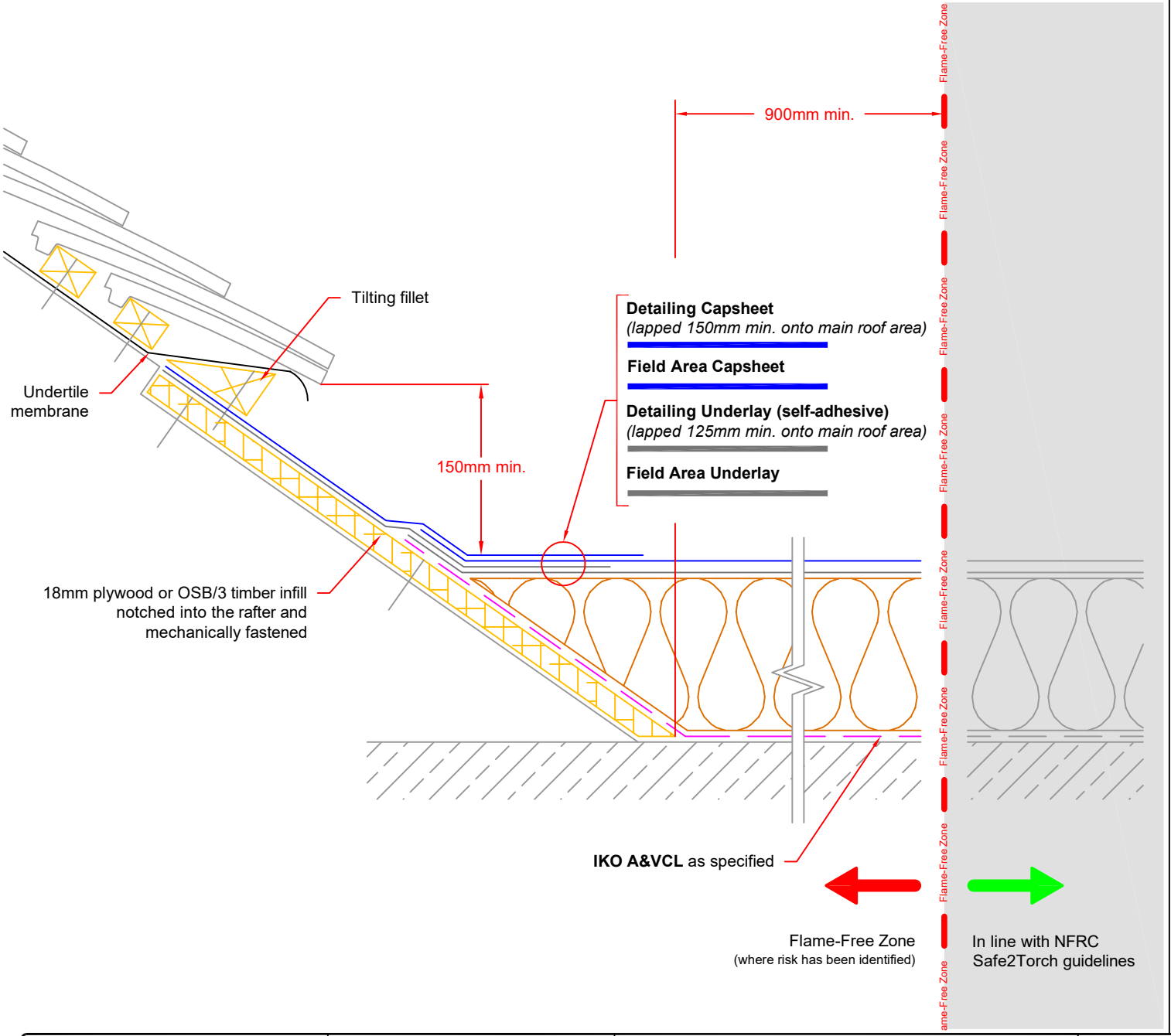

PITCHED ROOF ABUTMENT

Remove sufficient rows of tiles/slates and battens and turn back the undertile membrane.

