



Sharston Refurbishment:
Hedgehill, Benchill & Bromley Court, Wythenshawe
ETICS Specification

ROCKWOOL®

ROCKWOOL LIMITED SPECIFICATION:

SYSTEM	:	REDArt™ Silicone External Wall Insulation System
FINISH	:	Rockwool Silicone topcoat – 1.5mm grain size
PROJECT NAME	:	Sharston Refurbishment: Hedgehill, Benchill & Bromley Court, Wythenshawe
RC NUMBER	:	113053730
SUBSTRATE	:	Blockwork/brick
U VALUE REF	:	TBC
LABC CERTIFICATE	:	Registration No. RD369A
SPEC VERSION	:	V1
SPEC AUTHOR	:	Matt East
SYSTEM SUPPLIER	:	Rockwool Limited, Wern Tarw, Pencoed, Bridgend, South Wales, CF35 6NY. Tel: 0871 222 1780 Fax: 0871 222 1781 Web. www.rockwool.co.uk

TO BE READ WITH THE PRELIMINARIES -

- Facades Systems Installation Manual
- Standard details pack –
- <http://rwiumbracouknew.inforce.dk/media/295192/facade%20systems%20standard%20details.pdf>
- MSDS documents for products detailed below are to be found on the

Rockwool website.

<http://www.rockwool.co.uk/technical+resources+centre/downloads/product+datasheets>

ROCKWOOL make and supply a full range of smart and sustainable insulation products for the construction industry based on innovative stone wool technology.

VERTICAL FIRE BARRIERS: Vertical Cavity fire barriers are not required with ROCKWOOL Ltd EWI Systems.

INSULATION : Rockwool External Wall Dual Density board 100mm thick,
ref: 122956
board size is supplied at 1200mm x 600mm

REVEAL INSULATION : Rockwool External Wall 30mm Mono density Board
board size is supplied at 1200mm x 600mm

FIXINGS	:	Rockwool TFIX-8S-155 Ref: 128356 Pull out test ref: Km 003
BOARD ADHESIVE	:	Rockwool Board adhesive: Ref 129817 Rockwool Insulation Board Adhesive is used to glue mineral wool boards onto different bases inside and outside a building. It can be used on various substrates including concrete, hollow brick, cement plasters and cement-lime plasters. Rockwool Insulation Board Adhesive is a dry mineral mixture, modified with synthetic polymers to improve elasticity. The product is frost and water-resistant.
BASE COAT	:	Rockwool FS Mortar 2: Ref 129819 Rockwool FS Mortar 2 is used to apply a reinforcing layer when insulating buildings. FS 2 Mortar is a cement-polymer based adhesive which is frost and water resistant and provides improved vapour permeability and enhanced mechanical strength. It has been designed and ideally suited for building refurbishment. Rockwool FS 2 Mortar is additionally reinforced with fibres
MESH	:	Universal Glass fibre plastic coated alkali resistant reinforcing mesh, Ref: 128132
SEALER/PRIMER	:	Rockwool Primer is ready to use and provides a layer that is firmly bound to the substrate and ensures optimum adhesion for the finish coat. Where coloured renders are used, the priming coat must be coloured to match. (TBC)
TOP COAT	:	Rockwool Silicone Topcoat render grain size 1.5mm, colours (TBC)
BASE PROFILE	:	N/A
CORNER PROFILE	:	See section 8.0 - Bead to be exposed PVC corner bead – size 10mm
EXPANSION BEAD	:	(If required) as per system designers detail and outlined in section 8.0
SUNDRY ITEMS	:	Rockwool Sealing Tape 15mm wide x 8.0 m long (Must be used) (ref.128162). Rockwool Base Profile Fixing Screw (ref.128171) Connection clips (ref.128309)

Aluminium / UPVC sills and end caps – to be supplied by others if required.

1. DELIVERY RESTRICTIONS

Delivery restrictions should be agreed and all parties notified prior to this specification being

written. (TBC)

2. SAMPLES

Small scale samples must be used for the selection of the project colour to ensure a true visual representation of the material is obtained.

Once colour selection has been made, a sample reference panel must be constructed on site for approval. This panel should be a minimum of 1m² and constructed using the approved colour as final confirmation. If possible, the reference panel should incorporate indicative junction details such as window sill.

3. PROTECTION

Responsibility of protection is to be decided between main contractor and installer. All doors, windows, frames, fascia's and other areas of the of the existing structure not forming part of this section of works shall be fully protected by means of masking tape and polythene sheeting or other acceptable alternative means. All area's of existing paths and paved areas and landscaped works shall be adequately covered to avoid damage by all external insulation works including scaffolding erected in connected therewith.

Protection to new work during inclement weather must be provided taking into account the worst weather conditions that can reasonably be anticipated. Local weather forecasts must be monitored and if necessary, modify the form of protection accordingly. Failure to carry out such protective measures will make any resulting failure in the Rockwool products the sole responsibility of the designated contractor.

Any damage caused by the specialist external insulation installer to the existing surface of the windows, and /or the paved and landscaped area's during the execution of the works shall be made good, cleaned off or replaced to the satisfaction of the client, before practical completion.

4. WEATHER CONDITIONS

Application of the system must only be carried out in suitable weather conditions. Rockwool renders and adhesives must not be applied in rain, fog or mist or at temperatures below 5°C on a falling thermometer or 3°C on a rising thermometer or above 30°C, or if exposure to frost is likely to occur during curing. Rockwool renders and adhesives must not be applied to saturated or frost bound walls and insulation boards that may have become wet. In sunny weather, work should commence on the shaded elevations and be continued round following the sun to prevent the renders and adhesives being prone to accelerated curing.

5. PROGRAMMING THE WORKS

The Contract Administrator must ensure that the work is programmed to be carried out during suitable weather conditions, taking into consideration seasonal variations and allow sufficient time in the programme for inclement weather.

6. SCAFFOLDING

Scaffolding is the sole responsibility of the contractor.

Wherever possible independent scaffolding should be used to avoid the need to subsequently make good holes and other breaks in the work. Any making good will be visible and it is recommended that if this is unavoidable, this should be incorporated into the reference sample panel and agreed with the Contract Administrator.

Where the scaffolding is required to be tied back to the building it is normal to recommend and provide access points for future scaffolding required for maintenance, inspection and repairs.

The scaffolding must be arranged to enable good access to be obtained to the whole of the face of the building and sufficient clearance for working is to be provided between the scaffolding and the finished surface of the external wall insulation system. An allowance must be made included for the thickness of the finished system on the face of the building.

The working platform must be clear from debris and site dust prior to the application of the finish coats to avoid dirt lines on the finished system.

7. PREPARATORY WORK

Prior to the installation it is essential that on-site investigation and pull out tests are to be carried out by Rockwool to determine the type and length of fixings.. Results of these tests shall be made available to the architect, the main contractor and the system designer. The amount of fixings to be installed as per the relevant BBA certificate or from the result of wind loading calculations.

The condition of the stability of the substrate must be considered and that of the integrity of any coatings or finishes applied to it. All loose and friable coatings and renders must be removed. In the case of render removal, isolated patches must be re- rendered flush with the sound existing render. Should render to the entire wall or elevation facades be removed, it is not necessary to re render unless required for levelling or structural reasons. Where wholesale render has been removed, the use of mechanical fixings is still required.

Should the substrate have been exposed to atmospheric conditions, any organic growth this must be removed and neutralized prior to the installation of the system using Rockwool Fungicidal Wash ref. 128274 (supplied in 10l units).

All associated builders works such as removal of fixtures and fittings, alterations to services, fences, gate posts, restricting foliage, temporary or light structures (greenhouses, garden sheds and the like), porches, canopies, removal of unnecessary architectural features etc.is to be carried out prior to commencement of the system.

This specification is based on the substrate being of sound condition and capable of supporting the additional loads being applied. Should any remedial work be required, this should be surveyed and carried out by a competent person.

If required, window cills and copings are to be extended to ensure a minimum 30mm overhang (preferably 35-40mm) from the face of the finished system to the back of the drip.

Repairs to major defects and cracks in the surface of the existing structure are deemed to have been carried out prior to the application of the Rockwool system.

8. SYSTEM INSTALLATION

- a. **LINE AND LEVEL:** The terms “line and level” used in conjunction with this specification refer only to dealing with minor localised variations in the surface to which the system is applied.

The system cannot correct major variations in line and level over several storeys in height and over large areas, and in these cases will follow the line of the existing building unless these irregularities are overcome by a prior treatment.

The contractor must inspect the existing wall and agree a suitable line and level with the Contract Administrator. If deemed necessary, a suitable levelling coat should be applied. If a levelling coat is applied, please check the mechanical fixing length to ensure the specified embedment is being achieved.

- b. **BASE PROFILE:** Existing concrete bell cast drips (if fitted) at DPC level should be hacked off and, made good to except the base profile. The aluminium base profile is to be fixed using Rockwool Base Profile Fixing Screw (ref.128171) at maximum 300mm centres just above the DPC line. Care must be taken to ensure a true horizontal line is maintained. Adjoining sections of base profile must be connected using connection clips (ref.128309) to provide continuity and accommodate expansion and contraction of the Base profile. The base profile should be carefully cut, mitred and formed at corners ensuring all cut sections are connected using connection clips.

The standard Rockwool base profile should be used with the addition of a PVC clip on nosing. Alternatively, purpose made base tracks with an integral drip nosing can be used.

- c. **EXTERNAL FIXTURES & FITTINGS:** Treated timber blocks or battens to the depth of the insulation shall be fitted to enable the refit of the rainwater pipes and other items that require refitting to the façade. Care should be taken to locate the timber blocks once the system has been installed and covered with render. The pattsess blocks should be covered with a 250mm x 500mm scrim patch at 45° with a minimum 100mm overlap.

Fixtures that are not fitted to patresses should be installed strictly as per the Fixtures manufactures instructions and recommendations.

These will need to have Rockwool approval before installation can take place.

- d. **INSULATION BOARDS:** The insulation boards are to be Rockwool Dual Density external wall boards supplied at 1200mm x 600mm in size and a thickness of **(100)** mm. The insulation is to be fixed using mechanical fixings as detailed in Clause 7.6. The Rockwool Dual Density Insulation boards shall be fixed starting at the base profile and working up the building. The vertical joints shall be staggered in a brick bond format and no cut boards less than 200mm wide shall be used. Together with all the necessary standard accessories and fixings, insulation shall be fixed strictly in accordance with the Rockwool BBA certificate and standard installation procedures. Around all openings the insulation board should be cut and fixed to ensure that no board joint occurs within 200mm of the corner of the opening.

Please to refer the Installation manual

Rockwool Dual Density insulation boards are branded on the harder outer surface. This surface is to be installed facing outwards ready to receive the base coat. Any insulation boards fitted the wrong way need to be removed and replaced accordingly.

- e. **BOARD ADHESIVE:** Two methods can be used for applying the adhesive to the back of the insulation board. Both methods use Rockwool Insulation Board Adhesive Ref: 129817 which is a dry mineral mixture, modified with synthetic polymers to improve elasticity and supplied in 25kgs bags. Mix the mortar with approximately 5.5 litres of clean water.

- i. **FULL COMB METHOD:** The adhesive is to be applied to the back of the insulation board using a 10 X 10 square notched stainless steel trowel ensuring the adhesive knits with the fibres. The ridges created using the notched trowel should not be made level as this allows for some minor adjustment once offered to the wall.
- ii. **DOT AND DAB:** A continuous ribbon band of adhesive is to be applied to the outer edge on the rear of the insulation board. A minimum of 3 Dabs of mortar are to be applied to the rear of the board to a maximum thickness of 15mm ensuring a minimum coverage rate of 50%. Prior to the application of the adhesive dabs, a tight scratch coat is required in these locations to ensure the adhesive knits with the fibres.

- f. INSULATION FIXINGS:** Fixings are positioned 100 – 150mm in from each corner and one in the centre of the 1200 x 600mm insulation board, equalling a total of 5 per board (8 per m² approx.). Extra fixings are required around windows and door reveals at a maximum spacing of 300mm. Please refer to Rockwool standard detail RWSD (00) 010

2, 3 & 4 storey

Fixings are positioned along the centre line of the 1200 x 600mm insulation board 150mm in from the side, equalling a total of 3 per board (5 per m²). Extra fixings are required around windows and door reveals at a maximum spacing of 300mm. Please refer to Rockwool standard detail RWSD (00) 011 and 012.

5 storey

Fixings are positioned along the centre line of the 1200 x 600mm insulation board 150mm in from the side, equalling a total of 3 per board (5 per m²). Extra fixings are required around windows and door reveals at a maximum spacing of 300mm. Please refer to Rockwool standard detail RWSD (00) 013.

Fixings are positioned 100 – 150mm in from each corner of the 1200 x 600mm insulation board, equalling a total of 4 per board (6 per m²). Extra fixings are required around windows and door reveals at a maximum spacing of 300mm. Please refer to Rockwool standard detail RWSD (00) 014.

8 storey

Fixings are positioned 100 – 150mm in from each corner of the 1200 x 600mm insulation board, equalling a total of 5 per board (8 per m²). Extra fixings are required around windows and door reveals at a maximum spacing of 300mm. Please refer to Rockwool standard detail RWSD (00) 015 & 016.

Fixings lengths are to be specified after the pull out test has been carried out.

- g. SEALANTS:** All junctions between the insulated render system and other building materials such as window and door frames, overflow pipes, boiler flues, eaves and wall vents must be sealed using the Rockwool Sealing Tape (ref.128162).

On completion of the top-coat render/finish application a 5mm bead of silicone sealant must be applied to all junctions of the insulation of the insulation render system and other buildings materials such as window and door frames, eaves and wall vents. All work shall be executed by competent tradesmen employed by the approved specialist contractor, and who have completed the Rockwool training course.

- h. VERTICAL EXPANSION JOINTS:** Should vertical expansion joints be required this should be in the form of: -
- i. MOVEMENT UP TO ± 3mm:** A 5mm gap should be left between the insulation boards in a vertical line at the location of the expansion joint. This gap should be sealed using the Rockwool Sealing Tape (ref.128162). A surface mounted movement joint should be installed to the face of the insulation breaking up the reinforcing render and finish coat (ref. 128529) (ref. 128682 for 10mm and 128683 for 15mm).
 - ii. MOVEMENT UP TO ± 20mm:** The required gap should be left between the insulation boards in a vertical line at the location of the expansion. A full depth gasket movement joint should be installed to the face of the insulation breaking up the reinforcing render and finish coat (please contact Rockwool).

- iii. **HORIZONTAL EXPANSION/COMPRESSION JOINTS:** Please contact Rockwool for project specific guidance.

- i. **CORNER PROFILES:** Corner profiles shall be installed at all external corners. The profile is to be Rockwool Universal Corner Profile, plastic with pre-bonded mesh (ref.128540), or Rockwool Exposed Corner Bead 10mm (ref. 128527). Exposed corner beads are also available without the nosing upon request.

These are to be fixed using the base coat adhesive in Clause 8.1. The corner profile is to be pressed into the mortar with any excess mortar trowelled smooth. Should a temporary mechanical fix be required, this should be in the form of a non-ferrous nail which must be removed prior the application of the base coat or fir tree fixings which can be left insitu.

- j. **RENDER/COLOUR SEPERATION DRIP BEAD.** Should this be required for the separation of different colour choices, this is to be PVC drip bead (ref. 128528) for 10mm render, (ref.128682) for 15mm render. This is to be installed on top of the main reinforcement coat in a horizontal line with the adhesive outlined in Clause 8.1. A minimum 100mm wide mesh bandage must be applied to the top half of the bead for additional security at this location (Rockwool standard detail RWSD (21) 026).

- k. **PARTY WALL JUNCTIONS:** At junctions of private properties, the insulation should be stopped 20mm short of the party wall and the render and decorative finishes returned to the face of the existing wall, this should then be sealed with a low modular silicone sealant. OR use a full system stop as per detail RWSD (21) 010

9. RENDER WORKS

All work shall be carried out in strict accordance with **BS EN 13914-1:2005 and BS 8000 Jan 2011**. The renders are pre-bagged, only water is required on site and is to be mixed strictly in accordance with the manufacturer's instructions as printed on the bag. **No other additives are required or permitted.**

- a. **BASE COAT/SCRIM ADHESIVE:** To be mixed the mortar with approximately 5.5 litres of clean water. A thickness between 4 – 8mm coat of Rockwool FS Mortar 2: (Ref.129819) shall be applied and reinforcement mesh (Ref.128132) is trowelled in with all joints overlapped by 100mm. Extra patches approximately 250mm by 500mm shall be applied diagonally at each corner of all openings and penetrations such as windows, doors and boiler flue outlets (please see Rockwool standard details RWSD (00) 020 and (21) 030). Coating of newly applied render is to be delayed as long as possible, particularly in wet weather, mist, and fog or cold conditions, to allow the base coat to cure. A minimum of **48 hours** in good conditions is normally accepted.

- i. **ROCKWOOL MASONRY SEALER / PRIMER (TBC):** Prior to the application of the Top-coat, suction of the base coat should be assessed on site and if deemed necessary, the base coat should receive a mist coat of clean water to reduce the suction levels. Alternatively another coat of Rockwool Masonry Sealer / Primer can be used.
- ii. **LIME BLOOM:** Render material containing Portland cement may be subject to lime bloom during the application and curing process. The occurrence of this may be reduced by programming the work to be carried out during suitable weather conditions and by provision of adequate protection from rain, cold and mist or fog conditions during curing and hardening of the render. Lime bloom is a natural occurrence and it can be expected to disappear with time, the rate depending on the environment to which it is exposed.

Adequately priming the base coat can greatly reduce the risk of lime bloom.

- b. **ROCKWOOL SILICONE TOPCOAT FINISH (TBC):** When the base coat has cured as above, apply one coat of Rockwool silicone topcoat through colour render, all to the satisfaction of the supervising officer.
 - i. **AVOIDANCE OF COLOUR SHADING:** To minimise colour shade variations and to avoid joints, continuous surfaces should be completed without a break. If breaks cannot be avoided they should be made where services or architectural features, such as downpipes, reveals or lines of doors and windows to help mask the joints. Where long uninterrupted runs are planned, sufficient material should be ordered in one batch to complete this section of works. Mixing of batch numbers on one elevation is not advisable.

When planning the works, sufficient material should be placed to one side for making good any works such as, but not limited to scaffold ties. This material should be from the same batch number as the material used for that elevation. If the making good is to be carried out later in the programme, it should be noted that the making good will need time to weather the same as the completed works. Any making good will be visible and it is recommended that if this is unavoidable, this should be incorporated into the reference sample panel and agreed with the Contract Administrator.

10. FINAL CLEANING

Remove masking tape and polythene sheeting, clean off all marks, blemishes and splashes and all traces of render and mastic from windows, door frames, sills and other affected surfaces and leave the works complete to the satisfaction of the architect, client etc.

- a. **PLANTS AND SHRUBS:** Where practical and in consultation with the occupants, all plants and shrubs shall be carefully pulled away from the wall/property. Any plants/hanging baskets that need to be re-attached must be fixed using the approved fixing
- b. **TEMPORARY WORKS:** During the progress of the external insulation works temporary diversions to the existing gutters (after temporary removal of the rainwater pipes) must be provided and maintained, such diversions shall be to the architects satisfaction and must not impede the erection of the scaffolding or the progress of the works.

11. STORAGE AND HANDLING

Care should be taken in offloading, distribution and storage of the materials. Products should be protected, until ready for use, by maintaining the wrappings and protection afforded since factory dispatch.

Ideally all products should be stored within a secure location, protected from the weather and with a provision for temperature moderation to eliminate damage to the products.

Powder bags to be stacked on pallets, above ground, clear of surface water and splash back, with overall precipitation protection. In cold weather bag products should be stored in protected environs.

Tub products, such as primers and top coats, must be stored in temperature controlled conditions in cold periods to avoid frost/freeze damage and to avoid prolonged or intense exposure to the sun.

12. INSPECTION

All work shall be subject to regular inspection and acceptance by the Architect or his representative, and by the manufacturer's technical representatives. All work to be executed in compliance with the employer's requirements, good practice and in strict accordance with the systems instructions. Any work failing to comply with any of the above shall be taken down and re-fixed, at the contractor's own expense if they fail to comply with any of the above.

13. REMOVAL OF CONSTRUCTION WASTE

Insulation boards can be recycled as per Rockwool's recycling scheme. Please follow the link here to find out about the Rockwool recycling scheme.

<http://www.rockwool.co.uk/why+rockwool-c7-/sustainability/recycling+rockwool%C2%AE>

Remove and dispose of all debris, surplus material and redundant protective material during the course of the work as per the site waste management plan.

Mortar and cement based products should be disposed of in accordance with the relevant MSDS documentation.

14. COVERAGE RATES

Rockwool Limited will not, under any circumstances, guarantee coverage rates quoted for products. The rates quoted are based on site experience but may vary due to site conditions, operator skills etc. Contractors quoting for contracts must ensure that coverage figures can be achieved in each particular instance. No claim against Rockwool Limited will be allowed relating to coverage of materials.

15. DUBBING OUT

Where necessary, existing walls which are to receive the insulation render system shall be dubbed out using a dubbing mortar.

16. EXTERNAL PLUMBING

Modification of overflows shall be made to accommodate the new system thickness. These alterations must be continuous through the Rockwool Insulation system without any joints.

OUR SPECIAL INGREDIENT

ROCKWOOL® insulation products are made from stone wool – a blend of naturally occurring volcanic diabase rock. It's the special ingredient that ensures ROCKWOOL® insulation protects against unwanted noise, fire, and provides unrivalled durability at no cost to the environment.

It's a 4-in-1 solution.



SUPERIOR FIRE RESISTANCE

Put simply, rock won't burn. That's why our stone wool products have naturally occurring fire resistant qualities that cannot be matched and improve the fire resistance of the construction.



EXCELLENT ACOUSTICS

ROCKWOOL®'s unique properties can help to reduce the effect of noise.



UNRIVALLED DURABILITY

Nothing lasts like solid rock. ROCKWOOL® won't shrink, won't move and won't crumble. It is so durable it will maintain its performance for the lifetime of the building.



SUSTAINABLE MATERIALS

Made from a renewable and plentiful natural resource, ROCKWOOL® insulation saves fuel costs and energy in use. And it's 97% recyclable, too.

ROCKWOOL® is the economical and practical insulation choice to:

- Reduce waste
- Achieve thermal and acoustic benefits in one
- Maximise performance of the building

ROCKWOOL LIMITED SPECIFICATION:

SYSTEM	:	Brickshield External Wall Insulation System
FINISH	:	Brickslips - 20mm thick
PROJECT NAME	:	Sharston Refurbishment: Hedgehill, Benchill & Bromley Court, Wythenshawe
RC NUMBER	:	113053730
SUBSTRATE	:	Blockwork/brick
U VALUE REF	:	TBC
BBA CERTIFICATE	:	BBA 13/4997
SPEC VERSION	:	1
SPEC AUTHOR	:	Matt East
SYSTEM SUPPLIER	:	Rockwool Limited, Wern Tarw, Pencoed, Bridgend, South Wales, CF35 6NY. Tel: 0871 222 1780 Fax: 0871 222 1781 Web. www.rockwool.co.uk

TO BE READ WITH THE PRELIMINARIES -

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- Standard details pack
- 3rd Party certification – BBA / LABC etc
- MSDS documents for products detailed below are to be found on the Rockwool website

ROCKWOOL make and supply a full range of smart and sustainable insulation products for the construction industry based on innovative stone wool technology.

VERTICAL FIRE BARRIERS: Vertical Cavity fire barriers are not required with ROCKWOOL Ltd EWI Systems.

INSULATION	:	Rockwool External Wall Façade Ultra board, thickness 120mm ref: 123341 board size is supplied at 1000mm x 500mm
REVEAL INSULATION	:	Rockwool External Wall 30mm Mono density Board board size is supplied at 1200mm x 600mm
FIXINGS	:	Rockwool TFIX-8M-175 ref: 128347 Pull out test reference: Km 003
BOARD ADHESIVE	:	Brickshield Adhesive Mortar, ref.128598 is a single part, rapid set, polymer modified cementitious brickslip adhesive. Standard, mortar ref.128598, is used for applying the boards to the wall and the slips to the boards.

The Rapid mortar ref.128597 is only for applying the Brickslips to the

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corners and the first couple of rows of Slips on the Insulation boards

- MESH** : Universal Glass fibre plastic coated alkali resistant reinforcing mesh, Ref: 128132
- BASE COAT** : TC Mortar Ref: 128134.or Universal Mortar Ref: 128595.
Both are Polymer modified base coats, supplied in 25kgs bags.
TC Mortar and Universal Mortar serve as the base coat for the Brickshield system into which a layer of reinforcing mesh is embedded. Available in 25kg bags and applied to a thickness of 3-4mm.
These materials also serve as an adhesive to the back of the Insulation board.
- FINISH** : Ibstock's real clay brick slip. (Colour TBC)
Supplied in standard brick size of 65mm high by 215mm long, but only 20mm thick. The Bricksips are adhered using the Brickshield Adhesive Mortar with 10mm spacers. Available in 8 standard and 24 premier colours.
- Brickshield Brickpoint Mortar ref.128596 is a hydrated lime based mortar system designed to be applied by gun injection to point the joints between the bricks. Dependant on the brick slip type and air temperature, pre-wetting of the slips may be necessary to adjust the suction rate prior to pointing. Supplied dry mixed in 25kg bags.
- BASE PROFILE** : Brickshield Base Profile: 125mm ref 128641
Used as a starter rail for the Brickshield System. Aluminium and supplied in lengths of 2.5m. The profile has a 15mm lip on 1 edge to accommodate the brick slip. All base profiles supplied in a mill finish, but are available powder coated subject to minimum order.
- CORNER PROFILE** : See section 8.0 - Bead to be exposed PVC corner bead – size 10mm
- EXPANSION BEAD** : (If required) as per System designers detail and outlined in section 8.0
- SUNDRY ITEMS** : Rockwool Sealing Tape 15mm wide x 8.0 m long (Must be used) (ref.128162).
Connection clips (ref.128309)

Aluminium / UPVC sills and end caps – to be supplied by others if required.

1. DELIVERY RESTRICTIONS

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2. SAMPLES

Small scale samples must be used for the selection of the project colour to ensure a true visual representation of the material is obtained.

Once the Brickslip colour selection has been made, a sample reference panel must be constructed on site for approval. This panel should be a minimum of 1m² and constructed using the approved brickslip colour as final confirmation. If possible, the reference panel should incorporate indicative junction details such as window sill.

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3. PROTECTION

Responsibility of protection is to be decided between main contractor and installer. All doors, windows, frames, fascia's and other areas of the of the existing structure not forming part of this section of works shall be fully protected by means of masking tape and polythene sheeting or other acceptable alternative means. All areas of existing paths and paved areas and landscaped works shall be adequately covered to avoid damage by all external insulation works including scaffolding erected in connected therewith.

Protection to new work during inclement weather must be provided taking into account the worst weather conditions that can reasonably be anticipated. Local weather forecasts must be monitored and if necessary, modify the form of protection accordingly. Failure to carry out such protective measures will make any resulting failure in the Rockwool products the sole responsibility of the designated contractor.

Any damage caused by the specialist external insulation installer to the existing surface of the windows, and /or the paved and landscaped area's during the execution of the works shall be made good, cleaned off or replaced to the satisfaction of the client, before practical completion.

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Application of the system must only be carried out in suitable weather conditions. Rockwool renders and adhesives must not be applied in rain, fog or mist or at temperatures below 5°C on a falling thermometer or 3°C on a rising thermometer or above 30°C, or if exposure to frost is likely to occur during curing. Rockwool renders and adhesives must not be applied to saturated or frost bound walls and insulation boards that may have become wet. In sunny weather, work should commence on the shaded elevations and be continued round following the sun to prevent the renders and adhesives being prone to accelerated curing.

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Where the scaffolding is required to be tied back to the building it is normal to recommend and provide access points for future scaffolding required for maintenance, inspection and repairs.

The scaffolding must be arranged to enable good access to be obtained to the whole of the face of the building and sufficient clearance for working is to be provided between the scaffolding and the finished surface of the external wall insulation system. An allowance must be made included for the thickness of the finished system on the face of the building.

The working platform must be clear from debris and site dust prior to the application of the finish coats to avoid dirt lines on the finished system.

7. PREPARATORY WORK

Prior to the installation it is essential that on-site investigation and pull out tests are to be carried out by Rockwool to determine the type and length of fixings.. Results of these tests shall be made available to the architect, the main contractor and the system designer. The

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amount of fixings to be installed as per the relevant BBA certificate or from the result of wind loading calculations.

The condition of the stability of the substrate must be considered and that of the integrity of any coatings or finishes applied to it. All loose and friable coatings and renders must be removed. In the case of render removal, isolated patches must be re-rendered flush with the sound existing render. Should render to the entire wall or elevation facades be removed, it is not necessary to re-render unless required for levelling or structural reasons. Where wholesale render has been removed, the use of mechanical fixings is still required.

Should the substrate have been exposed to atmospheric conditions, any organic growth this must be removed and neutralized prior to the installation of the system using Rockwool Fungicidal Wash ref. 128274 (supplied in 10l units).

All associated builders works such as removal of fixtures and fittings, alterations to services, fences, gate posts, restricting foliage, temporary or light structures (greenhouses, garden sheds and the like), porches, canopies, removal of unnecessary architectural features etc. is to be carried out prior to commencement of the system.

This specification is based on the substrate being of sound condition and capable of supporting the additional loads being applied. Should any remedial work be required, this should be surveyed and carried out by a competent person.

If required, window cills and copings are to be extended to ensure a minimum 30mm overhang (preferably 35-40mm) from the face of the finished system to the back of the drip.

Repairs to major defects and cracks in the surface of the existing structure are deemed to have been carried out prior to the application of the Rockwool Brickshield system.

8. SYSTEM INSTALLATION

- a. **LINE AND LEVEL:** The terms “line and level” used in conjunction with this specification refer only to dealing with minor localised variations in the surface to which the system is applied.

The system cannot correct major variations in line and level over several storeys in height and over large areas, and in these cases will follow the line of the existing building unless these irregularities are overcome by a prior treatment.

The contractor must inspect the existing wall and agree a suitable line and level with the Contract Administrator. If deemed necessary, a suitable levelling coat should be applied. If a levelling coat is applied, please check the mechanical fixing length to ensure the specified embedment is being achieved.

