



ALUMASC ROOFING

Proposed Specification

Project:
San Court, Rusholme

Project ID: SP118889-S1
Date of issue: 10/09/2021



technical@alumascroofing.com



01744 648400



www.alumascroofing.com

Project information

Project: San Court, Rusholme
Location: Manchester
Area 1: Car Park Roofs
Project ID: SP118889-S1
Date of issue: 10/09/2021
NBS category: J41 Reinforced bitumen membrane roof coverings

Client information

Prepared for: EAMAR Developments UK Limited
Contact: Ahmed Yaseen
Email: ahmed.qs@eamardevelopmentuk.com

Alumasc Contact

Author: Leon Ferguson
Telephone: 07713 644640
Email: l.ferguson@alumascroofing.com

Head Office

Address: Alumasc Building Products Ltd
White House Works, Bold Road
Sutton, St Helens
Merseyside WA9 4JG
Telephone: 01744 648400
Email: technical@alumascroofing.com
sales@alumascroofing.com

All clauses with the suffix 'A' are either NBS Plus non-standard clauses and/or amended by Alumasc.

J41 REINFORCED BITUMEN MEMBRANES ROOF COVERINGS

To be read in conjunction with related Architectural Sections, Preliminaries, and Contract Conditions.

TYPES OF COVERING

110-A COLD DECK ROOF COATING

- Substrate: Concrete.
- Preparation:
 - Surface is to be dry, clean and free from all contaminants including oils, grease, laitance, dirt and debris.
- Primer: **Alumasc Bitumen Primer**.
 Application: As clause 530-A.
- Waterproof covering: Derbigum High Performance Roofing System.
 - Manufacturer: Alumasc Building Products Ltd
 White House Works, Bold Road
 Sutton, St Helens, WA9 4JG
 Telephone: 01744 648400
 Email: technical@alumascroofing.com
 - Underlay: **Hi-Ten Universal**.
 Attachment: Fully bonded by gas torch, as clause 710 / 740-A.
 - Top layer/Cap sheet: **Derbigum GC Cap Sheet**.
 Colour: Self-finished.
 Attachment: Fully bonded by gas torch, as clause 710 / 740-A.
 - Flashings and detail work: **Hi-Ten Universal Underlay & Derbigum GC Cap Sheet**.
 Attachment: Fully bonded by gas torch.
 - Reinforcement strip to flashings and detail work: **Derbigum GC Cap Sheet** (100mm x 100mm).
 Attachment: Fully bonded by gas torch.
- Sub-surface drainage layer: **Hydrodrain FC6**.
 Attachment: Loose laid, as clause 833-A.
- Void former: **BluRoof Void Former** to Alumasc design, refer to BluRoof calculations.
 Attachment: Loose laid, as clause 835-A.
- Geotextile fleece: **BluRoof 225FF**.
 Attachment: Loose laid, as clause 836-A.
- Surface: Landscaping finishes as per the specification of the appointed design professional.
- Accessories:
 - BluRoof 100mm dia. outlet/s, see clause 392-A.
 - BluRoof Orifice Restriction Device, see clause 392-A.
 - Alumasc Standard Termination bar, see clause 393-A.
 - Alumasc Derbitech Sealstick HD, see clause 394-A.

PERFORMANCE

210 ROOF PERFORMANCE

- General: Secure, free draining and weathertight.

280A GENERAL PERFORMANCE REQUIREMENTS

- The building shall be designed, constructed, or refurbished so that, in the event of a fire, the external envelope of the building has sufficient resistance to prevent fire spread across the relevant boundaries in accordance with all appropriate sections of the Building Regulations.
- The structure must be of sound condition and can accept the imposed loading of the proposed works.
- The design must take account of all structural factors to ensure that the waterproof covering is able to accommodate the effect of movement to avoid stress or deformation under these conditions.
- Continuity of the waterproofing is to be maintained for a vertical height of 150mm above the finished roof level at all abutments. If level access is required from within the building, as in the case of a door threshold to a balcony or terrace, the height may be reduced to a minimum 75mm upstand from the drainage layer.
- Assess the waterproofing components' resistance to dead and imposed loading to avoid failure of the component and/or reduction in performance. Where resistance is deemed to be inadequate, suitable measures to mitigate load intensity must be considered.
- Assess wind loading in accordance with BS EN 1991-1-4 (UK National Annex to Eurocode 1. Actions on structures. General actions. Wind actions).

- It is the responsibility of the Client and/or their Principal Designer to ensure that:
 - All relevant British Standards, Industry Codes of Practice and CDM Regulations are complied with.
 - Compliance of the specification outlined with the requirements of all relevant Building Regulations via consultation with Building Control. In the event of any doubt about the interpretation or application of the Building Regulations, clarification must be sought directly from Building Control.

PRODUCTS

322-A PRIMER

- Type: Solvent based low viscosity bitumen primer, black in colour.
- Manufacturer: Alumasc Building Products Ltd.
 - Product reference: Alumasc Bitumen Primer.
- Packaging: 25 litre drums.

330 TIMBER TRIMS, etc.

- Quality: Planed. Free from wane, pitch pockets, decay and insect attack (except ambrosia beetle damage).
- Moisture content at time of covering (maximum): 22%.
- Preservative treatment: To BWPDA commodity specification C8.

375 MINOR MOVEMENT JOINTS IN SUBSTRATES

- Manufacturer: _____ .
 - Product reference: _____ .
- Size: _____ .
- Insert colour: _____ .

400-A BUILT-UP REINFORCED BITUMEN WATERPROOF COVERING

- Manufacturer: Alumasc Building Products Ltd.
 - System reference: Derbigum High Performance Roofing.

400-1 UNDERLAY

- Type: Polyester reinforced oxidised bitumen membrane.
 - Product reference: Hi-Ten Universal Underlay.
- Roll size: Width 1.1m x 7.27m Length, Thickness 3mm.

400-11 TOP LAYER/CAP SHEET

- Type: Dual reinforced APP modified civil engineering grade bitumen membrane.
 - Product reference: Derbigum GC Cap Sheet.
 - Colour: Black.
 - Thickness: 5mm.
- Roll size: Width 1.1m x 7.27m Length.

400-20 REINFORCEMENT STRIP

- Product reference: Derbigum GC Cap Sheet.
- Size: Form using 100mm x 100mm strips cut from the roll.
- Roll size: Width 1.1m x 7.27m Length.

380-A SUB-SURFACE DRAINAGE LAYER

- Type: Geo-composite unit, comprising a non-woven geotextile filtration layer that is bonded to a High-Density Polyethylene (HD-PE) cuspatated core.
- Manufacturer: Alumasc Building Products Ltd.
 - Product reference: Hydrodrain FC6.
- Performance data: Design load: 250 kPa (Core), CBR puncture resistance 2.25 kN (Fabric).
- Roll size: Width 1.1m x 50m Length, Thickness 6mm.

381-A GEOCELLULAR DRAINAGE LAYER

- Type: Open structured, rigid polypropylene, interlocking void former with 96% void ratio.
- Manufacturer: Alumasc Building Products Limited.
 - Product reference: BluRoof Void Former.
- Performance data: Compressive strength: 125 t/m².
- Thickness: To Alumasc design, refer to BluRoof calculations.
- Size: 480mm x 260mm x 50/25mm.

390-A FILTER LAYER

- Type: Needle punched, non-woven, polypropylene geotextile filter fabric.
- Manufacturer: AlumasC Building Products Ltd.
 - Product reference: AlumasC BluRoof 225FF.
- Roll size: Width 4.85m x 100m Length, Thickness 3mm.

EXECUTION GENERALLY

515 ADVERSE WEATHER

- General: Do not lay coverings in high winds, wet or damp conditions or in extremes of temperature unless effective temporary cover is provided over working area.
- Unfinished areas of roof: Keep dry. Protect edges of laid membrane from wind action.

520-A INCOMPLETE WORK

- Progress of the works will be such as to maintain the waterproof integrity of the roof/s. At the end of each working day, all open laps and joints to be sealed in accordance with current codes of practice.
- On resumption of work: Cut away tail of membrane from completed area and remove.

530-A APPLYING PRIMERS

- Coverage per coat (minimum): Concrete and timber 6-8 m²/litre.
Lightweight concrete screeds 3.5-5 m²/litre.
Metal 6-12 m²/litre.
- Surface coverage: Even and full.
- Application: Apply by brush, roller or spray and allow to dry completely. Surfaces must be clean and free from all oil, grease, dirt, dust and loose debris. Bituminous primer is resistant to rainfall within 20-30 minutes of its application.

590-A GENERAL NOTES / REQUIREMENTS

- Prior to execution the AlumasC project specification, associated drawings, and installation instructions for all materials must be studied, understood, and followed.
- The substitution of any products, or installation by means other than those described, is not permitted, unless agreed in writing, in advance, with AlumasC Building Products Ltd.
- Contractors are advised to visit site when deemed necessary and make themselves fully acquainted with the extent of the works and the conditions under which they are to be executed. Contractors must acquire all relevant tender documentation to enable accurate estimation.
- A minimum of two operatives out of every three must be AlumasC registered, who can produce their individual card upon demand whilst installing the system for which they are approved.
 - The works must be overseen by the contractor's trained Derbigum Contract Manager.
- The roofing contractor is to appoint qualified tradespersons only for all associated building work.
- Workmanship must be carried out in accordance with all relevant industry Codes of Practice, unless agreed in writing, in advance, with AlumasC Building Products Ltd.
- Any structural or building work defects found that may compromise the durability and performance of the waterproofing works are to be reported to AlumasC Building Products Ltd for evaluation.
- Outlet/s shall be set at a level to compensate for the thickness of the outlet flange and avoid a check against the flow of water.
- All freestanding roof mounted equipment positioned above the waterproofing must have a sacrificial layer of protection sheet loose laid beneath, including equipment supplied with a load spreading base plate.
- Following the completion of the waterproofing transient loads can be accommodated on the membrane. Where semi-permanent or permanent load is necessary localised protection must be provided to prevent damage from point loading. Care should be taken not damage the membrane while laying any protection.
- Final inspection of the waterproofing and obligatory leak testing must take place once works are complete and the appropriate protection is removed.

591-A SITE INSPECTIONS

- Regular site inspections will be made by AlumasC Building Products Ltd during the works to ensure that the installation is executed to satisfy the warranty requirements and relevant standards.
 - A report will be issued detailing the works observed during the inspection and will, where applicable, make recommendations for appropriate rectification which the contractor is to undertake.
- No materials are to be installed above the completed waterproof covering until AlumasC has carried out a final inspection and satisfactory documented leak test certification is in place, as clauses 910A / 920A.

592-A HEALTH & SAFETY

- It is strictly the contractor's responsibility to ensure that all works are executed in accordance with current health and safety legislation. Guidance may be taken from HSE publication, reference HSG33.
- A detailed method or work statement, design risk evaluation (Incl. RAMS), and program of works are to be provided by the roofing contractor and agreed by all relevant parties prior to commencing works.
 - It is the responsibility of the roofing contractor to identify any potential fire risks, or hot work free zones, as part of their risk assessment, and introduce safe working practices to minimise undue risk. Contact Alumasc Building Products Ltd so that an alternative approach can be agreed if not covered herein.
 - Wherever a gas torch is employed, the contractor must observe the greater of a minimum one-hour fire watch, or the period dictated by their own insurers, after cessation of torching. Fire extinguishing equipment must be readily available, in accordance with Health and Safety legislation.
- It is imperative that safe access, egress, and edge/fall protection which complies with the Workplace (Health, Safety and Welfare) Regulations 1992 is in place for the duration of the works, inspection, and maintenance of the warranted Alumasc Roofing system throughout its life cycle.
- Safety scaffolding, the location of rubbish skips, access ladders etc. should be agreed with the client and/or Principal Contractor and be in accordance with current Health and Safety regulations.
- A COSHH assessment should be carried out for all materials used to adequately control, exposure to substances hazardous to health. Keeping a copy of the safety data sheet is not a COSHH assessment.

593-A STORING OF MATERIALS

- Safe and effective transport of materials to working level is to be determined by the roofing contractor subject to on-site conditions and accessibility.
 - Care must be taken when storing materials and equipment not to overload the deck or structure.
- Materials must be stored carefully undercover and raised clear of the ground, on a clean level surface, away from excessive heat.
 - Bituminous rolls must be stored on end.
- It is recommended that only material for the day's schedule should be taken out of store/uncovered.

SUBSTRATES

610-A SUITABILITY OF SUBSTRATES

- Substrate: Concrete.
 - Free from back-falls or hollows, wood float, with a wood-trowelled finish.
 - Standard construction tolerances for concrete are to be observed. Negative falls away from the location of outlet/s must be avoided, and a detailed structural analysis should be used to prove the roof deck as designed will not suffer from such. If deemed unsatisfactory, remedial action is recommended to ensure that all design parameters are sustained throughout the lifecycle of the roof in accordance with prevailing standards, regulations, and Codes of Practice.
 - It is recommended that a provisional sum (cost/per m² = to a depth of 10mm) is made for the installation of **Monoscreed** to make good levels. All repairs are deemed to be finished flat unless otherwise stated. The depth and area of concrete repair cannot be determined until such time the deck has been installed or post-installation of the waterproofing.
- Substrates generally:
 - Secure, clean, dry, free from any irregularities which may compromise the works and/or performance, free from frost, contaminants, loose material, voids, protrusions, and organic growths.
 - Compatible with coating system.
- Preliminary work: Complete including:
 - Formation of upstands, kerbs, box gutters, sumps, grooves, chases, and expansion joints.
 - Fixing of battens, anchoring plugs/strips.
- Cementitious/non-polymer modified screeds: Observe drying times as prescribed by the manufacturer, even if the screed appears to be dry from the surface. The effects of inclement weather should also be given due consideration.
 - It is recommended that provision is made for full weatherproof protection to ensure moisture and temperature conditions are maintained favourable to continued hydration.
- Moisture content and stability of substrate: Must not impair roof integrity.
- Acceptable methods of drying of roof areas, where required, must be agreed with the client prior to the commencement of works.

WATERPROOF COVERINGS/ACCESSORIES

710 LAYING REINFORCED BITUMEN MEMBRANES GENERALLY

- Direction of laying: Unrolled up the slope.
 - Where practicable, install so that water drains over and not into laps.
- Side and end laps: In accordance with manufacturer's requirements.
 - Pre-cut the lower corner of the end of each roll at 45° where it will be overlapped by the end lap of the next roll.
- Head and side laps: Offset.
- Intermediate and top layer/ capsheet: Fully bond.
- Successive layers: Apply without delay. Do not trap moisture.
- Strips of bitumen membrane for 'linear' details: Cut from length of roll.
- Completed coverings: Firmly attached, fully sealed, smooth, weatherproof and free draining.

740-A TORCH-ON BONDING OF REINFORCED BITUMEN MEMBRANES

- Setting out: Neat, with carefully formed junctions.
- Bond: Full over whole surface, with no air pockets.
- Application: Use of a roll bar is recommended to field areas.
 - The membrane is to be torched just above half way up the roll, directly onto the face of the membrane itself. Torching directly into the 'V' is to be avoided.
- Side and end laps: 150mm side lap & 150mm end lap.
 - A minimum 5 to 10mm continuous bead of bitumen must extrude from all laps including detailing.
 - Excess compound at laps of top layer/cap sheet: Leave as continuous bead, do not spread or remove.

775-A SKIRTINGS AND UPSTANDS / GENERAL DETAILING

- Preparation: Prepare the substrate to provide an acceptable base for waterproofing.
 - Prime substrate with the specified primer, as clause 530-A.
- Venting first layer of bitumen membrane: Fully bond in bitumen for 300mm strip around perimeters. Overlap onto upstand with the specified underlay, fully bonded.
- Layers of bitumen membrane: Carry in staggered formation up the upstand, with each layer fully bonded.
- Flashings and detail work:
 - The design should ensure that the continuity of the waterproof covering is maintained for a vertical height of 150mm above the finished roof level at all abutments, parapets etc. AlumasC cannot take responsibility in the event of water ingress over and above the termination of our waterproofing.
 - All membranes specified for the detailing are to be executed in two layers, the underlay and cap sheet, each to be fully bonded by torching. At all upstands, install a 100 x 100mm reinforcing strip into the angle. The main field cap sheet must overlap onto the reinforcing strip by the full 100mm. Install a final flashing piece of the cap sheet, fully bonded to the upstand and overlapping onto the main horizontal sheet area by a minimum of 100mm.
- Upstands:
 - At ends of rolls: Form with bitumen membrane carried up without using separate strip.
 - Elsewhere: Form with matching strips of bitumen membrane, maintaining laps.
 - Additional fixing of bitumen membranes: Where applicable, mechanically fix termination bar at 300mm (max.) centres placed at the top edge of the flashing detail, sealed with AlumasC Derbitech Sealstick HD.
- Leadwork: Where applicable, code 4 or 5 lead is required for flashing of details. Maximum lengths and girth should be established and carried out in accordance with the Lead Sheet Association recommendations.
- Seal the connection between roofing membranes to all common building materials: Apply AlumasC Derbitech Sealstick HD polymer sealant to all exposed edges, termination bars, flashings, connections with roof penetrations etc. Surfaces must be dry, clean and free from contaminants.
- Additional requirements: The contractor is to install all details in a manner to comply with current quality assessment recommendations for the installation of the specified system. Should any detail arise where it is not clear how this can be achieved, the contractor is to seek advice and approval for all proposals from AlumasC before completing the works.