Apply an 18mm Plywood or OSB/3 timber infill to the bottom of the pitched roof, notched into & mechanically fastened to the rafters of sufficient dimensions to achieve a minimum 150mm vertical height waterproofing upstand above the finished roof level.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed substrate & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Apply the specified waterproofing detailing fully bonded to the detail. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

On completion of the detailing works provide a tilting fillet beneath the bottom tile as indicated and re-dress the undertile membrane and re-fix tiling battens and tiles/slates. to provide 75mm minimum cover to the new waterproofing.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Where a risk is identified a minimum 900mm flame-free zone must be adopted as indicated. Self-adhesive membranes must be used direct to potentially combustible substrates.

Completed waterproofing upstand details should always be installed so as to achieve a height of 150mm minimum above the finished roof level.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: PITCHED ROOF ABUTMENT		**DWG NO:** L1	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

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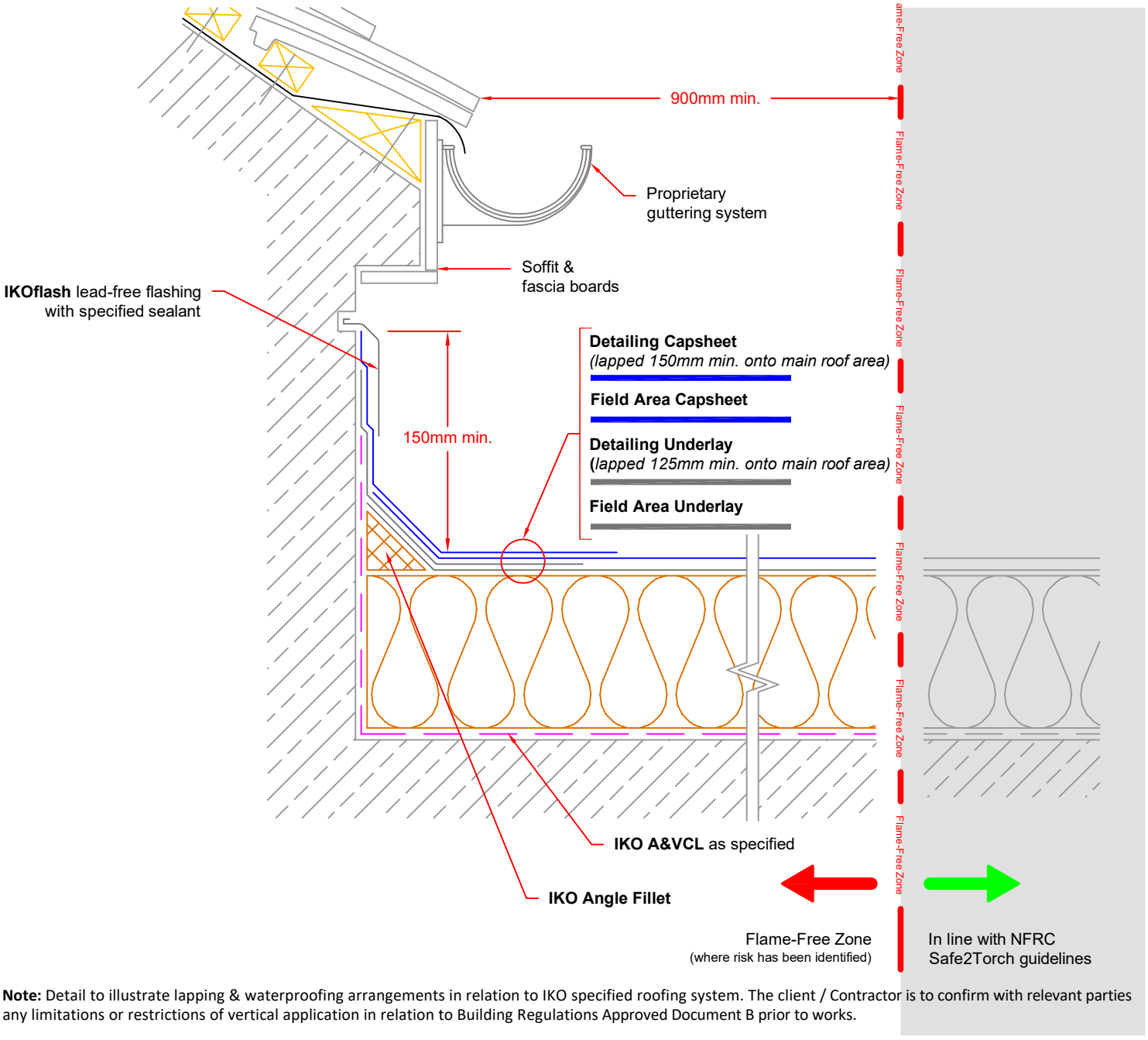

