

STANDARD DETAIL	DRAWING TITLE: PARAPET - Concrete Copings - with indicative	DRAWING TITLE: PARAPET - Concrete Copings - with indicative Green Roof		Dwg No: Q-A1	
		DATE: February 2024	Notes/Revisions: N/A	Scale: NTS	DRAWN BY: IKO Technical Services
Email: technical.uk@iko.com					

PARAPET - Concrete Copings - with indicative Green Roof

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 OSB/3, plywood or CP board panel 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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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 - Insulated - wit	DRAWING TITLE: PARAPET - Concrete Copings - Insulated - with indicative Green Roof		Dwg No: Q-A2	
		DATE: February 2024	Notes/Revisions: N/A	Scale: NTS	DRAWN BY: IKO Technical Services
Email: technical.uk@iko.com					

PARAPET - Concrete Copings - Insulated - with indicative Green Roof

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 OSB/3, plywood or CP board panel 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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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 - GRP trimwith indicative Green Roof		Dwg No: Q-A3		
	DATE: February 2024	Notes/Revisions: N/A	Scale: NTS	DRAWN BY: IKO Technical Services	
Email: technical.uk@iko.com					

PARAPET - GRP trim - with indicative Green Roof

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 OSB/3, plywood or CP board panel 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 OSB/3, plywood or CP board panel to the vertical face of the parapet secured by mechanical fixinas

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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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 - Insulated - with indica	DRAWING TITLE: PARAPET - GRP trim - Insulated - with indicative Green Roof		Dwg No: Q-A4	
	DATE: February 2024	Notes/Revisions: N/A	Scale: NTS	DRAWN BY: IKO Technical Services	
Email: technical.uk@iko.com					

PARAPET - GRP trim - Insulated - with indicative Green Roof

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 OSB/3, plywood or CP board panel 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 OSB/3, plywood or CP board panel 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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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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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.

STANDARD DETAIL	DRAWING TITLE: PARAPET - Welted Drip - with indicative Gree	DRAWING TITLE: PARAPET - Welted Drip - with indicative Green Roof		Dwg No: Q-A5	
	DATE: February 2024	Notes/Revisions: N/A	Scale: NTS	DRAWN BY: IKO Technical Services	
Email: technical.uk@iko.com					

PARAPET - Welted Drip - with indicative Green Roof

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 necessarv.

Apply an 18mm OSB/3 or plywood panel 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 OSB/3 or plywood panel 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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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 - with ind	DRAWING TITLE: PARAPET - Welted Drip - Insulated - with indicative Green Roof		Dwg No: Q-A6	
	DATE: February 2024	NOTES/REVISIONS: N/A	Scale: NTS	DRAWN BY: IKO Technical Services	
Email: technical.uk@iko.com					

PARAPET - Welted Drip - Insulated - with indicative Green Roof

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 OSB/3 or plywood panel 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 OSB/3 or plywood panel 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 abutment

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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any uarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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, drv, 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 - Proprietary Capping - with indicative Green Roof		Dwg No: Q-A7		
		DATE: February 2024	Notes/Revisions: N/A	Scale: NTS	DRAWN BY: IKO Technical Services
Email: technical.uk@iko.com					

PARAPET - Proprietary Capping - with indicative Green Roof

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 OSB/3, plywood or CP board panel, 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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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:	DRAWING TITLE:		Dwg No:	
	PARAPET - Proprietary Capping -	PARAPET - Proprietary Capping - Insulated - with indicative Green Roof		Q-A8	
Email: technical.uk@iko.com		DATE: February 2024	Notes/Revisions: N/A	Scale: NTS	DRAWN BY: IKO Technical Services

PARAPET - Proprietary Capping - Insulated - with indicative Green Roof

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 OSB/3, plywood or CP board panel, 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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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	STANDARD DETAIL	DRAWING TITLE: PARAPET - Encapsulate Copings - Batten & Panel - with indicative Green Roof		Dwg No: Q-A9	
		DATE: February 2024	Notes/Revisions:	Scale: NTS	DRAWN BY: IKO Technical Services
Email: technical.uk@iko.com					

PARAPET - Encapsulate Copings - Batten & Panel - with indicative Green Roof

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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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 - Encapsulate Copings - Insulation Infill - with indicative Green Roof		Dwg No: Q-A10		
	DATE: February 2024	Notes/Revisions: N/A	Scale: NTS	DRAWN BY: IKO Technical Services	
Email: technical.uk@iko.com		, -			

PARAPET - Encapsulate Copings - Insulation Infill - with indicative Green Roof

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 OSB/3, plywood or CP board 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, 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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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).