SURFACING

833-A LAYING SUB-SURFACE DRAINAGE LAYER

- Condition of substrate: Clean.
- Setting out:
 - Loose lay ensuring that the filter fabric is uppermost and facing the backfill. Adjacent rolls are to be positioned so that the cusped cores are butt-jointed.
 - The filter fabric has a 100mm wide lap for lapping over the fabric of the adjoining unit prior to backfilling.
- Completion:
 - Must be in good condition, well-fitting and stable.

835-A GEOCELLULAR DRAINAGE LAYER INSTALLATION

- Extent: Continuous over entire roof area.
- Fitting: Clipped to the adjacent board by the interlock feature creating a continuous void space.
- Upstands: Fit closely around penetrations and outlets.

836-A LAYING FILTER LAYER

- Condition of substrate: Clean.
- Direction of laying: Loose lay over the void former with 150mm overlaps.
 - Extend sheet at edges and penetrations up the adjacent surface approx. 50mm.

COMPLETION

910-A FINAL INSPECTION

- Interim and final inspections: Carried out strictly in accordance with AlumasC Building Products Ltd requirements to satisfy warranty requirements.
 - Safe access to all applicable areas must be maintained until final sign-off has been carried out.
- **Final warranty inspection:** It is strictly the responsibility of the registered contractor to notify AlumasC to arrange an inspection upon completion of each stage of the works, and that the inspection takes place prior to the application of any surfacing above the waterproof covering.
 - Failure on either or both counts will jeopardise approval and/or warranty release.
 - The warranty will be issued via the appointed roofing contractor upon acceptable rectification of any snags as identified by AlumasC, or without undue delay should all be satisfactory.
 - The contractor must apply to AlumasC for the warranty within three months of completion.
- Rainwater goods: Contractor is to test upon completion of the works prior to handover.

920-A ELECTRONIC ROOF INTEGRITY TEST

- Warranty condition: The contractor must arrange final documented leak testing for each waterproofed area.
- Timing of test: Must take place as soon as is practically possible following completion of the waterproofing, and prior to access being granted to following trades.
- Condition of roof covering prior to testing:
 - Coating: Complete to stage where integrity can be tested.
 - Surface: Clean and free of site debris.
- Breaches detected: Retest immediately following repair to confirm waterproof integrity.
- Test results: Submit on completion, to include an annotated plan of area tested.
- Waterproofing integrity certificate: Submit on completion of a single test or series of tests to the nominated roof or section thereof. The issue of warranty is conditional upon the provision of satisfactory leak test certification covering all areas.

940 COMPLETION

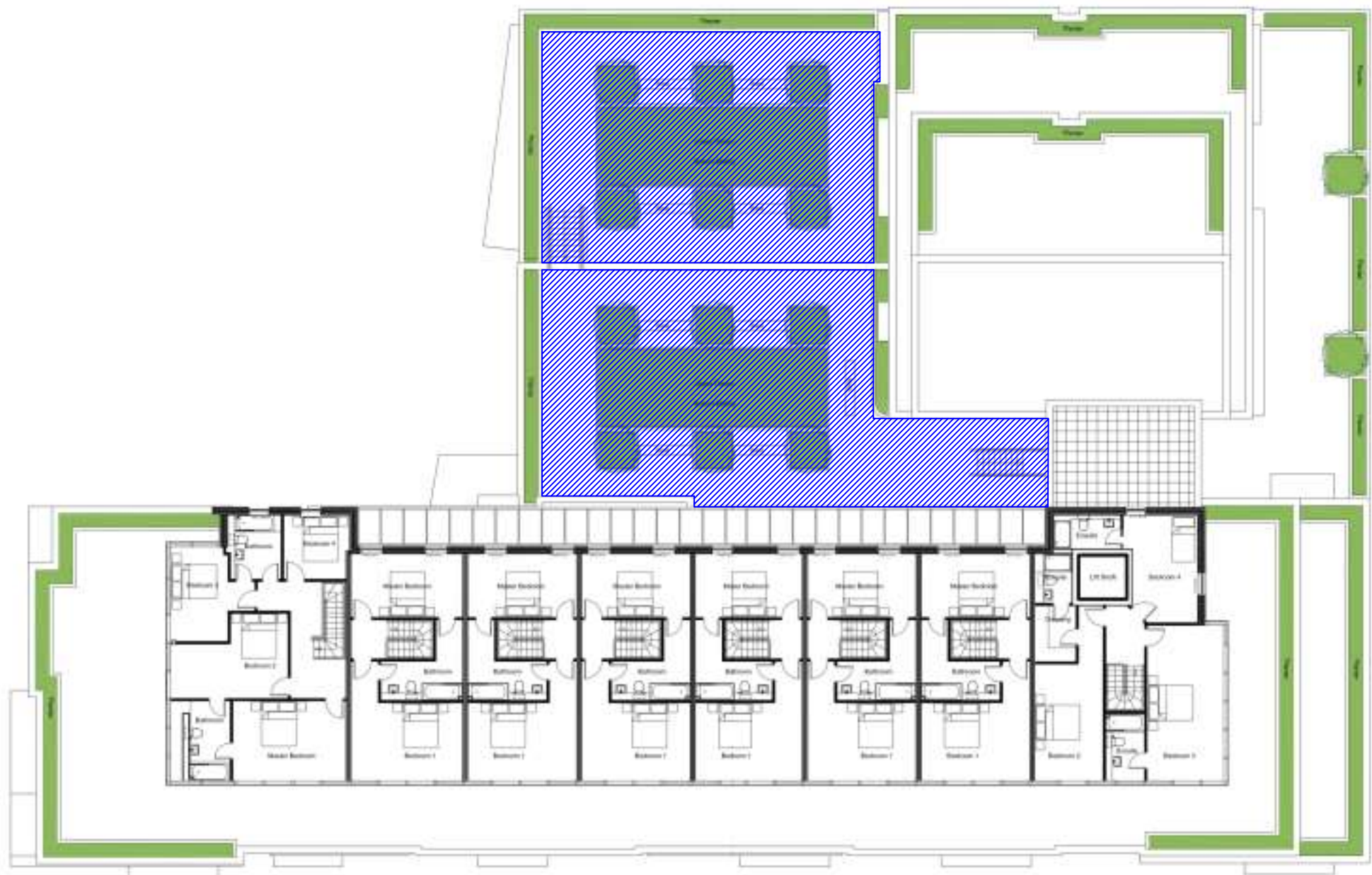
- Roof areas: Clean.
- Outlets: Clear.
- Work necessary to provide a weathertight finish: Complete.
- Storage of materials on finished surface: Not permitted.
- Completed membrane: Do not damage. Protect from chemicals, traffic and adjacent or high level working.

941-A MANUFACTURER'S WARRANTY

- Type: Single source, fully warranted waterproofing package from a sole supplier, including all associated component parts and accessories, and installed by a specialist contractor registered with Alumasc.
- Term/Conditions: Alumasc Building Products Ltd offers a warranty to the customer in respect of the proposed roofing installed as per our specification at the premises from the date of final completion.
 - The warranty assures the building owner that, in the event that the roof fails to remain watertight as a consequence of latent defect in products supplied by Alumasc, details designed by Alumasc or faulty workmanship of the Alumasc Registered Contractor, Alumasc undertakes to reinstate the waterproof integrity of the roof, subject to the terms and conditions.
 - The warranty offered is conditional upon the full system being purchased from Alumasc and installed in accordance with the specification outlined. Substitution of any products, or installation by means other than those described, will invalidate the warranty offered.

Alumasc Building Products Ltd reserves the right to revise specification content without notice. It is the responsibility of the client and/or their appointed Principal Designer to ensure compliance of the proposed specification with all relevant Building Regulations by consultation with Building Control. Any future changes to the prevailing standards, regulations, or codes of practice may result in specification amendment.

Alumasc Building Products Ltd will not accept any liability arising from unauthorised variations or unnotified changes in circumstances relating to the application or performance of Alumasc products or systems.



ST Plan 1:100

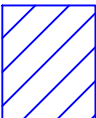
Notes

Where dimensions are not given, drawings must not be scaled and the matter referred to Crown Advisory.

In the event of any dimensional conflict between Crown Advisory, the matter must be referred to Crown Advisory for clarification.

The Contractor must also refer to any separate Crown Advisory- Specification to be read in conjunction with this drawing.

This Drawing is only for the use identified, Do not build from this drawing unless marked 'For Construction'.



Areas hatched in blue show location of the new blue roof attenuation system.

XXX	XXX	XXX	XXX
Rev	Date	Amendment	By



Crown Advisory -
Building Consultancy
452 Chester Road,
Manchester, M16 9HD
Telephone: 075 9440 1792
www.crownadvisory.co.uk
ay@crownadvisory.co.uk

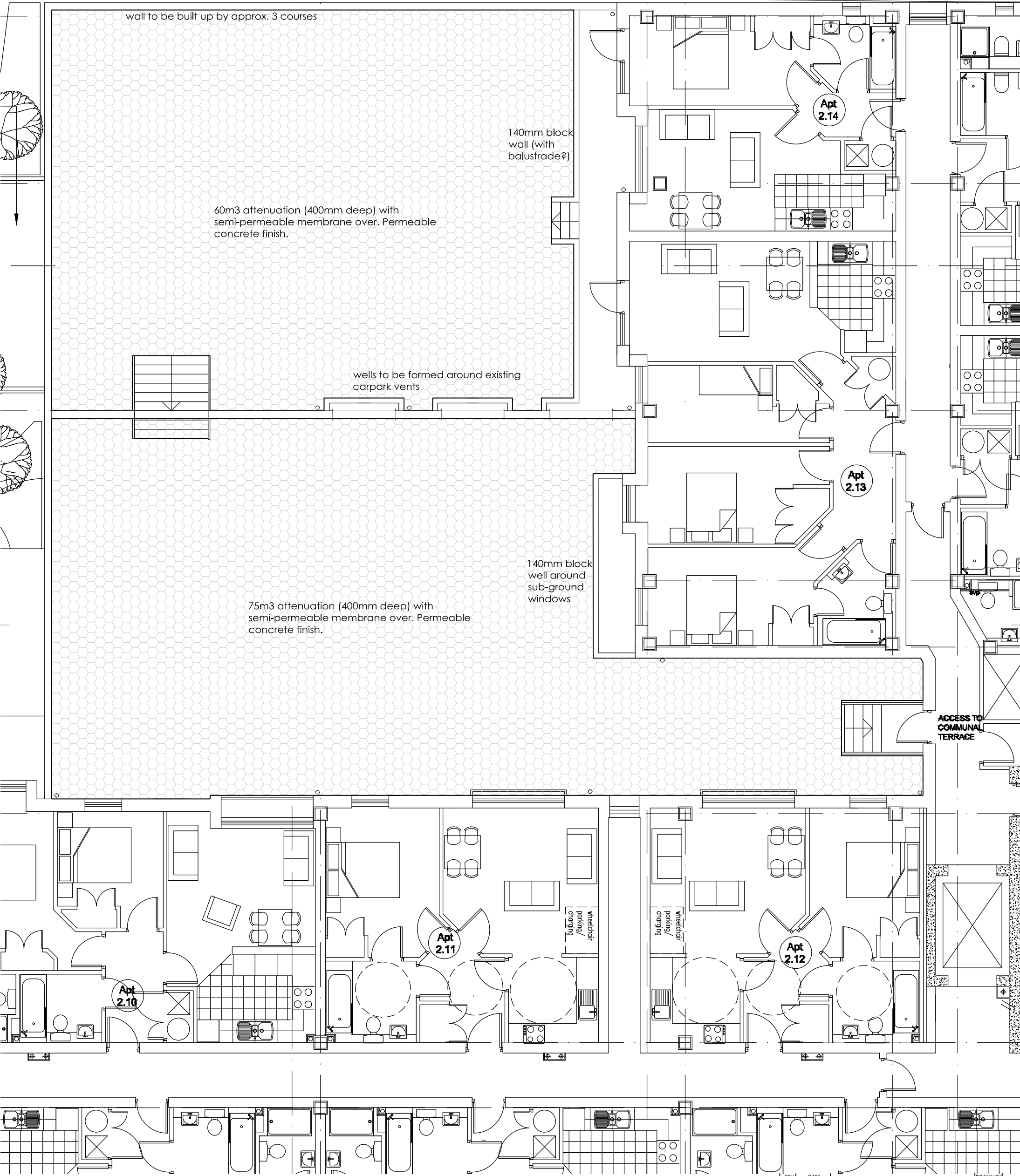
Client
Eamar Developments (UK)
Limited

Project
San Court, Wilmslow Road,
Rusholme, Manchester, M14

Drawing
Blue Roof Location Plan

FOR INFORMATION

Job No.		DWG No.	DWG Revision
ED.21 SC		ED.21.13	-
Scale	Date	Drawn	Checked
nts	15/09/2021	AY	-



PROPOSED ATTENUATION
SAN COURT

SCALE 1:100 @ A3



FOB Design (UK) Ltd
72A Water Lane,
Wilmslow, Cheshire, SK9 5BB
01625 251644
office@fob-design.com www.fob-design.com

REV	DATE	DRAWN BY
XXX		
Copyright of fob design (UK) Ltd, all rights reserved. all information contained within this drawing remains the property of fob design. The information should not be reproduced in whole or part or modified without written consent of fob design. No information within this drawing should be modified or disclosed or passed onto third parties without written consent of fob design. Do not scale from drawings.		
ANDERSEN TEXTILES		
XXX		
XXX		
Drawn	XXX	Status XXX
Checked	XXX	Original A3
Date	JUN 21	Scale 1:100@A3
SK 01		

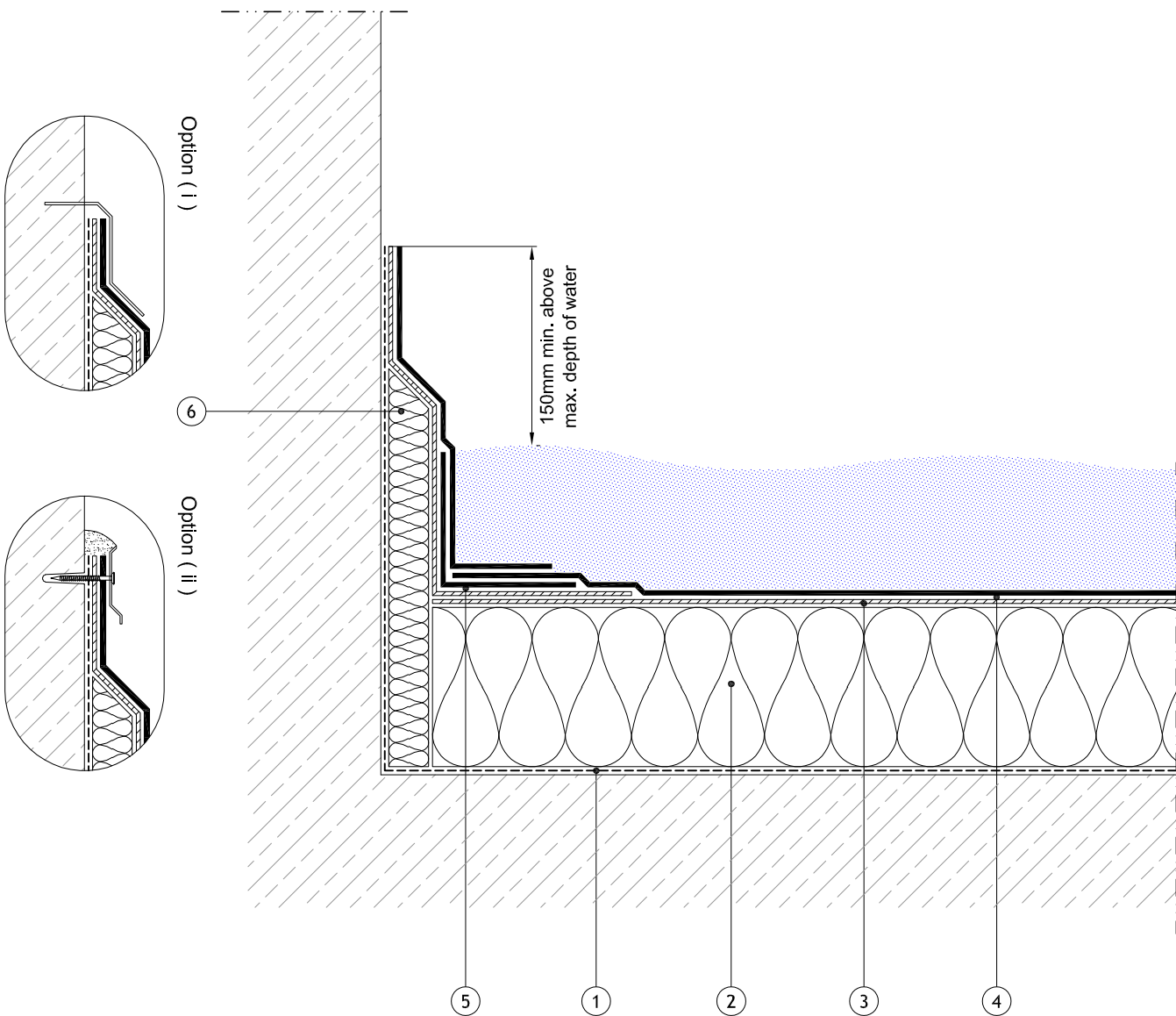
Section Key:

- 1. Alumasc air & vapour control layer.
- 2. Alumasc thermal insulation, thickness determined to meet the U-value and dew point of the structure.
- 3. Alumasc underlay.
- 4. Derbigum BluRoof cap sheet, fully bonded by gas torch.
- 5. Alumasc 100x100mm reinforcing strip into the angle, fully bonded by gas torch.
- 6. Alumasc thermal insulation to detailing, where applicable, to avoid a cold bridge as determined by the appointed design professional.