PITCHED ROOF ABUTMENT - Upstand to Eaves

Carefully rake/cut out the joint to a depth of not less than 25mm, at a height of 150mm minimum above the finished waterproofing surface. The chase should be below the level of any DPC or cavity tray.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed upstand & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Provide 50mm x 50mm specified **IKO ANGLE FILLETS** to the junction of all horizontal & vertical abutments

Apply the specified waterproofing detailing fully bonded to the upstand. Detailing Underlay and Capsheet must be lapped and fully sealed onto the main area as indicated.

Provide **IKOFLASH LEAD FREE FLASHING** to the provided chase lengths not exceeding 1.5m ensuring end laps are not less than 100mm & that a minimum cover of 75mm is provided to the upstand.

The chase should then be pointed with a one or two part polysulphide sealant or IKO specified Sealant.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Where a risk is identified a minimum 900mm flame-free zone must be adopted as indicated. Self-adhesive membranes must be used direct to potentially combustible substrates.

Completed waterproofing upstand details should always be installed so as to achieve a height of 150mm minimum above the finished roof level.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as seperate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Additional mechanical fixing through the membrane at the top edge to resist slippage will be required on vertical details >250mm.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

Email: technical.uk@iko.com

STANDARD DETAIL

DRAWING TITLE: PITCHED ROOF ABUTMENT- Upstand to Eaves		**DWG NO:** L2	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

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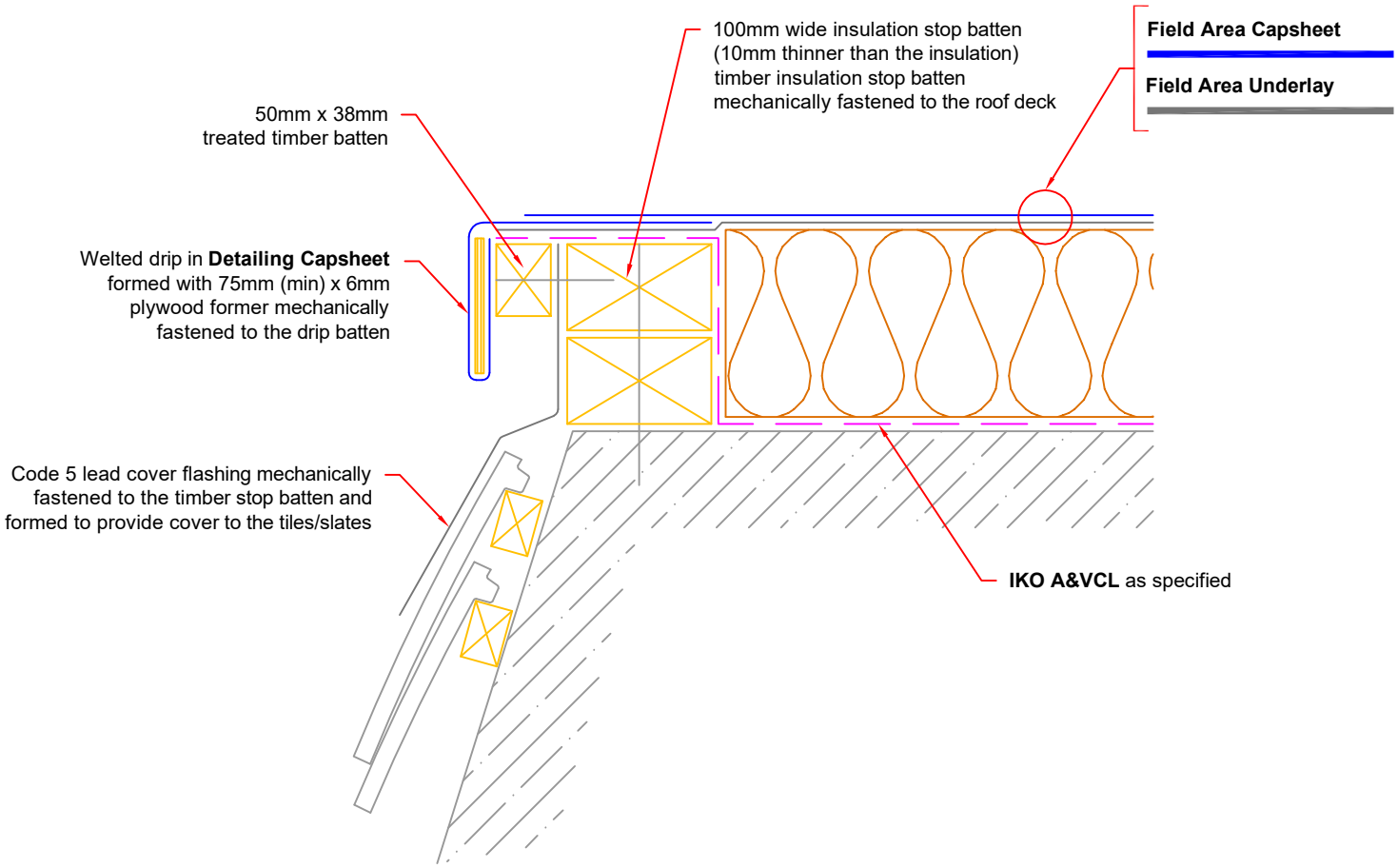