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STANDARD DETAIL	DRAWING TITLE: UPSTAND - Cover Flashing - with i	DRAWING TITLE: UPSTAND - Cover Flashing - with indicative Green Roof		Dwg No: Q-B1	
	DATE: February 2024	Notes/Revisions: N/A	Scale: NTS	DRAWN BY: IKO Technical Services	

UPSTAND - Cover Flashing - with indicative Green Roof

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 with specified IKO sealant.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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.

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STANDARD DETAIL	DRAWING TITLE: UPSTAND - Cover Flashing - Insulated Upstand - with indicative Green Roof		Dwg No: Q-B2		
	DATE: February 2024	Notes/Revisions: N/A	Scale: NTS	DRAWN BY: IKO Technical Services	
Email: technical.uk@iko.com		,			-

UPSTAND - Cover Flashing - Insulated Upstand - with indicative Green Roof

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 with specified IKO sealant.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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.

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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.

STANDARD DETAIL	DRAWING TITLE: UPSTAND - Termination Bar - with	DRAWING TITLE: UPSTAND - Termination Bar - with indicative Green Roof		Dwg No: Q-B3	
	DATE: February 2024	Notes/Revisions: N/A	Scale: NTS	DRAWN BY: IKO Technical Services	
Email: technical.uk@iko.com					

UPSTAND - Termination Bar - with indicative Green Roof

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 **IKO STICKALL MASTIC SEALANT** to the top edge of the termination bar to provide a seal.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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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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.

STANDARD DETAIL	DRAWING TITLE: UPSTAND - Termination Bar - Insulated Upstand - with indicative Green Roof		Dwg No: Q-B4		
Email: technical.uk@iko.com	Email: technical.uk@iko.com	DATE: February 2024	Notes/Revisions: N/A	Scale: NTS	DRAWN BY: IKO Technical Services

UPSTAND -	Termination Ba	r - Insulated	Unstand - with	indicative	Green Roof
OI OI AND		- mountieu	opstanta - with	maioauvo	01001110001

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 bead of IKO STICKALL MASTIC SEALANT to the top edge of the termination bar to provide a seal.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

NOTES

This detail is only appropriate for upstands where it is not possible to cut 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 - SIII - with indicative Gre	een Roof	Dwg No: Q-B5	
	DATE: February 2024	Notes/Revisions: N/A	Scale: NTS	DRAWN BY: IKO Technical Services	
Email: technical.uk@iko.com					

UPSTAND - Sill - with indicative Green Roof

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 with specified IKO sealant.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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.

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STANDARD DETAIL	DRAWING TITLE: UPSTAND - Sill - Insulated Upstan	DRAWING TITLE: UPSTAND - Sill - Insulated Upstand - with indicative Green Roof		Dwg No: Q-B6	
	DATE: February 2024	Notes/Revisions: N/A	Scale: NTS	DRAWN BY: IKO Technical Services	
Email: technical.uk@iko.com					

UPSTAND - Sill - Insulated Upstand - with indicative Green Roof

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 with specified IKO sealant.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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.

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	STANDARD DETAIL	DRAWING TITLE: UPSTAND - Rendered - with indicative Green	Roof	Dwg No: Q-B8	
	DATE: February 2024	Notes/Revisions: N/A	Scale: NTS	DRAWN BY: IKO Technical Services	
Email: technical.uk@iko.com					

UPSTAND - Rendered - with indicative Green Roof

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 with specified IKO sealant.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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.