- b. **BASE PROFILE:** Existing concrete bell cast drips (if fitted) at DPC level should be hacked off and, made good to except the base profile. The Brickshield Base Profile (**TBC**) is to be fixed using Rockwool Base Profile Fixing Screw (ref.128171) at maximum 300mm centres just above the DPC line. Care must be taken to ensure a true horizontal line is maintained. Adjoining sections of base profile must be connected using connection clips (ref.128309) to provide continuity and accommodate expansion and contraction of the Base profile. The base profile should be carefully cut, mitred and formed at corners ensuring all cut sections are connected using connection clips.
- c. **EXTERNAL FIXTURES & FITTINGS:** Treated timber blocks or battens to the depth of the insulation shall be fitted to enable the refit of the rainwater pipes and other items that

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require refitting to the façade. Care should be taken to locate the timber blocks once the system has been installed and covered with render..

Fixtures that are not fitted to patresses should be installed strictly as per the Fixtures manufactures instructions and recommendations.

These will need to have Rockwool approval before installation can take place.

- d. **INSULATION BOARDS:** The insulation boards are to be Rockwool External Wall Façade Ultra boards supplied at 1000mm x 500mm in size and a thickness of 120mm. The insulation is to be fixed using mechanical fixings as detailed in Clause 7.6. The Rockwool External Wall Façade Ultra board shall be fixed starting at the base profile and working up the building. The vertical joints shall be staggered in a brick bond format and no cut boards less than 200mm wide shall be used. Together with all the necessary standard accessories and fixings, insulation shall be fixed strictly in accordance with the Rockwool BBA certificate **13/4997** and standard installation procedures. Around all openings the insulation board should be cut and fixed to ensure that no board joint occurs within 200mm of the corner of the opening. **Please refer to Installation manual**
- e. **BOARD ADHESIVE:** Two methods can be used for applying the adhesive to the back of the insulation board. Brickshield Adhesive Standard mortar is used for applying the boards to the wall.
 - i. **FULL COMB METHOD:** The adhesive is to be applied to the back of the insulation board using a 10 X 10 square notched stainless steel trowel ensuring the adhesive knits with the fibres. The ridges created using the notched trowel should not be made level as this allows for some minor adjustment once offered to the wall.
 - ii. **DOT AND DAB:** A continuous ribbon band of adhesive is to be applied to the outer edge on the rear of the insulation board. A minimum of 3 Dabs of mortar are to be applied to the rear of the board to a maximum thickness of 15mm ensuring a minimum coverage rate of 50%. Prior to the application of the adhesive dabs, a tight scratch coat is required in these locations to ensure the adhesive knits with the fibres.
- f. **INSULATION FIXINGS:** The Brickshield External Wall Insulation System is applied to the outside of external walls of masonry and dense or no-fines concrete constructions and is suitable for use on new or existing domestic and non-domestic buildings above damp-proof course level and not higher than 18 metres above the dpc. It can only be installed in sheltered to moderate exposure zones only.

Fixings are positioned 100 – 150mm in from each corner and one in the centre of the 1000 x 500mm insulation board, equalling a total of 4 per board (8 per m²). Extra fixings are required around windows and door reveals at a maximum spacing of 300mm.

Fixings lengths are to be specified after the pull out test has been carried out.

- g. **SEALANTS:** All junctions between the insulated Bricksip system and other building materials such as window and door frames, overflow pipes, boiler flues, eaves and wall vents must be sealed using the Rockwool Sealing Tape (ref.128162).

On completion of the Bricksip finish an application a 5mm bead of silicone sealant must be applied to all junctions of the insulation of the insulation render system and other buildings materials such as window and door frames, eaves and wall vents. All work shall be executed

by competent tradesmen employed by the approved specialist contractor, and who have completed the Rockwool training course.

- h. **VERTICAL EXPANSION JOINTS:** Movement joints in the main structure must be continued through to the surface of the cladding system. Movement joints should be included in the Brickshield system where the length of uninterrupted walling clad exceeds 6-7metres long and every two storeys vertically. The width of the movement joint should be approximately 10mm and filled with a proprietary non hardening sealant.
 - i. **MOVEMENT UP TO 5mm:** A 5mm gap should be left between the insulation boards in a vertical line at the location of the expansion joint. This gap should be sealed using the Rockwool Sealing Tape (ref.128162). A surface mounted movement joint should be installed to the face of the insulation breaking up the reinforcing render and finish coat (ref. 128529) (ref. 128682 for 10mm and 128683 for 15mm).
 - ii. **MOVEMENT UP TO 20mm:** The required gap should be left between the insulation boards in a vertical line at the location of the expansion. A full depth gasket movement joint should be installed to the face of the insulation breaking up the reinforcing render and finish coat (please contact Rockwool).
 - iii. **HORIZONTAL EXPANSION/COMPRESSION JOINTS:** Please contact Rockwool for project specific guidance.
- i. **RENDER/COLOUR SEPERATION DRIP BEAD.** Should this be required for the separation of render and Bricksip application, this is to be PVC drip bead (ref. 128528) for 10mm render, (ref.128682) for 15mm render. This is to be installed on top of the main reinforcement coat in a horizontal line with the adhesive outlined in Clause 8.1. A minimum 100mm wide mesh bandage must be applied to the top half of the bead for additional security at this location (Rockwool standard detail RWSD (21) 026).

When planning the works, sufficient material should be placed to one side for making good any works such as, but not limited to scaffold ties. This material should be from the same batch number as the material used for that elevation. If the making good is to be carried out later in the programme, it should be noted that the making good will need time to weather the same as the completed works. Any making good will be visible and it is recommended that if this is unavoidable, this should be incorporated into the reference sample panel and agreed with the Contract Administrator.

9. FINAL CLEANING

Remove masking tape and polythene sheeting, clean off all marks, blemishes and splashes and all traces of render and mastic from windows, door frames, sills and other affected surfaces and leave the works complete to the satisfaction of the architect, client etc.

- a. **PLANTS AND SHRUBS:** Where practical and in consultation with the occupants, all plants and shrubs shall be carefully pulled away from the wall/property. Any plants/hanging baskets that need to be re-attached must be fixed using the approved fixing.
- b. **TEMPORARY WORKS:** During the progress of the external insulation works temporary diversions to the existing gutters (after temporary removal of the rainwater pipes) must be provided and maintained, such diversions shall be to the architects satisfaction and must not impede the erection of the scaffolding or the progress of the works.

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10. STORAGE AND HANDLING

Care should be taken in offloading, distribution and storage of the materials. Products should be protected, until ready for use, by maintaining the wrappings and protection afforded since factory dispatch.

Ideally all products should be stored within a secure location, protected from the weather and with a provision for temperature moderation to eliminate damage to the products.

Powder bags to be stacked on pallets, above ground, clear of surface water and splash back, with overall precipitation protection. In cold weather bag products should be stored in protected environs.

Tub products, such as primers and top coats, must be stored in temperature controlled conditions in cold periods to avoid frost/freeze damage and to avoid prolonged or intense exposure to the sun.

11. INSPECTION

All work shall be subject to regular inspection and acceptance by the Architect or his representative, and by the manufacturer's technical representatives. All work to be executed in compliance with the employer's requirements, good practice and in strict accordance with the systems instructions. Any work failing to comply with any of the above shall be taken down and re-fixed, at the contractor's own expense if they fail to comply with any of the above.

12. REMOVAL OF CONSTRUCTION WASTE

Insulation boards can be recycled as per Rockwool's recycling scheme. Please follow the link here to find out about the Rockwool recycling scheme.

<http://www.rockwool.co.uk/why+rockwool-c7-/sustainability/recycling+rockwool%C2%AE>

Remove and dispose of all debris, surplus material and redundant protective material during the course of the work as per the site waste management plan.

Mortar and cement based products should be disposed of in accordance with the relevant MSDS documentation, Brickshield Standard Adhesive Mortar, Brickshield Rapid Adhesive Mortar.

13. COVERAGE RATES

Rockwool Limited will not, under any circumstances, guarantee coverage rates quoted for products. The rates quoted are based on site experience but may vary due to site conditions, operator skills etc. Contractors quoting for contracts must ensure that coverage figures can be achieved in each particular instance. No claim against Rockwool Limited will be allowed relating to coverage of materials.

14. DUBBING OUT

Where necessary, existing walls which are to receive the insulation brickslip system shall be dubbed out using a dubbing mortar.

15. EXTERNAL PLUMBING

Modification of overflows shall be made to accommodate the new system thickness. These alterations must be continuous through the Rockwool Brickshield Insulation system without any joints.

OUR SPECIAL INGREDIENT

ROCKWOOL® insulation products are made from stone wool – a blend of naturally occurring

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volcanic diabase rock. It's the special ingredient that ensures ROCKWOOL® insulation protects against unwanted noise, fire, and provides unrivalled durability at no cost to the environment.

It's a 4-in-1 solution.



SUPERIOR FIRE RESISTANCE

Put simply, rock won't burn. That's why our stone wool products have naturally occurring fire resistant qualities that cannot be matched and improve the fire resistance of the construction.



EXCELLENT ACOUSTICS

ROCKWOOL®'s unique properties can help to reduce the effect of noise.



UNRIVALLED DURABILITY

Nothing lasts like solid rock. ROCKWOOL® won't shrink, won't move and won't crumble. It is so durable it will maintain its performance for the lifetime of the building.



SUSTAINABLE MATERIALS

Made from a renewable and plentiful natural resource, ROCKWOOL® insulation saves fuel costs and energy in use. And it's 97% recyclable, too.

ROCKWOOL® is the economical and practical insulation choice to:

- Reduce waste
- Achieve thermal and acoustic benefits in one
- Maximise performance of the building

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Documentation of the component

Thermal transmittance (U-value) according to BS EN ISO 6946

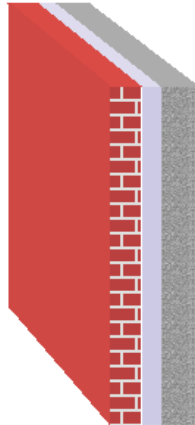
Source: **Corals Catalogue 2013 - External walls**Component: **rwcm3747 - GB Bldg - Sharstonm Regen - Existing**

12. March 2014

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OUTSIDE

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Assignment: External wall

	Manufacturer	Name	Thickness [m], number	Lambda [W/(mK)]	Q	R [m²K/W]
	Rse					0.0400
☒ 1	Generic Building Materials	Brick outer leaf & Mortar outer leaf (f = 0.000 / automatic disregarding acc. BRE 4.4.3)	0.1120	0.770	D	0.1455
☒ 2	Own catalogue	Normal cavity - 65mm, unventilated	0.0650	0.361	E	0.1801
☒ 3	BS EN 12524	Concrete, Reinforced (with 1% of steel)	0.1120	2.300	D	0.0487
☒ 4	BS EN 12524	Gypsum plastering	0.0150	0.570	D	0.0263
	Rsi					0.1300
0.3040						

$$R_T = R_{si} + \sum R_i + R_{se} = 0.57 \text{ m}^2\text{K/W}$$

$$U = 1/R_T = 1.75 \text{ W}/(\text{m}^2\text{K})$$

Q .. The physical values of the building materials has been graded by their level of quality. These 5 levels are the following

- A** .. A: Data is entered and validated by the manufacturer or supplier. Data is continuously tested by 3rd party.
- B** .. B: Data is entered and validated by the manufacturer or supplier. Data is certified by 3rd party
- C** .. C: Data is entered and validated by the manufacturer or supplier.
- D** .. D: Information is entered by BuildDesk without special agreement with the manufacturer, supplier or others.
- E** .. E: Information is entered by the user of the BuildDesk software without special agreement with the manufacturer, supplier or others.

$$U_{\max} = 0.30 \text{ W}/(\text{m}^2\text{K})$$

$$U = 1.75 \text{ W}/(\text{m}^2\text{K}) \quad R_T = 0.57 \text{ m}^2\text{K/W}$$

Source of U_{max} value: England and Wales Approved Document L1B 2010 Tab 3b Dwellings Existing

Calculated with BuildDesk 3.4.5

Documentation of the component

Heat capacity

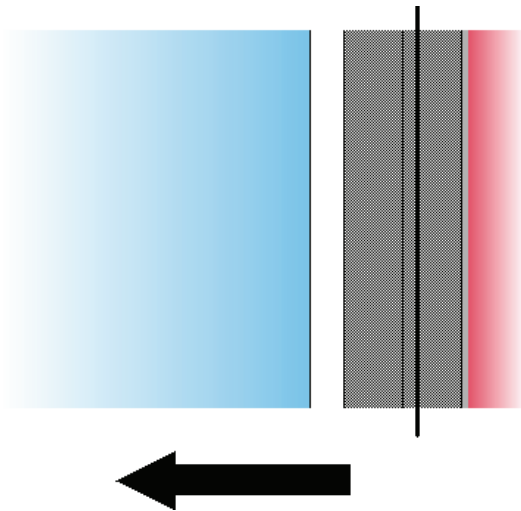
12. March 2014

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Source: **Corals Catalogue 2013 - External walls**Component: **rwcm3747 - GB Bldg - Sharstonm Regen - Existing**

OUTSIDE

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The list of materials shown below may differ from those in the U-value calculation printout. Only material layers which are used in the heat capacity calculation are listed.

Single material layers shown in the U-value calculation printout may be separated to meet the exclusion criteria:

- A .. The total thickness of the layers exceed 0.1 m.
- B .. The mid point in the construction is reached.

For insulation layers the following criteria applies:

- C .. An insulating layer is reached (defined as $\lambda \leq 0.08 \text{ W/(mK)}$).

	Name	Thickness [m]	lambda [W/(mK)]	Q	Thermal capacity [kJ/(kgK)]	Q	Density [kg/m³]	Q	Thermal mass kJ/(m²K)	Criteria Exclusion
	End of calculation - Cold									
1	Brick outer leaf & Mortar outer leaf (f = 0.000 / automatic disregarding acc. BRE 4.4.3)	0.1120	0.770	D	0.80	D	1700.0	D	152.3	A, -, -
2	Normal cavity - 65mm, unventilated	0.0650	0.361	E	1.01	E	1.3	E	0.4	A, -, -
3	Concrete, Reinforced (with 1% of steel)	0.0270	2.300	D	1.00	D	2300.0	D	62.4	A, -, -
3	Concrete, Reinforced (with 1% of steel)	0.0850	2.300	D	1.00	D	2300.0	D	195.5	-, -, -
4	Gypsum plastering	0.0150	0.570	D	1.00	D	1300.0	D	19.5	-, -, -
	Start of calculation - Warm									
		0.3040							215.0	

Heat capacity = 215.0 kJ/(m²K)

The following exclusion criteria apply:

- A .. The total thickness of the layers exceed 0.1 m.

Q .. The physical values of the building materials has been graded by their level of quality. These 5 levels are the following

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Documentation of the component

12. March 2014

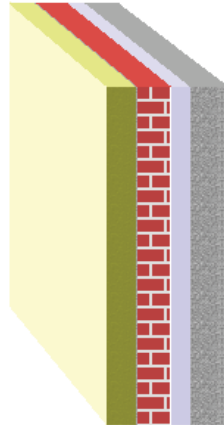
Thermal transmittance (U-value) according to BS EN ISO 6946

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Source: **Corals Catalogue 2013 - External walls**Component: **rwcm3747 - GB Bldg - Sharstonm Regen - REDArt**

OUTSIDE

INSIDE



Assignment: External wall

	Manufacturer	Name	Thickness [m], number	Lambda [W/(mK)]	Q	R [m²K/W]	
		Rse				0.0400	
	1	Own catalogue	REDArt Silicone Finish	0.0015	0.300		0.0050
	2	Own catalogue	REDArt FS Mortar 1	0.0050	0.300		0.0167
	3	Own catalogue	REDArt External Wall DD Slab	0.1000	0.036		2.7778
		Fixings	Plastic insulation anchors No./m²:	7/m²	0.500		-
		Fixings	equivalent diameter: 0.01 m / alpha: 0.800				
		Air gaps	Level 0: dU" = 0.00 W/(m²K)				
	4	Own catalogue	REDArt Adhesive Mortar	0.0050	0.300		0.0167
	5	Generic Building Materials	Brick outer leaf & Mortar inner leaf (f = 0.000 / automatic disregarding acc. BRE 4.4.3)	0.1120	0.770		0.1455
	6	Own catalogue	Normal cavity - 65mm, unventilated	0.0650	0.361		0.1801
	7	BS EN 12524	Concrete, Reinforced (with 1% of steel)	0.1120	2.300		0.0487
	8	BS EN 12524	Gypsum plastering	0.0150	0.570		0.0263
		Rsi					0.1300
			0.4155				

$$R_T = R_{si} + \sum R_i + R_{se} = 3.39 \text{ m}^2\text{K/W}$$

Correction to U-value for	according to	delta U [W/(m²K)]
Mechanical fasteners	BS EN ISO 6946 Annex D	0.000
Air gaps	BS EN ISO 6946 Annex D	0.000
		0.000

$$U = 1/R_T + \sum \Delta U = 0.30 \text{ W/(m}^2\text{K)}$$

Q .. The physical values of the building materials has been graded by their level of quality. These 5 levels are the following

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$$U_{\max} = 0.30 \text{ W/(m}^2\text{K)}$$

$$U = 0.30 \text{ W/(m}^2\text{K)} \quad R_T = 3.39 \text{ m}^2\text{K/W}$$

Source of U_{max} value: England and Wales Approved Document L1B 2010 Tab 3b Dwellings Existing

Calculated with BuildDesk 3.4.5

Documentation of the component

12. March 2014

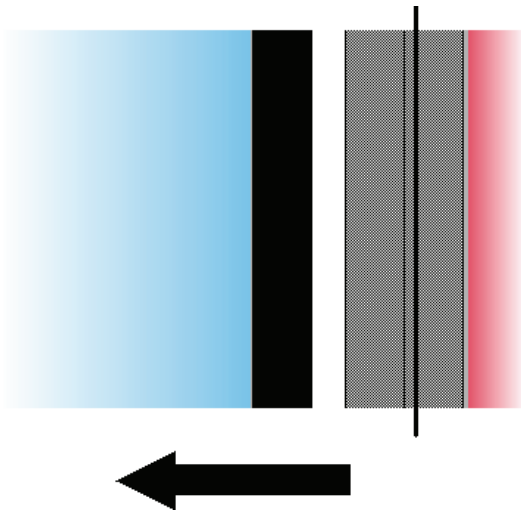
Heat capacity

Page 2/2

Source: **Corals Catalogue 2013 - External walls**Component: **rwcm3747 - GB Bldg - Sharstonm Regen - REDArt**

OUTSIDE

INSIDE



The list of materials shown below may differ from those in the U-value calculation printout. Only material layers which are used in the heat capacity calculation are listed.

Single material layers shown in the U-value calculation printout may be separated to meet the exclusion criteria:

- A .. The total thickness of the layers exceed 0.1 m.
- B .. The mid point in the construction is reached.

For insulation layers the following criteria applies:

- C .. An insulating layer is reached (defined as $\lambda \leq 0.08 \text{ W/(mK)}$).

Name	Thickness [m]	λ [W/(mK)]	Q	Thermal capacity [kJ/(kgK)]	Q	Density [kg/m³]	Q	Thermal mass kJ/(m²K)	Criteria Exclusion
End of calculation - Cold									
1 REDArt Silicone Finish	0.0015	0.300	E	1.40	E	1250.0	E	2.6	A, -, C
2 REDArt FS Mortar 1	0.0050	0.300	E	1.40	E	1250.0	E	8.7	A, -, C
3 REDArt External Wall DD Slab	0.1000	0.036	E	1.03	E	120.0	E	0.9	A, -, C
4 REDArt Adhesive Mortar	0.0050	0.300	E	1.40	E	1250.0	E	8.7	A, -, -
5 Brick outer leaf & Mortar inner leaf (f = 0.000 / automatic disregarding acc. BRE 4.4.3)	0.1120	0.770	D	0.80	D	1700.0	D	152.3	A, -, -
6 Normal cavity - 65mm, unventilated	0.0650	0.361	E	1.01	E	1.3	E	0.4	A, -, -
7 Concrete, Reinforced (with 1% of steel)	0.0270	2.300	D	1.00	D	2300.0	D	62.4	A, -, -
7 Concrete, Reinforced (with 1% of steel)	0.0850	2.300	D	1.00	D	2300.0	D	195.5	-, -, -
8 Gypsum plastering	0.0150	0.570	D	1.00	D	1300.0	D	19.5	-, -, -
Start of calculation - Warm									
	0.4155							215.0	

Heat capacity = 215.0 kJ/(m²K)

The following exclusion criteria apply:

- A .. The total thickness of the layers exceed 0.1 m.
- C .. An insulating layer is reached (defined as $\lambda \leq 0.08 \text{ W/(mK)}$).

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Documentation of the component

Thermal transmittance (U-value) according to BS EN ISO 6946

Source: **Corals Catalogue 2013 - External walls**

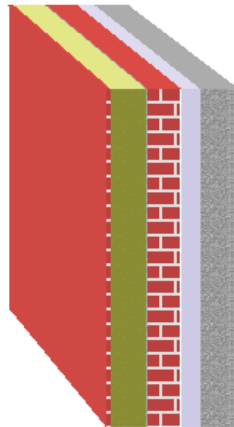
Component: **rwcm3747 - GB Bldg - Sharstonm Regen - BShield**

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OUTSIDE

INSIDE



Assignment: External wall

	Manufacturer	Name	Thickness [m], number	Lambda [W/(mK)]	Q	R [m²K/W]
☒	1	Rse Rockwool Ltde Brickshield® Brick Slips & Mortar outer leaf (f = 0.000 / automatic disregarding acc. BRE 4.4.3)	0.0200	0.770	C	0.0400 0.0260
☒	2	Rockwool Ltde Brickshield® Adhesive Mortar	0.0030	0.900	C	0.0033
☒	3	Own catalogue Brickshield® Facade Ultra Insulation	0.1200	0.043	E	2.7907
		Fixings Plastic insulation anchors No./m²: equivalent diameter: 0.01 m / alpha: 0.800	7/m²	0.500	D	-
☒	4	Rockwool Ltde Brickshield® Adhesive Mortar	0.0050	0.900	C	0.0056
☒	5	Generic Building Materials Brick outer leaf & Mortar inner leaf (f = 0.000 / automatic disregarding acc. BRE 4.4.3)	0.1120	0.770	D	0.1455
☒	6	Own catalogue Normal cavity - 65mm, unventilated	0.0650	0.361	E	0.1801
☒	7	BS EN 12524 Concrete, Reinforced (with 1% of steel)	0.1120	2.300	D	0.0487
☒	8	BS EN 12524 Gypsum plastering	0.0150	0.570	D	0.0263
		Rsi				0.1300
			0.4520			

$$R_T = R_{si} + \sum R_i + R_{se} = 3.40 \text{ m}^2\text{K/W}$$

Correction to U-value for	according to	delta U [W/(m²K)]
Mechanical fasteners	BS EN ISO 6946 Annex D	0.000
Air gaps	BS EN ISO 6946 Annex D	0.000
		0.000

$$U = 1/R_T + \sum \Delta U = 0.29 \text{ W/(m}^2\text{K)}$$

- Q .. The physical values of the building materials has been graded by their level of quality. These 5 levels are the following
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$$U_{\max} = 0.30 \text{ W/(m}^2\text{K)}$$

$$U = 0.29 \text{ W/(m}^2\text{K)}$$

$$R_T = 3.40 \text{ m}^2\text{K/W}$$

Source of Umax value: England and Wales Approved Document L1B 2010 Tab 3b Dwellings Existing

Calculated with BuildDesk 3.4.5

Documentation of the component

Heat capacity

Source: **Corals Catalogue 2013 - External walls**

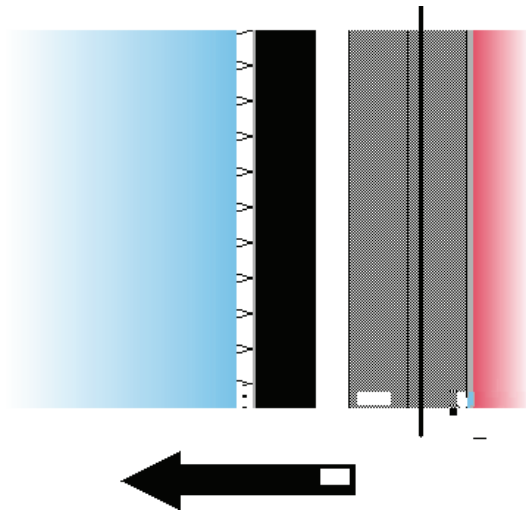
Component: **rwcm3747 - GB Bldg - Sharstonm Regen - BShield**

12. March 2014

Page 2/2

OUTSIDE

INSIDE



The list of materials shown below may differ from those in the U-value calculation printout. Only material layers which are used in the heat capacity calculation are listed.

Single material layers shown in the U-value calculation printout may be separated to meet the exclusion criteria:

- A .. The total thickness of the layers exceed 0.1 m.
- B .. The mid point in the construction is reached.

For insulation layers the following criteria applies:

- C .. An insulating layer is reached (defined as $\lambda \leq 0.08 \text{ W/(mK)}$).

	Name	Thickness [m]	lambda [W/(mK)]	Q	Thermal capacity [kJ/(kgK)]	Q	Density [kg/m³]	Q	Thermal mass kJ/(m²K)	Criteria Exclusion
	End of calculation - Cold									
1	Brickshield® Brick Slips & Mortar outer leaf (f = 0.000 / automatic disregarding acc. BRE 4.4.3)	0.0200	0.770	C	0.80	C	1700.0	C	27.2	A, -, C
2	Brickshield® Adhesive Mortar	0.0030	0.900	C	1.00	C	1500.0	C	4.5	A, -, C
3	Brickshield® Facade Ultra Insulation	0.1200	0.043	E	1.03	E	100.0	E	0.0	A, -, C
4	Brickshield® Adhesive Mortar	0.0050	0.900	C	1.00	C	1500.0	C	7.5	A, -, -
5	Brick outer leaf & Mortar inner leaf (f = 0.000 / automatic disregarding acc. BRE 4.4.3)	0.1120	0.770	D	0.80	D	1700.0	D	152.3	A, -, -
6	Normal cavity - 65mm, unventilated	0.0650	0.361	E	1.01	E	1.3	E	0.4	A, -, -
7	Concrete, Reinforced (with 1% of steel)	0.0270	2.300	D	1.00	D	2300.0	D	62.4	A, -, -
7	Concrete, Reinforced (with 1% of steel)	0.0850	2.300	D	1.00	D	2300.0	D	195.5	-, -, -
8	Gypsum plastering	0.0150	0.570	D	1.00	D	1300.0	D	19.5	-, -, -
	Start of calculation - Warm									
		0.4520							215.0	

Heat capacity = 215.0 kJ/(m²K)

The following exclusion criteria apply:

- A .. The total thickness of the layers exceed 0.1 m.
- C .. An insulating layer is reached (defined as $\lambda \leq 0.08 \text{ W/(mK)}$).

Q .. The physical values of the building materials has been graded by their level of quality. These 5 levels are the following

- A** .. A: Data is entered and validated by the manufacturer or supplier. Data is continuously tested by 3rd party.
- B** .. B: Data is entered and validated by the manufacturer or supplier. Data is certified by 3rd party
- C** .. C: Data is entered and validated by the manufacturer or supplier.
- D** .. D: Information is entered by BuildDesk without special agreement with the manufacturer, supplier or others.
- E** .. E: Information is entered by the user of the BuildDesk software without special agreement with the manufacturer, supplier or others.

Preliminary Inspection Report v4 Data Submission

Form Details

Assigned	Kevin Monaghan
Updated	20/09/13 04:50
Form Reference	572

ROCKWOOL®

Date of Inspection	20/09/13
Project	Wythenshaw
Inspection Conducted By:	Kevin Monaghan
Recieipient Email Address	
Email	kevin.monaghan@rockwool.com
Property No(s):	3
Address	
Benchill Court	
Wythenshaw	
M224QH	
Postcode	M224QH

Property Details

Current External Finish	Render to lower 2 storeys, brick upper 10
Building/Property Construction	
10 storey cavity walls with ring beams.	
According to, the BRE publication "Thermal insulation: avoiding risks" Figure 30 UK exposure zones, the building is situated in exposure zone	
Exposure Zone	
2	
No Field Title	Moderate - approximate wind driven rain - 33 to less than 56.5 (litres/m2 per spell)

Preliminary Inspection Report v4 Data Submission

maximum wall spell index derived from BS8104

Property Type

Flats

Property Photos

Front



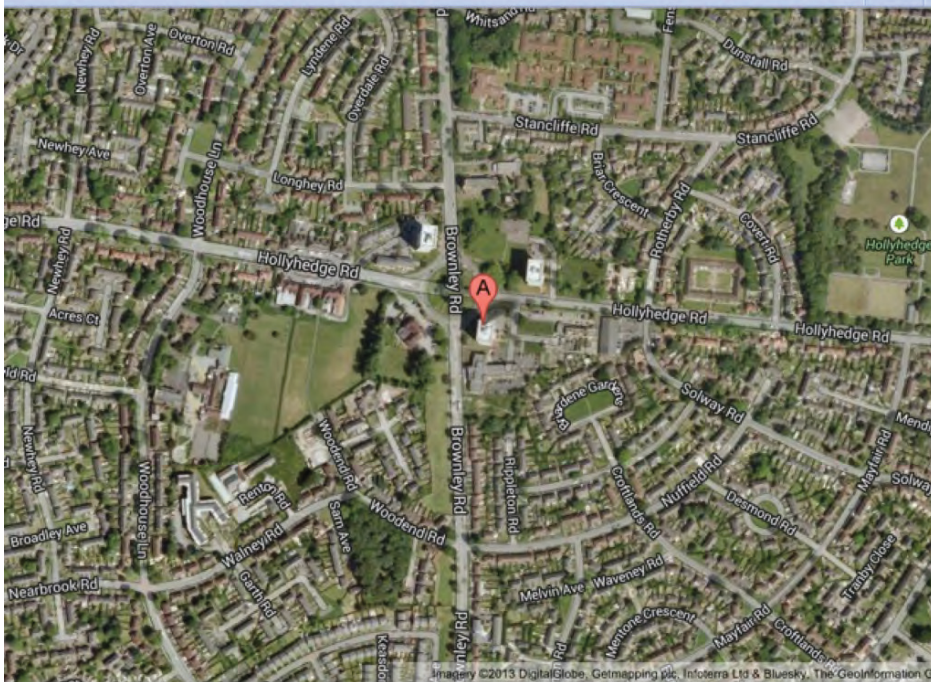
Preliminary Inspection Report v4 Data Submission

[Back](#)



Preliminary Inspection Report v4 Data Submission

Location Map



Construction/Property Details

Plinths / DPC Checked	Yes
-----------------------	-----

Photo(s) Attached	Yes
-------------------	-----

Cills Checked	Yes
---------------	-----

Notes

Cills require extending.