MANSARD DETAIL - Drip Edge

Apply treated timber stop batten (100mm wide & 10mm thinner than the insulation, so as to prevent lap build up) mechanically fastened to the roof deck to provide a hard edge to all perimeters. Perimeter timbers must be fixed at maximum 300mm centres (150mm maximum for areas of high wind uplift) using suitable fixings into a structurally sound substrate.

Apply a code No.5 lead flashing mechanically fastened to the insulation stop batten and formed so as to provide cover to the tiles/slates. Lead flashing detail must be formed in accordance with BS EN 12588 & the Lead Sheet Association recommendations in lengths not exceeding 1500mm, copper clips or equivalent should be used at equal centres along exposed edges to suit exposure.

Apply & securely fix a 50mm x 38mm minimum treated timber batten.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed substrate & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Apply the specified Field Area Underlay fully bonded and dressed to link with the Air & Vapour Control Layer as indicated.

Install felt drips using 75mm (minimum) x 6mm plywood drip former, mechanically fastened to the treated welted drip batten. Form welted drip in the specified Capsheet to outer edge, lapped and fully sealed onto the main area as indicated. Apply Field Area Capsheet.

NOTES:
Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

Email: technical.uk@iko.com

STANDARD DETAIL

Drawing Title: MANSARD DETAIL - Drip Edge		**Dwg No:** L3	
Date: February 2024	**Notes/Revisions:** N/A	**Scale:** NTS	**Drawn By:** IKO