Flame-free installation methods and/or materials must be used around any combustible materials which may be encountered. The contractor must enforce a torch-free zone as dictated by their insurers; however, it is recommended that this must be a minimum of 900mm.

Detailing:

- (i) Code 4/5 lead cover flashing, by others.
- (ii) Alumasc Termination bar sealed with Derbitech sealstick HD.



- This drawing was prepared to serve as a guideline representing typical detailing conditions and illustrate the correct application of Alumasc products only. It may be necessary to modify this detail in whole or in part in accordance with specific project conditions, design or requirements.
- Refer to the Alumasc project specification for product identification and method of application.



ALUMASC
ROOFING

+44 (0)1744648400
info@alumascroofing.com
www.alumascroofing.com

Alumasc Building Products Ltd
White House Works, Bold Road, Sutton St Helens, Merseyside WA9 4JG

Title:
Derbigum BluRoof
Abutment

Drawing No:
RBM-BR 01 01

Revision:

Scale:
Not to Scale

Date:

© Copyright reserved

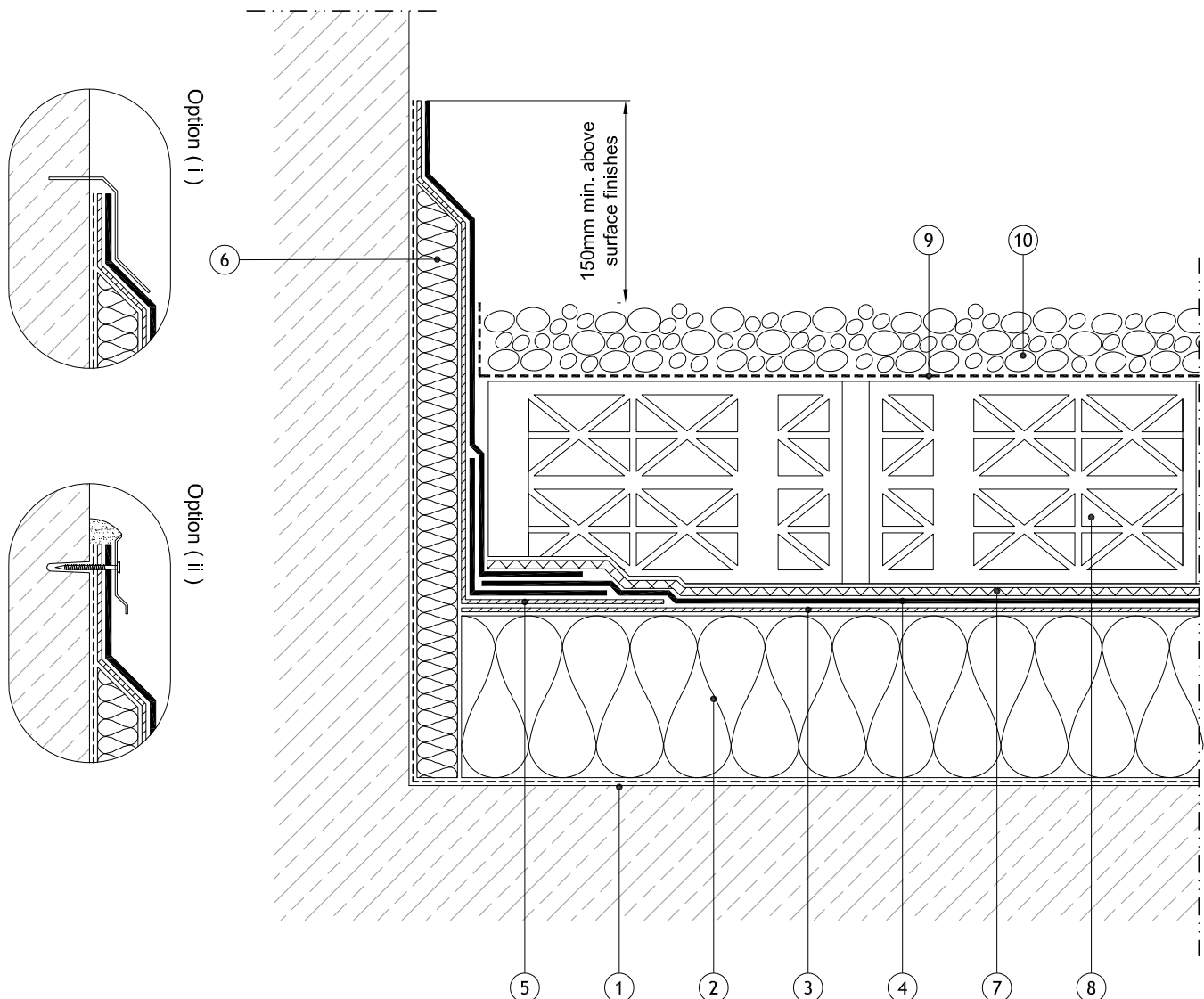
Section Key:

1. Alumasc air & vapour control layer.
2. Alumasc thermal insulation, thickness determined to meet the U-value and dew point of the structure.
3. Alumasc underlay.
4. Derbigum BluRoof cap sheet, fully bonded by gas torch.
5. Alumasc 100x100mm reinforcing strip into the angle, fully bonded by gas torch.
6. Alumasc thermal insulation to detailing, where applicable, to avoid a cold bridge as determined by the appointed design professional.
7. Hydrodrain FC6.
8. BluRoof Void Former, depth required is subject to BluRoof calculations.
9. Alumasc BluRoof 225FF Filter Sheet.
10. Large rounded pebbles, 20-40mm grade.

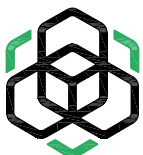
Flame-free installation methods and/or materials must be used around any combustible materials which may be encountered. The contractor must enforce a torch-free zone as dictated by their insurers; however, it is recommended that this must be a minimum of 900mm.

Detailing:

- (i) Code 4/5 lead cover flashing, by others.
- (ii) Alumasc Termination bar sealed with Derbitech sealstick HD.



- This drawing was prepared to serve as a guideline representing typical detailing conditions and illustrate the correct application of Alumasc products only. It may be necessary to modify this detail in whole or in part in accordance with specific project conditions, design or requirements.
- Refer to the Alumasc project specification for product identification and method of application.



ALUMASC
ROOFING

+44 (0)1744648400
info@alumascroofing.com
www.alumascroofing.com

Alumasc Building Products Ltd
White House Works, Bold Road, Sutton St Helens, Merseyside WA9 4JG

Title:
**Derbigum BluRoof
Abutment**

Drawing No:
RBM-BR 01 01 B

Revision:

Scale:
Not to Scale

Date:

© Copyright reserved

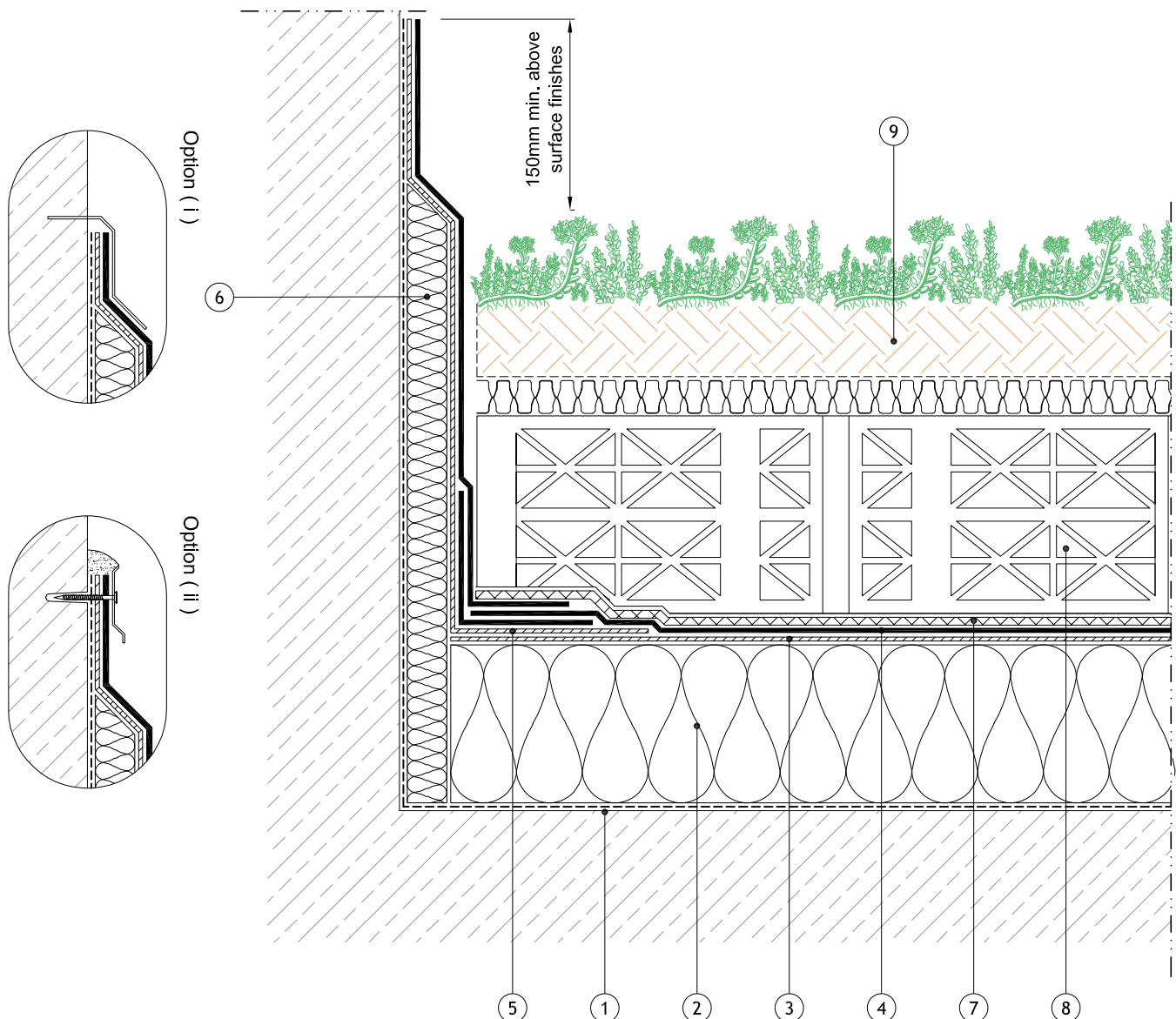
Section Key:

1. Alumasc air & vapour control layer.
2. Alumasc thermal insulation, thickness determined to meet the U-value and dew point of the structure.
3. Alumasc underlay .
4. Derbigum BluRoof AR cap sheet, fully bonded by gas torch.
5. Alumasc 100x100mm reinforcing strip into the angle, fully bonded by gas torch.
6. Alumasc thermal insulation to detailing, where applicable, to avoid a cold bridge as determined by the appointed design professional.
7. Hydrodrain FC6.
8. BluRoof Void Former, depth required is subject to BluRoof calculations.
9. Blackdown Green Roof - drainage layer, substrate and planting as per specification.

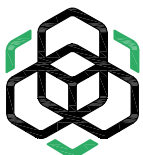
Flame-free installation methods and/or materials must be used around any combustible materials which may be encountered. The contractor must enforce a torch-free zone as dictated by their insurers; however, it is recommended that this must be a minimum of 900mm.

Detailing:

- (i) Code 4/5 lead cover flashing, by others.
- (ii) Alumasc Termination bar sealed with Derbitech sealstick HD.



- This drawing was prepared to serve as a guideline representing typical detailing conditions and illustrate the correct application of Alumasc products only. It may be necessary to modify this detail in whole or in part in accordance with specific project conditions, design or requirements.
- Refer to the Alumasc project specification for product identification and method of application.



ALUMASC
ROOFING

+44 (0)1744648400
info@alumascroofing.com
www.alumascroofing.com

Alumasc Building Products Ltd
White House Works, Bold Road, Sutton St Helens, Merseyside WA9 4JG

Title:
**Derbigum BluRoof
Abutment**

Drawing No:
RBM-BR 01 01 G

Revision:

Scale:
Not to Scale

Date:

© Copyright reserved

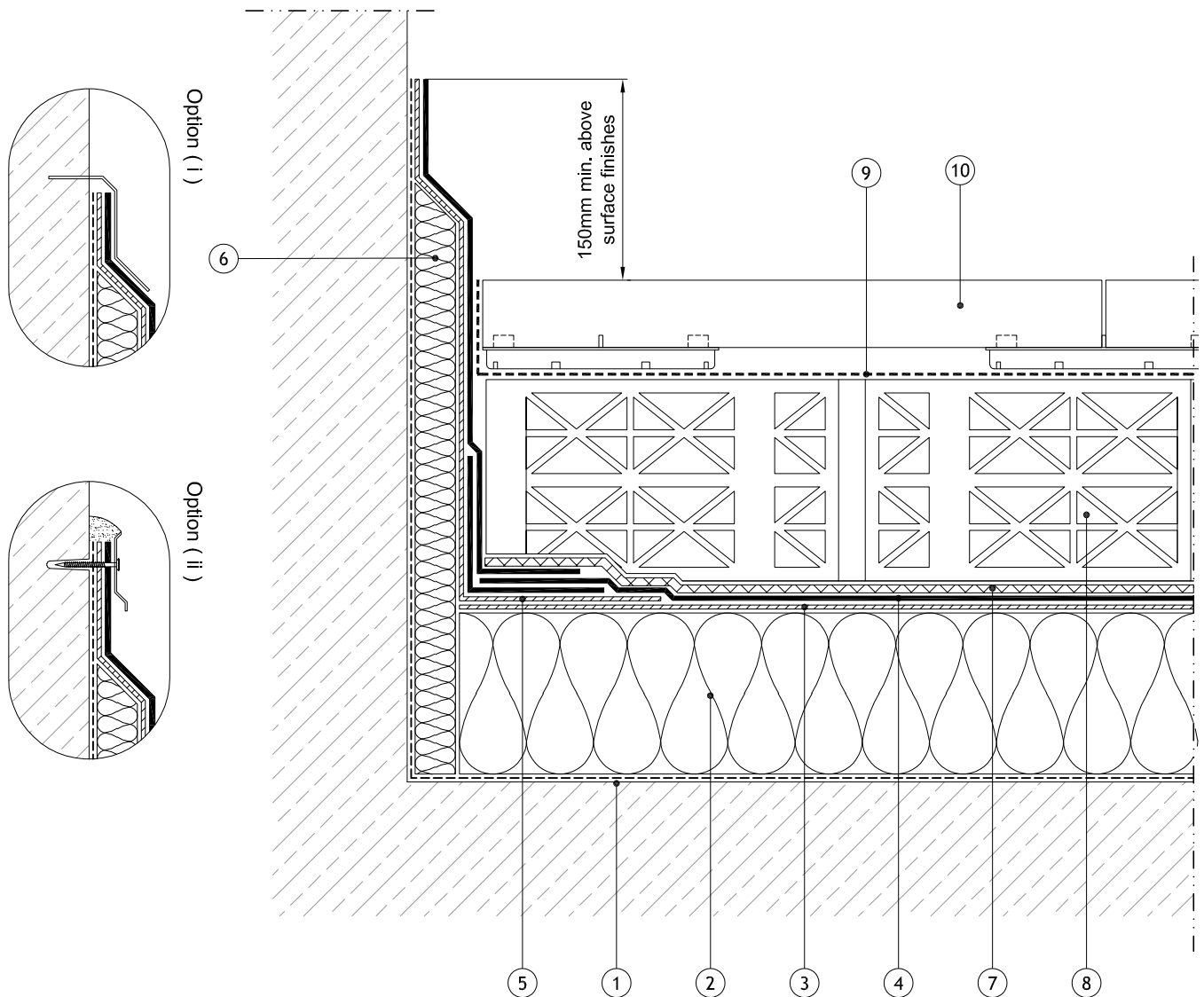
Section Key:

1. Alumasc air & vapour control layer.
2. Alumasc thermal insulation, thickness determined to meet the U-value and dew point of the structure.
3. Alumasc underlay.
4. Derbigum BluRoof cap sheet, fully bonded by gas torch.
5. Alumasc 100x100mm reinforcing strip into the angle, fully bonded by gas torch.
6. Alumasc thermal insulation to detailing, where applicable, to avoid a cold bridge as determined by the appointed design professional.
7. Hydrodrain FC6.
8. BluRoof Void Former, depth required is subject to BluRoof calculations.
9. Alumasc BluRoof 225FF Filter Sheet.
10. Precast concrete paving slabs, by others, seated on Pedestal Pro paving supports.