Photo(s) Attached	Yes
-------------------	-----

Reveals Checked	Yes
-----------------	-----

Notes

Uninsulated render returns to enable windows to operate correctly

Photo(s) Attached	Yes
-------------------	-----

Heads / Lintels Checked	Yes
-------------------------	-----

Notes

As window details above

Photo(s) Attached	Yes
-------------------	-----

Preliminary Inspection Report v4 Data Submission

Facia / Soffit / Verge / Eaves Checked	Yes
--	-----

Notes

Sufficient overhang for protection of system

Photo(s) Attached	Yes
-------------------	-----

Window Surrounds Checked	N/A
--------------------------	-----

Photo(s) Attached

Party Wall Checked	N/A
--------------------	-----

Photo(s) Attached

Outbuilding Checked	N/A
---------------------	-----

Photo(s) Attached

Other Construction / Property Details	Brise soleil
---------------------------------------	--------------

Other Checked	Yes
---------------	-----

Notes

The buildings have a Brise soleil on the side elevations.

Photo(s) Attached	Yes
-------------------	-----

Related Building Work

Rainwater Goods Checked	N/A
-------------------------	-----

Photo(s) Attached

Soil and Waste Checked	N/A
------------------------	-----

Photo(s) Attached

Vents / Overflows Checked	Yes
---------------------------	-----

Notes

Vents to be extended

Photo(s) Attached	Yes
-------------------	-----

Boiler Flues Checked	N/A
----------------------	-----

Photo(s) Attached

Communications Installations Checked	Yes
--------------------------------------	-----

Notes

Treated timber pattresses will be required for communication installations.

Preliminary Inspection Report v4 Data Submission

Photo(s) Attached	No
Greenery Checked	N/A
Photo(s) Attached	
Gates and Fences Checked	N/A
Photo(s) Attached	
Electrical Equipment Checked	Yes
Notes	
All electrical equipment will require pattresses.	
Photo(s) Attached	Yes
Residents Fixtures Checked	N/A
Photo(s) Attached	
Gas and Electricity Fixtures Checked	N/A
Photo(s) Attached	
Other Checked	
Photo(s) Attached	

Access

Surrounding Landscape Checked	Yes
Notes	
See arial map attached.	
Photo(s) Attached	Yes
Delivery Restrictions Checked	N/A
Photo(s) Attached	
Scaffolding Access Checked	Yes
Photo(s) Attached	
Skip Checked	Yes
Photo(s) Attached	

Rockwool Systems Suitability

RockShield Checked	Yes
--------------------	-----

Preliminary Inspection Report v4 Data Submission

EcoRock Checked	Yes
DashShield Checked	Yes
Brick Effect Checked	Yes
BrickShield Checked	Yes
Notes	
Suitable for lower elevations.	

Additional Detail Photos

Photo 1



Photo 1 Notes	Plinth / D.P.C & lightning conductor
---------------	--------------------------------------

Preliminary Inspection Report v4 Data Submission

Photo 2



Photo 2 Notes

Cills / window reveals.

Preliminary Inspection Report v4 Data Submission

Photo 3



Photo 3 Notes

Lightning conductor, cills & vents.

Preliminary Inspection Report v4 Data Submission

Photo 4



Preliminary Inspection Report v4 Data Submission

Photo 5



Photo 5 Notes	Security camera & lightning conductor.
__FileName	Wythenshaw Kevin Monaghan 2013-09-20 Preliminary Inspection Report

Preliminary Inspection Report v4 Data Submission

Photo 6



Photo 6 Notes

Entrance / reception.

Preliminary Inspection Report v4 Data Submission

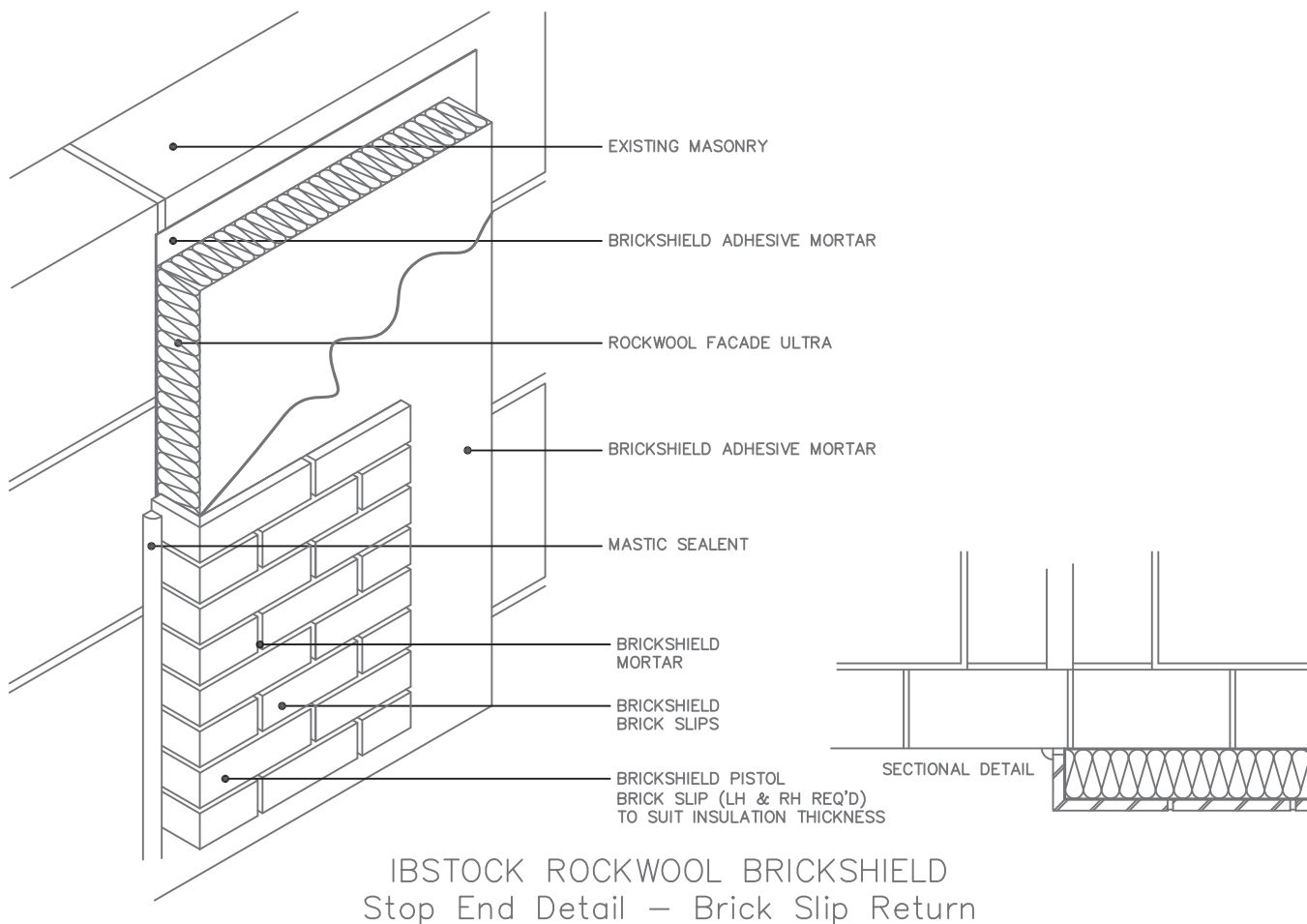
Photo 7



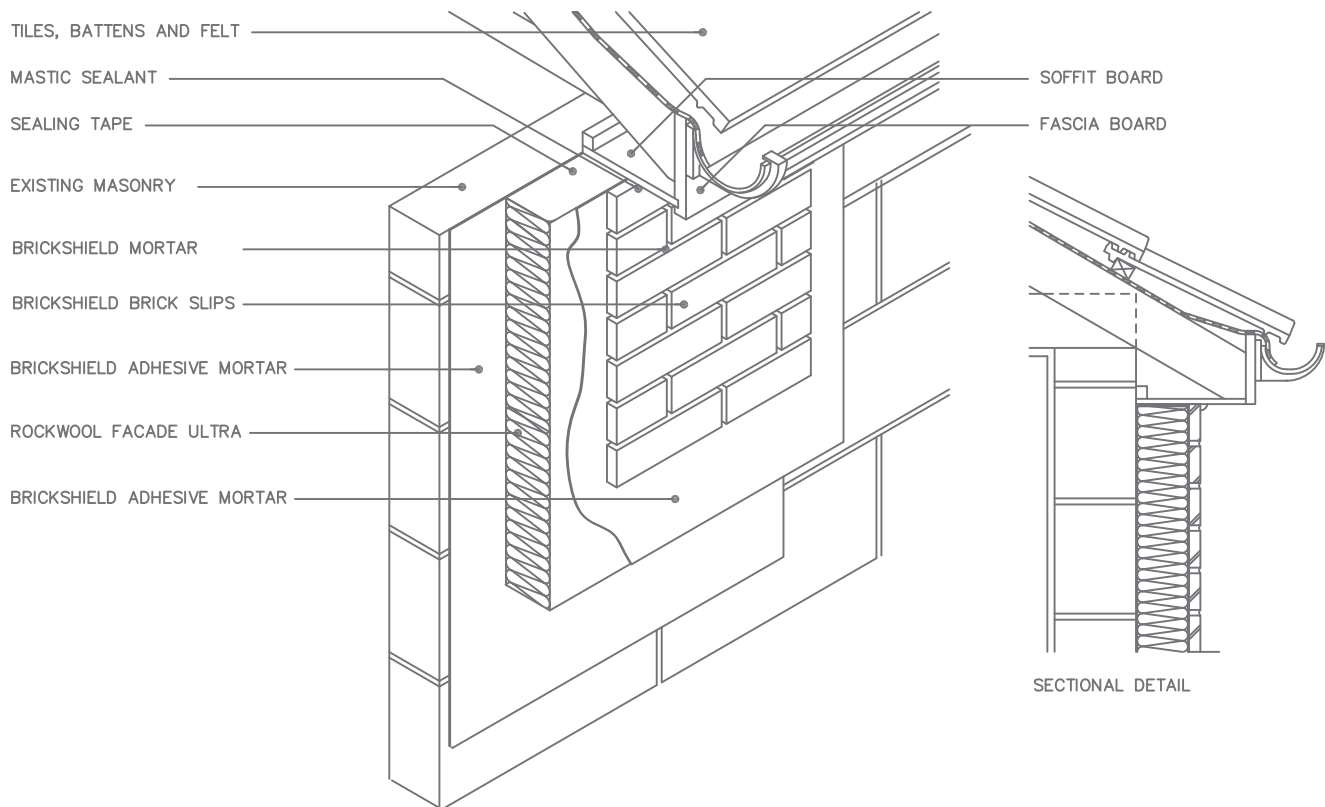
Photo 7 Notes

Brise solei

End of Report

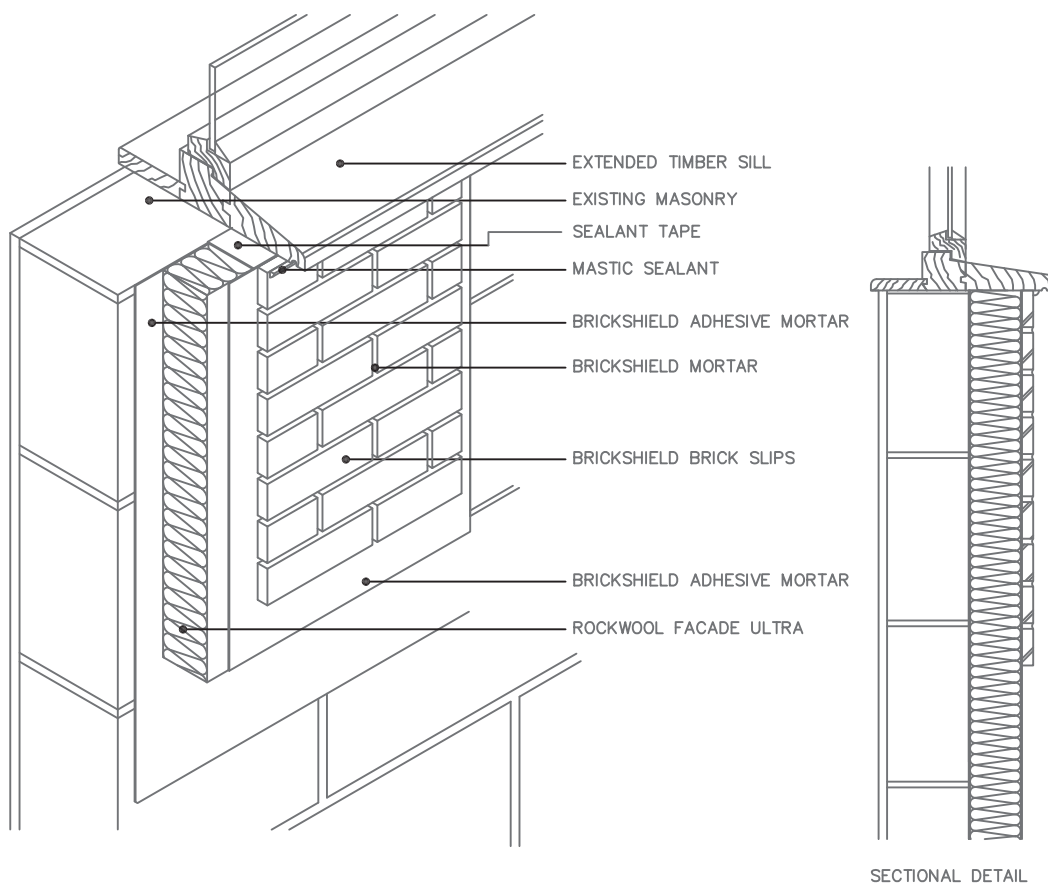


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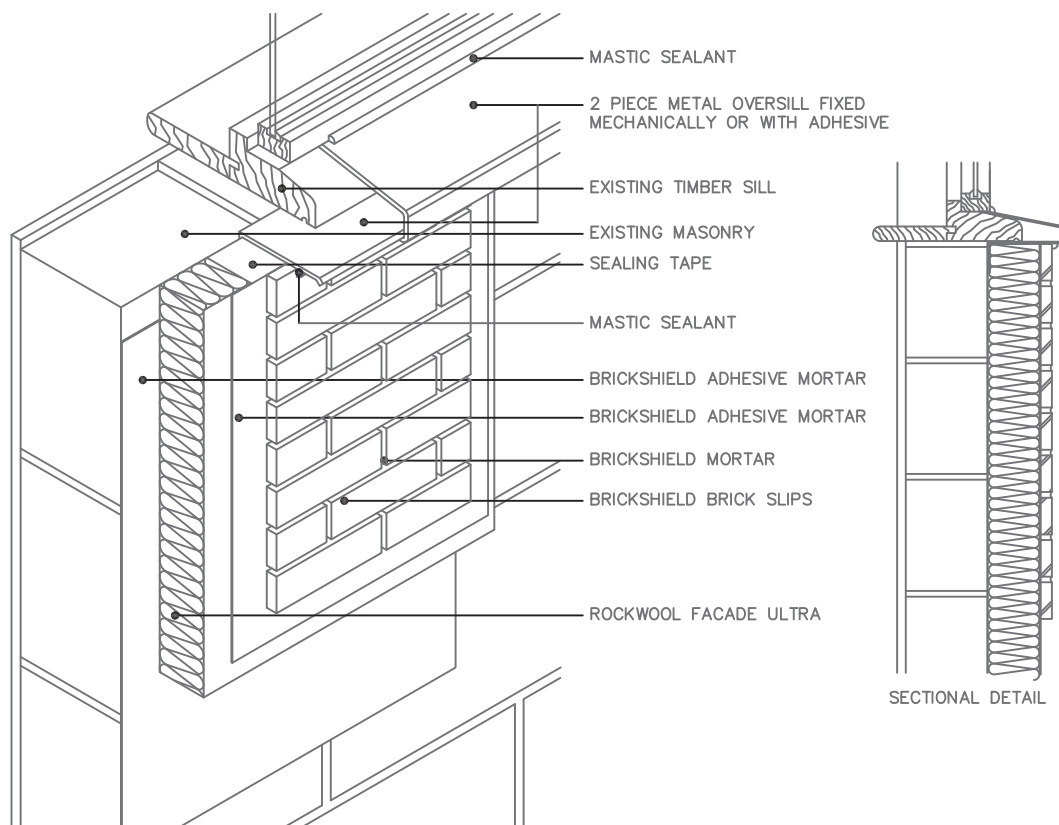
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Roof Perimeter Detail 2

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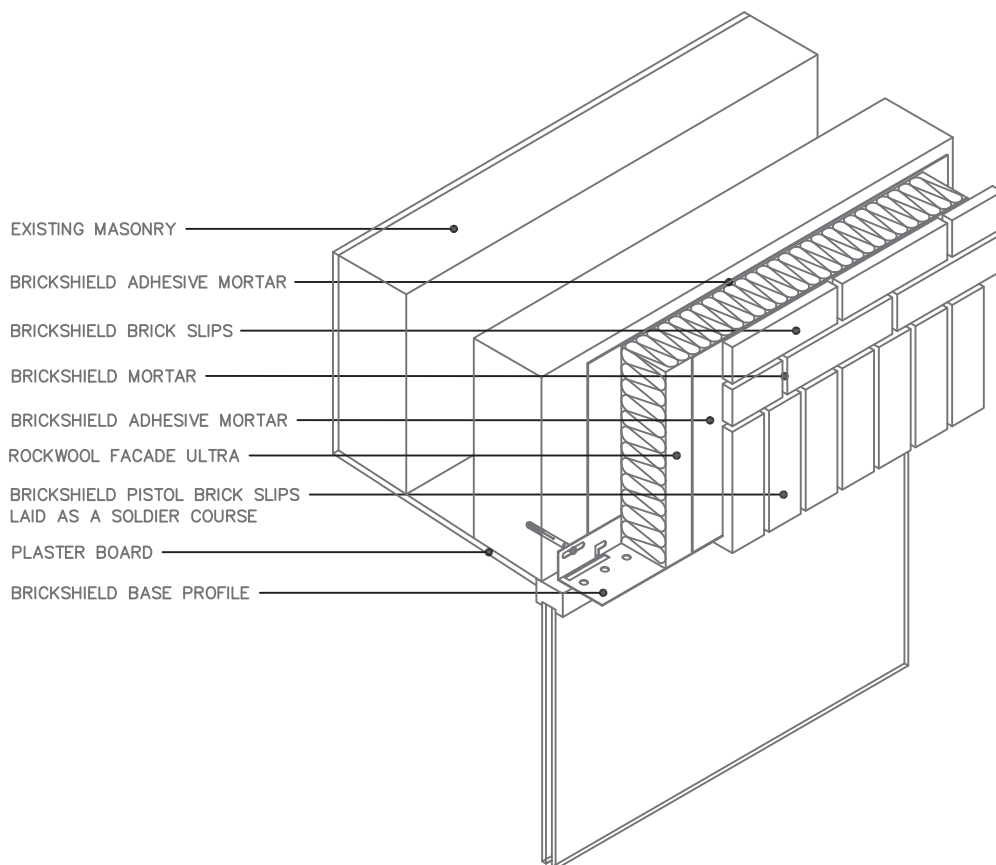
IBSTOCK ROCKWOOL BRICKSHIELD Extended Timber Sill

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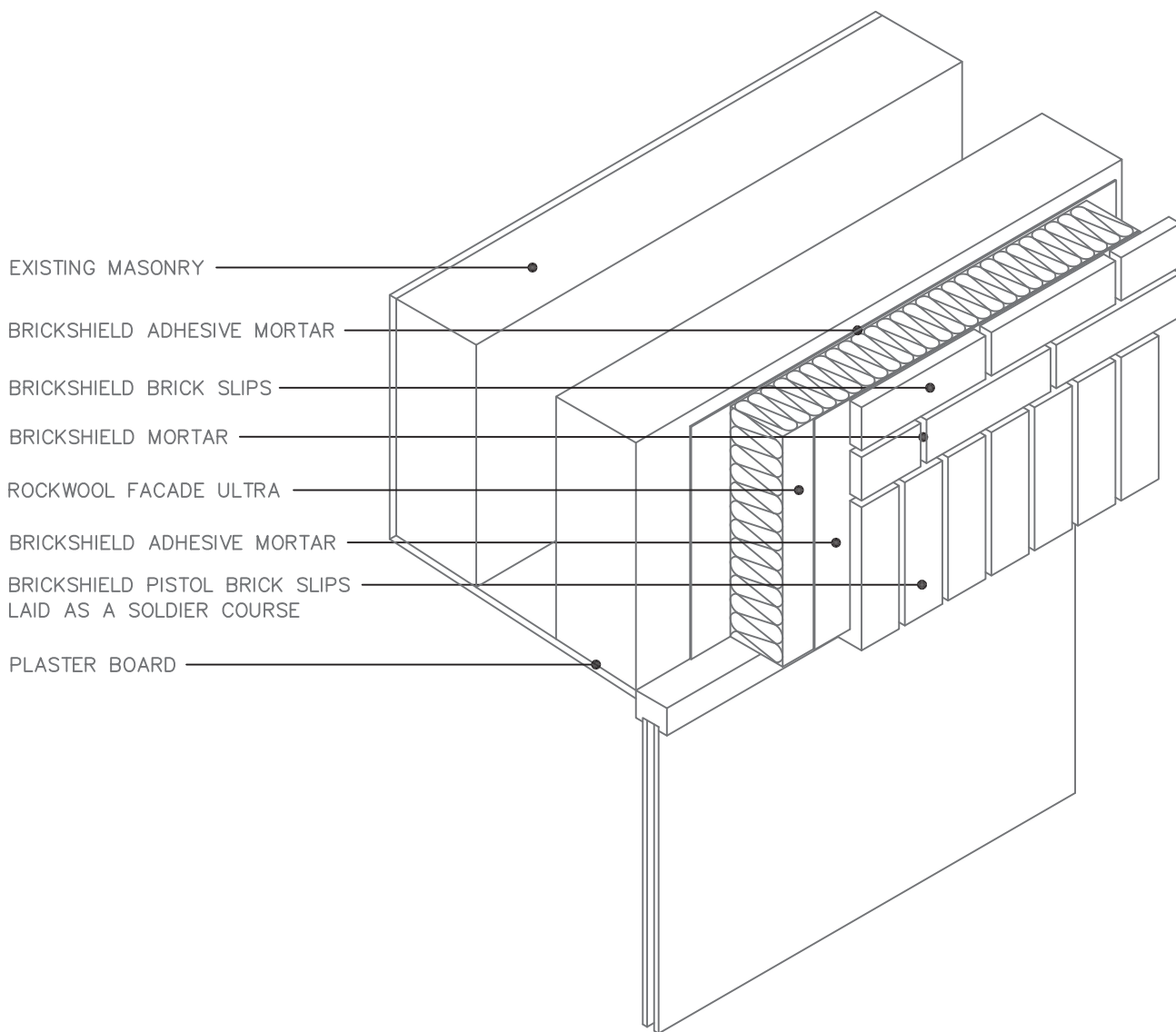
IBSTOCK ROCKWOOL BRICKSHIELD Metal Sill Extension

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IBSTOCK ROCKWOOL BRICKSHIELD
Window Head Detail 1

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			Scale: -----
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IBSTOCK ROCKWOOL BRICKSHIELD Window Head Detail 2



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Project:
IBSTOCK BRICK

Title:
**IBSTOCK ROCKWOOL
BRICKSHIELD
STANDARD DETAILS**

Drawn:
Daniel Spencer

Date:
23/09/2009

Scale:

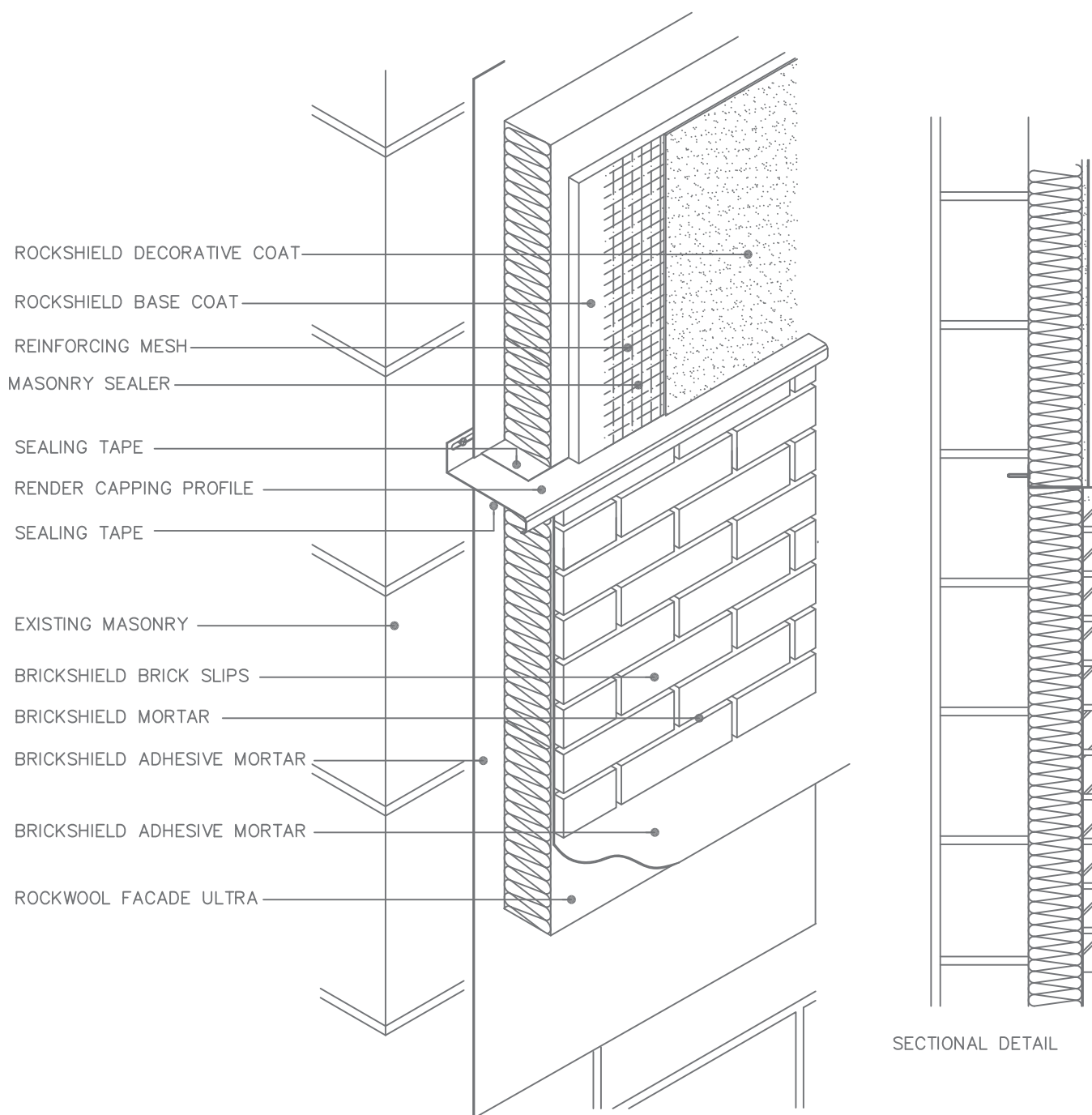
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Drg No:
CAD09/07-13