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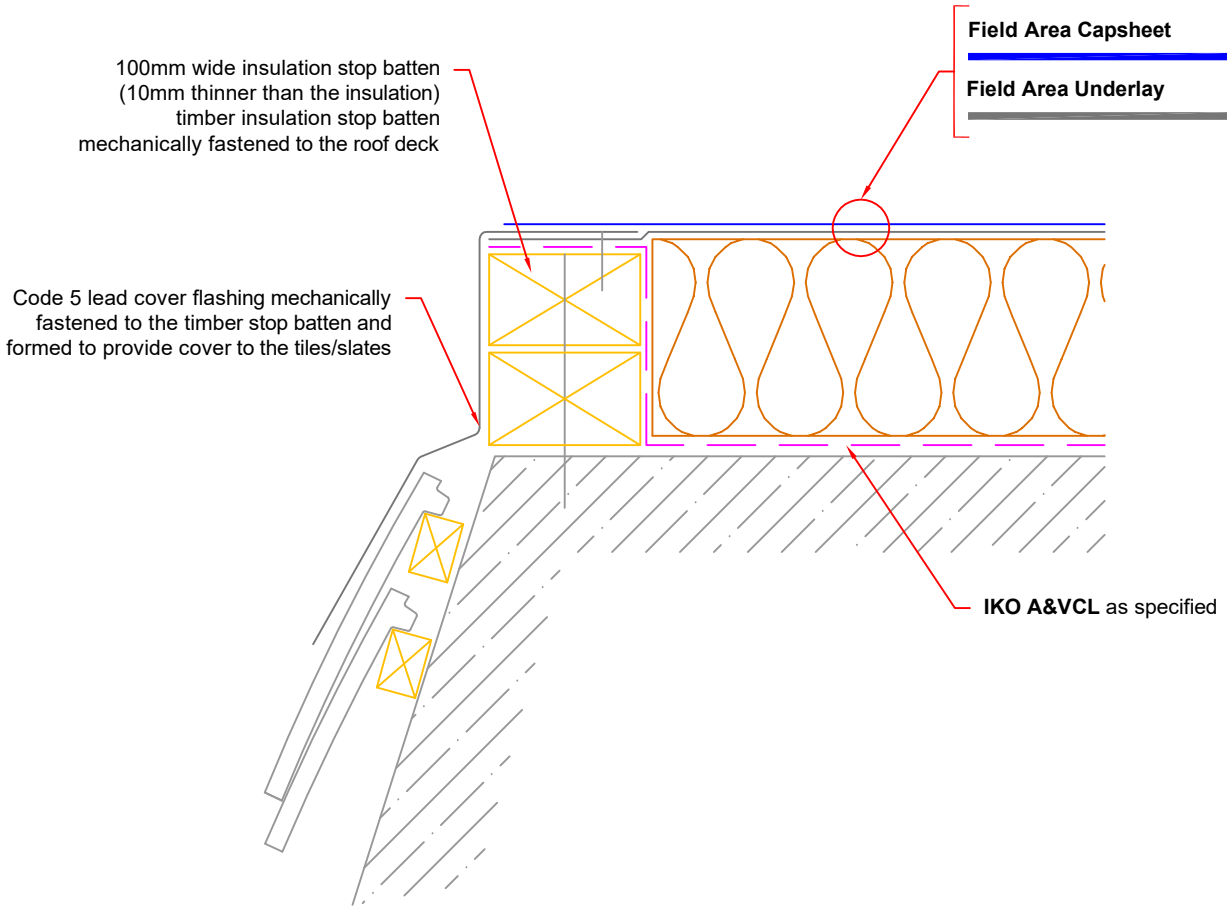

MANSARD DETAIL - Lead Flashing

Apply treated timber stop batten (100mm wide & 10mm thinner than the insulation, so as to prevent lap build up) mechanically fastened to the roof deck to provide a hard edge to all perimeters. Perimeter timbers must be fixed at maximum 300mm centres (150mm maximum for areas of high wind uplift) using suitable fixings into a structurally sound substrate.

Apply sufficient coats of the specified **IKO PRIMER** to the detail.

Apply the specified **IKO AIR & VAPOUR CONTROL LAYER** to the primed substrate & dressed to link with the Underlay by 50mm minimum.

Apply the specified **IKO ENERTHERM INSULATION** to the Air & Vapour Control Layer, to be bonded as per IKO Specification Proposal.

Apply the specified Field Area Underlay fully bonded and dressed to link with the Air & Vapour Control Layer as indicated.

Apply a code No.5 lead flashing mechanically fastened to the insulation stop batten and formed so as to provide cover to the tiles/slates. Lead flashing detail must be formed in accordance with BS EN 12588 & the Lead Sheet Association recommendations in lengths not exceeding 1500mm, copper clips or equivalent should be used at equal centres along exposed edges to suit exposure. Prime the edge of the lead flashing to which the waterproofing system is to be bonded with the specified primer.

Apply the specified Field Area Capsheet fully bonded and sealed onto the edge of the lead flashing as indicated.

NOTES:

Detail to be completed with due regard to compliance with the NFRC Safe2Torch guidance for the safe installation of torch-on reinforced bitumen membranes and the client/contractor risk assessment for the works using appropriate materials and application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.

All details to be installed in accordance with BS8217, BS6229, and IKO recommendations.

All waterproofing detailing must be undertaken as two layers and as separate items.

All surfaces must be clean, dry, and suitably prepared to accept the waterproofing system.

During the application of all bitumen membranes a visible bead of bitumen must be exuded from all side and end laps.

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STANDARD DETAIL

DRAWING TITLE: MANSARD DETAIL - Lead Flashing		**DWG NO:** L4	
DATE: February 2024	**NOTES/REVISIONS:** N/A	**SCALE:** NTS	**DRAWN BY:** IKO

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