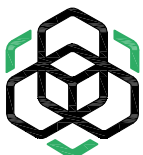
Flame-free installation methods and/or materials must be used around any combustible materials which may be encountered. The contractor must enforce a torch-free zone as dictated by their insurers; however, it is recommended that this must be a minimum of 900mm.

Detailing:

- (i) Code 4/5 lead cover flashing, by others.
- (ii) Alumasc Termination bar sealed with Derbitech sealstick HD.



- This drawing was prepared to serve as a guideline representing typical detailing conditions and illustrate the correct application of Alumasc products only. It may be necessary to modify this detail in whole or in part in accordance with specific project conditions, design or requirements.
- Refer to the Alumasc project specification for product identification and method of application.



ALUMASC
ROOFING

+44 (0)1744648400
info@alumascroofing.com
www.alumascroofing.com

Alumasc Building Products Ltd
White House Works, Bold Road, Sutton St Helens, Merseyside WA9 4JG

Title:
**Derbigum BluRoof
Abutment**

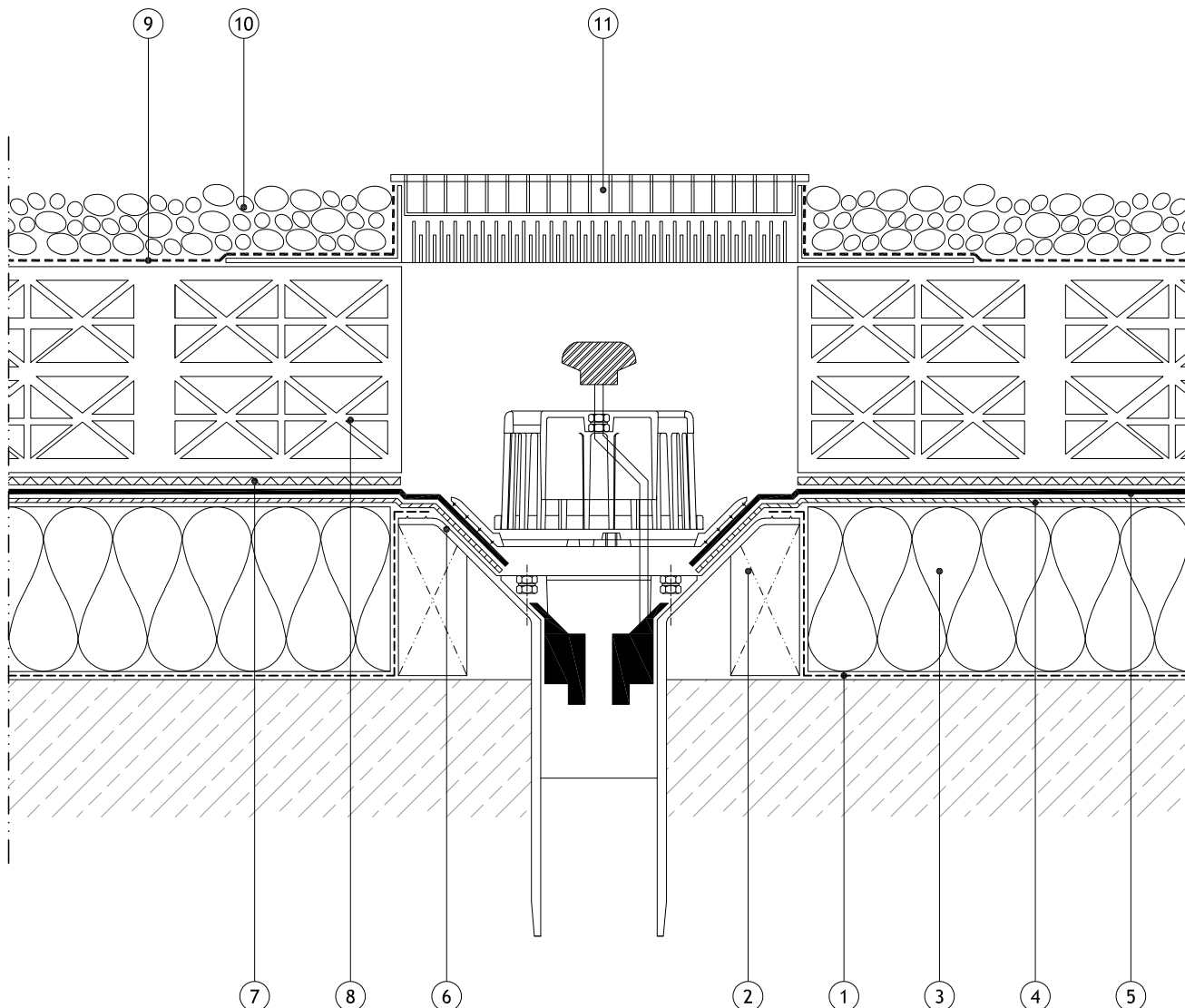
Drawing No:
RBM-BR 01 01 P

Revision:

Scale:
Not to Scale

Date:

© Copyright reserved

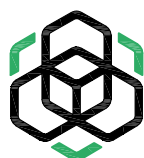


Section Key:

1. Alumasc air & vapour control layer.
2. Treated timber batten, by others, to be of reduced thickness to avoid creating a step in the waterproofing.
3. Alumasc thermal insulation, thickness determined to meet the U-value and dew point of the structure.
4. Alumasc underlay.
5. Derbigum BluRoof cap sheet, fully bonded by gas torch.
6. Harmer AV outlet with Harmer BluRoof Insert, incorporating a clamping ring and domical grate.
7. Hydrodrain FC6.
8. BluRoof Void Former, depth required is subject to BluRoof calculations.
9. Alumasc BluRoof 225FF Filter Sheet.
10. Large rounded pebbles, 20-40mm grade.
11. Blackdown Inspection Chamber.

Flame-free installation methods and/or materials must be used around any combustible materials which may be encountered. The contractor must enforce a torch-free zone as dictated by their insurers; however, it is recommended that this must be a minimum of 900mm.

- This drawing was prepared to serve as a guideline representing typical detailing conditions and illustrate the correct application of Alumasc products only. It may be necessary to modify this detail in whole or in part in accordance with specific project conditions, design or requirements.
- Refer to the Alumasc project specification for product identification and method of application.



ALUMASC
ROOFING

+44 (0)1744648400
info@alumascroofing.com
www.alumascroofing.com

Alumasc Building Products Ltd
 White House Works, Bold Road, Sutton St Helens, Merseyside WA9 4JG

Title:
**Derbigum BluRoof
 BluRoof Outlet**

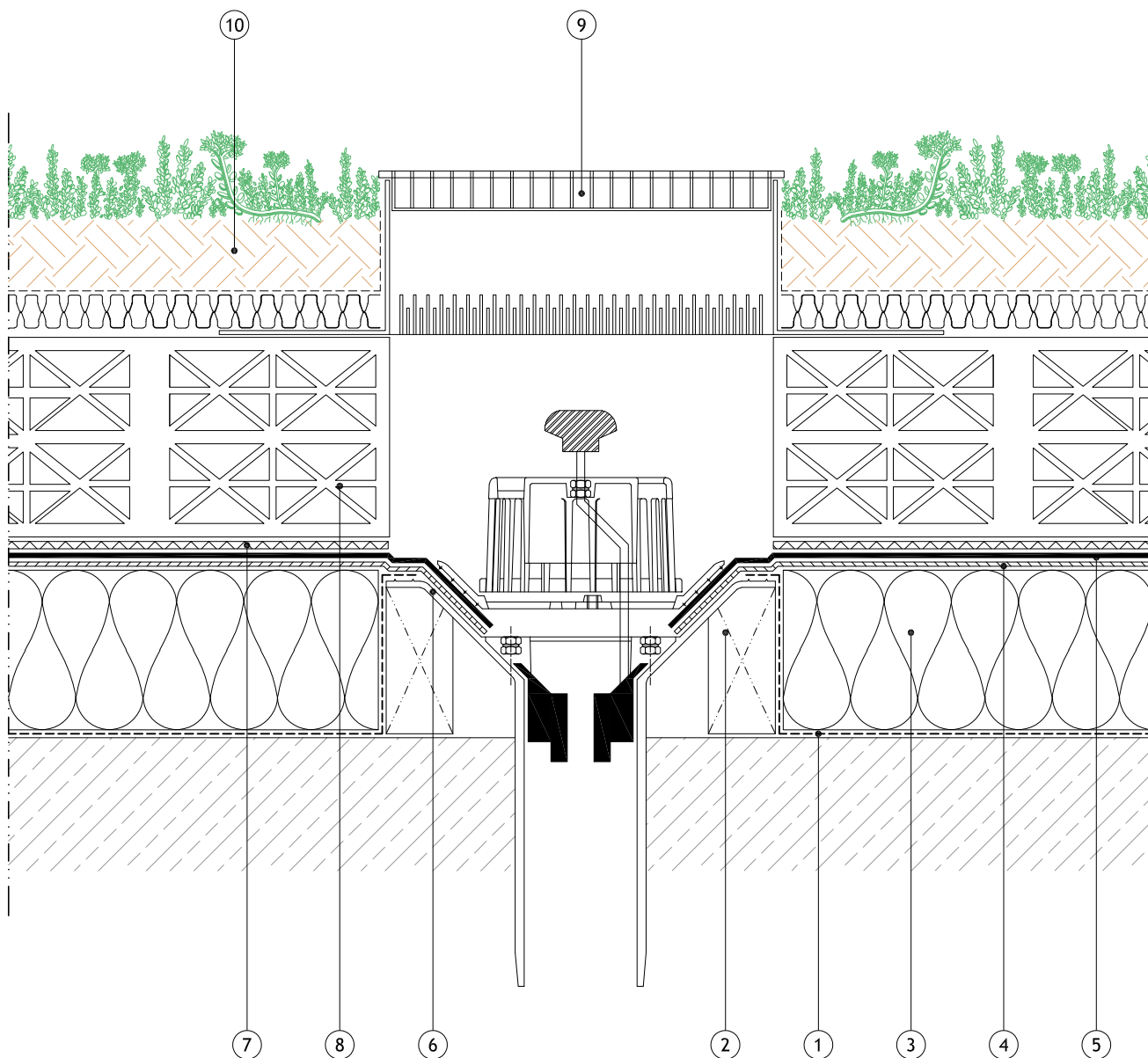
Drawing No:
RBM-BR 02 01 B

Revision:

Scale:
Not to Scale

Date:

© Copyright reserved

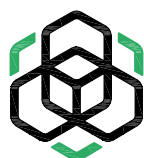


Section Key:

1. AlumasC air & vapour control layer.
2. Treated timber batten, by others, to be of reduced thickness to avoid creating a step in the waterproofing.
3. AlumasC thermal insulation, thickness determined to meet the U-value and dew point of the structure.
4. AlumasC underlay.
5. Derbigum BluRoof AR cap sheet, fully bonded by gas torch.
6. AlumasC BluRoof Outlet.
7. Hydrodrain FC6.
8. BluRoof Void Former, depth required is subject to BluRoof calculations.
9. Blackdown Inspection Chamber.
10. Blackdown Green Roof - drainage layer, substrate and planting as per specification.

Flame-free installation methods and/or materials must be used around any combustible materials which may be encountered. The contractor must enforce a torch-free zone as dictated by their insurers; however, it is recommended that this must be a minimum of 900mm.

- This drawing was prepared to serve as a guideline representing typical detailing conditions and illustrate the correct application of AlumasC products only. It may be necessary to modify this detail in whole or in part in accordance with specific project conditions, design or requirements.
- Refer to the AlumasC project specification for product identification and method of application.



ALUMASC
ROOFING

+44 (0)1744648400
info@alumascroofing.com
www.alumascroofing.com

AlumasC Building Products Ltd
White House Works, Bold Road, Sutton St Helens, Merseyside WA9 4JG

Title:
Derbigum BluRoof
BluRoof Outlet

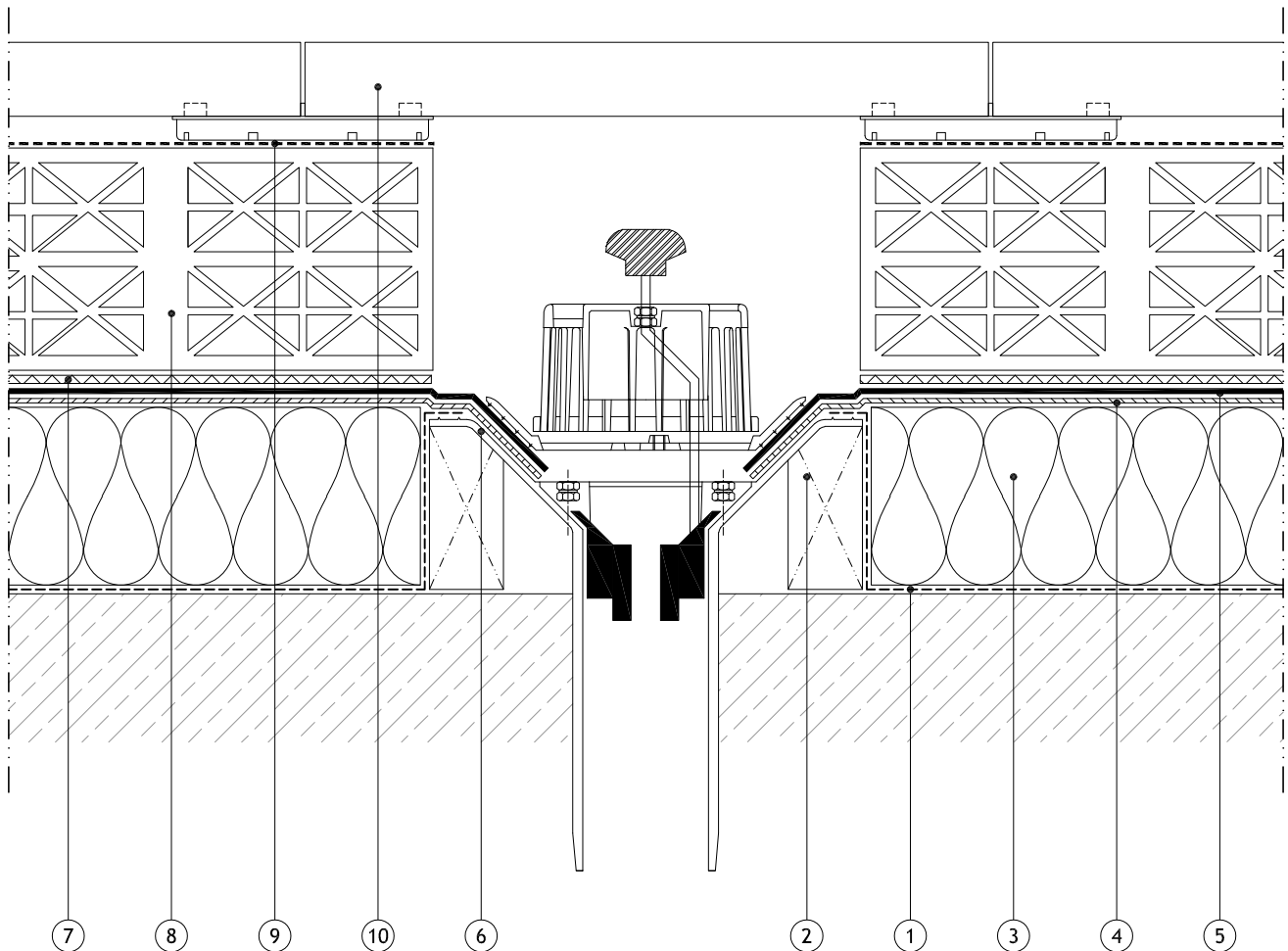
Drawing No:
RBM-BR 02 01 G

Revision:

Scale:
Not to Scale

Date:

© Copyright reserved

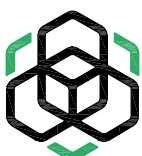


Section Key:

1. Alumasc air & vapour control layer.
2. Treated timber batten, by others, to be of reduced thickness to avoid creating a step in the waterproofing.
3. Alumasc thermal insulation, thickness determined to meet the U-value and dew point of the structure.
4. Alumasc underlay.
5. Derbigum BluRoof cap sheet, fully bonded by gas torch.
6. Alumasc BluRoof Outlet
7. Hydrodrain FC6.
8. BluRoof Void Former, depth required is subject to BluRoof calculations.
9. Alumasc BluRoof 225FF Filter Sheet.
10. Precast concrete paving slabs, by others, seated on Pedestal Pro paving supports.

Flame-free installation methods and/or materials must be used around any combustible materials which may be encountered. The contractor must enforce a torch-free zone as dictated by their insurers; however, it is recommended that this must be a minimum of 900mm.