Rev:
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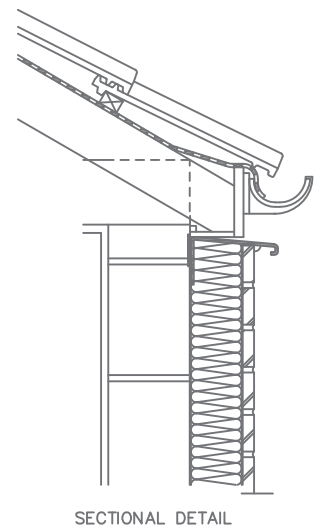
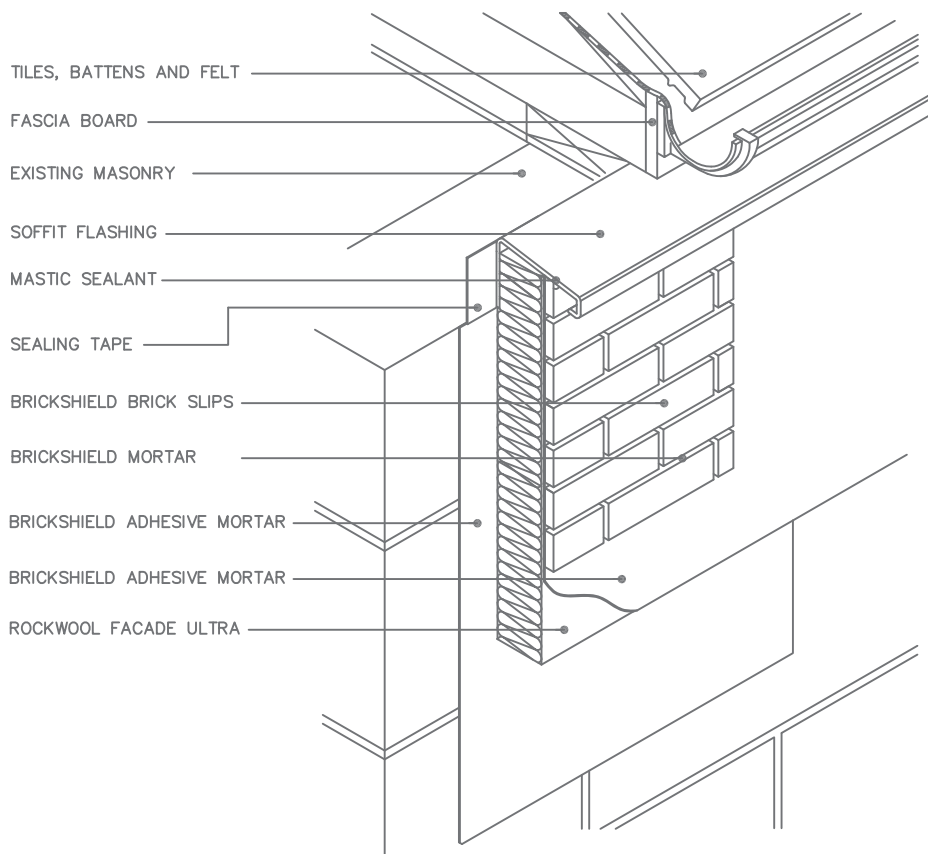
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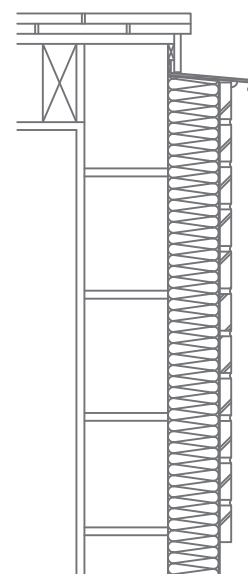
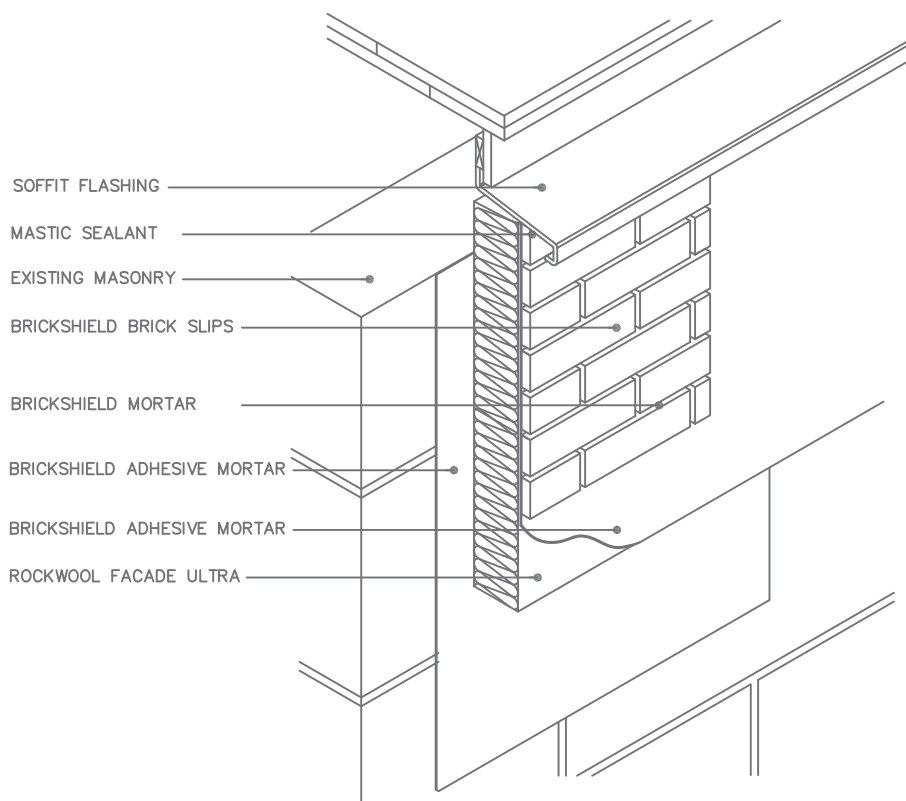
IBSTOCK ROCKWOOL BRICKSHIELD BRICK TO RENDER DETAIL

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IBSTOCK ROCKWOOL BRICKSHIELD
Roof Perimeter Detail 3

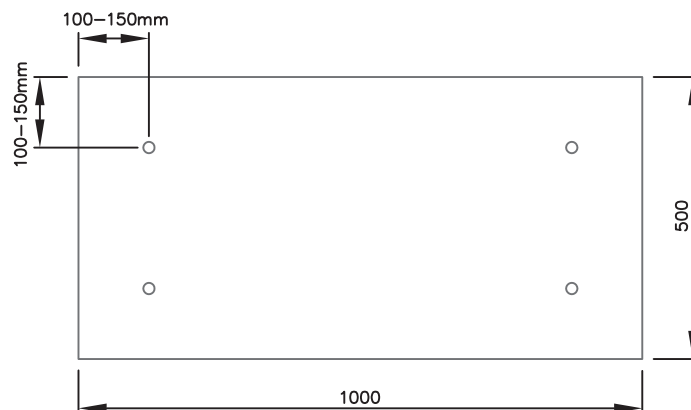
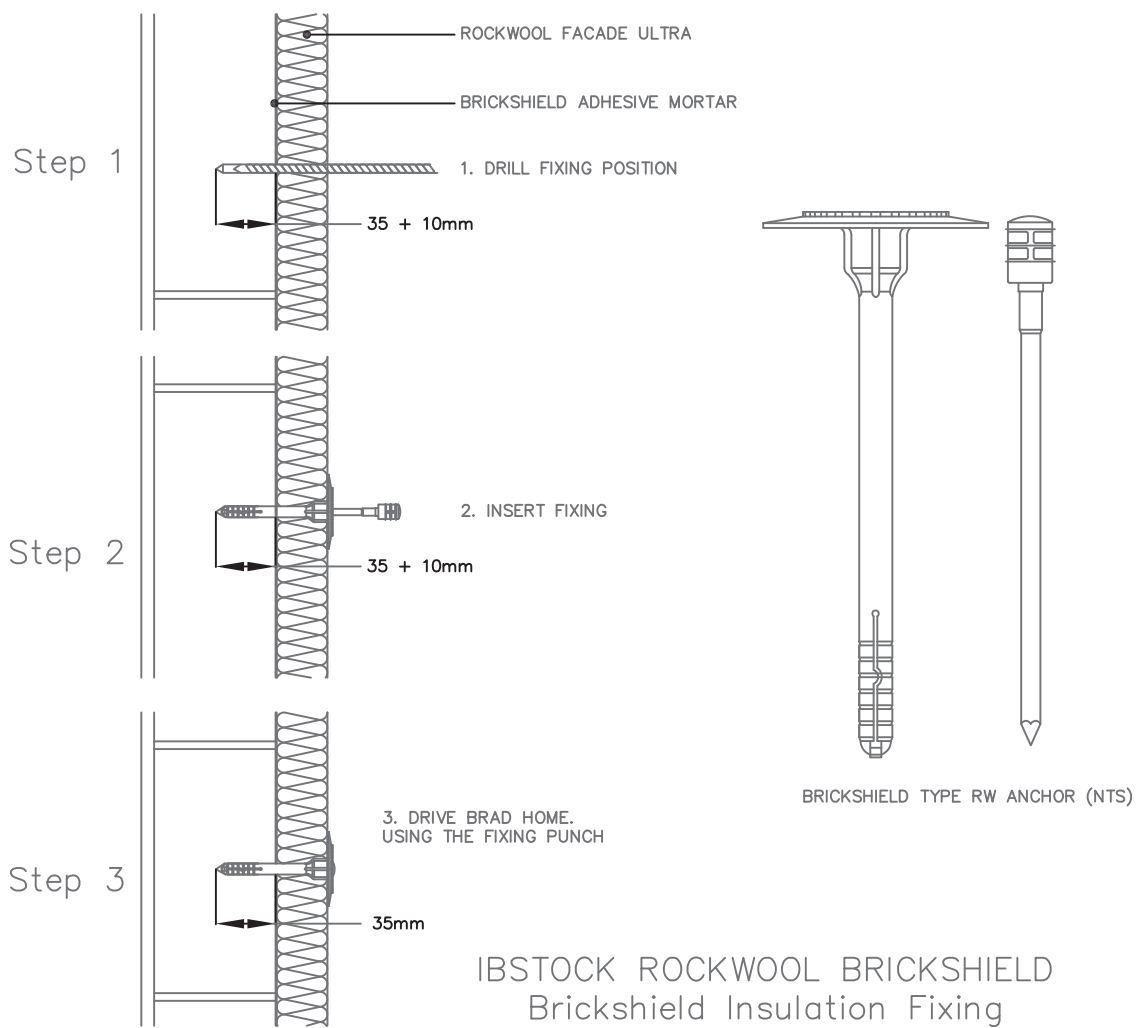
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SECTIONAL DETAIL

IBSTOCK ROCKWOOL ROCKSHIELD Roof Perimeter Detail 4

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ELEVATION OF ROCKWOOL FACADE ULTRA INSULATION
SHOWING FIXING POSITIONS

IBSTOCK
building sustainability

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Project:
IBSTOCK BRICK

Title:
IBSTOCK ROCKWOOL
BRICKSHIELD
STANDARD DETAILS

Drawn:
Daniel Spencer

Date:
23/09/2009

Scale:

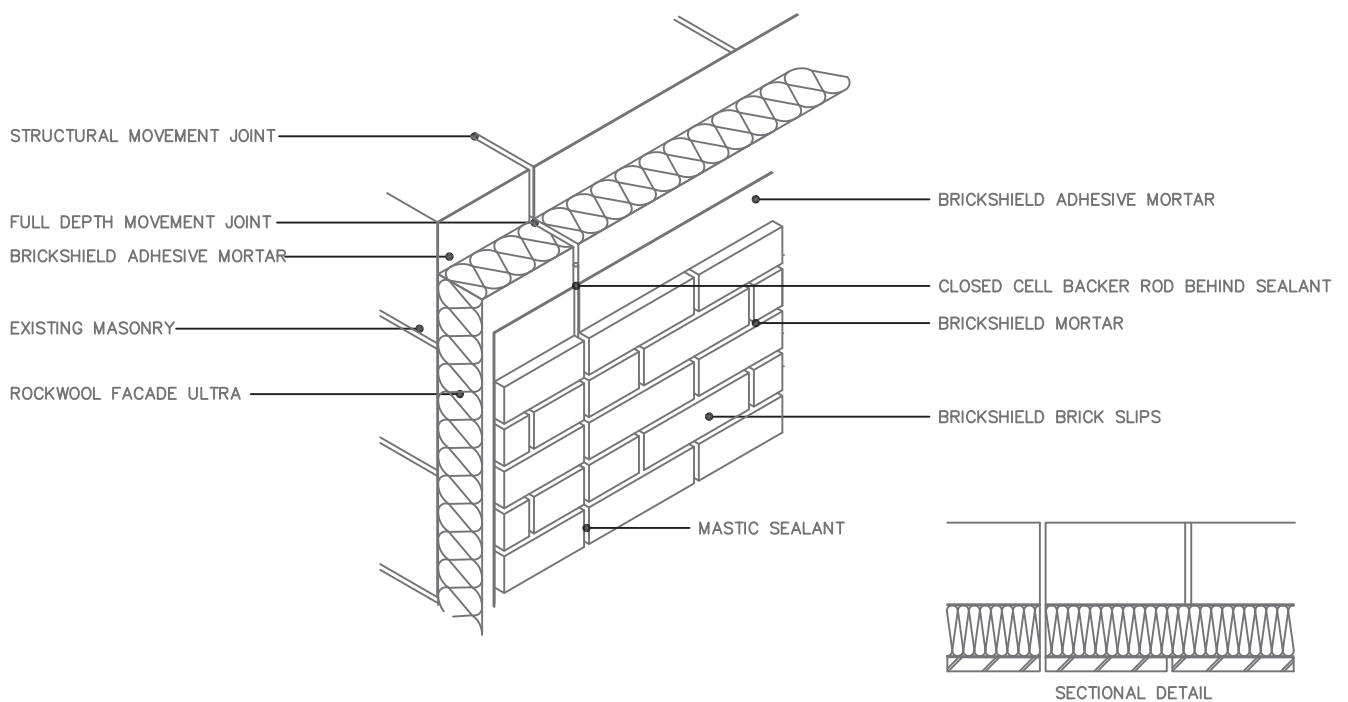
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Drg No:
CAD09/07-05

Rev:

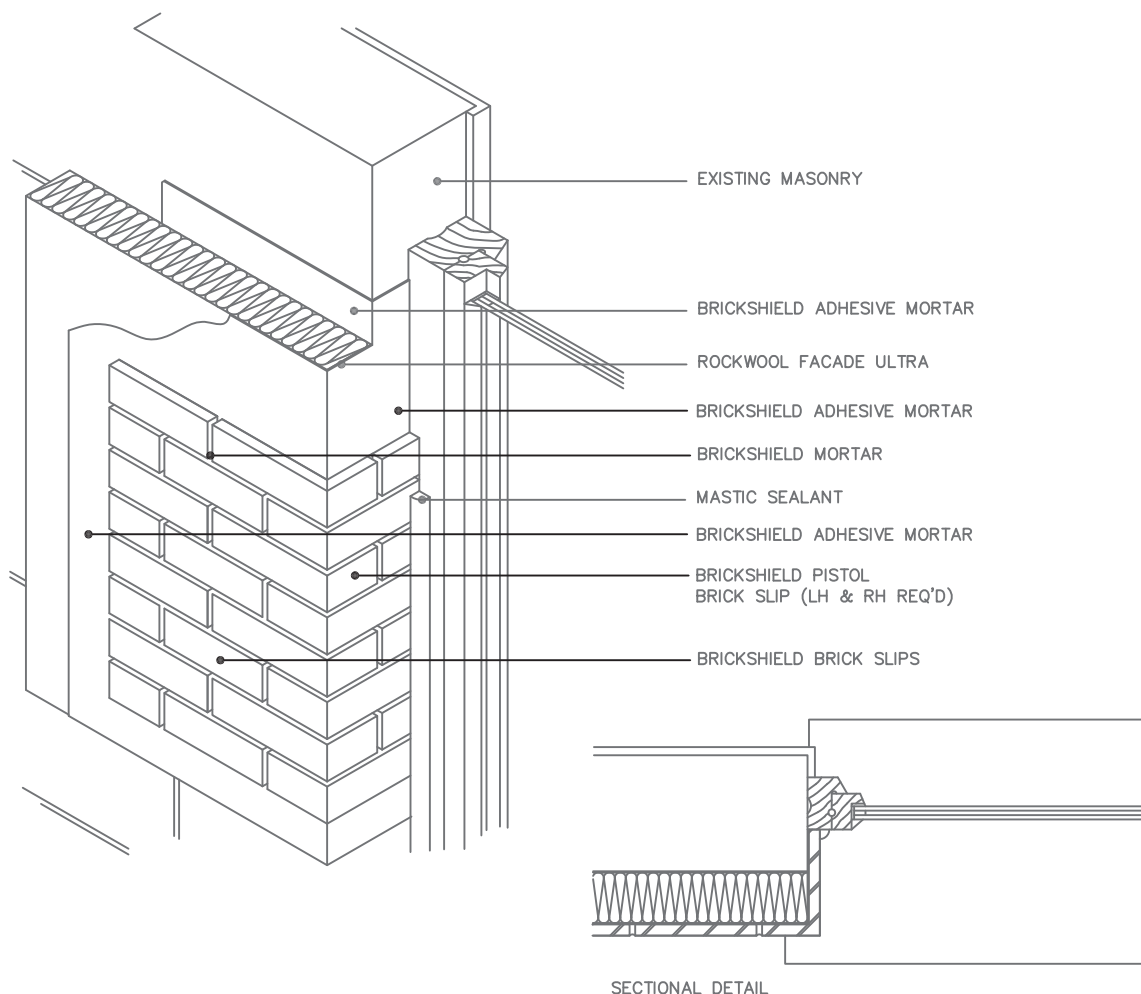
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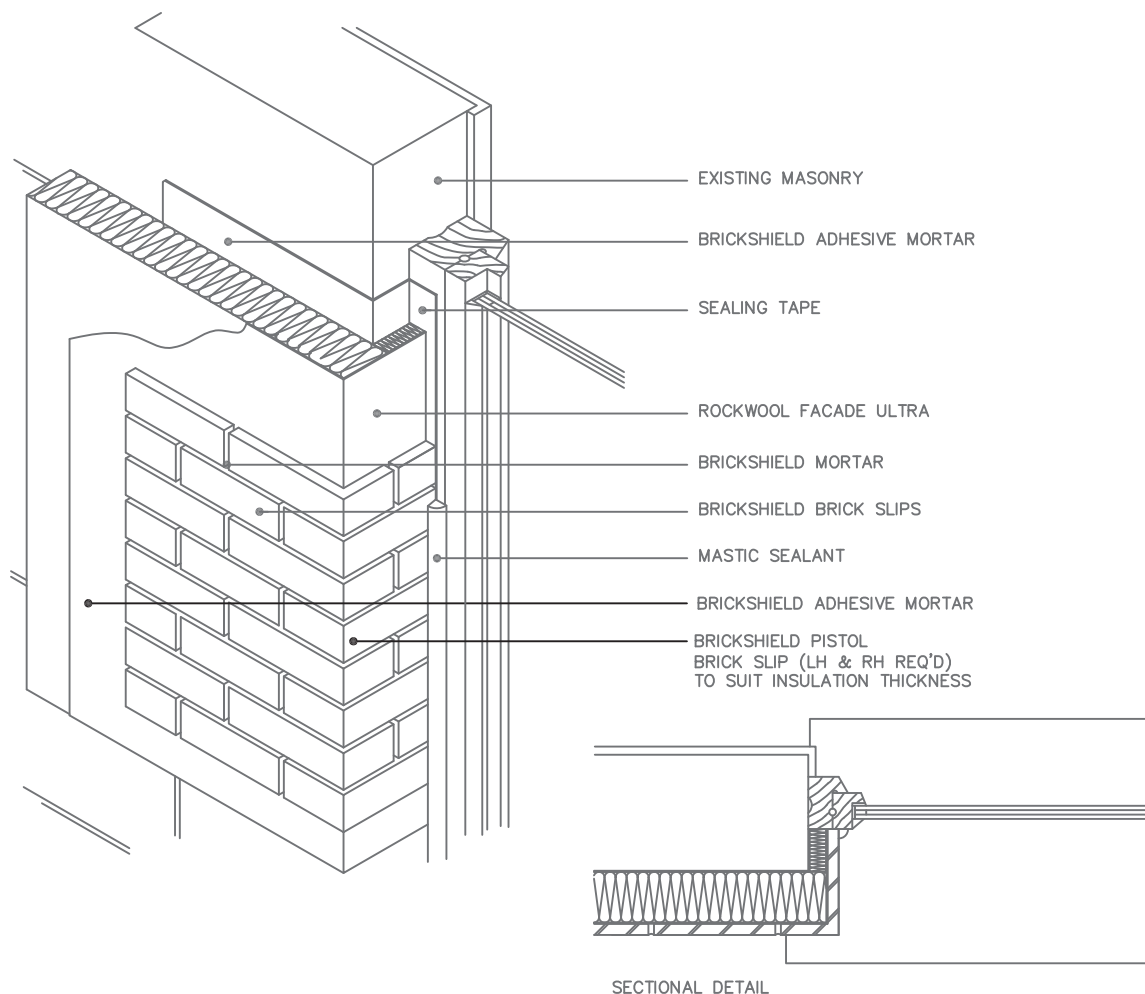
ROCKWOOL BRICKSHIELD Full Depth Movement Joint 1

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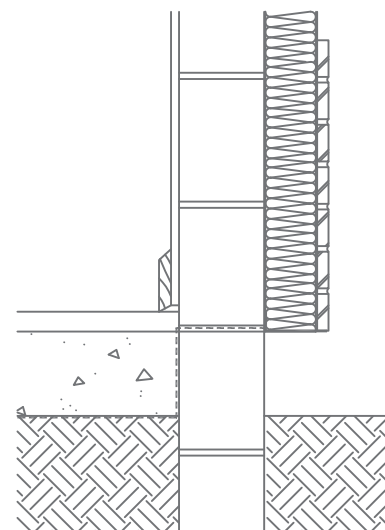
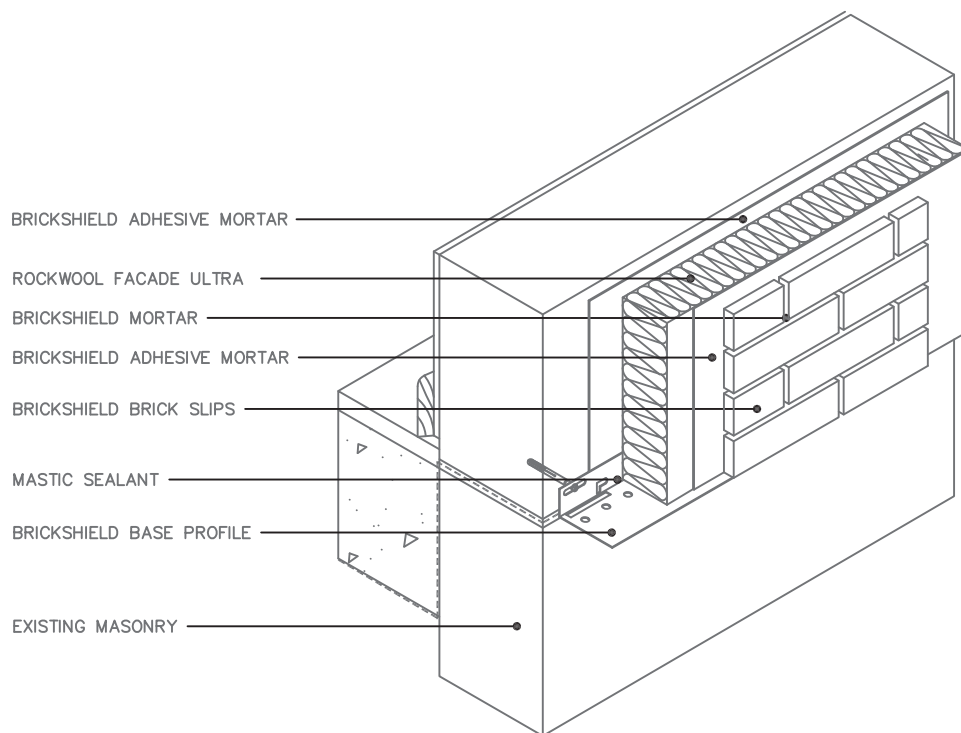
IBSTOCK ROCKWOOL BRICKSHIELD
Jamb Detail: (Brick Slip Non-insulated Return 1)

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IBSTOCK ROCKWOOL BRICKSHIELD Jamb Detail: (Insulated Brick Slip Return)

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SECTIONAL DETAIL

IBSTOCK ROCKWOOL BRICKSHIELD Base Detail

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ROCKWOOL® Facade Systems Standard Details

ROCKWOOL®



CREATE AND PROTECT®

ROCKWOOL®'s set of standard details is a comprehensive reference for use alongside the ROCKWOOL® facade systems; our complete external wall insulation solution. The standard design details included in this guide cover our facade insulation systems:

- REDArt Silicone +
- REDArt Silicone
- REDArt Brick Effect
- REDArt Dash
- ROCKSHIELD®
- ECOROCK®
- Dashshield
- Brick Effect

How to use the standard details

The standard details are divided into four sections.

1. Drawing schedule for 00 series, System information details
2. Drawing schedule for 21 series, Base track and termination details
3. Drawing schedule for 27 series, Roof details
4. Drawing schedule for 31 series, Window and opening details

ROCKWOOL® also provides a bespoke design solution with specific detail drawings and design concepts. Our expert team will work with you to ensure you have the best possible insulation solution for your project.

Interested?

For further information, contact our façade systems team.

Email: solutions@rockwool.com

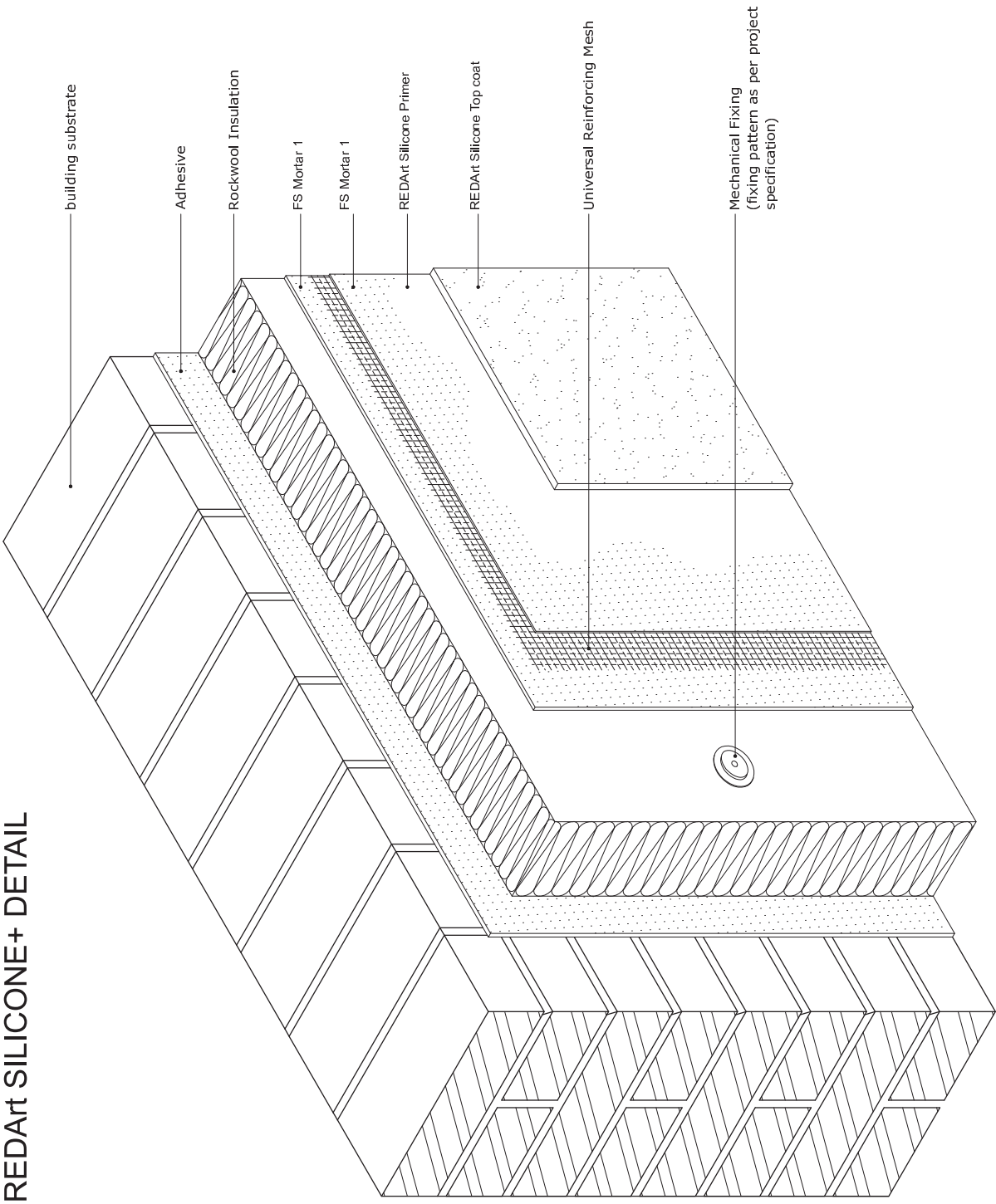
Phone: 01656 868 445

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REDArt SILICONE+ DETAIL



Notes:

Note:
ECOROCK IS A BRITISH GAS BRANDED SYSTEM AND CAN ONLY BE USED ON PROJECTS WHERE BRITISH GAS HAVE AN ACTIVE INVOLVEMENT.



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Client

Job Title

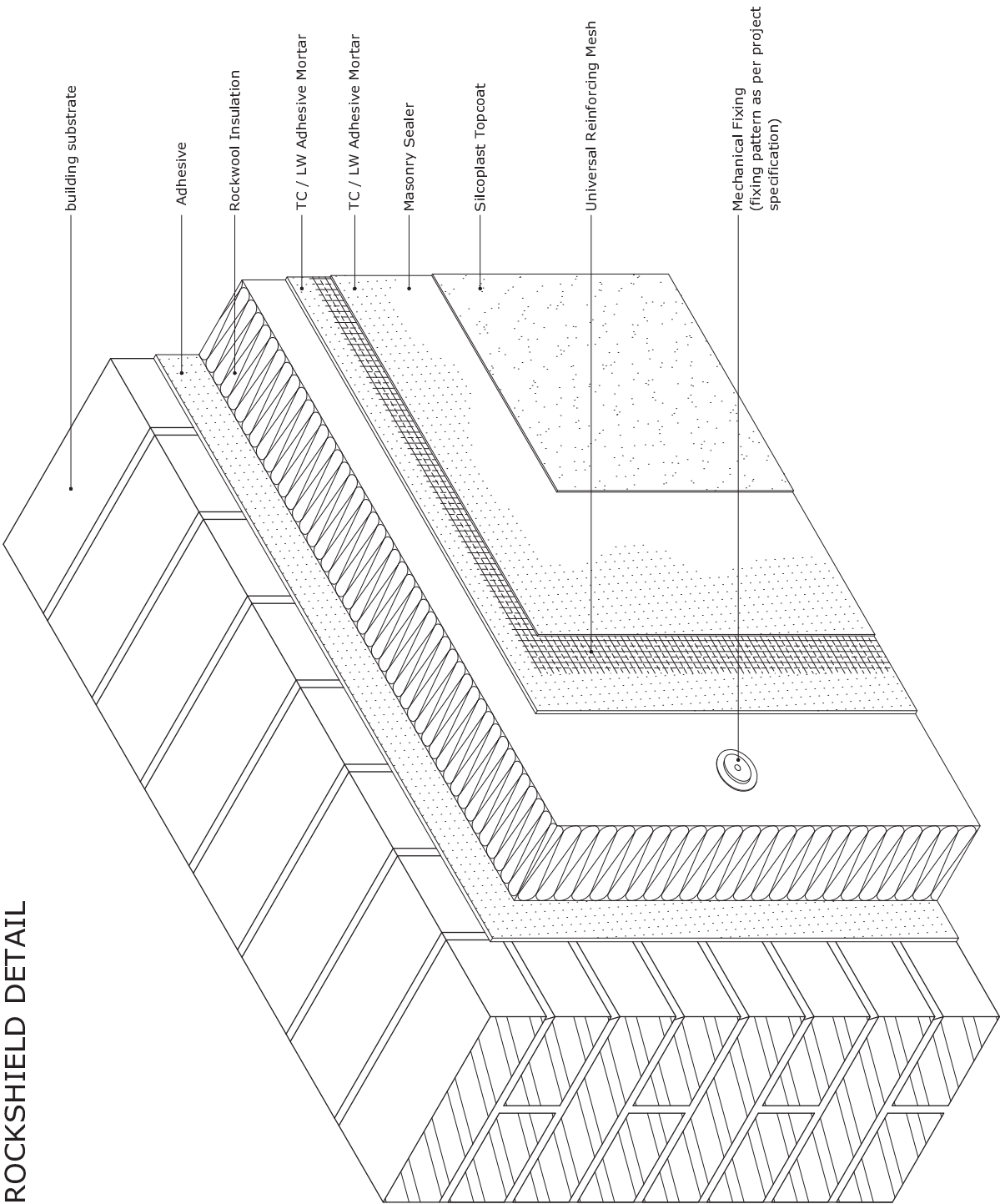
Drawing Title

ROCKWOOL® Standard Drawing
REDArt Silicone+ Detail

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Scale	NTS	Date
Sheet Size	A3	Drawn By
		ROCKWOOL® Tech
Drawing Number	RWSD (00) 002	Rev.