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	STANDARD DETAIL	DRAWING TITLE: UPSTAND - Rendered - Insulated Upstand - v	vith indicative Green Roof	Dwg No: Q-B9	
	DATE: February 2024	Notes/Revisions: N/A	Scale: NTS	DRAWN BY: IKO Technical Services	
Email: technical.uk@iko.com					

UPSTAND - Rendered - Insulated Upstand - with indicative Green Roof

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 with specified IKO sealant.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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.

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Date: Notes/Revisions: Scale: Drawn By: February 2024 N/A NTS IKO Technical Servential		STANDARD DETAIL	DRAWING TITLE: UPSTAND - Cladding - with indicative Green I	Roof	Dwg No: Q-B10	
Email: technical.uk/@/ko.com	Email: technical uk@iko.com	DATE: February 2024	NOTES/REVISIONS: N/A	Scale: NTS	DRAWN BY: IKO Technical Services	

UPSTAND - Cladding - with indicative Green Roof

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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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.

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	STANDARD DETAIL	DRAWING TITLE: UPSTAND - Cladding - Insulated Upstand - w	ith indicative Green Roof	Dwg No: Q-B11	
	DATE: February 2024	Notes/Revisions:	Scale: NTS	DRAWN BY: IKO Technical Services	
Email: technical.uk@iko.com					

UPSTAND - Cladding - Insulated Upstand - with indicative Green Roof

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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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.

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		DRAWING TITLE: UPSTAND - Vertical Slates/Tiles - with indicat	ive Green Roof	Dwg No: Q-B12	
	DATE: February 2024	Notes/Revisions: N/A	Scale: NTS	DRAWN BY: IKO Technical Services	
Email: technical.uk@iko.com		,			

UPSTAND - Vertical Slates/Tiles - with indicative Green Roof

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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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.

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Email: technical uk@iko.com	DRAWING TITLE: UPSTAND - Vertical Slates/Tiles - Insulated Upstand with indicative Green Roof		Dwg No: Q-B13		
	DATE: February 2024	NOTES/REVISIONS: N/A	Scale: NTS	DRAWN BY: IKO Technical Services	

UPSTAND - Vertical Slates/Tiles - Insulated Upstand with indicative Green Roof

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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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.

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	STANDARD DETAIL	DRAWING TITLE: ROOFLIGHT - New Proprietary Kerb - IKO St	perlite -with indicative Green Roof	Dwg No: Q-B14	
	DATE: February 2024	NOTES/REVISIONS: N/A	Scale: NTS	DRAWN BY: IKO Technical Services	
Email: technical.uk@iko.com		-			

ROOFLIGHT - New Proprietary Kerb - IKO Superlite - with indicative Green Roof

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 <u>must</u> 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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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.

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	DRAWING TITLE: BUILT UP KERB -with indicative Green Roof		Dwg No: Q-B16	
	DATE: February 2024	Notes/Revisions: N/A	Scale: NTS	DRAWN BY: IKO Technical Services
Email: technical.uk@iko.com	-			

BUILT UP KERB - with indicative Green Roof

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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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.

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For where the outlet is to be installed at insulation level

the outlet to prevent the lap build up holding water.

Email: technical.uk@iko.com

February 2024 N/A NTS **IKO Technical Services** INTERNAL RWO - IKO Vertical Outlet - with indicative Green Roof 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 30mm 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 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 & extended 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

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed

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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INTERNAL RWO - IKO Two Way Outlet - with Inspection Chamber & Green Roof

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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Install preparatory Inspection Chamber to manufactures instructions.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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: INTERNAL RWO - IKO Refurbishment Outlet	- Felt Flange - with Green Roof	Dwg No: Q-D3	
		DATE: February 2024	Notes/Revisions: N/A	Scale: NTS	DRAWN BY: IKO Technical Services
Email: technical.uk@iko.com					

INTERNAL RWO - IKO Refurbishment Outlet - Felt Flange - with Green Roof

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 $\&\ \mbox{dispose of site}.$