- This drawing was prepared to serve as a guideline representing typical detailing conditions and illustrate the correct application of Alumasc products only. It may be necessary to modify this detail in whole or in part in accordance with specific project conditions, design or requirements.
- Refer to the Alumasc project specification for product identification and method of application.



ALUMASC
ROOFING

+44 (0)1744648400
info@alumascroofing.com
www.alumascroofing.com

Alumasc Building Products Ltd
 White House Works, Bold Road, Sutton St Helens, Merseyside WA9 4JG

Title:
**Derbigum BluRoof
 BluRoof Outlet**

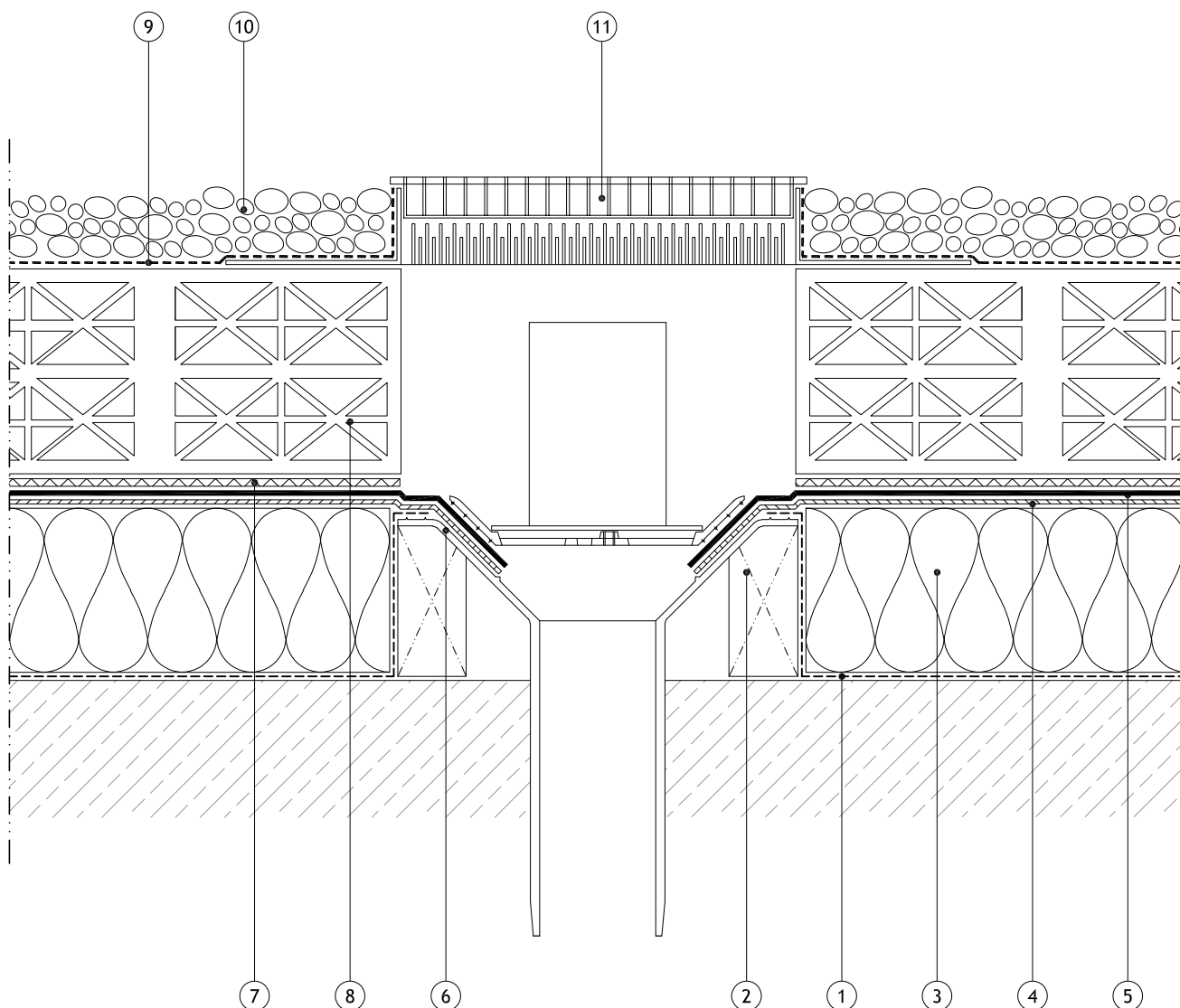
Drawing No:
RBM-BR 02 01 P

Revision:

Scale:
Not to Scale

Date:

© Copyright reserved

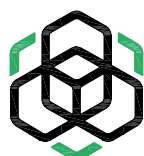


Section Key:

1. Alumasc air & vapour control layer.
2. Treated timber batten, by others, to be of reduced thickness to avoid creating a step in the waterproofing.
3. Alumasc thermal insulation, thickness determined to meet the U-value and dew point of the structure.
4. Alumasc underlay.
5. Derbigum BluRoof cap sheet, fully bonded by gas torch.
6. Alumasc BluRoof Overflow, height determined by maximum water depth.
7. Hydrodrain FC6.
8. BluRoof Void Former, depth required is subject to BluRoof calculations.
9. Alumasc BluRoof 225FF Filter Sheet.
10. Large rounded pebbles, 20-40mm grade.
11. Blackdown Inspection Chamber.

Flame-free installation methods and/or materials must be used around any combustible materials which may be encountered. The contractor must enforce a torch-free zone as dictated by their insurers; however, it is recommended that this must be a minimum of 900mm.

- This drawing was prepared to serve as a guideline representing typical detailing conditions and illustrate the correct application of Alumasc products only. It may be necessary to modify this detail in whole or in part in accordance with specific project conditions, design or requirements.
- Refer to the Alumasc project specification for product identification and method of application.



ALUMASC
ROOFING

+44 (0)1744648400
info@alumascroofing.com
www.alumascroofing.com

Alumasc Building Products Ltd
 White House Works, Bold Road, Sutton St Helens, Merseyside WA9 4JG

Title:
**Derbigum BluRoof
 Overflow**

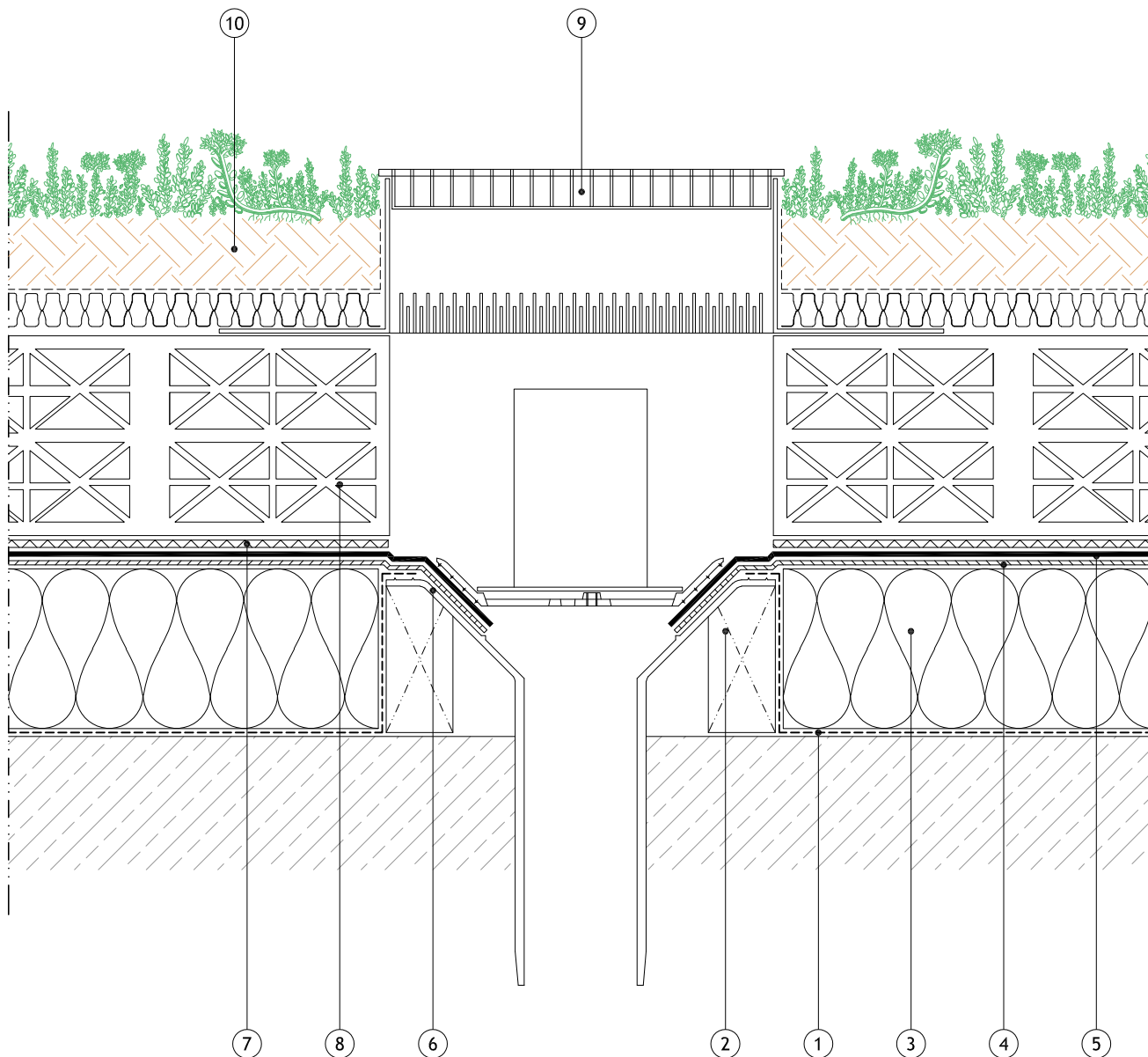
Drawing No:
RBM-BR 02 01 B

Revision:

Scale:
Not to Scale

Date:

© Copyright reserved

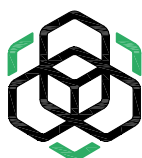


Section Key:

1. Alumasc air & vapour control layer.
2. Treated timber batten, by others, to be of reduced thickness to avoid creating a step in the waterproofing.
3. Alumasc thermal insulation, thickness determined to meet the U-value and dew point of the structure.
4. Alumasc underlay.
5. Derbigum BluRoof AR cap sheet, fully bonded by gas torch.
6. Alumasc BluRoof Overflow, height determined by maximum water depth.
7. Hydrodrain FC6.
8. BluRoof Void Former, depth required is subject to BluRoof calculations.
9. Blackdown Inspection Chamber.
10. Blackdown Green Roof - drainage layer, substrate and planting as per specification.

Flame-free installation methods and/or materials must be used around any combustible materials which may be encountered. The contractor must enforce a torch-free zone as dictated by their insurers; however, it is recommended that this must be a minimum of 900mm.

- This drawing was prepared to serve as a guideline representing typical detailing conditions and illustrate the correct application of Alumasc products only. It may be necessary to modify this detail in whole or in part in accordance with specific project conditions, design or requirements.
- Refer to the Alumasc project specification for product identification and method of application.



ALUMASC
ROOFING

+44 (0)1744648400
info@alumascroofing.com
www.alumascroofing.com

Alumasc Building Products Ltd
White House Works, Bold Road, Sutton St Helens, Merseyside WA9 4JG

Title:
**Derbigum BluRoof
Overflow**

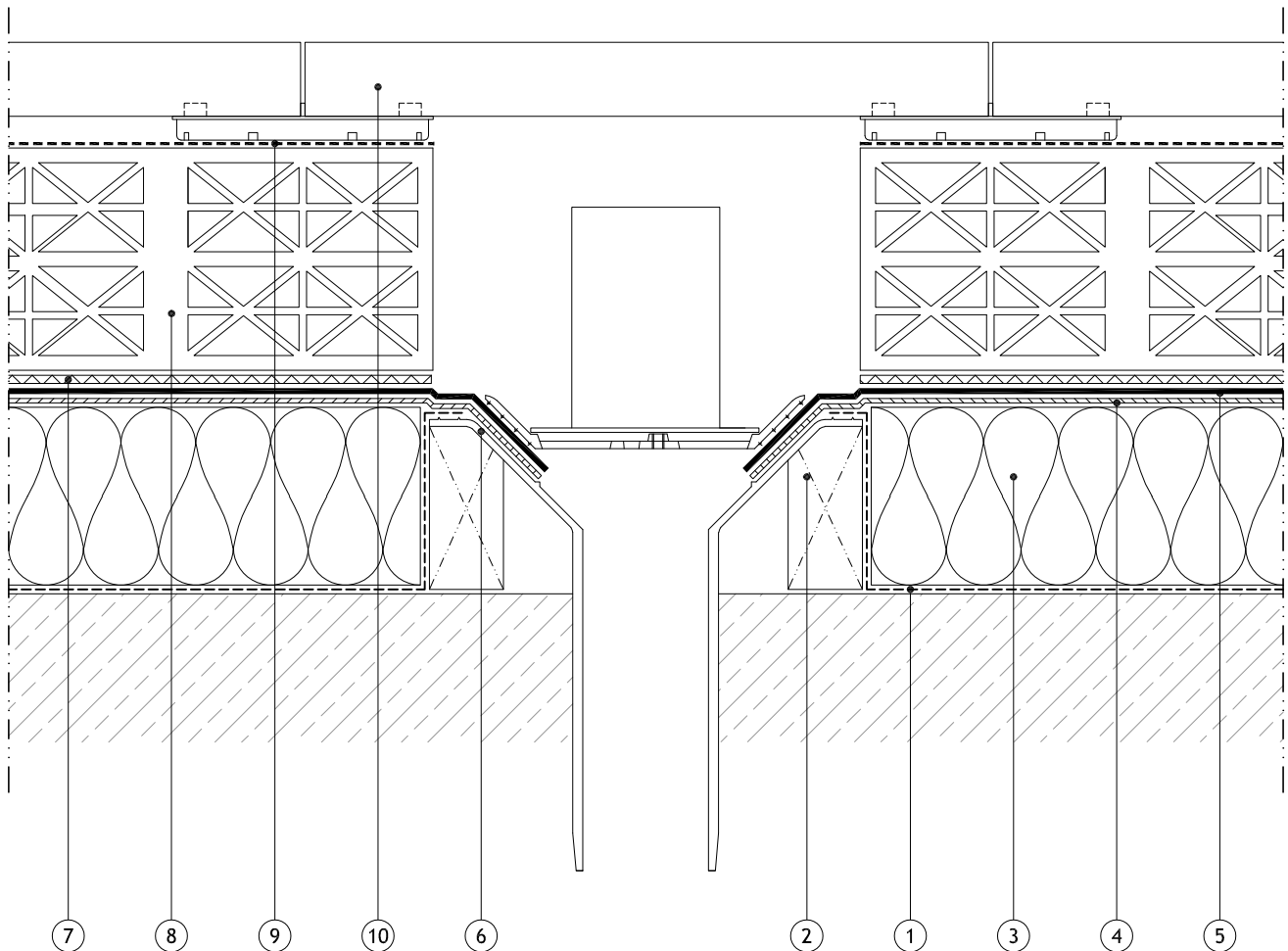
Drawing No:
RBM-BR 02 02 G

Revision:

Scale:
Not to Scale

Date:

© Copyright reserved

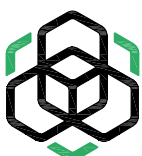


Section Key:

1. Alumasc air & vapour control layer.
2. Treated timber batten, by others, to be of reduced thickness to avoid creating a step in the waterproofing.
3. Alumasc thermal insulation, thickness determined to meet the U-value and dew point of the structure.
4. Alumasc base layer/s.
5. Derbigum BluRoof cap sheet, fully bonded by gas torch.
6. Alumasc BluRoof Overflow, height determined by maximum water depth.
7. Hydrodrain FC6.
8. BluRoof Void Former, depth required is subject to BluRoof calculations.
9. Alumasc BluRoof 225FF Filter Sheet.
10. Precast concrete paving slabs, by others, seated on Pedestal Pro paving supports.

Flame-free installation methods and/or materials must be used around any combustible materials which may be encountered. The contractor must enforce a torch-free zone as dictated by their insurers; however, it is recommended that this must be a minimum of 900mm.

- This drawing was prepared to serve as a guideline representing typical detailing conditions and illustrate the correct application of Alumasc products only. It may be necessary to modify this detail in whole or in part in accordance with specific project conditions, design or requirements.
- Refer to the Alumasc project specification for product identification and method of application.