ROCKSHIELD DETAIL



Notes:

ROCKWOOL®

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Rockshield Detail

Scale NTS Date

Sheet Size A3 Drawn By

ROCKWOOL® Tech

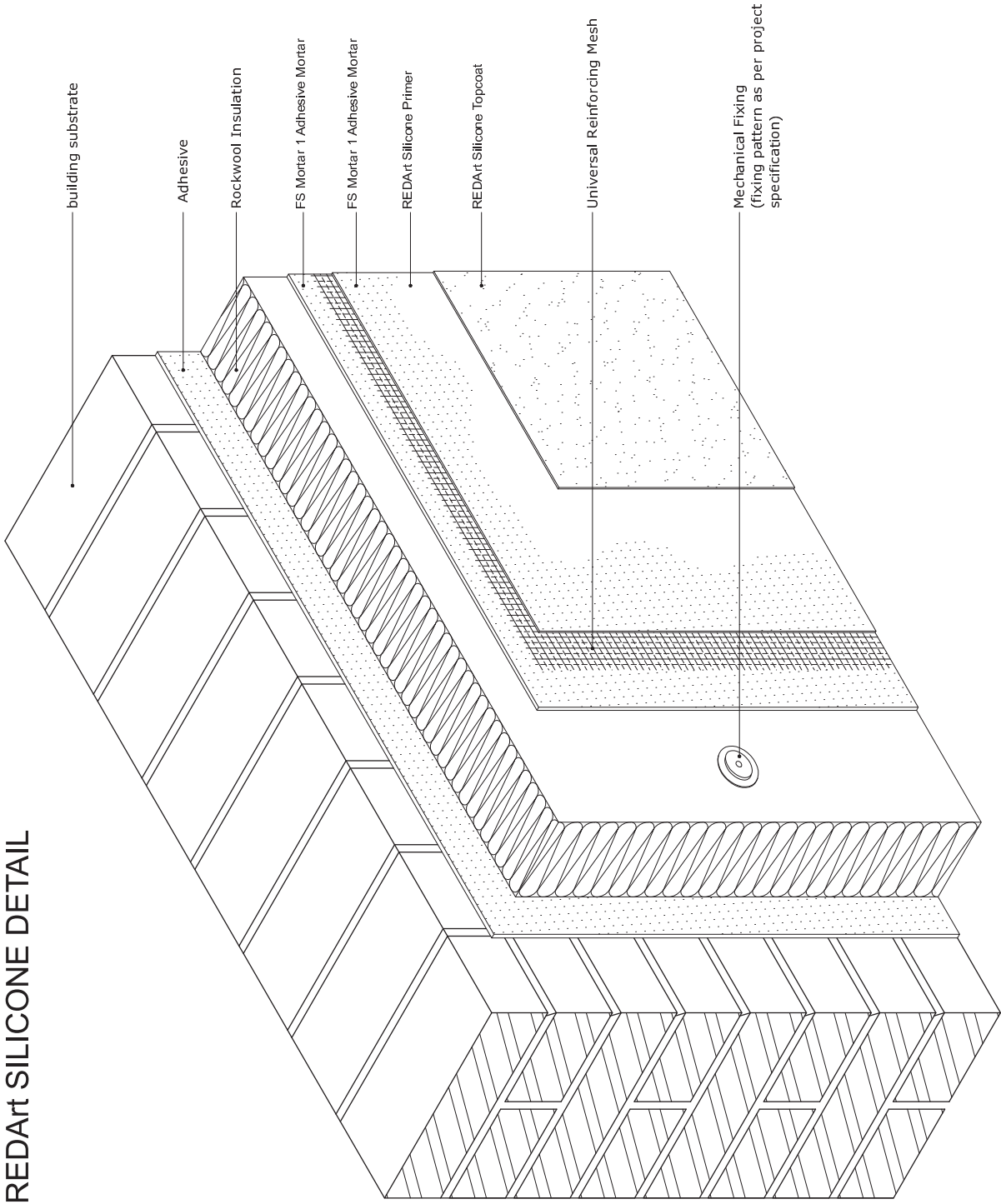
Drawing Number

RWSD (00) 001

Rev.

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REDArt SILICONE DETAIL



Notes:

ROCKWOOL®

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
REDArt Silicone Detail

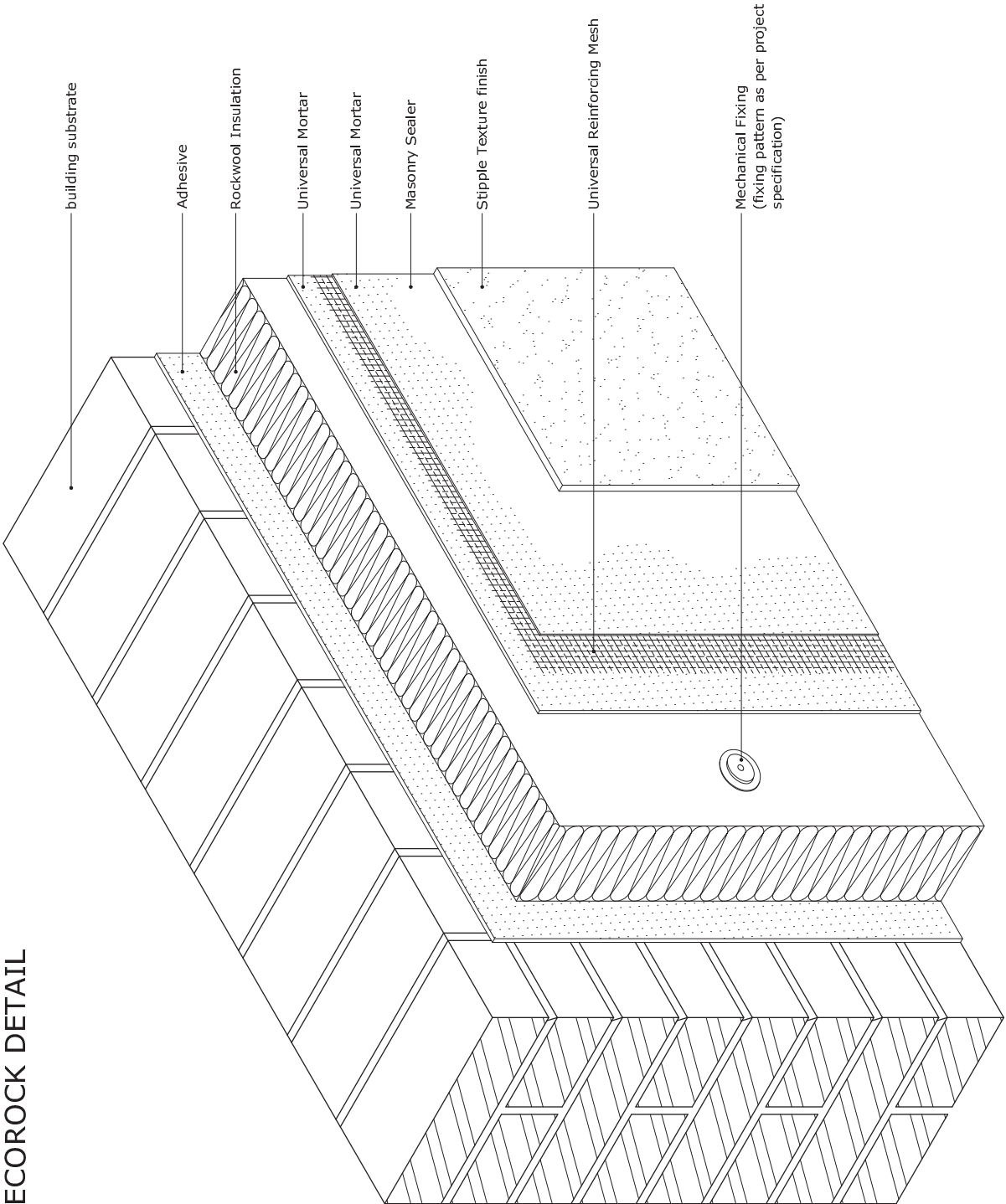
Scale NTS Date

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Drawing Number RWSD (00) 001 Rev.

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ECOROCK DETAIL



Notes:

Note:

ECOROCK IS A BRITISH GAS BRANDED SYSTEM AND CAN ONLY BE USED ON PROJECTS WHERE BRITISH GAS HAVE AN ACTIVE INVOLVEMENT.

ROCKWOOL®

www.rockwool.co.uk

Client

Job Title

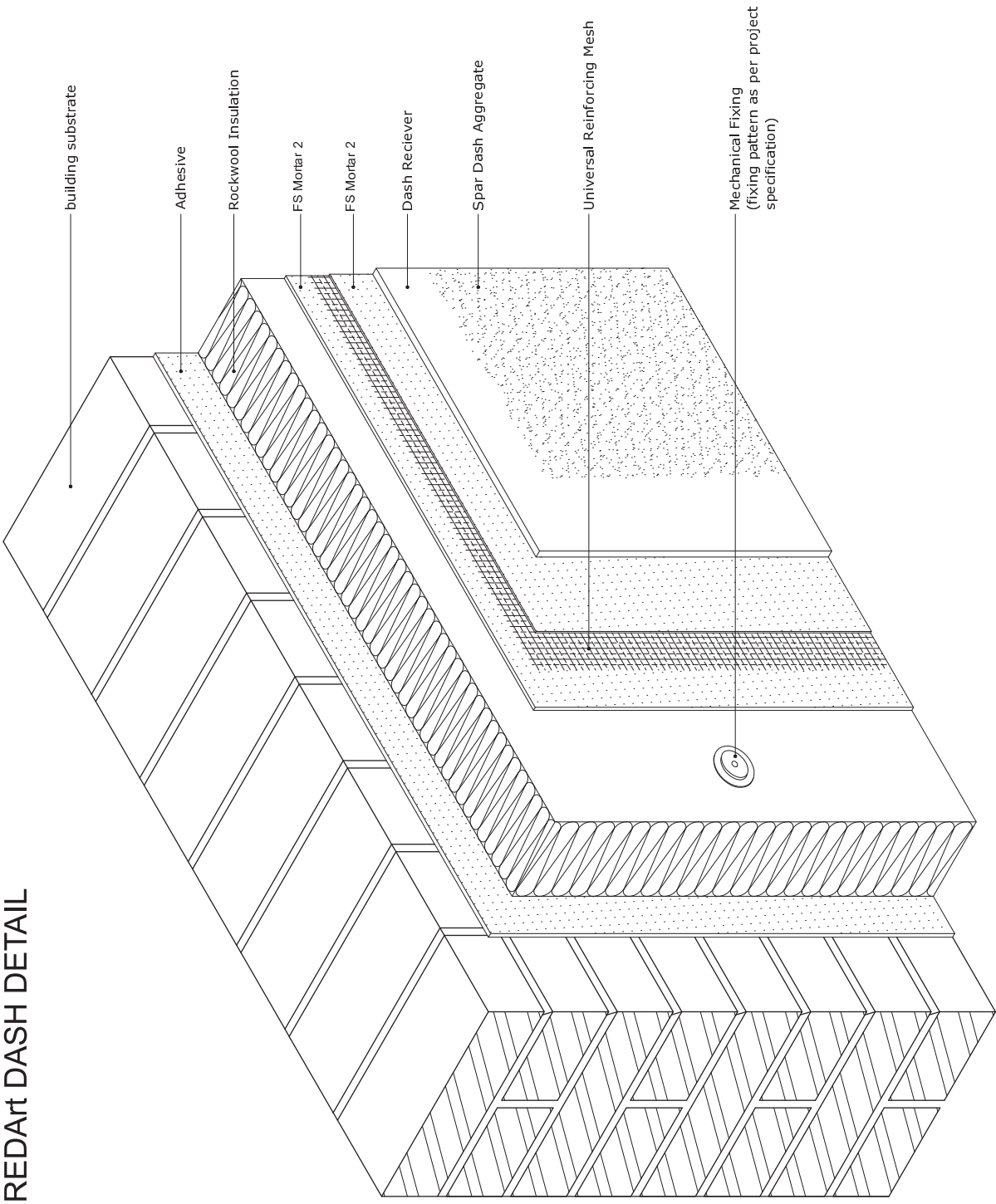
Drawing Title

ROCKWOOL® Standard Drawing
EcoRock Detail

Scale	NTS	Date
Sheet Size	A3	Drawn By
		ROCKWOOL® Tech
Drawing Number	RWSD (00) 002	Rev.

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REDArt DASH DETAIL



Notes:

ROCKWOOL®

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
REDArt Dash Detail

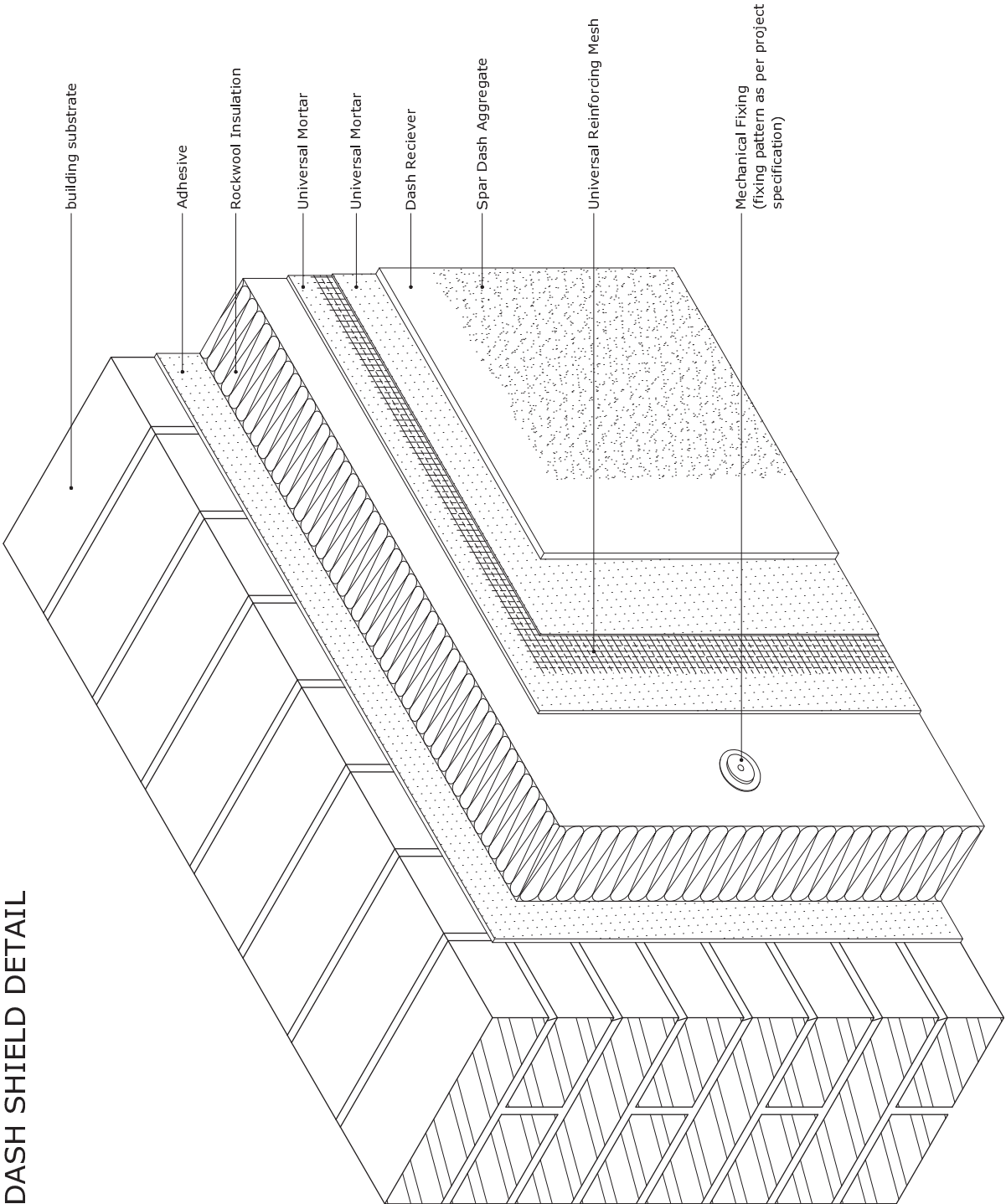
Scale NTS Date

Sheet Size A3 Drawn By ROCKWOOL® Tech

Drawing Number RWSD (00) 003 Rev.

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DASH SHIELD DETAIL



Notes:

ROCKWOOL®

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Dash Shield Detail

Scale NTS Date

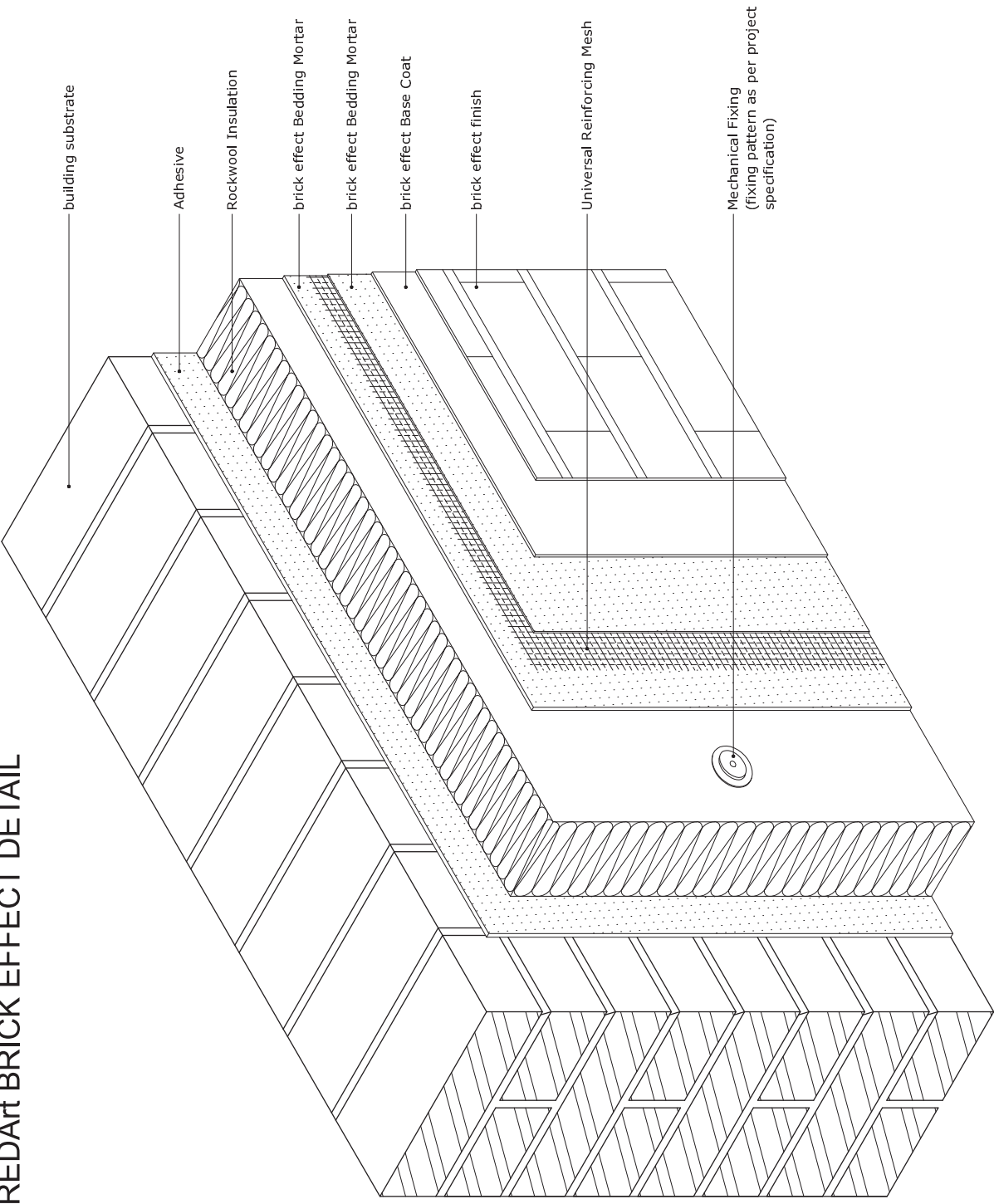
Sheet Size A3 Drawn By

ROCKWOOL® Tech

Drawing Number RWSD (00) 003 Rev.

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REDart BRICK EFFECT DETAIL



Notes:

ROCKWOOL®

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
REDart Brick Effect Detail

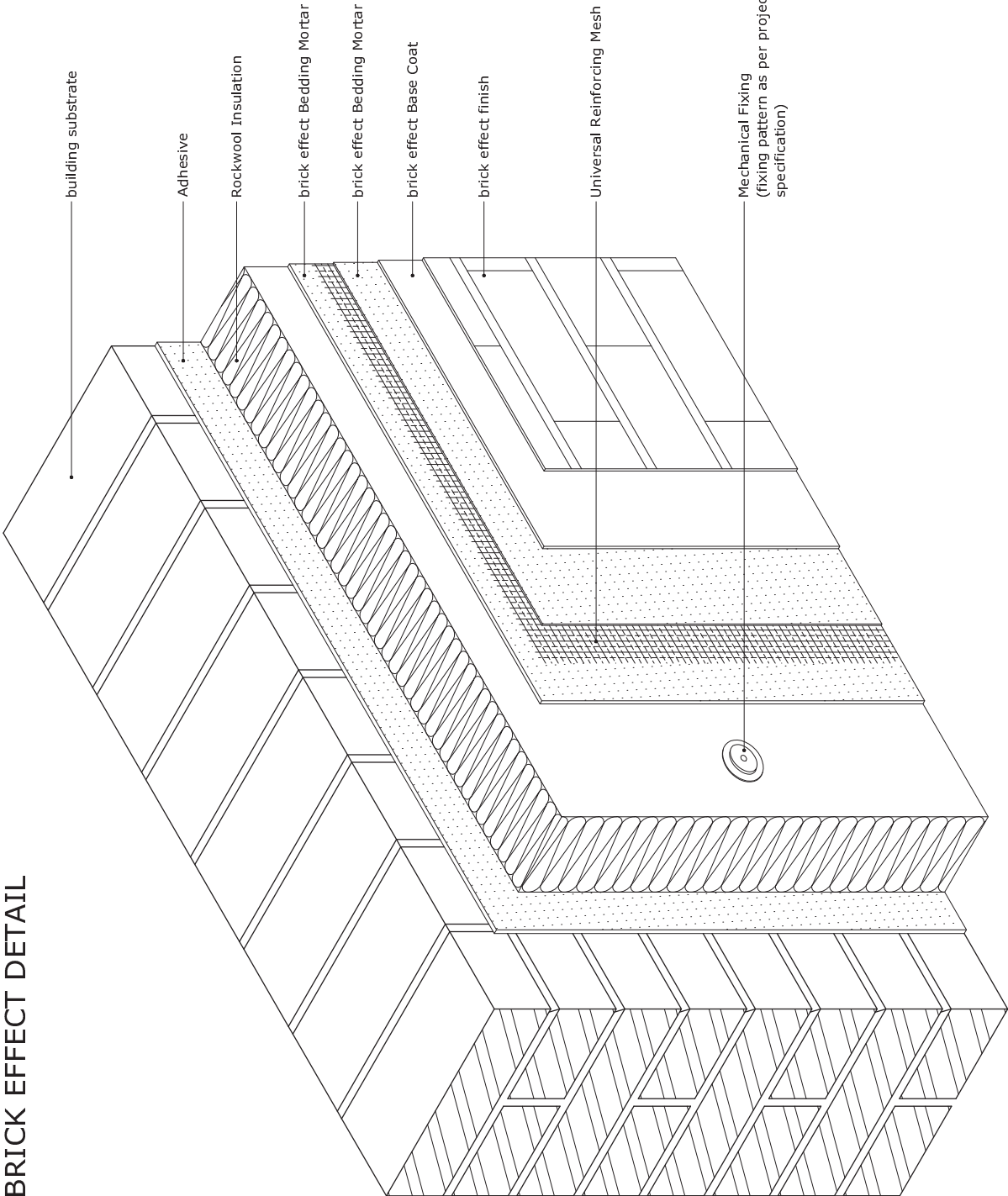
Scale NTS Date

Sheet Size A3 Drawn By ROCKWOOL® Tech

Drawing Number RWSD (00) 004 Rev.

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BRICK EFFECT DETAIL



Notes:

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Brick Effect Detail

Scale NTS Date

Sheet Size A3 Drawn By ROCKWOOL® Tech

Drawing Number RWSD (00) 004 Rev.

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Notes:

Note:
ALL DIMENSION LINES ARE TO THE CENTRE OF FIXINGS
UNLESS OTHERWISE STATED.
FIXINGS AROUND WINDOWS AT MAX 300MM CTS.

Alternative fixing patterns may be suitable for building up to
8 storey's in height. Please refer to Rockwool drawings RW
- FP - 002 to 007 for guidance.

These calculations are based on the fixings achieving
characteristic loadings of 0.7kN. Rockwool can undertake
pull out tests as needed to confirm these loadings

These are based on an adhesive and mechanical fix system.

150mm offset from edge of board

200mm min overhang

300mm max
cts

100mm min

200mm min
overhang

150mm from
baseline

ROCKWOOL®

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Client

Job Title

Drawing Title

Fixing Pattern for all Building Types

Scale NTS Date

Sheet Size A3 Drawn By ROCKWOOL® Tech

Drawing Number RWSD (00) 010 Rev. _____

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only. Rockwool does not accept any liability for this detail unless it already falls within the terms of any existing warranty
between yourselves and Rockwool for this project.

☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ Ecoorock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect

Notes:

Note:
ALL DIMENSION LINES ARE TO THE CENTRE OF FIXINGS
UNLESS OTHERWISE STATED.
FIXINGS AROUND WINDOWS AT MAX 300MM CTS.

- Storey height is based on 3m
- Building must be situated at least 10km from coast
- The site must be below 100m above Ordinance Datum
- Basic wind speed = 25m/s
- Based on fixing loads of 0.7kN recommended load per fixing
- Assumes funnelling effect from neighbouring buildings
- Calculated in accordance with BS 6399
- Roof canopies or parapets greater than 300mm have not been taken into account. Any canopies or parapets greater than 300mm will require further calculation and may fall outside of the guidance of this drawing
- This fixing pattern is based on fixing to existing structures only
- These calculations are based on the fixings achieving characteristic loadings of 0.7kN. Rockwool can undertake pull out tests as needed to confirm these loadings

These are based on an adhesive and mechanical fix system.

ROCKWOOL®

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Client

Job Title

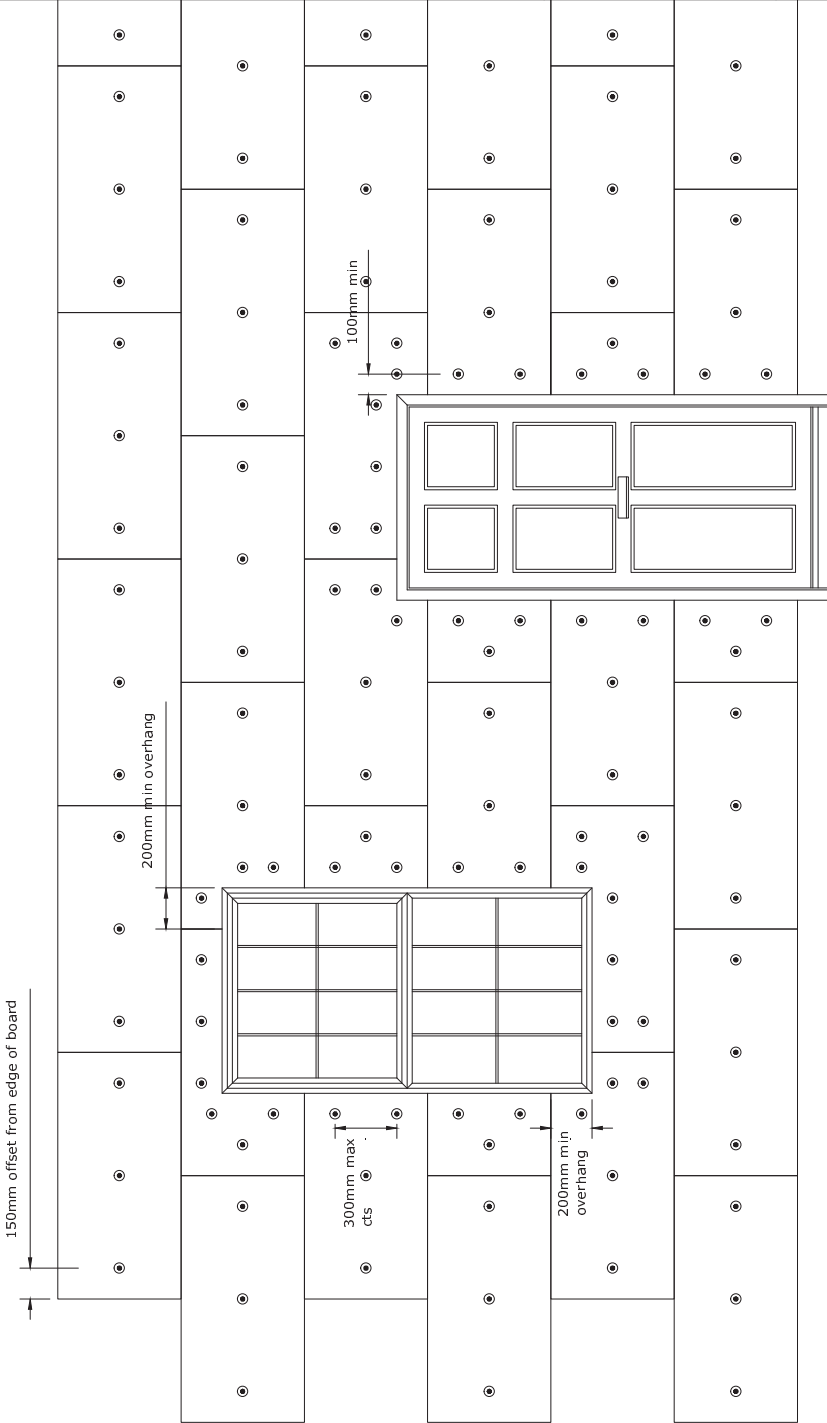
Drawing Title

Fixing Pattern for 2 Storey Buildings -
Option 1

Scale	NTS	Date
Sheet Size	A3	Drawn By
		ROCKWOOL® Tech
Drawing Number	RWSD (00) 011	Rev.
		—

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☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ Ecoorock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect



Notes:

Note:
ALL DIMENSION LINES ARE TO THE CENTRE OF FIXINGS
UNLESS OTHERWISE STATED.
FIXINGS AROUND WINDOWS AT MAX 300MM CTS.