To improve drainage, create a sump detail minimum 500mm x 500mm around the outlet position by installing a minimum 30mm 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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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: INTERNAL RWO - IKO Refurbishment Parape	et Outlet - with Green Roof	Dwg No: Q-D4	
DATE:	Notes/Revisions:	Scale:	DRAWN BY:
February 2024	N/A	NTS	IKO Technical Services

INTERNAL RWO - IKO Refurbishment Parapet Outlet - with Green Roof

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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Install preparatory Inspection Chamber to manufactures instructions.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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: PIPE PENETRATIONS - Hot Pipe - with Gree	n Roof	Dwg No: Q-F1	
		DATE: February 2024	Notes/Revisions: N/A	Scale: NTS	DRAWN BY: IKO Technical Services
Email: technical.uk@iko.com		-			

PIPE PENETRATIONS - Hot Pipe - with Green Roof

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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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: PIPE PENETRATIONS - Cold Pipe - Lead Sle	eve - with Green Roof	Dwg No: Q-F2	
		DATE: February 2024	Notes/Revisions: N/A	Scale: NTS	DRAWN BY: IKO Technical Services
Email: technical.uk@iko.com					-

PIPE PENETRATIONS - Cold Pipe - Lead Sleeve - with Green Roof

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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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: PIPE PENETRATIONS - Cold Pipe - IKO Soil	Vent Pipe Cover - with Green Roof	Dwg No: Q-F3	
		DATE: February 2024	Notes/Revisions: N/A	Scale: NTS	DRAWN BY: IKO Technical Services
Email: technical.uk@iko.com		, -			···-

PIPE PENETRATIONS - Cold Pipe - IKO Soil Vent Cover - with Green Roof

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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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 ROOFBOX S PIPE PENETRATIONS - Pi	ipe & Cable Entry Box - with Green Roof	Dwg No: Q-F4	
Email: technical uk@iko.com		DATE: February 2024	Notes/Revisions: REV A - October 2024	Scale: NTS	DRAWN BY: IKO Technical Services
Email. technical.uk@iko.com					

IKO ROOFBOX S PIPE PENETRATIONS - Pipe & Cable Entry Box - with Green Roof

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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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 - Pip	e & Cable Entry - with Green Roof	Dwg No: Q-F5	
Email: technical.uk@iko.com		DATE: February 2024	Notes/Revisions: REV A - October 2024	Scale: NTS	DRAWN BY: IKO Technical Services

IKO ROOFPORT PIPE PENETRATIONS - Pipe & Cable Entry - with Green Roof

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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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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Email: technical.uk@iko.com	

STANDARD DETAIL

DRAWING TITLE: PIPE PENETRATIONS - Cold Pipe - Liquid De	tailing - With Green Roof	Dwg No: Q-F6	
DATE:	Notes/Revisions:	Scale:	DRAWN BY:
February 2024	N/A	NTS	IKO Technical Services

PIPE PENETRATIONS - Cold Pipe - Liquid Detailing - With Green Roof

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.

On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.

Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.

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.

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	DRAWING TITLE: DRAINAGE CHUTE - with Inspection Chambe	er & Green Roof	Dwg No: Q-K1	
	DATE: February 2024	Notes/Revisions: N/A	Scale: NTS	DRAWN BY: IKO Technical Services
Email: technical.uk@iko.com				

	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.
h	Apply the specified Field Area Capsheet fully bonded and sealed onto the flange of the new lead sleeve as indicated.
	On completion of the waterproofing system & prior to any Insulation or additional finishes being installed an Electronic Leak Detection (ELD) Test must be conducted, by an ELD technical services approved testing company and/or RWTA approved. A copy of the completed test report must be copied to IKO technical services department before any guarantee is issued.
	Install preparatory Inspection Chamber to manufactures instructions.
	Suitable protection Must be provided to the waterproofing system prior to the Green Roof or additional finishes are installed.
	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 signt contractor risk assessment for the works.
	application techniques as specified. Self-adhesive membranes must be used direct to potentially combustible substrates.
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s 1	 Client/contractor first assessment for the works using application 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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DRAINAGE CHUTE - with Inspection Chamber & Green Roof