ALUMASC
ROOFING

+44 (0)1744648400
info@alumascroofing.com
www.alumascroofing.com

Alumasc Building Products Ltd
 White House Works, Bold Road, Sutton St Helens, Merseyside WA9 4JG

Title:
**Derbigum BluRoof
 Overflow**

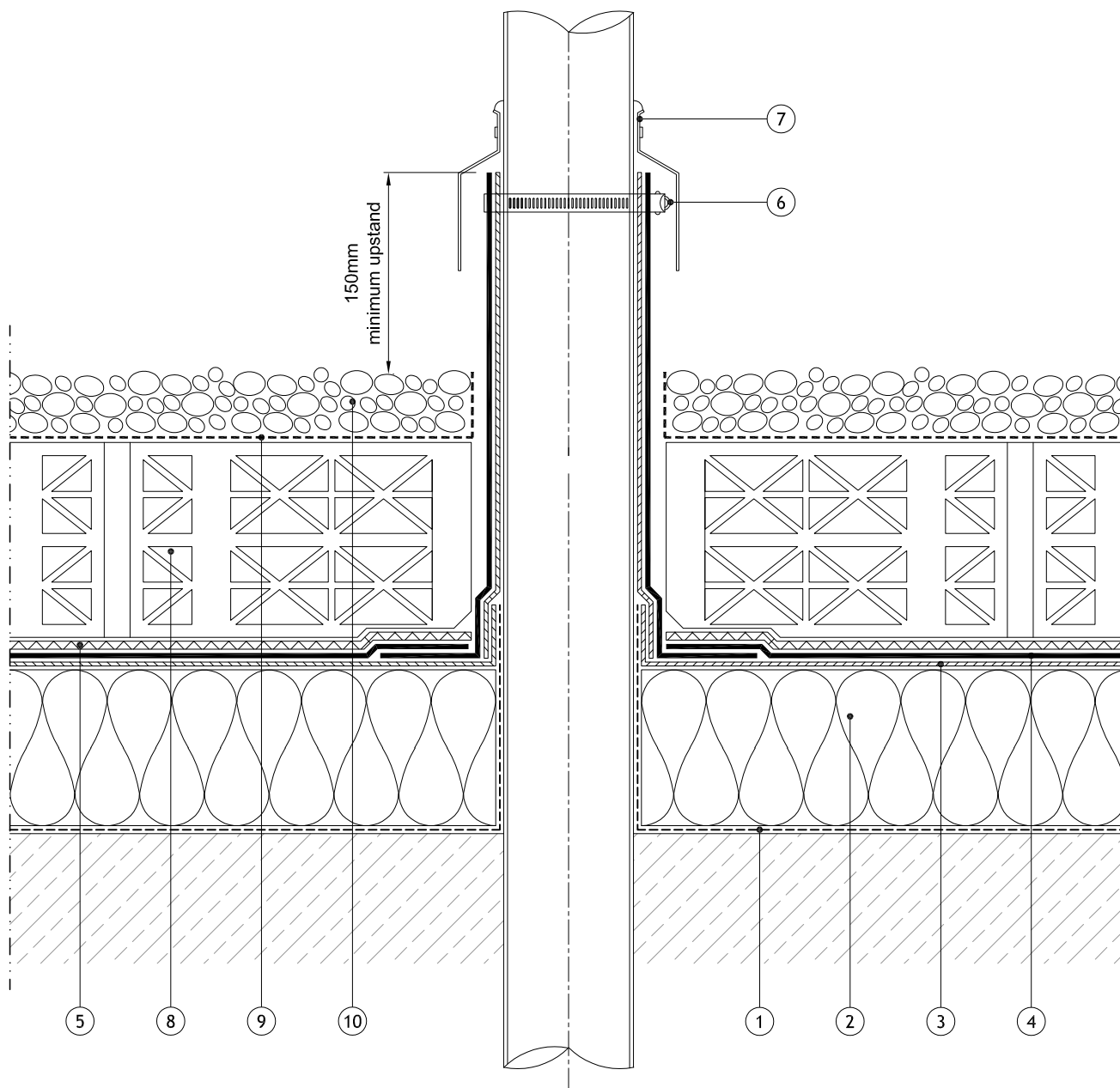
Drawing No:
RBM-BR 02 02 P

Revision:

Scale:
Not to Scale

Date:

© Copyright reserved

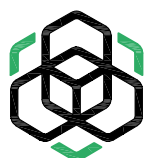


Section Key:

1. Alumasc air & vapour control layer.
2. Alumasc thermal insulation, thickness determined to meet the U-value and dew point of the structure.
3. Alumasc underlay.
4. Derbigum BluRoof cap sheet, fully bonded by gas torch.
5. Hydrodrain FC6.
6. Stainless steel jubilee clip, by others.
7. Metal apron flashing, by others.
8. BluRoof Void Former, depth required is subject to BluRoof calculations.
9. Alumasc BluRoof 225FF Filter Sheet.
10. Large rounded pebbles, 20-40mm grade.

Flame-free installation methods and/or materials must be used around any combustible materials which may be encountered. The contractor must enforce a torch-free zone as dictated by their insurers; however, it is recommended that this must be a minimum of 900mm.

- This drawing was prepared to serve as a guideline representing typical detailing conditions and illustrate the correct application of Alumasc products only. It may be necessary to modify this detail in whole or in part in accordance with specific project conditions, design or requirements.
- Refer to the Alumasc project specification for product identification and method of application.



ALUMASC
ROOFING

+44 (0)1744648400
info@alumascroofing.com
www.alumascroofing.com

Alumasc Building Products Ltd
 White House Works, Bold Road, Sutton St Helens, Merseyside WA9 4JG

Title:
Derbigum BluRoof
Skirting to Cold Pipe Penetration

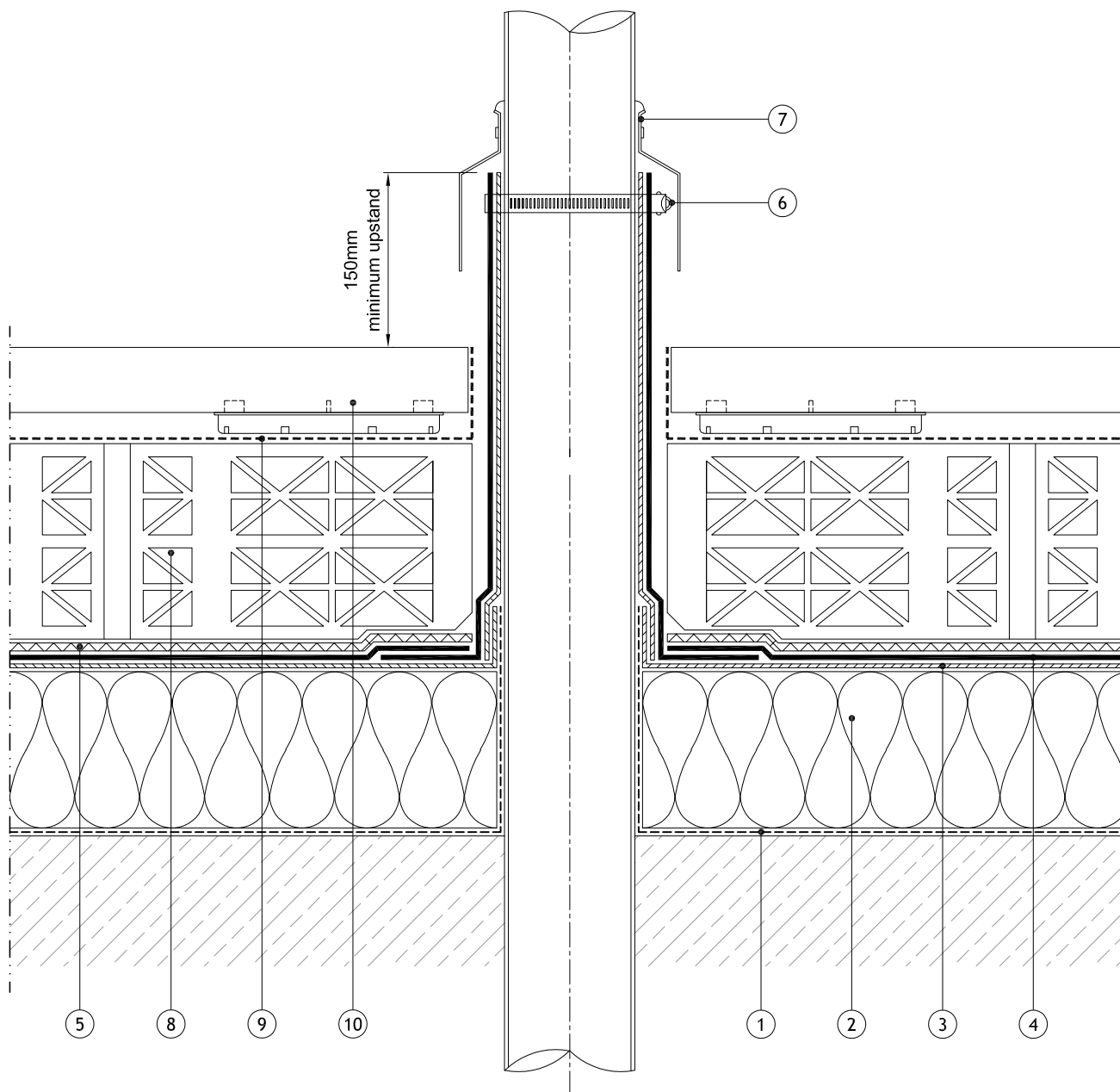
Drawing No:
RBM-BR 03 01 B

Scale:
Not to Scale

Revision:

Date:

© Copyright reserved

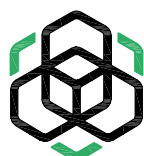


Section Key:

1. Alumasc air & vapour control layer.
2. Alumasc thermal insulation, thickness determined to meet the U-value and dew point of the structure.
3. Alumasc underlay.
4. Derbigum BluRoof cap sheet, fully bonded by gas torch.
5. Hydrodrain FC6.
6. Stainless steel jubilee clip, by others.
7. Metal apron flashing, by others.
8. BluRoof Void Former, depth required is subject to BluRoof calculations.
9. Alumasc BluRoof 225FF Filter Sheet.
10. Precast concrete paving slabs, by others, seated on Pedestal Pro paving supports.

Flame-free installation methods and/or materials must be used around any combustible materials which may be encountered. The contractor must enforce a torch-free zone as dictated by their insurers; however, it is recommended that this must be a minimum of 900mm.

- This drawing was prepared to serve as a guideline representing typical detailing conditions and illustrate the correct application of Alumasc products only. It may be necessary to modify this detail in whole or in part in accordance with specific project conditions, design or requirements.
- Refer to the Alumasc project specification for product identification and method of application.



ALUMASC
ROOFING

+44 (0)1744648400
info@alumascroofing.com
www.alumascroofing.com

Alumasc Building Products Ltd
 White House Works, Bold Road, Sutton St Helens, Merseyside WA9 4JG

Title:
**Derbigum BluRoof
 Skirting to Cold Pipe Penetration**

Drawing No:
BRM-BR 03 01 P

Revision:

Scale:
Not to Scale

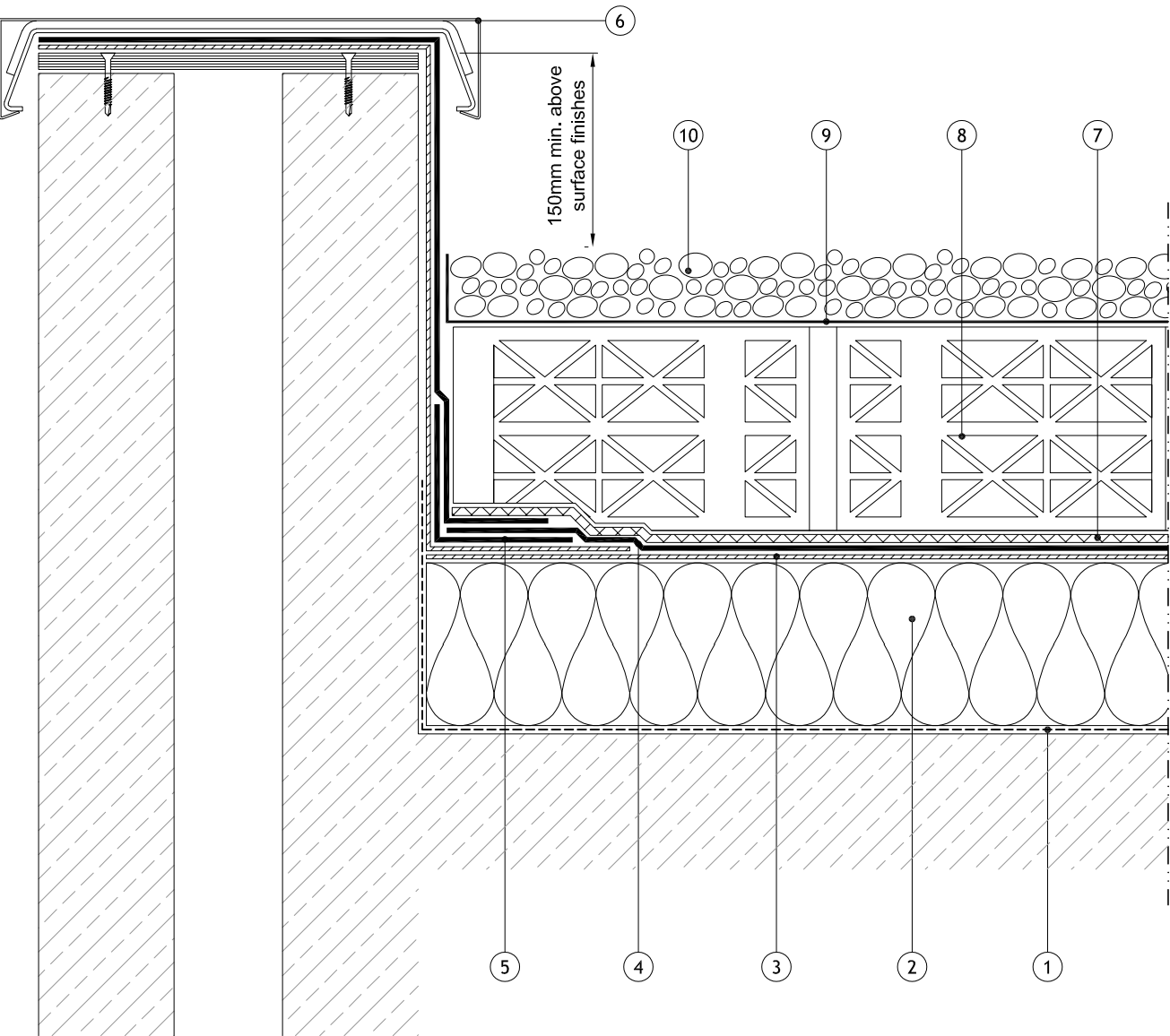
Date:

© Copyright reserved

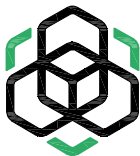
Section Key:

- 1. Alumasc air & vapour control layer.
- 2. Alumasc thermal insulation, thickness determined to meet the U-value and dew point of the structure.
- 3. Alumasc underlay.
- 4. Derbigum BluRoof cap sheet, fully bonded by gas torch.
- 5. Alumasc 100x100mm reinforcing strip into the angle, fully bonded by gas torch.
- 6. Alumasc non-penetrating coping system (Product Ref: Skyline coping shown), installed in accordance with Alumasc fixing instructions.
- 7. Hydrodrain FC6.
- 8. BluRoof Void Former, depth required is subject to BluRoof calculations.
- 9. Alumasc BluRoof 225FF Filter Sheet.
- 10. Large rounded pebbles, 20-40mm grade.

Flame-free installation methods and/or materials must be used around any combustible materials which may be encountered. The contractor must enforce a torch-free zone as dictated by their insurers; however, it is recommended that this must be a minimum of 900mm.



- This drawing was prepared to serve as a guideline representing typical detailing conditions and illustrate the correct application of Alumasc products only. It may be necessary to modify this detail in whole or in part in accordance with specific project conditions, design or requirements.
- Refer to the Alumasc project specification for product identification and method of application.