- Storey height is based on 3m
- The site must be below 65m above Ordinance Datum (for sites higher than this and within 10km of the coast, please refer to RW - FP - 005)
- Basic wind speed = 25m/s
- Based on fixing loads of 0.7kN recommended load per fixing
- Assumes funnelling effect from neighbouring buildings
- Calculated in accordance with BS 6399
- Roof canopies or parapets greater than 300mm have not been taken into account. Any canopies or parapets greater than 300mm will require further calculation and may fall outside of the guidance of this drawing
- This fixing pattern is based on fixing to existing structures only
- These calculations are based on the fixings achieving characteristic loadings of 0.7kN. Rockwool can undertake pull out tests as needed to confirm these loadings

These are based on an adhesive and mechanical fix system.

ROCKWOOL®

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Client

Job Title

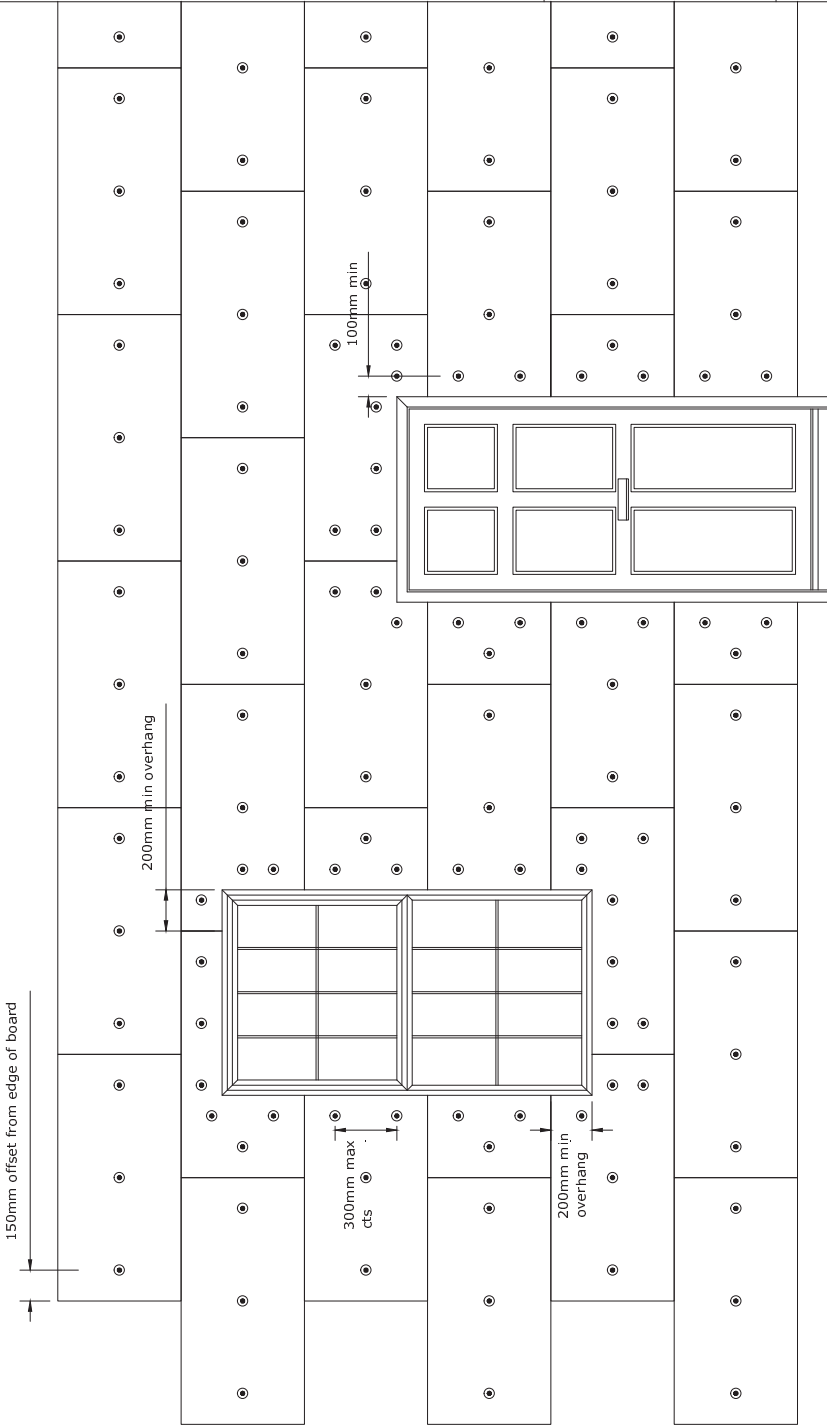
Drawing Title

Fixing Pattern for 2 Storey Buildings -
Option 2

Scale	NTS	Date
Sheet Size	A3	Drawn By
		ROCKWOOL® Tech
Drawing Number	RWSD (00) 012	Rev.
		—

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☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ Ecoorock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect



Notes:

Note:
ALL DIMENSION LINES ARE TO THE CENTRE OF FIXINGS
UNLESS OTHERWISE STATED.
FIXINGS AROUND WINDOWS AT MAX 300MM CTS.

- Storey height is based on 3m
- The site must be below 50m above Ordinance Datum
- Basic wind speed = 24m/s
- Based on fixing loads of 0.7kN recommended load per fixing
- Assumes funnelling effect from neighbouring buildings
- Calculated in accordance with BS 6399
- Roof canopies or parapets greater than 300mm have not been taken into account. Any canopies or parapets greater than 300mm will require further calculation and may fall outside of the guidance of this drawing
- This fixing pattern is based on fixing to existing structures only
- These calculations are based on the fixings achieving characteristic loadings of 0.7kN. Rockwool can undertake pull out tests as needed to confirm these loadings

These are based on an adhesive and mechanical fix system.



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Client

Job Title

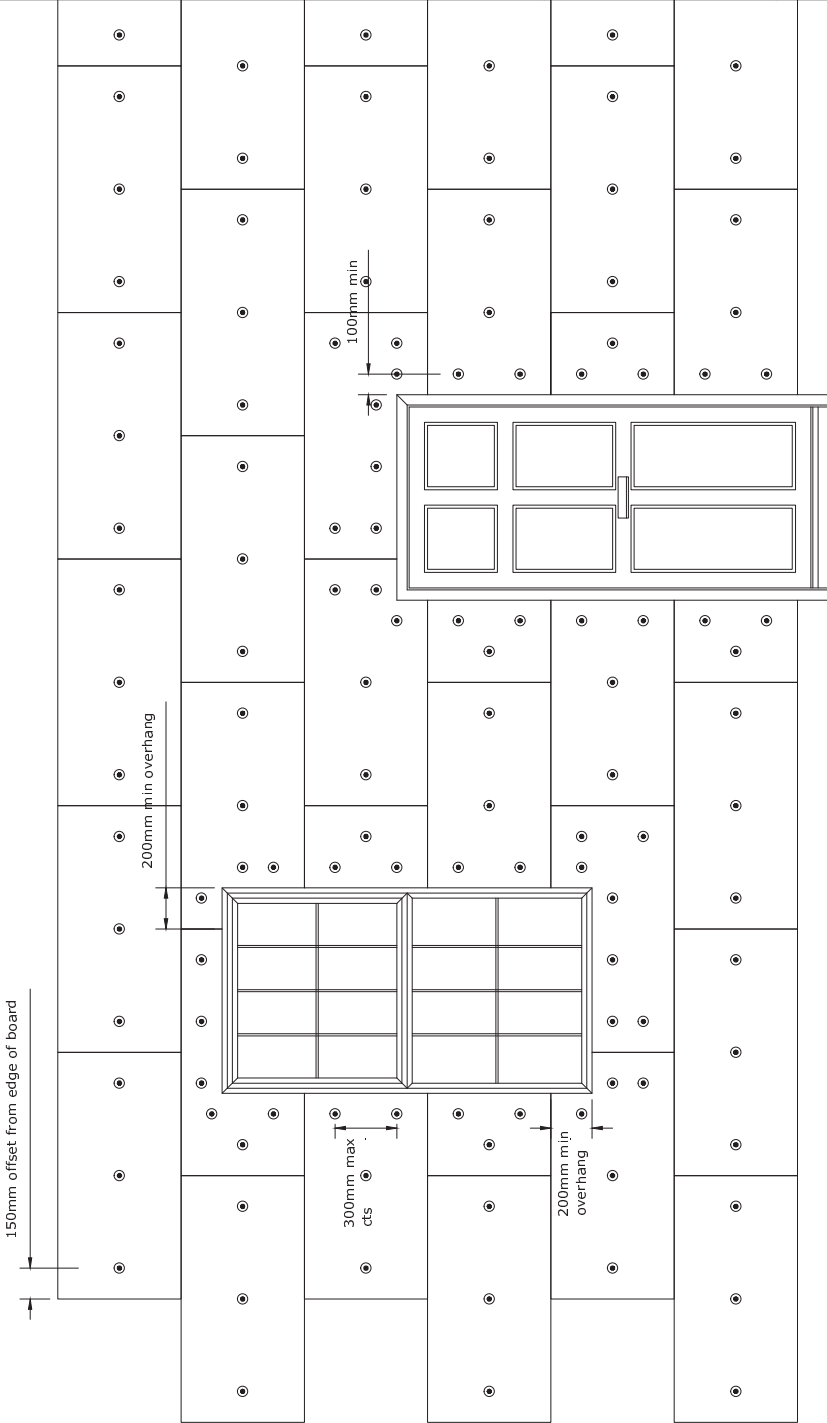
Drawing Title

Fixing Pattern for 5 Storey Buildings -
Option 1

Scale	NTS	Date
Sheet Size	A3	Drawn By
		ROCKWOOL® Tech
Drawing Number	RWSD (00) 013	Rev.
		—

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☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ Ecoorock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect



Notes:

Note:
ALL DIMENSION LINES ARE TO THE CENTRE OF FIXINGS
UNLESS OTHERWISE STATED.
FIXINGS AROUND WINDOWS AT MAX 300MM CTS.

- Storey height is based on 3m
- The site must be below 170m above Ordinance Datum
- Basic wind speed = 25m/s
- Based on fixing loads of 0.7kN recommended load per fixing
- Assumes funnelling effect from neighbouring buildings
- Calculated in accordance with BS 6399
- Roof canopies or parapets greater than 300mm have not been taken into account. Any canopies or parapets greater than 300mm will require further calculation and may fall outside of the guidance of this drawing
- This fixing pattern is based on fixing to existing structures only
- These calculations are based on the fixings achieving characteristic loadings of 0.7kN. Rockwool can undertake pull out tests as needed to confirm these loadings

These are based on an adhesive and mechanical fix system.



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Client

Job Title

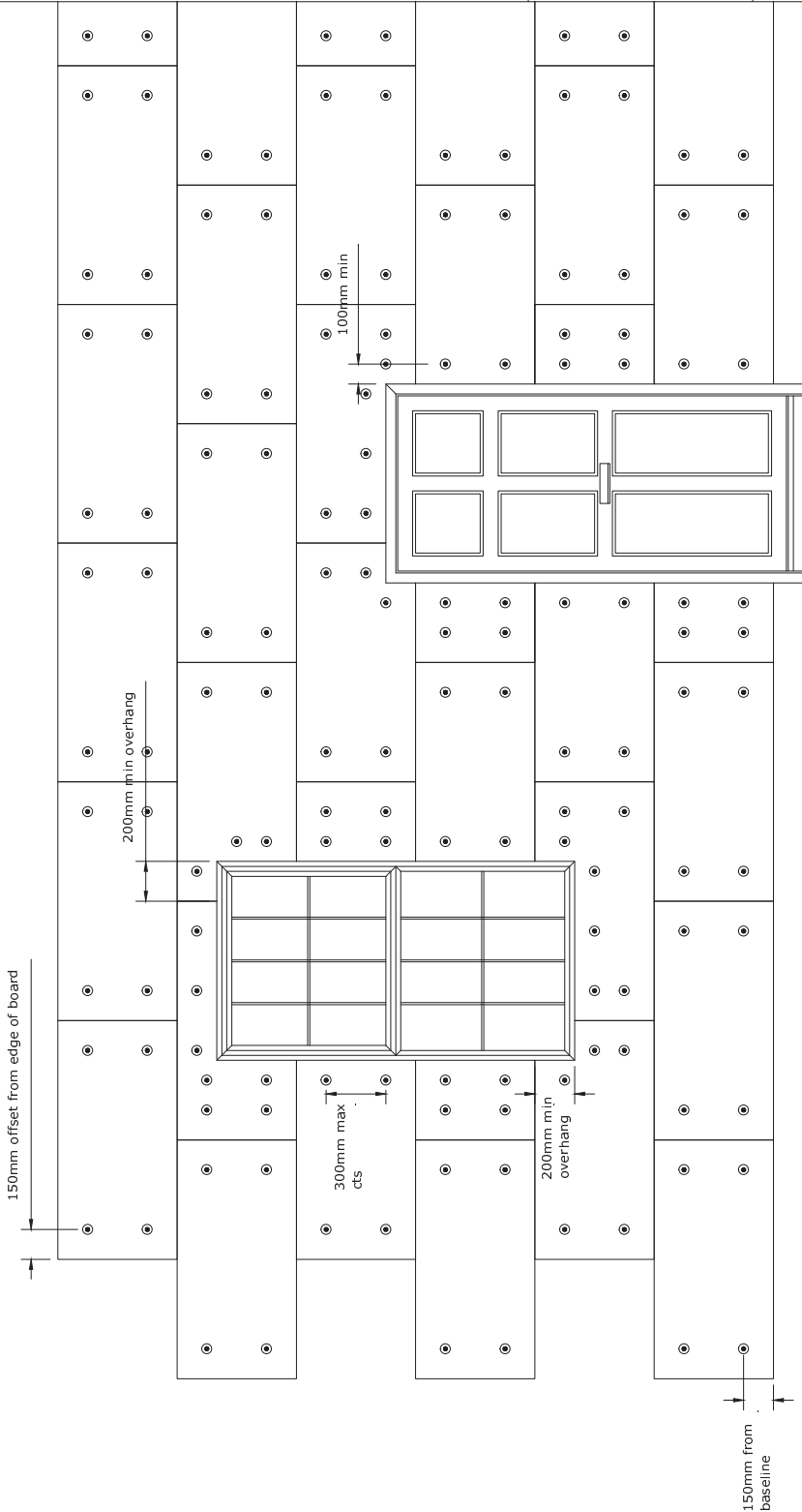
Drawing Title

Fixing Pattern for 5 Storey Buildings -
Option 2

Scale	NTS	Date
Sheet Size	A3	Drawn By
		ROCKWOOL® Tech
Drawing Number	RWSD (00) 014	Rev.
		—

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☒ REDart Silicone +	☒ Rockshield
☒ REDart Silicone	☒ Ecoorock
☒ REDart Dash	☒ Dashshield
☒ REDart Brick Effect	☒ Brick Effect



Notes:

Note:
ALL DIMENSION LINES ARE TO THE CENTRE OF FIXINGS
UNLESS OTHERWISE STATED.
FIXINGS AROUND WINDOWS AT MAX 300MM CTS.

- Storey height is based on 3m
- The site must be below 95m above Ordinance Datum
- Basic wind speed = 25m/s
- Based on fixing loads of 0.7kN recommended load per fixing
- Assumes funnelling effect from neighbouring buildings, see PP - 007 if there is no funnelling
- Calculated in accordance with BS 6399
- Roof canopies or parapets greater than 300mm have not been taken into account. Any canopies or parapets greater than 300mm will require further calculation and may fall outside of the guidance of this drawing
- This fixing pattern is based on fixing to existing structures only
- These calculations are based on the fixings achieving characteristic loadings of 0.7kN. Rockwool can undertake pull out tests as needed to confirm these loadings

These are based on an adhesive and mechanical fix system.

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Client

Job Title

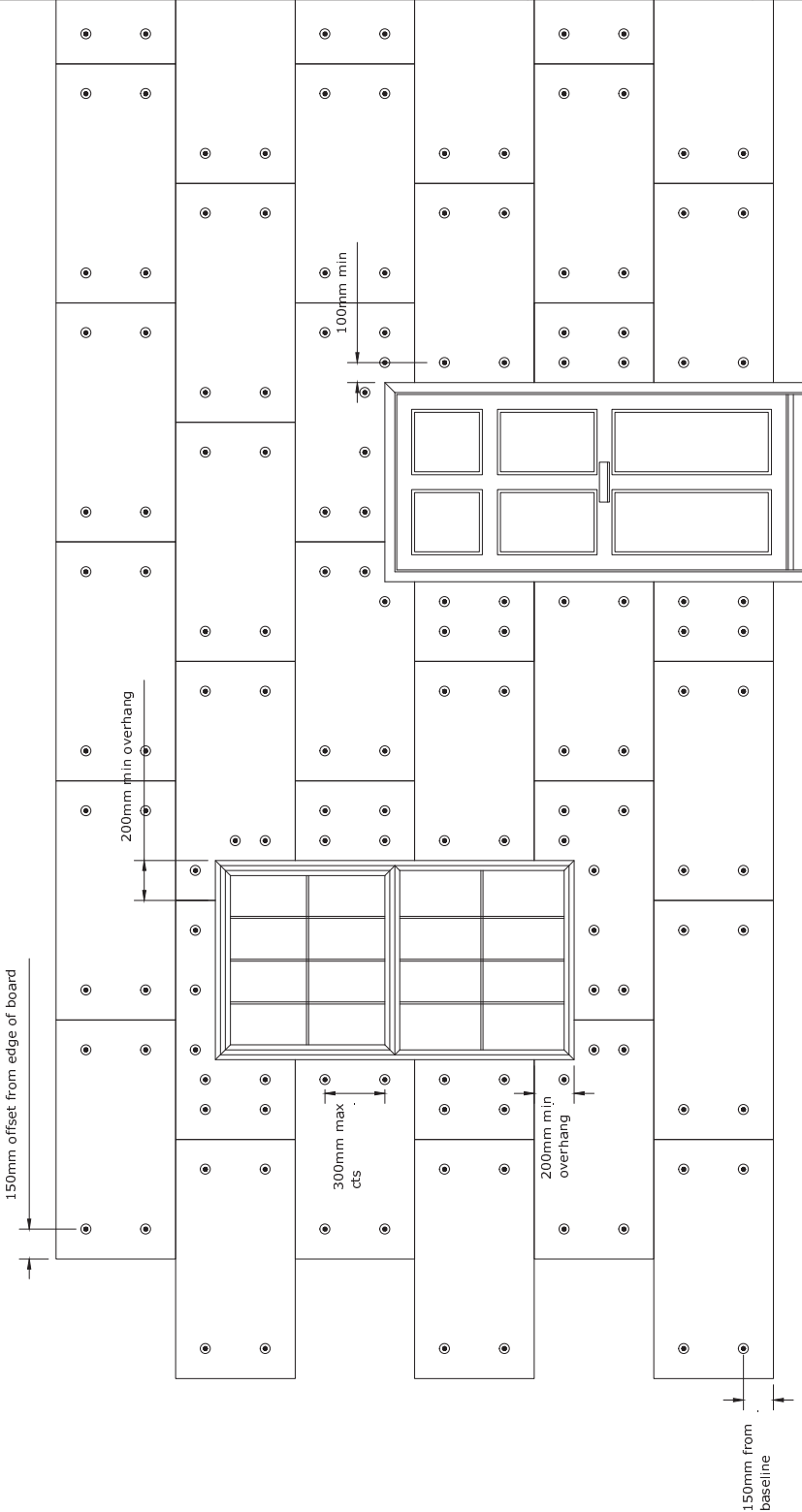
Drawing Title

Fixing Pattern for 8 Storey Buildings -
Option 1

Scale	NTS	Date
Sheet Size	A3	Drawn By
		ROCKWOOL® Tech
Drawing Number	RWSD (00) 015	Rev.
		—

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☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ Ecoorock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect



Notes:

Note:
ALL DIMENSION LINES ARE TO THE CENTRE OF FIXINGS
UNLESS OTHERWISE STATED.
FIXINGS AROUND WINDOWS AT MAX 300MM CTS.

- Storey height is based on 3m
- The site must be below 200m above Ordinance Datum
- Basic wind speed = 25m/s
- Based on fixing loads of 0.7kN recommended load per fixing
- No funneling effect from neighbouring buildings has been taken into account, see FP – 006' if this is to be allowed for
- Calculated in accordance with BS 6399
- Roof canopies or parapets greater than 300mm have not been taken into account. Any canopies or parapets greater than 300mm will require further calculation and may fall outside of the guidance of this drawing
- This fixing pattern is based on fixing to existing structures only
- These calculations are based on the fixings achieving characteristic loadings of 0.7kN. Rockwool can undertake pull out tests as needed to confirm these loadings

These are based on an adhesive and mechanical fix system.

ROCKWOOL®

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Client

Job Title

Drawing Title

Fixing Pattern for 8 Storey Buildings -
Option 2

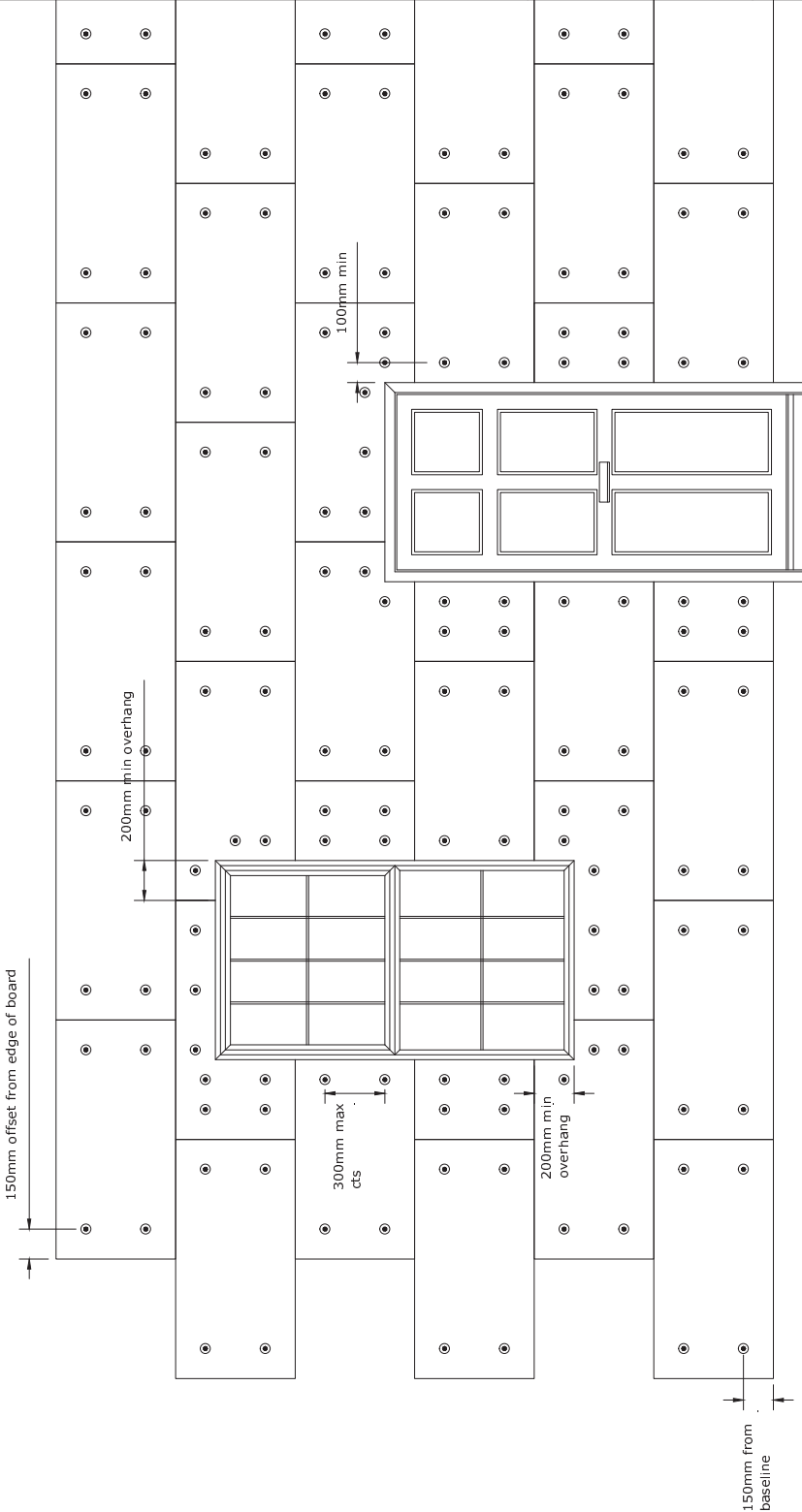
Scale NTS Date

Sheet Size A3 Drawn By ROCKWOOL® Tech

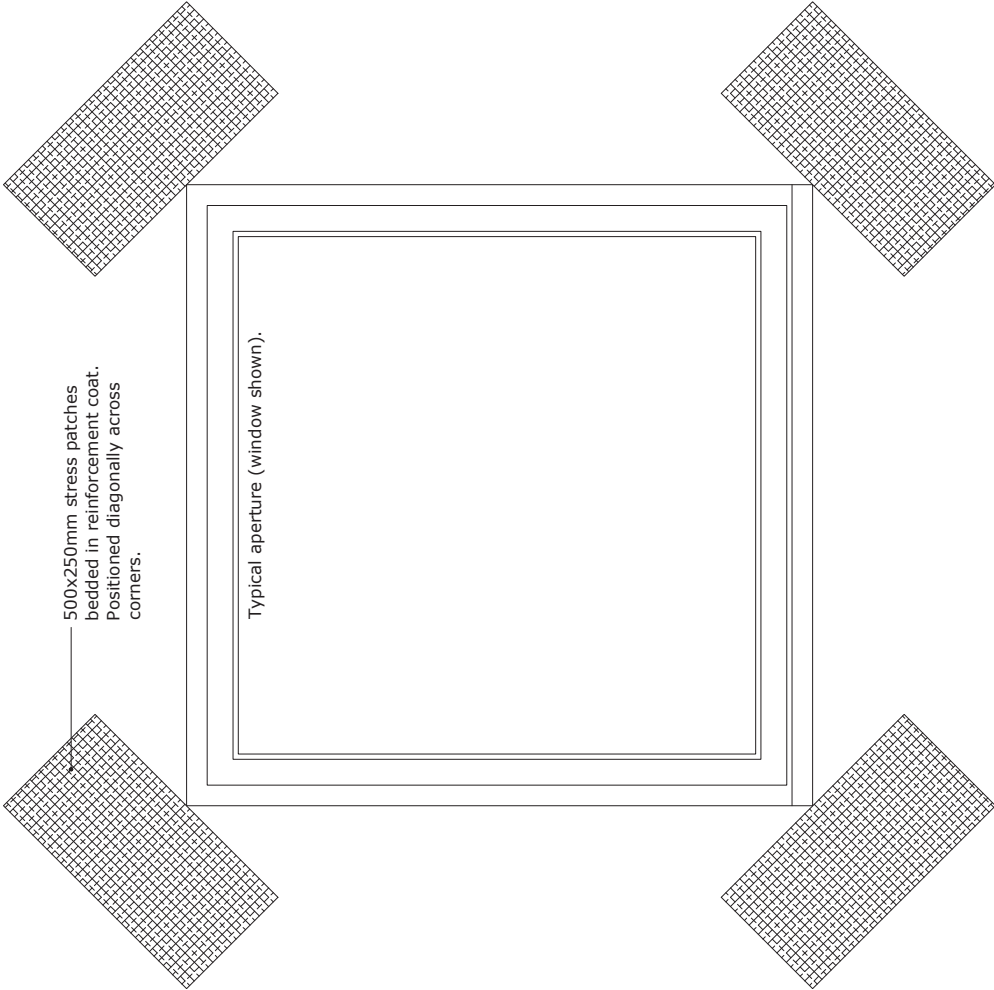
Drawing Number RWSD (00) 016 Rev. _____

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☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ Ecoorock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect



Notes:



ROCKWOOL®

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Stress Patches to Openings Detail

Scale NTS Date

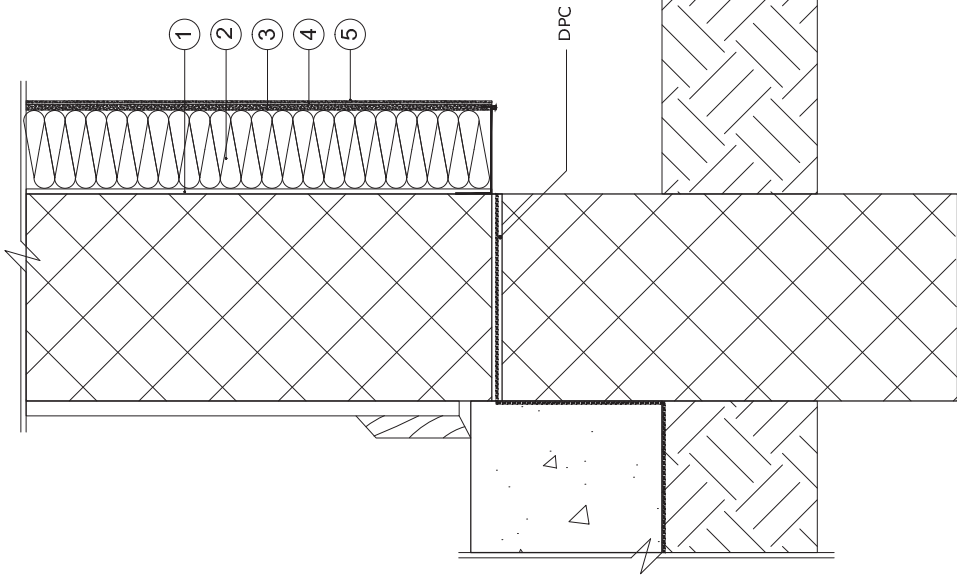
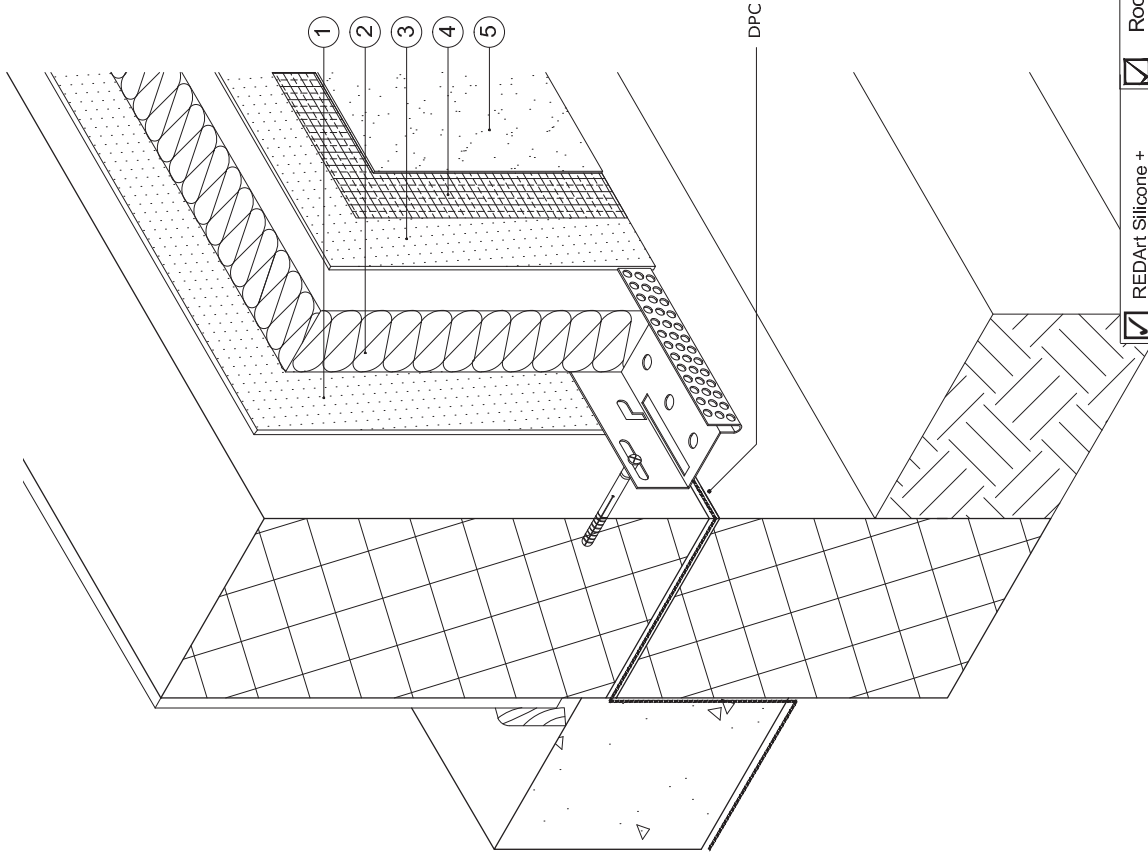
Sheet Size A3 Drawn By ROCKWOOL® Tech

Drawing Number RWSO (00) 020 Rev.

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Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



Notes:

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Base Track Detail - Type 1

Scale NTS Date

Sheet Size A3 Drawn By

ROCKWOOL® Tech

Drawing Number

RWSD (21) 001

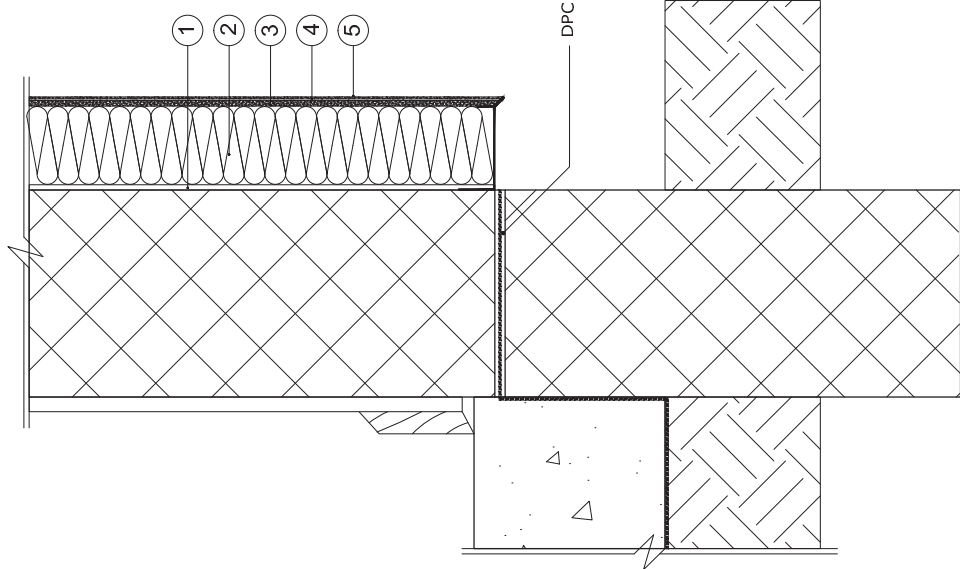
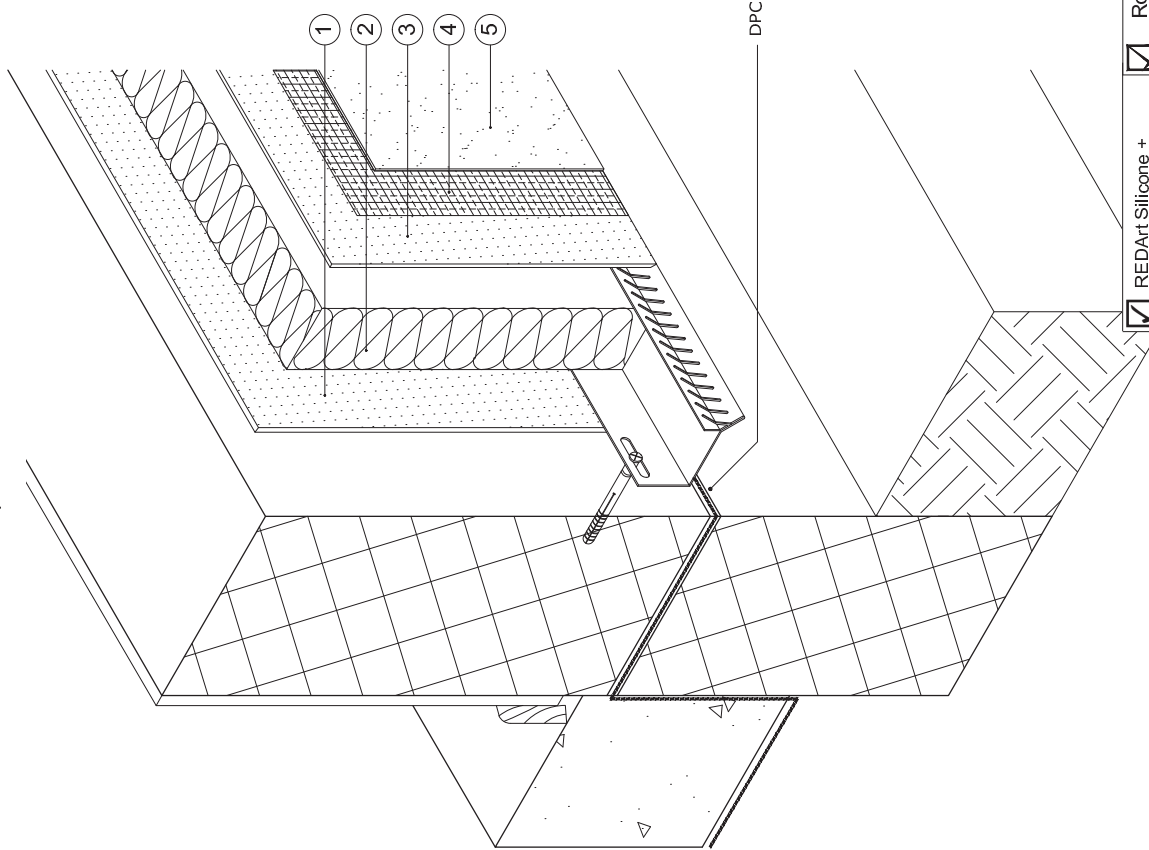
Rev.

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Rockwool will not accept any liability for this detail unless it already falls within the terms of any existing warranty between yourselves and Rockwool for this project.

☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ Ecoorock
☐ REDArt Dash	☐ Dashshield
☐ REDArt Brick Effect	☐ Brick Effect

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



Notes:

Note:
Drip section is available in 6mm, 10mm & 15mm.

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Base Track Detail - Type 2

Scale NTS Date

Sheet Size A3 Drawn By

ROCKWOOL® Tech

Drawing Number

RWSD (21) 002

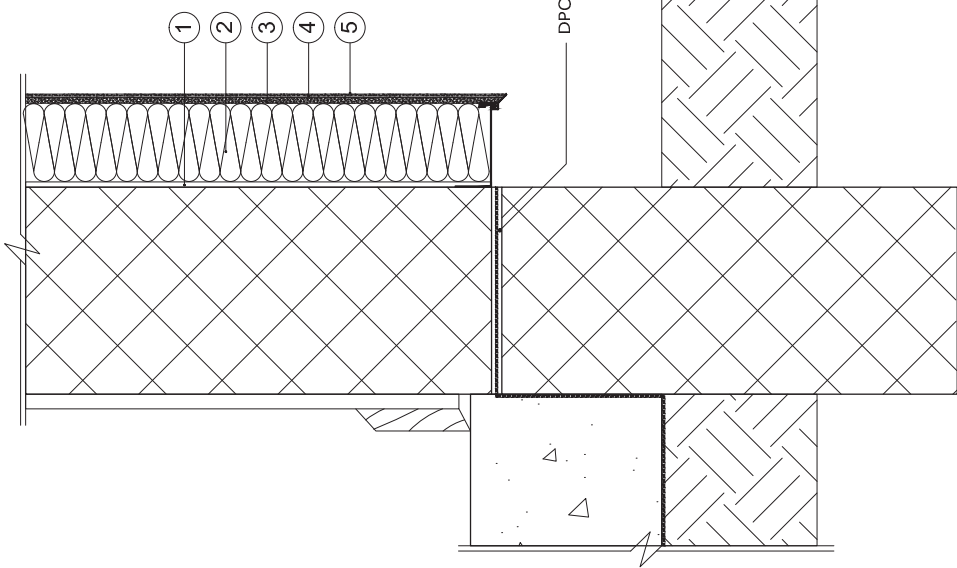
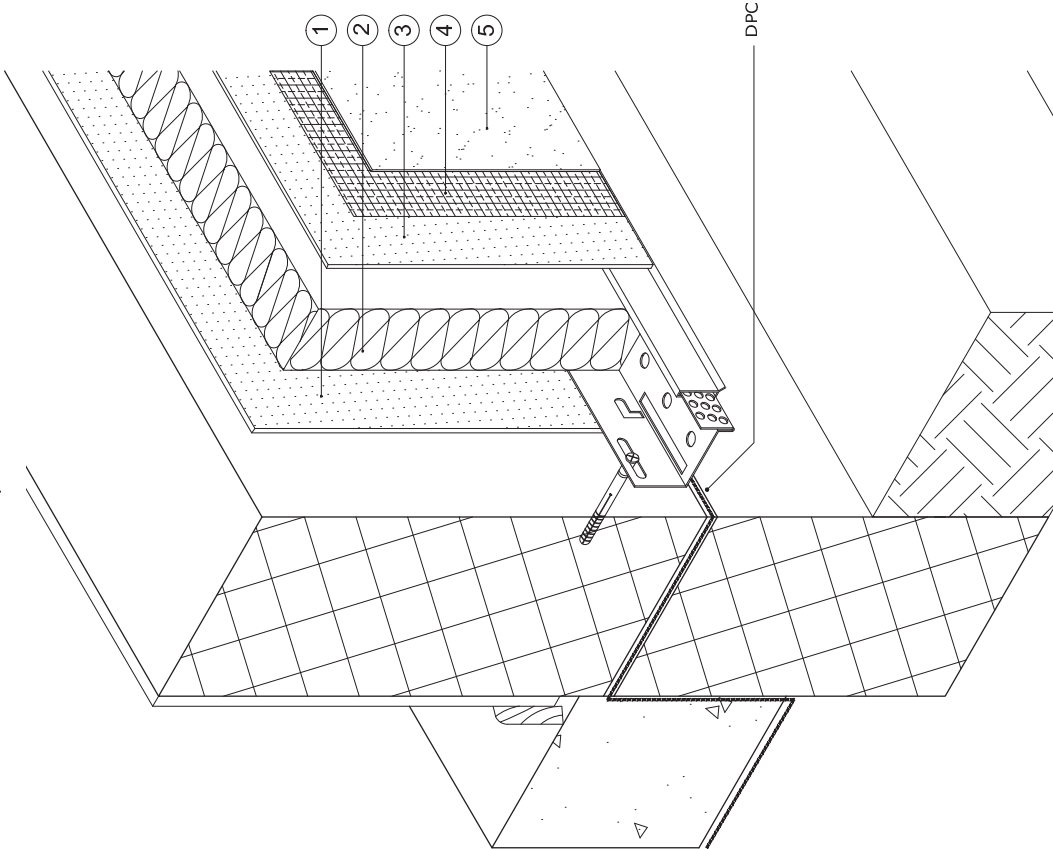
Rev.

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Rockwool will not accept any liability for this detail unless it already falls within the terms of any existing warranty between yourselves and Rockwool for this project.

☒	REDart Silicone +	☒	Rockshield
☒	REDart Silicone	☒	Ecorock
☒	REDart Dash	☒	Dashshield
☒	REDart Brick Effect	☒	Brick Effect

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



☒	REDart Silicone +	☒	Rockshield
☒	REDart Silicone	☒	Ecorock
☒	REDart Dash	☒	Dashshield
☒	REDart Brick Effect	☒	Brick Effect

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This design has been produced to show the installation of the Rockwool system and should be used as reference only.
Rockwool will not accept any liability for this detail unless it already falls within the terms of any existing warranty between yourselves and Rockwool for this project.

Notes:

Note:
Clip can be supplied in 6mm, 10mm or 15mm sizes.

ROCKWOOL®

www.rockwool.co.uk

Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Base Track Detail - Extended

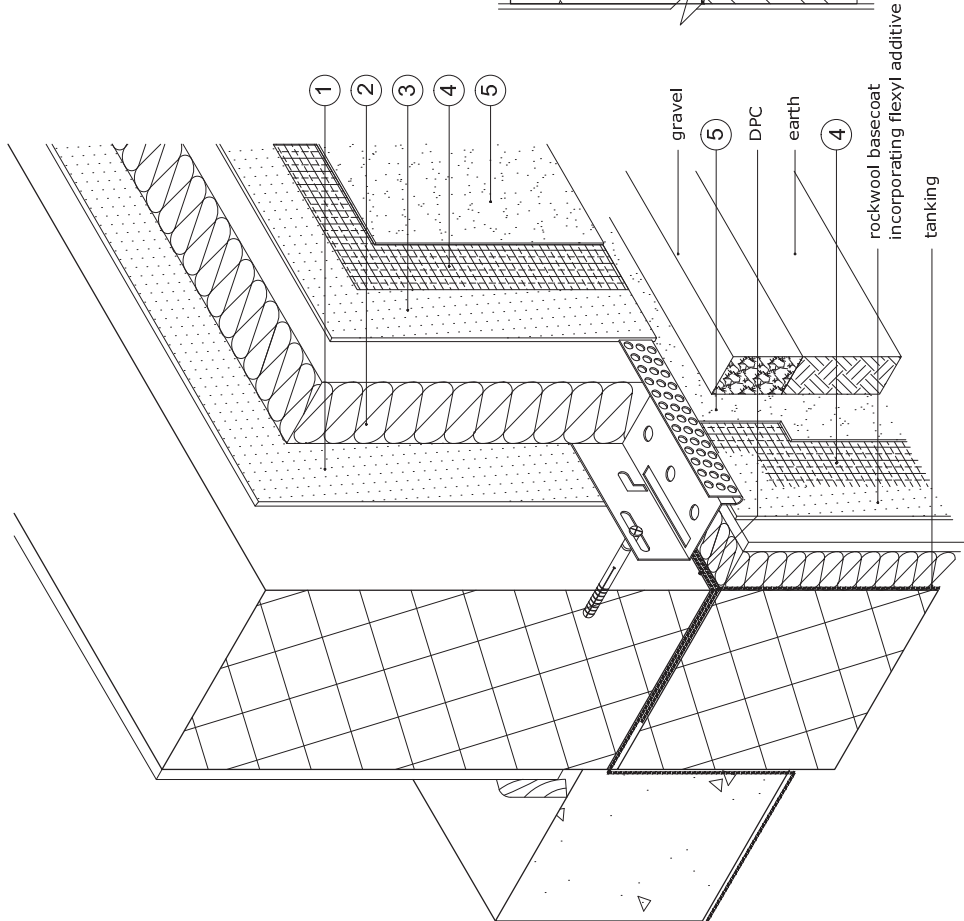
Scale NTS Date

Sheet Size A3 Drawn By ROCKWOOL® Tech

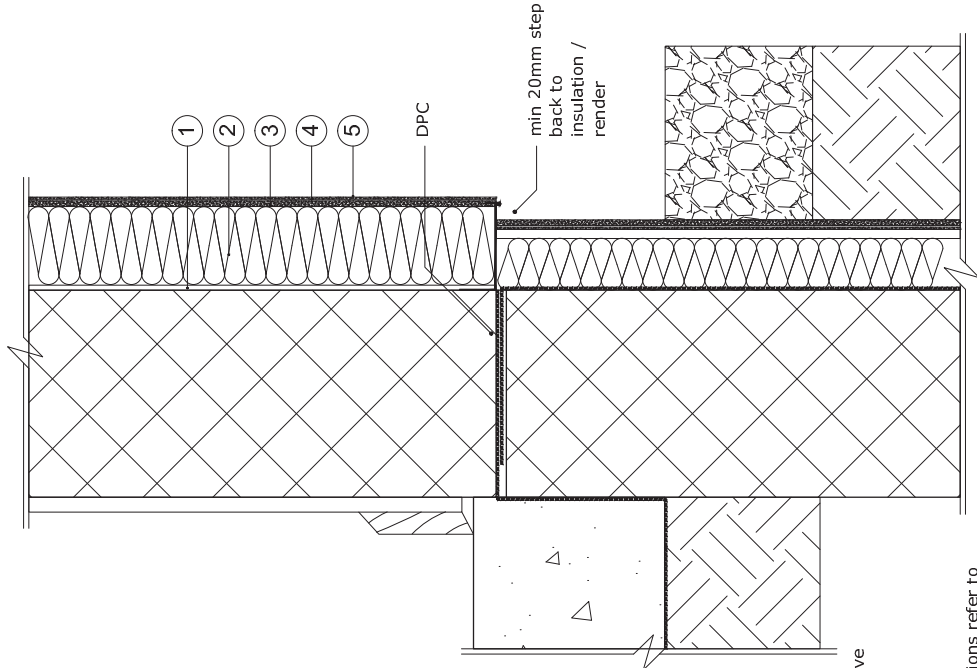
Drawing Number RWSO (21) 003 Rev. —

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



Note: for base profile options refer to
drg no. RWSD (21) 001 to 003.



☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ Ecoorock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect

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This design has been produced to show the installation of the Rockwool system and should be used as reference
only. It does not constitute a contract. Rockwool will not accept any liability for this detail unless it already falls within the terms of any existing warranty
between yourselves and Rockwool for this project.

Notes:

ROCKWOOL®

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Base Track Detail - Below DPC

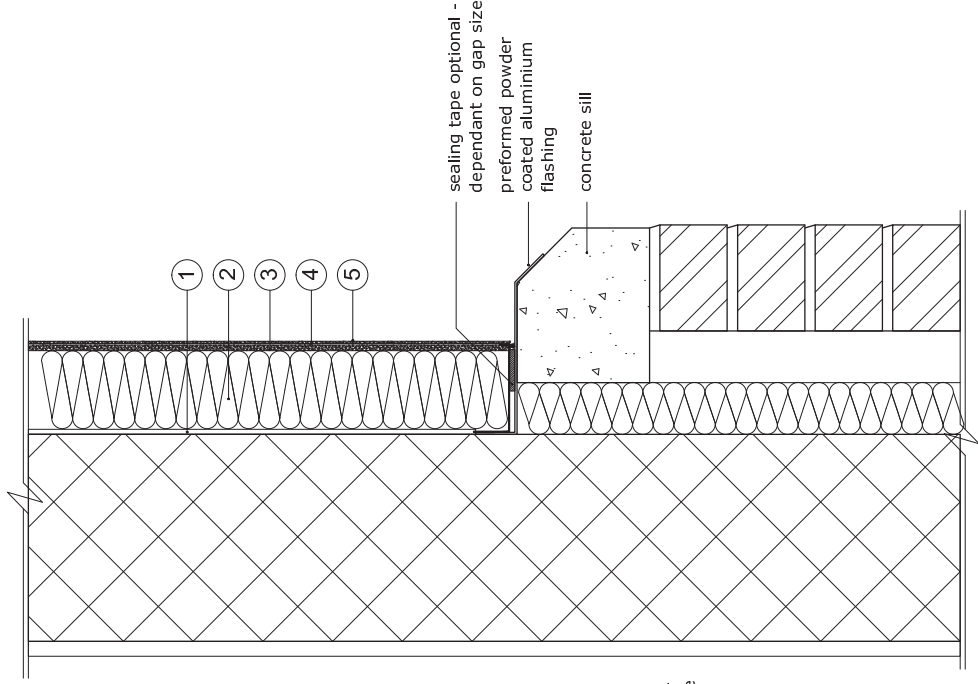
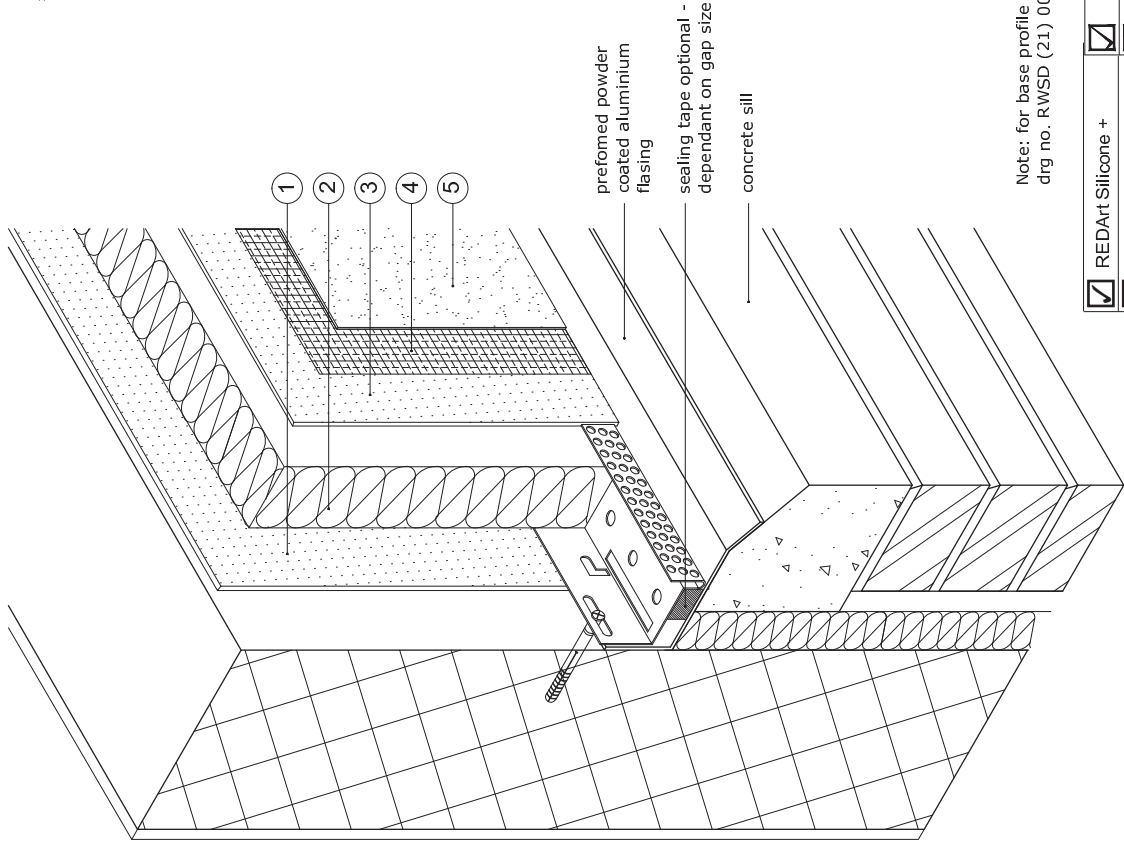
Scale NTS Date

Sheet Size A3 Drawn By ROCKWOOL® Tech

Drawing Number RWSD (21) 004 Rev. —

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



Note: for base profile options refer to
drg no. RWSD (21) 001 to 003

☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ Ecoorock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect

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Notes:

ROCKWOOL®

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Base Track Detail Above Cut
Brickwork

Scale

NTS

Date

Sheet Size

A3

Drawn By

ROCKWOOL® Tech

Drawing Number

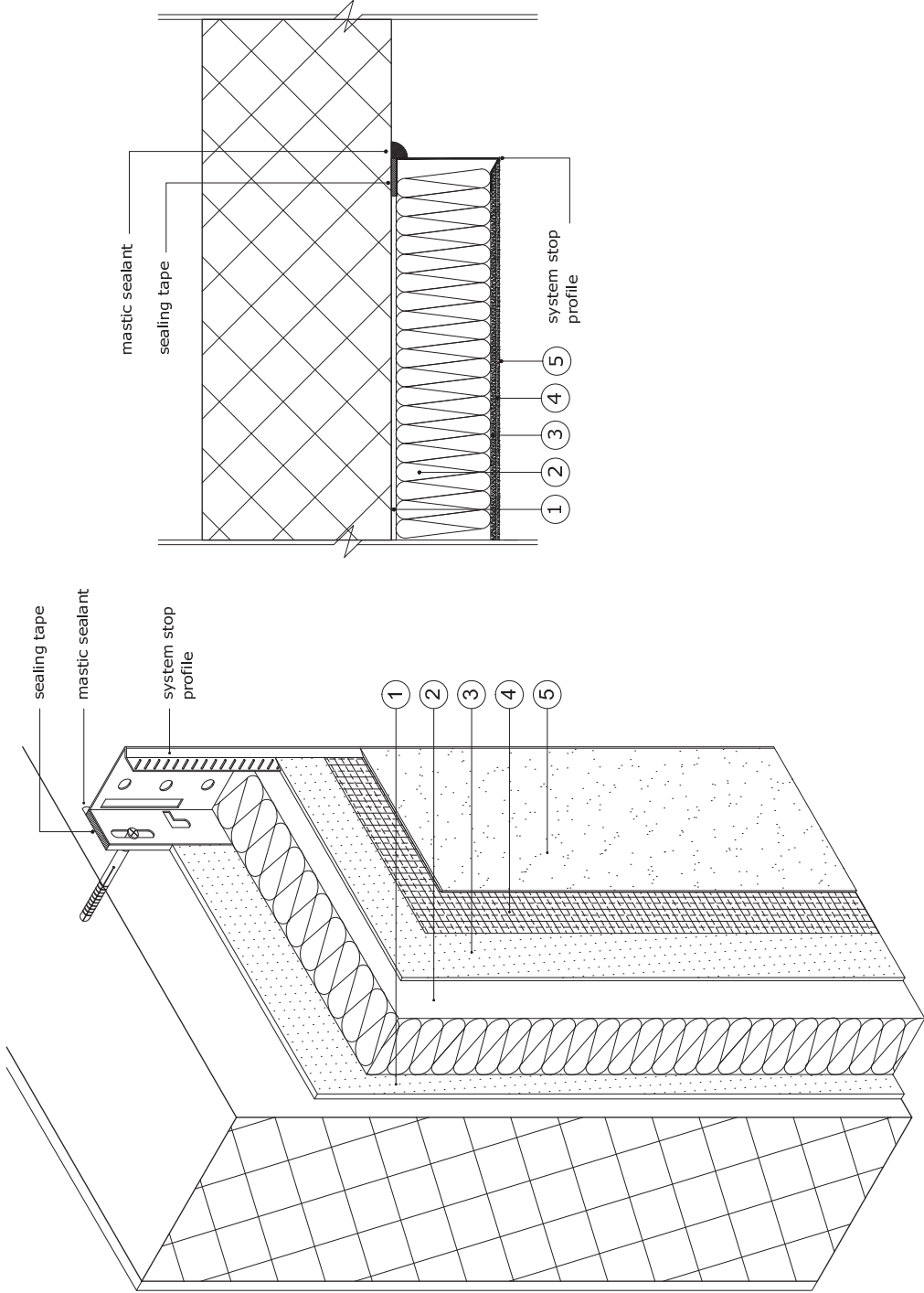
RWSD (21) 005

Rev.