ALUMASC
ROOFING

Alumasc Building Products Ltd
White House Works, Bold Road, Sutton St Helens, Merseyside WA9 4JG

+44 (0)1744648400
info@alumascroofing.com
www.alumascroofing.com

Title:
Derbigum BluRoof
Parapet with Skyline Coping

Drawing No:
RBM-BR 04 01 B

Scale:
Not to Scale

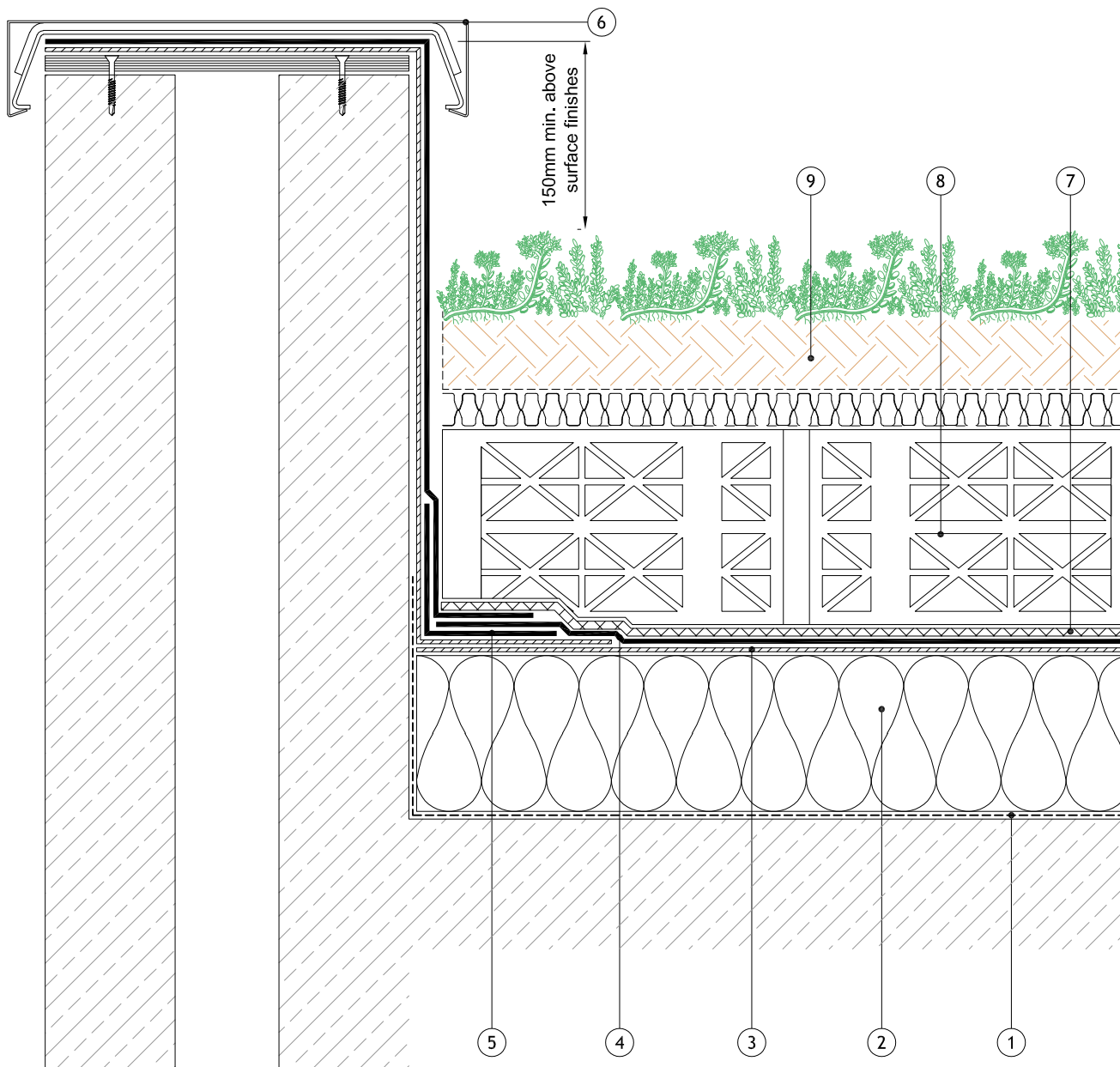
Revision:

Date:

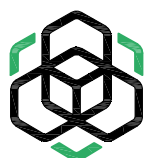
Section Key:

1. Alumasc air & vapour control layer.
2. Alumasc thermal insulation, thickness determined to meet the U-value and dew point of the structure.
3. Alumasc underlay.
4. Derbigum BluRoof AR cap sheet, fully bonded by gas torch.
5. Alumasc 100x100mm reinforcing strip into the angle, fully bonded by gas torch.
6. Alumasc non-penetrating coping system (Product Ref: Skyline coping shown), installed in accordance with Alumasc fixing instructions.
7. Hydrodrain FC6.
8. BluRoof Void Former, depth required is subject to BluRoof calculations.
9. Blackdown Green Roof - drainage layer, substrate and planting as per specification.

Flame-free installation methods and/or materials must be used around any combustible materials which may be encountered. The contractor must enforce a torch-free zone as dictated by their insurers; however, it is recommended that this must be a minimum of 900mm.



- This drawing was prepared to serve as a guideline representing typical detailing conditions and illustrate the correct application of Alumasc products only. It may be necessary to modify this detail in whole or in part in accordance with specific project conditions, design or requirements.
- Refer to the Alumasc project specification for product identification and method of application.



ALUMASC
ROOFING

+44 (0)1744648400
info@alumascroofing.com
www.alumascroofing.com

Alumasc Building Products Ltd
White House Works, Bold Road, Sutton St Helens, Merseyside WA9 4JG

Title:
**Derbigum BluRoof
Parapet with Skyline Coping**

Drawing No:
RBM-BR 04 01 G

Revision:

Scale:
Not to Scale

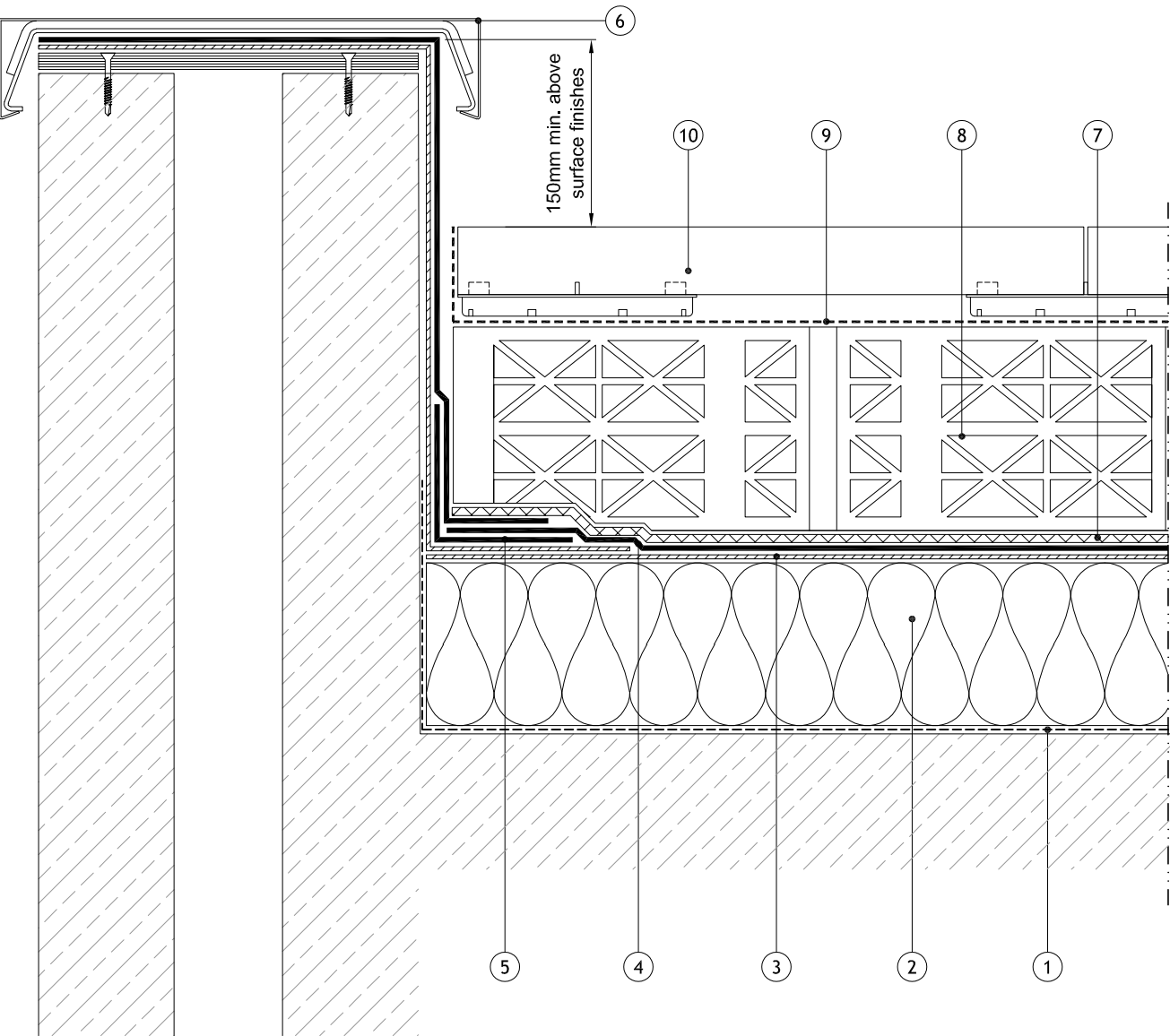
Date:

© Copyright reserved

Section Key:

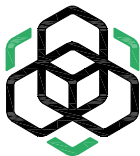
- 1. Alumasc air & vapour control layer.
- 2. Alumasc thermal insulation, thickness determined to meet the U-value and dew point of the structure.
- 3. Alumasc underlay.
- 4. Derbigum BluRoof cap sheet, fully bonded by gas torch.
- 5. Alumasc 100x100mm reinforcing strip into the angle, fully bonded by gas torch.
- 6. Alumasc non-penetrating coping system (Product Ref: Skyline coping shown), installed in accordance with Alumasc fixing instructions.
- 7. Hydrodrain FC6.
- 8. BluRoof Void Former, depth required is subject to BluRoof calculations.
- 9. Alumasc BluRoof 225FF Filter Sheet.
- 10. Precast concrete paving slabs, by others, seated on Pedestal Pro paving supports.

Flame-free installation methods and/or materials must be used around any combustible materials which may be encountered. The contractor must enforce a torch-free zone as dictated by their insurers; however, it is recommended that this must be a minimum of 900mm.



- This drawing was prepared to serve as a guideline representing typical detailing conditions and illustrate the correct application of Alumasc products only. It may be necessary to modify this detail in whole or in part in accordance with specific project conditions, design or requirements.

- Refer to the Alumasc project specification for product identification and method of application.



ALUMASC
ROOFING

Alumasc Building Products Ltd
White House Works, Bold Road, Sutton St Helens, Merseyside WA9 4JG

+44 (0)1744648400
info@alumascroofing.com
www.alumascroofing.com

Title:
Derbigum BluRoof
Parapet with Skyline Coping

Drawing No:
RBM-BR 04 01 P

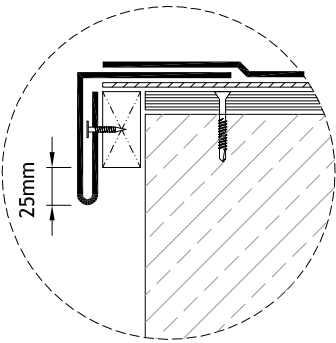
Revision:

Scale:
Not to Scale

Date:

© Copyright reserved

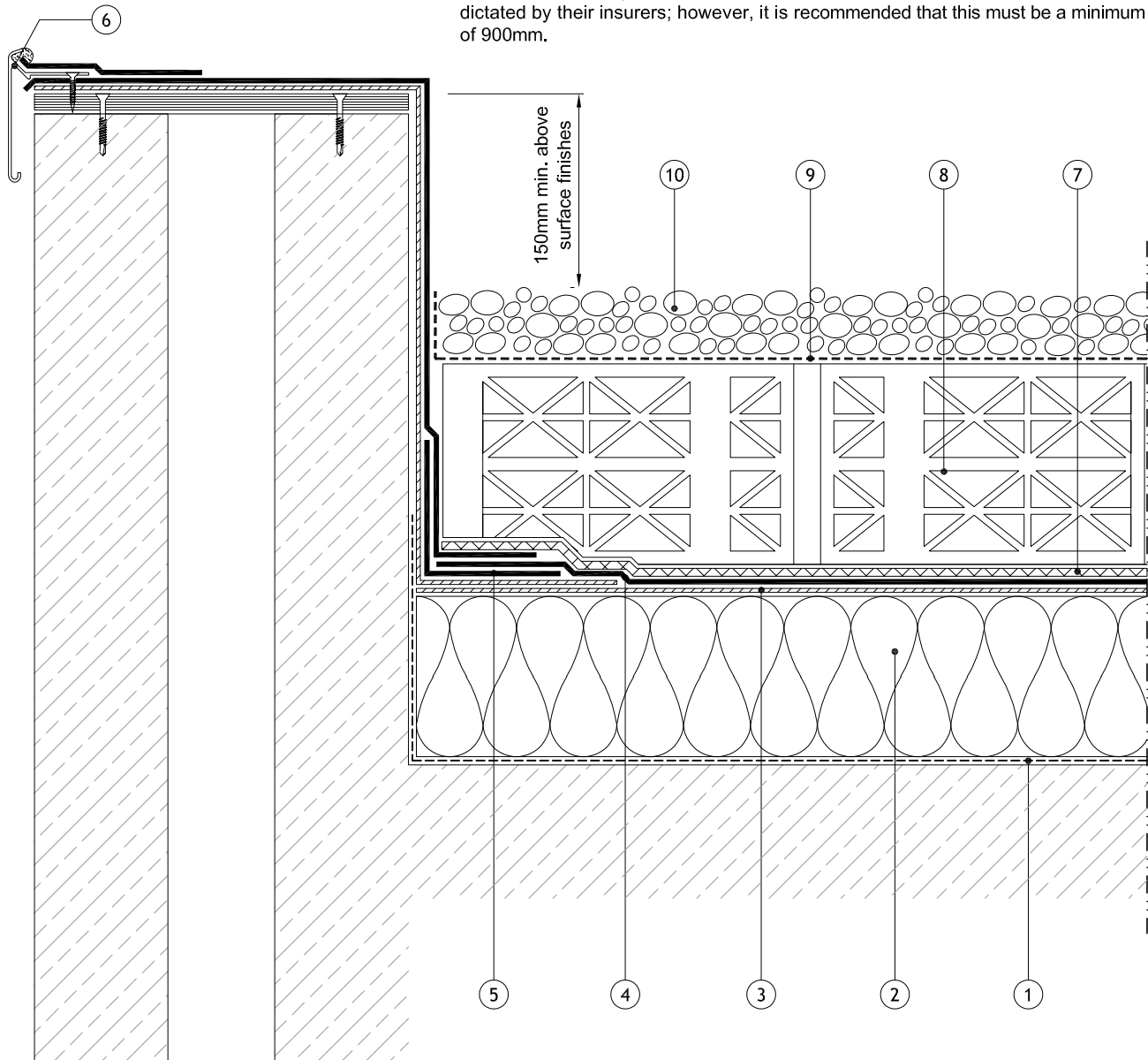
Welted drip edge option



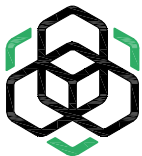
Section Key:

1. Alumasc air & vapour control layer.
2. Alumasc thermal insulation, thickness determined to meet the U-value and dew point of the structure.
3. Alumasc underlay.
4. Derbigum BluRoof cap sheet, fully bonded by gas torch.
5. Alumasc 100x100mm reinforcing strip into the angle, fully bonded by gas torch.
6. Alumasc GRP Check Trim (Product Ref: F100 shown), with Alumasc Derbitech sealstick HD mastic seal.
7. Hydrodrain FC6.
8. BluRoof Void Former, depth required is subject to BluRoof calculations.
9. Alumasc BluRoof 225FF Filter Sheet.
10. Large rounded pebbles, 20-40mm grade.

Flame-free installation methods and/or materials must be used around any combustible materials which may be encountered. The contractor must enforce a torch-free zone as dictated by their insurers; however, it is recommended that this must be a minimum of 900mm.



- This drawing was prepared to serve as a guideline representing typical detailing conditions and illustrate the correct application of Alumasc products only. It may be necessary to modify this detail in whole or in part in accordance with specific project conditions, design or requirements.
- Refer to the Alumasc project specification for product identification and method of application.



ALUMASC
ROOFING

+44 (0)1744648400

info@alumascroofing.com

www.alumascroofing.com

Alumasc Building Products Ltd
White House Works, Bold Road, Sutton St Helens, Merseyside WA9 4JG

Title:

Derbigum BluRoof
Parapet with GRP Trim / Welted Drip

Drawing No:
RBM-BR 04 02 B

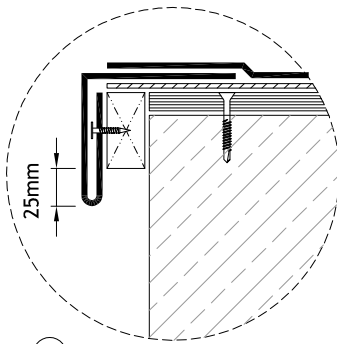
Scale:
Not to Scale

Revision:

Date:

© Copyright reserved

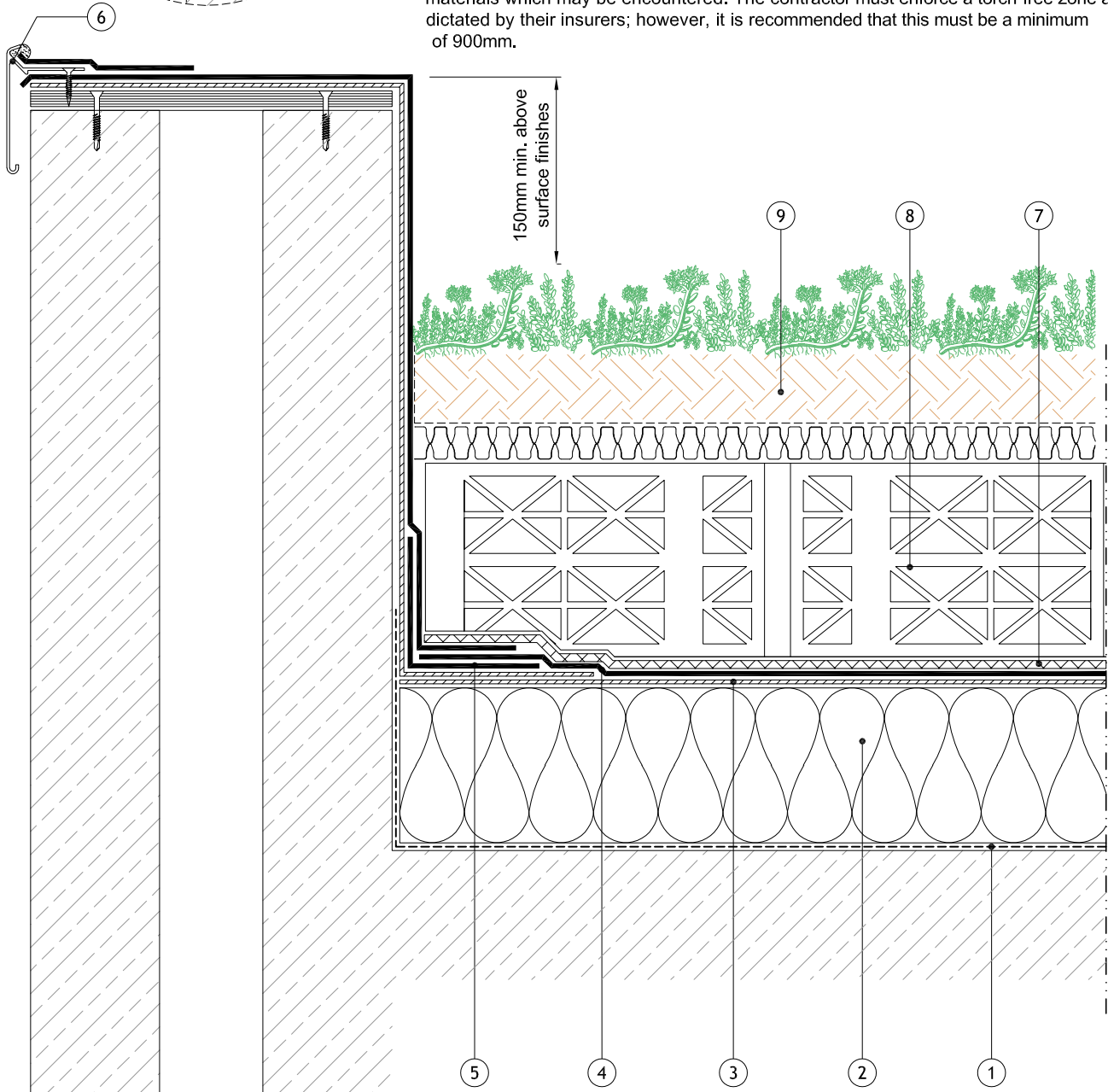
Welted drip edge option



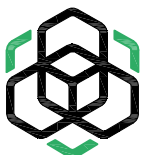
Section Key:

1. Alumasc air & vapour control layer.
2. Alumasc thermal insulation, thickness determined to meet the U-value and dew point of the structure.
3. Alumasc underlay.
4. Derbigum BluRoof AR cap sheet, fully bonded by gas torch.
5. Alumasc 100x100mm reinforcing strip into the angle, fully bonded by gas torch.
6. Alumasc GRP Check Trim (Product Ref: F100 shown), with Alumasc Derbitech sealstick HD mastic seal.
7. Hydrodrain FC6.
8. BluRoof Void Former, depth required is subject to BluRoof calculations.
9. Blackdown Green Roof - drainage layer, substrate and planting as per specification.

Flame-free installation methods and/or materials must be used around any combustible materials which may be encountered. The contractor must enforce a torch-free zone as dictated by their insurers; however, it is recommended that this must be a minimum of 900mm.



- This drawing was prepared to serve as a guideline representing typical detailing conditions and illustrate the correct application of Alumasc products only. It may be necessary to modify this detail in whole or in part in accordance with specific project conditions, design or requirements.
- Refer to the Alumasc project specification for product identification and method of application.



ALUMASC
ROOFING

+44 (0)1744648400
info@alumascroofing.com
www.alumascroofing.com

Alumasc Building Products Ltd
White House Works, Bold Road, Sutton St Helens, Merseyside WA9 4JG

Title:
Derbigum BluRoof
Parapet with GRP Trim / Welted Drip

Drawing No:
RBM-BR 04 02 G

Scale:
Not to Scale

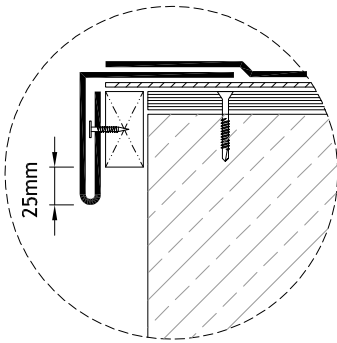
Revision:

Date:

© Copyright reserved

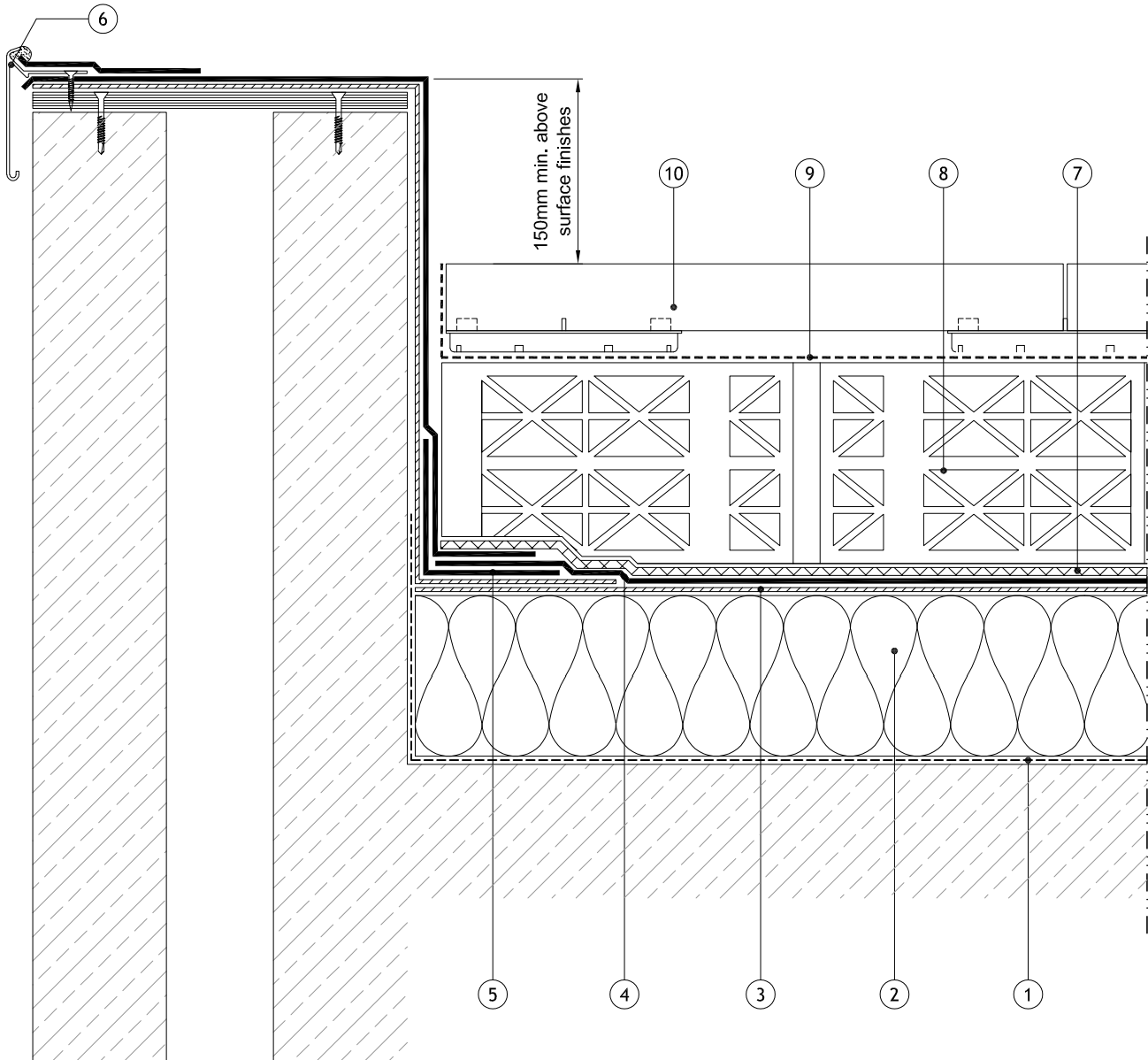
Section Key:

Welted drip edge option

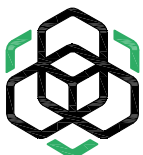


1. Alumasc air & vapour control layer.
2. Alumasc thermal insulation, thickness determined to meet the U-value and dew point of the structure.
3. Alumasc underlay.
4. Derbigum BluRoof cap sheet, fully bonded by gas torch.
5. Alumasc 100x100mm reinforcing strip into the angle, fully bonded by gas torch.
6. Alumasc GRP Check Trim (Product Ref: F100 shown), with Alumasc Derbitech sealstick HD mastic seal.
7. Hydrodrain FC6.
8. BluRoof Void Former, depth required is subject to BluRoof calculations.
9. Alumasc BluRoof 225FF Filter Sheet.
10. Precast concrete paving slabs, by others, seated on Pedestal Pro paving supports.

Flame-free installation methods and/or materials must be used around any combustible materials which may be encountered. The contractor must enforce a torch-free zone as dictated by their insurers; however, it is recommended that this must be a minimum of 900mm.



- This drawing was prepared to serve as a guideline representing typical detailing conditions and illustrate the correct application of Alumasc products only. It may be necessary to modify this detail in whole or in part in accordance with specific project conditions, design or requirements.
- Refer to the Alumasc project specification for product identification and method of application.



ALUMASC
ROOFING

+44 (0)1744648400
info@alumascroofing.com
www.alumascroofing.com

Alumasc Building Products Ltd
White House Works, Bold Road, Sutton St Helens, Merseyside WA9 4JG

Title:
Derbigum BluRoof
Parapet with GRP Trim / Welted Drip

Drawing No:
RBM-BR 04 02 P

Revision:

Scale:
Not to Scale

Date:

© Copyright reserved

ROOF NAME:

Calculation No: 1

PROJECT DETAILS

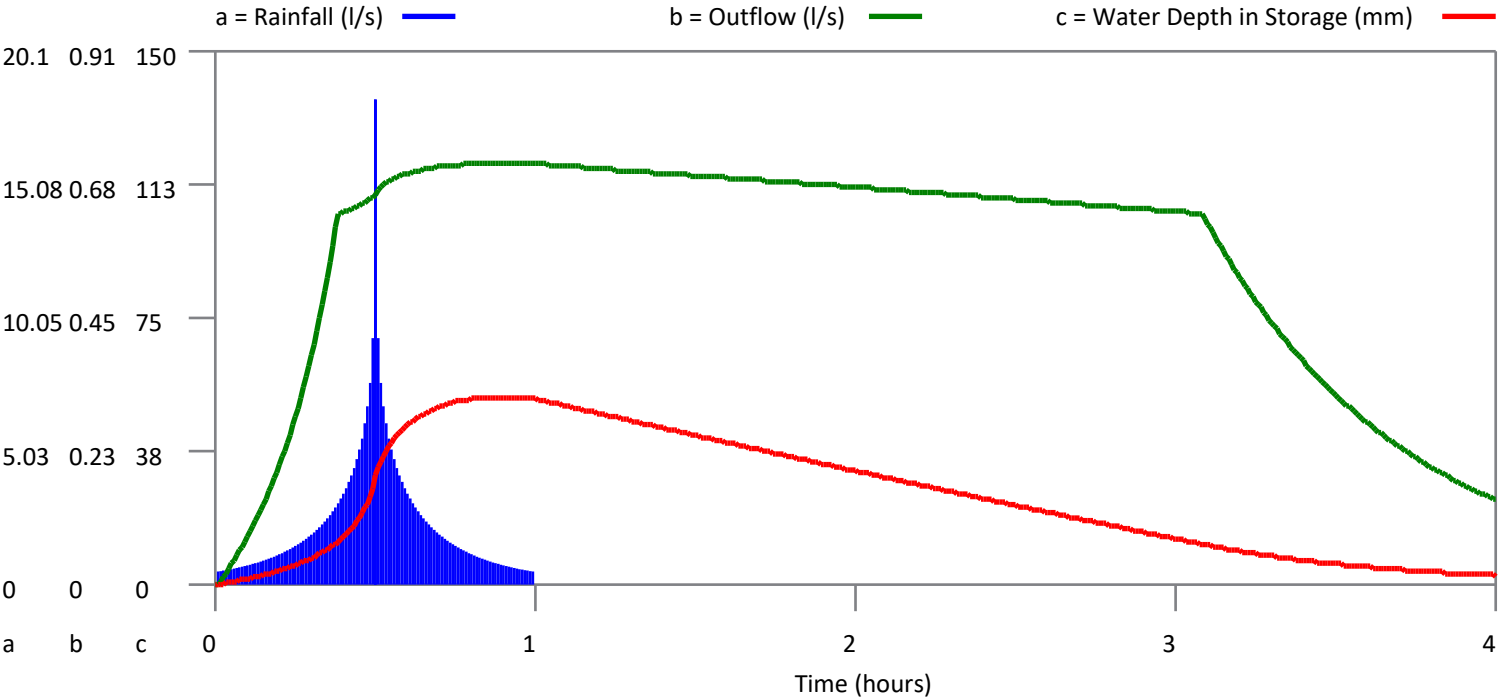
Location: Rusholme
Attenuation Area: 130 m² x 100 %
Total Catchment: 130 m²
Inflow from Other Roof/s: 0 l/s

DESIGN STORM INPUT		RAINFALL PROFILE			
Rainfall Method:	FEH	Duration	Intensity		Detention storage(m³)
Return Period:	100 years		mm	mm/h	
Climate Change Factor:	40 %	5 min	20.3	243.7	8.36
Intensity Profile:	50% Summer	10 min	29.8	178.6	9.95
Data File For Grid Point:	X = 384709 Y = 397715	15 min	37.2	148.9	10.98
		30 min	49.7	99.3	12.17
		45 min	57.4	76.5	12.61
		60 min	63.1	63.1	12.80
Length:	11.2 m	2 hours	75.6	37.8	12.47
Width:	11.6 m	6 hours	97.6	16.3	10.19
Depth:	150 mm	24 hours	129.4	5.4	4.41
Porosity	95 %	48 hours	148.9	3.1	2.22
Slope	1 %				

STORAGE DETAILS

BLUE ROOF RESPONSE

Design Outcome:	Pass	Attenuation Control:	Alumasc Orifice Restrictor
Critical Storm Duration:	1 hrs	Control Diameter:	15mm
Critical Rainfall:	63.1 mm/h	Discharge rate:	0.82 l/s
Detention Volume:	5.7 m³	No. of Outlets:	2
Maximum Stage Depth:	104 mm	Flow Per Outlet:	0.41 l/s
Time to Half Empty:	57.8 min		



Project: San Court - Car Park Roofs
Project ID: SP118889
Date of issue: 10/09/2021
Pages: 2 of 2

ROOF NAME:

Calculation No: 2

PROJECT DETAILS

Location: Rusholme
Attenuation Area: 130 m² x 100 %
Total Catchment: 130 m²
Inflow from Other Roof/s: 0 l/s

DESIGN STORM INPUT RAINFALL PROFILE

Rainfall Method:	FEH	Duration	Intensity		Detention storage(m³)
			mm	mm/h	
Return Period:	100 years	5 min	20.3	243.7	11.34
Climate Change Factor:	40 %	10 min	29.8	178.6	13.49
Intensity Profile:	50% Summer	15 min	37.2	148.9	14.88
Data File For Grid Point:	X = 384709	30 min	49.7	99.3	16.48
	Y = 397715	45 min	57.4	76.5	17.07
		60 min	63.1	63.1	17.31
		2 hours	75.6	37.8	16.85
		6 hours	97.6	16.3	13.72
		24 hours	129.4	5.4	5.91
		48 hours	148.9	3.1	2.92

STORAGE DETAILS

Length:	9.49 m	2 hours	75.6	37.8	16.85
Width:	17.1 m	6 hours	97.6	16.3	13.72
Depth:	150 mm	24 hours	129.4	5.4	5.91
Porosity	95 %	48 hours	148.9	3.1	2.92
Slope	1 %				

BLUE ROOF RESPONSE

Design Outcome:	Pass	Attenuation Control:	Alumasc Orifice Restrictor
Critical Storm Duration:	1 hrs	Control Diameter:	15mm
Critical Rainfall:	63.1 mm/h	Discharge rate:	0.84 l/s
Detention Volume:	5.7 m³	No. of Outlets:	2
Maximum Stage Depth:	112 mm	Flow Per Outlet:	0.42 l/s
Time to Half Empty:	56.5 min		