—

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



Notes:

Note:
Profile can be supplied to accommodate 6mm & 12mm render finishes.

ROCKWOOL®

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Stop End Detail - Vertical Full Depth
Profile - Type 1

Scale NTS Date

Sheet Size A3 Drawn By ROCKWOOL® Tech

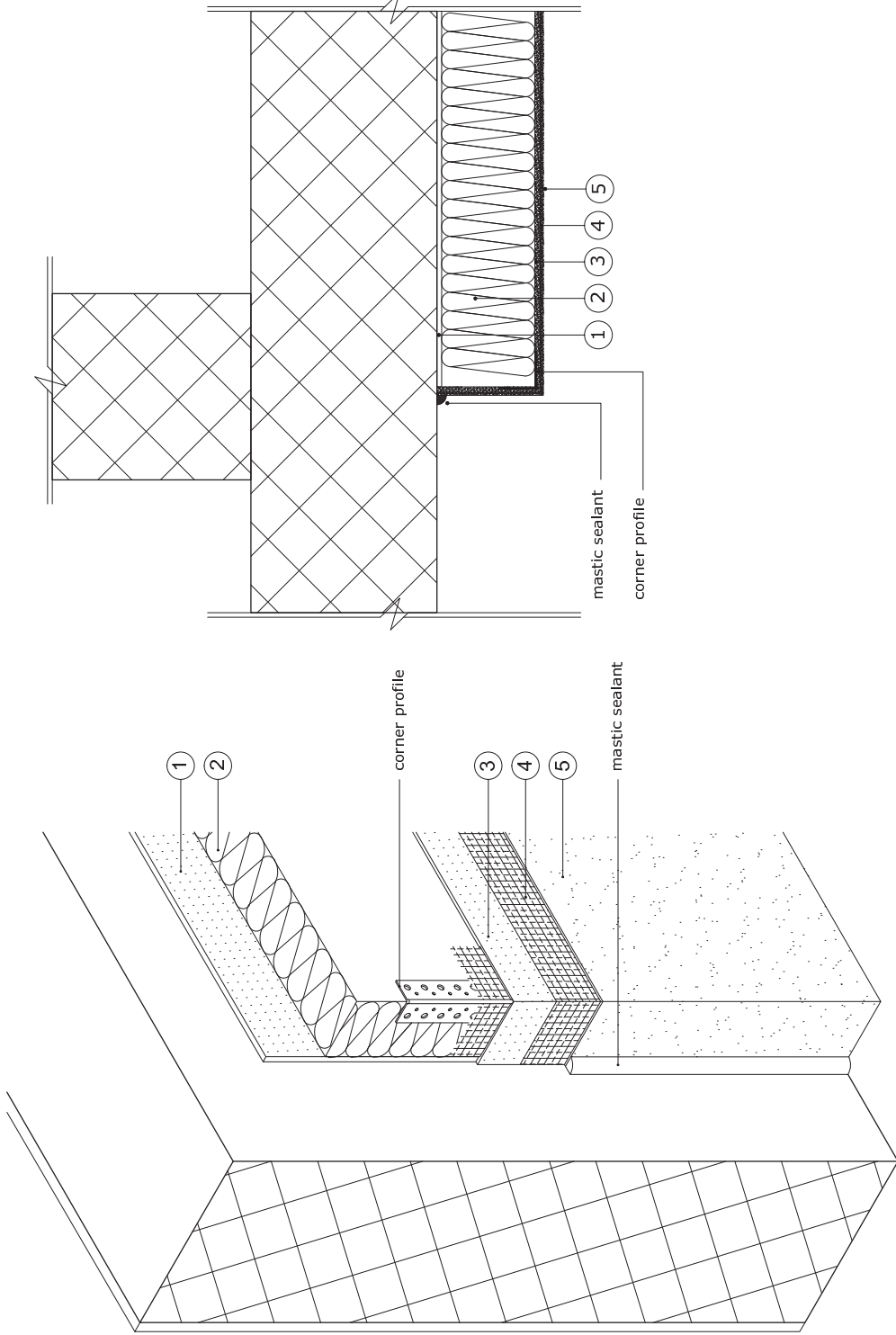
Drawing Number RWSd (21) 010 Rev. —

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☒ REDart Silicone +	☒ Rockshield
☒ REDart Silicone	☒ Ecoorock
☒ REDart Dash	☒ Dashshield
☒ REDart Brick Effect	☒ Brick Effect

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



ROCKWOOL®

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Stop End Detail - Vertical Corner Bead
Embedded

Scale NTS

Date

Sheet Size A3

Drawn By ROCKWOOL® Tech

Drawing Number
RWSO (21) 011

Rev.

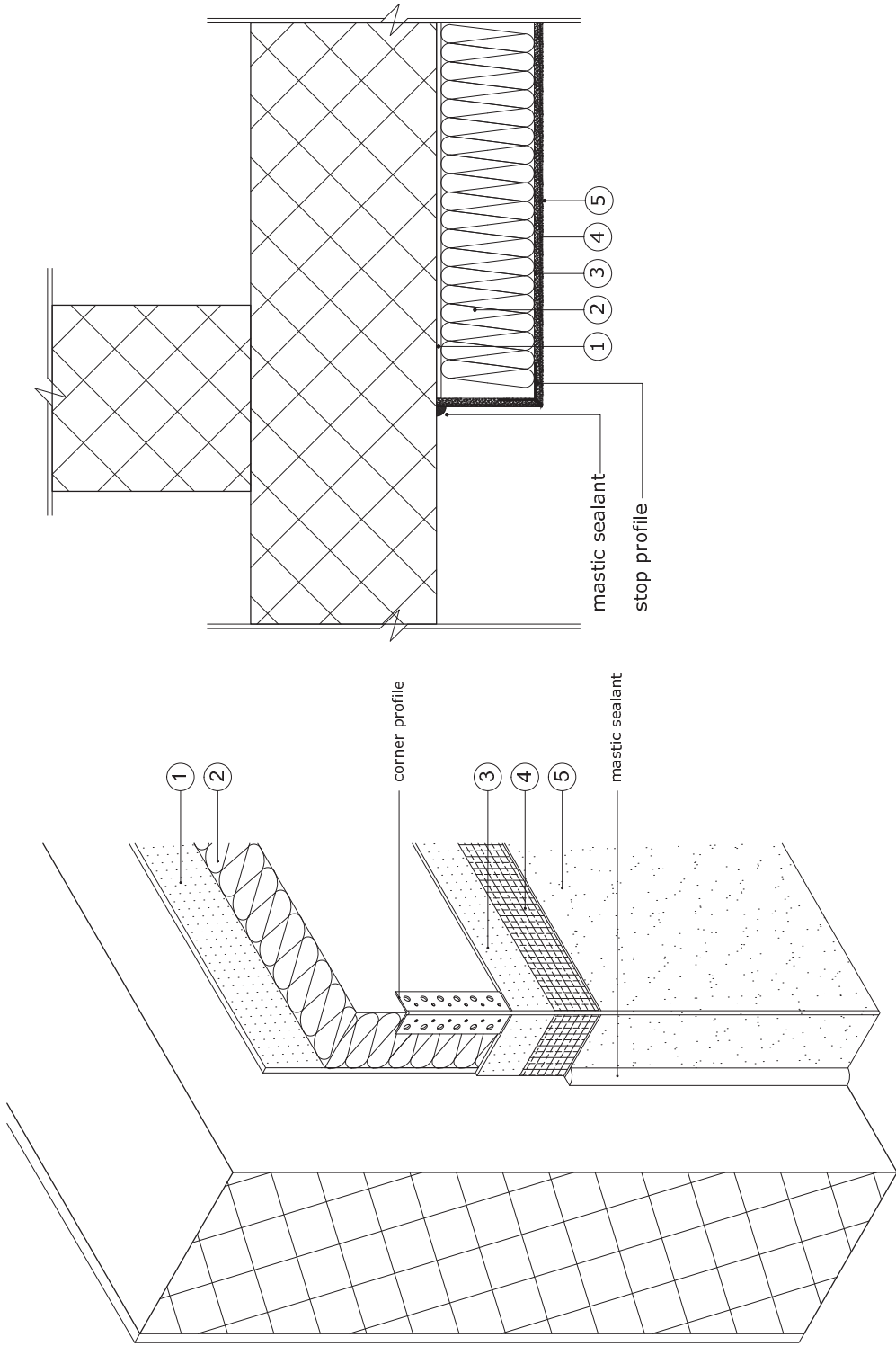
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☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ Ecoorock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



Notes:

ROCKWOOL®

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Stop End Detail - Vertical Corner Bead
Exposed

Scale NTS Date

Sheet Size A3 Drawn By ROCKWOOL® Tech

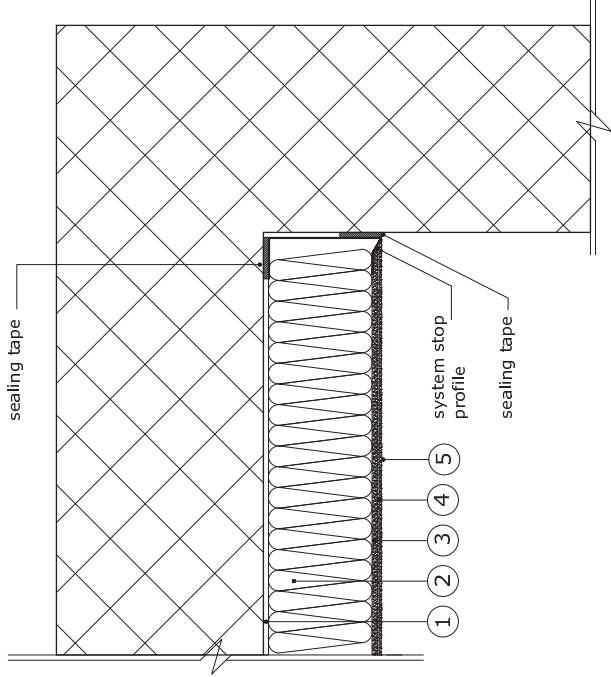
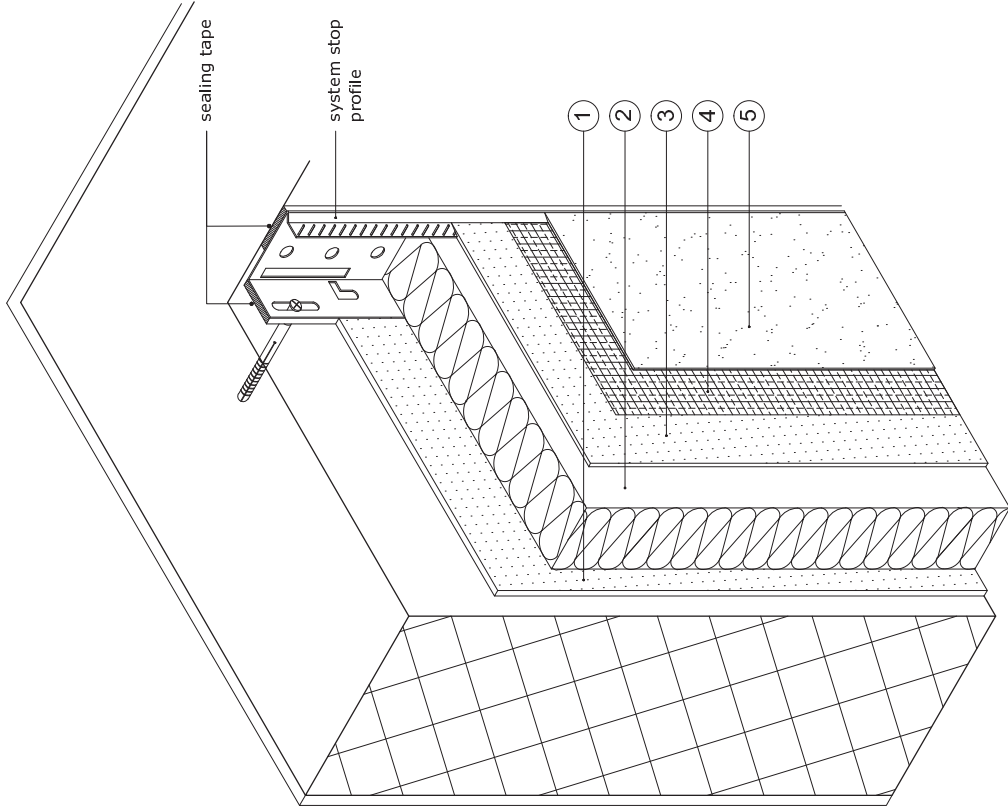
Drawing Number RWSO (21) 012 Rev. —

This design detail has been produced by Rockwool based on information supplied and/or by site visit.
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☐ REDArt Silicone +	☐ Rockshield
☐ REDArt Silicone	☐ Ecoorock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



Notes:

Note:
Profile can be supplied to accommodate 6mm & 12mm render finishes.

ROCKWOOL®

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Stop End Detail - Internal Corner
Type 1

Scale

NTS

Date

Sheet Size

A3

Drawn By

ROCKWOOL® Tech

Drawing Number

RWSD (21) 013

Rev.

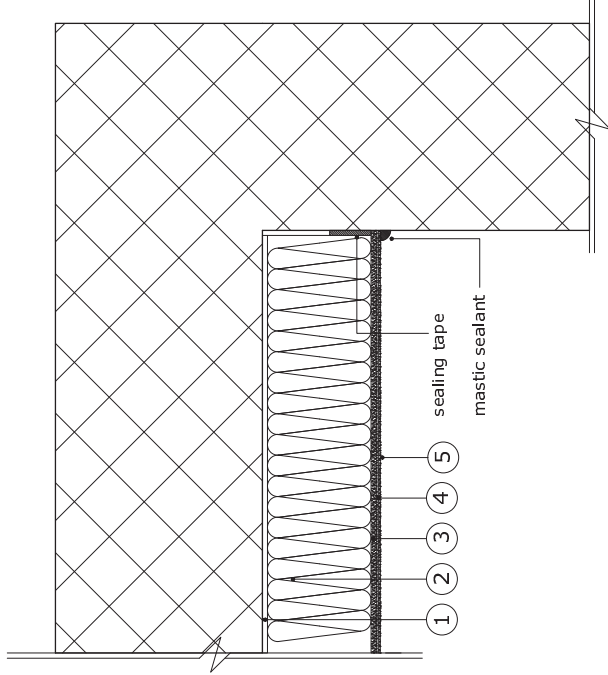
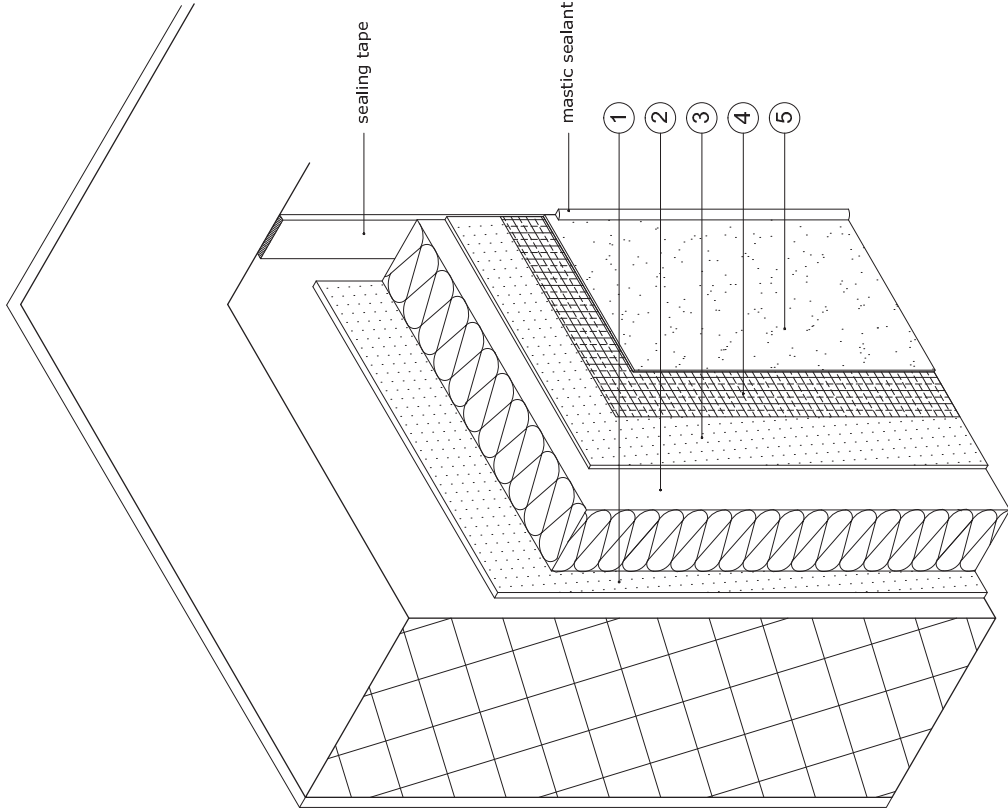
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☒ REDart Silicone +	☒ Rockshield
☒ REDart Silicone	☒ Ecorock
☒ REDart Dash	☒ Dashshield
☒ REDart Brick Effect	☒ Brick Effect

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



Notes:

Note:
Profile can be supplied to accommodate 6mm & 12mm render finishes.

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Stop End Detail - Internal Corner
Type 2

Scale

NTS

Date

Sheet Size

A3

Drawn By

ROCKWOOL® Tech

Drawing Number

RWSD (21) 014

Rev.

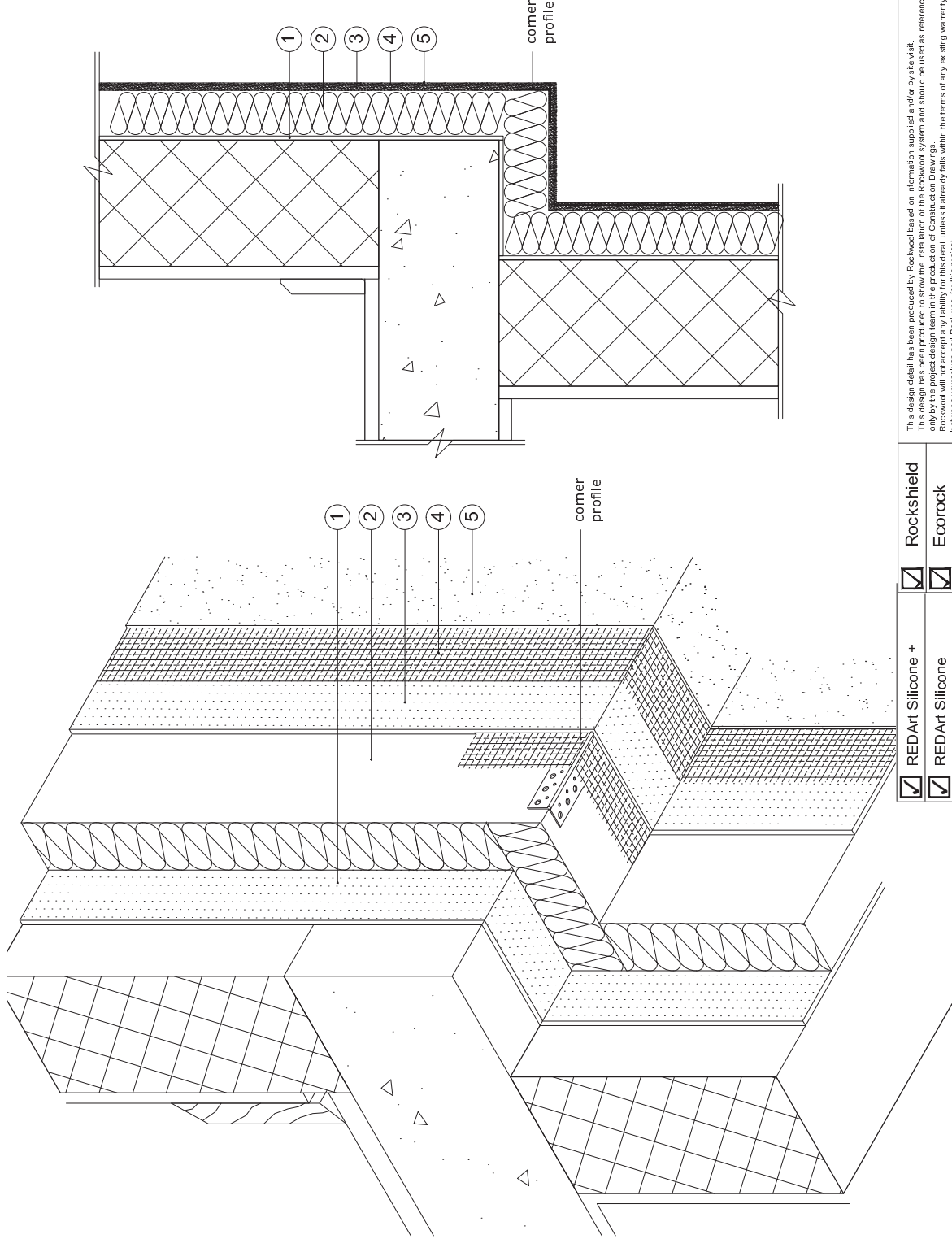
—

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☒ REDart Silicone +	☒ Rockshield
☒ REDart Silicone	☒ Ecorock
☒ REDart Dash	☒ Dashshield
☒ REDart Brick Effect	☒ Brick Effect

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



☒ REDART Silicone +	☒ Rockshield
☒ REDART Silicone	☒ Ecoorock
☒ REDART Dash	☒ Dashshield
☒ REDART Brick Effect	☒ Brick Effect

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Notes:

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Stop End Overhang Detail - Corner
Bead Embedded

Scale NTS

Date

Sheet Size A3

Drawn By ROCKWOOL® Tech

Drawing Number

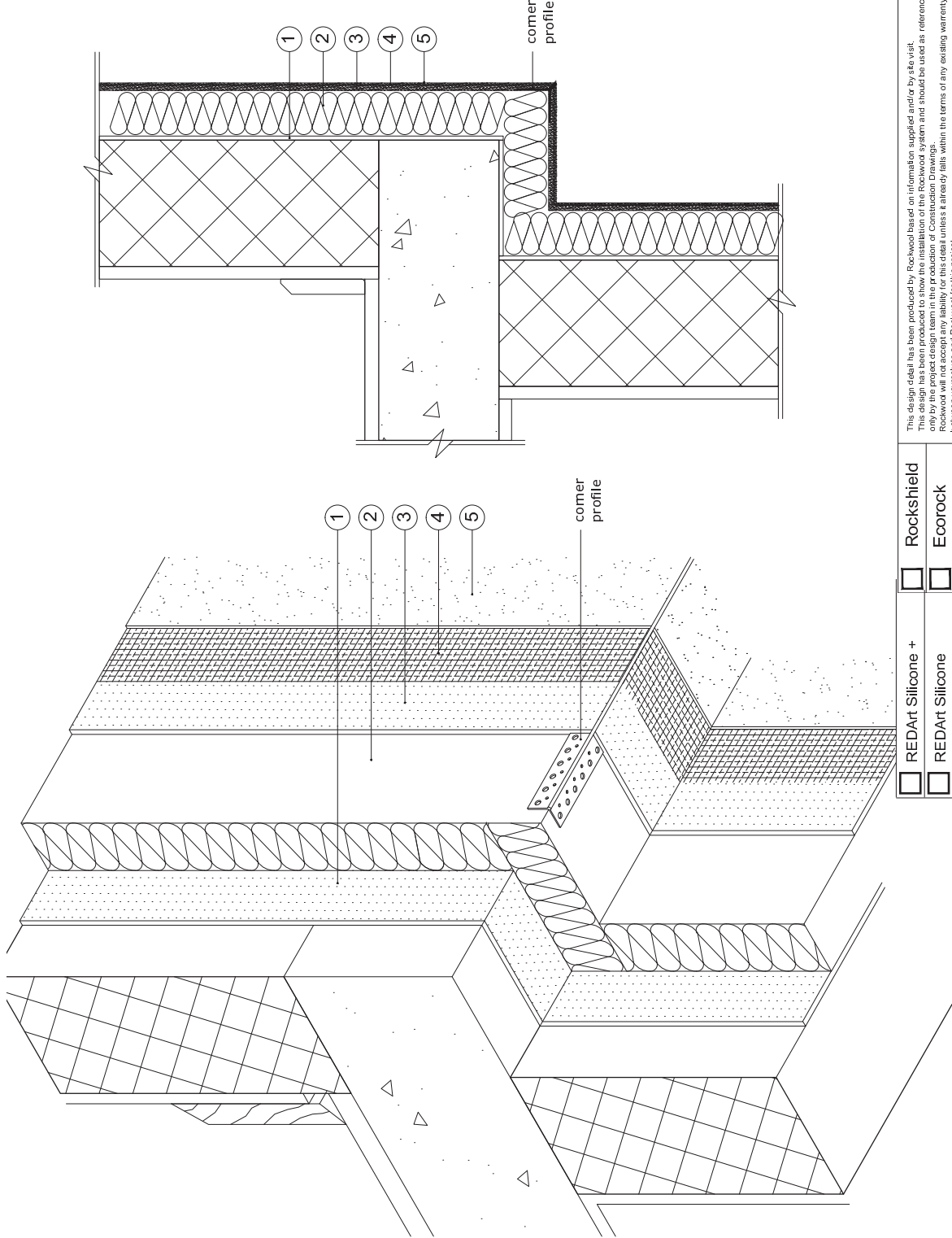
RWSD (21) 015

Rev.

—

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



☐ REDArt Silicone +	☐ Rockshield
☐ REDArt Silicone	☐ EcoRock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect

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Notes:

Note:
Exposed corner profile can be supplied with a plastic nosing if required.

ROCKWOOL®

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Stop End Overhang Detail - Corner
Bead Exposed

Scale NTS

Date

Sheet Size A3

Drawn By ROCKWOOL® Tech

Drawing Number

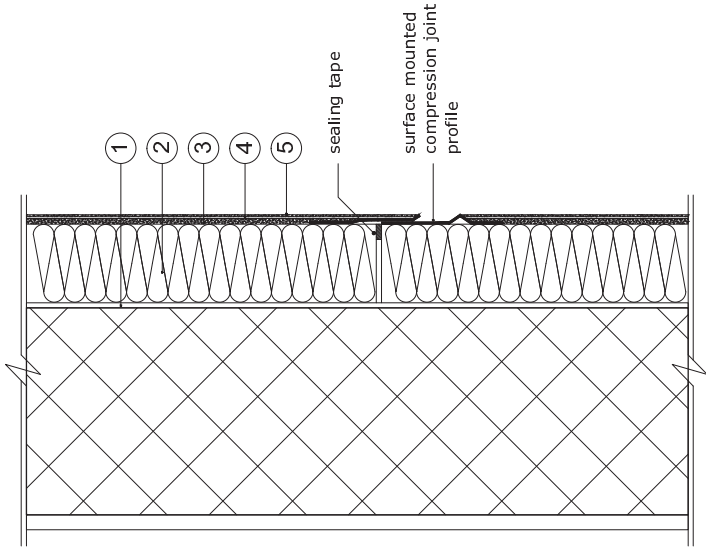
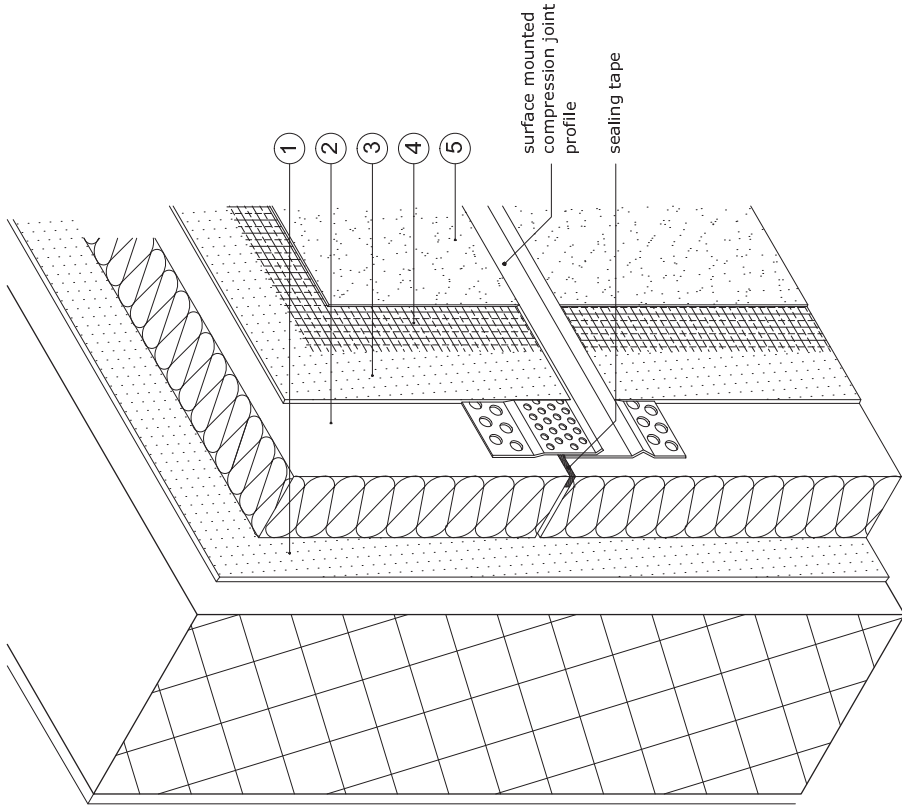
RWSD (21) 016

Rev.

—

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



Notes:

Note:
Internal and external corners can be ordered.
Lower section can be powder coated.

ROCKWOOL®

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Movement Joint - Horizontal - Surface
Mounted Compression Joint Profile

Scale

NTS

Date

Sheet Size

A3

Drawn By

ROCKWOOL® Tech

Drawing Number

RWSD (21) 020

Rev.

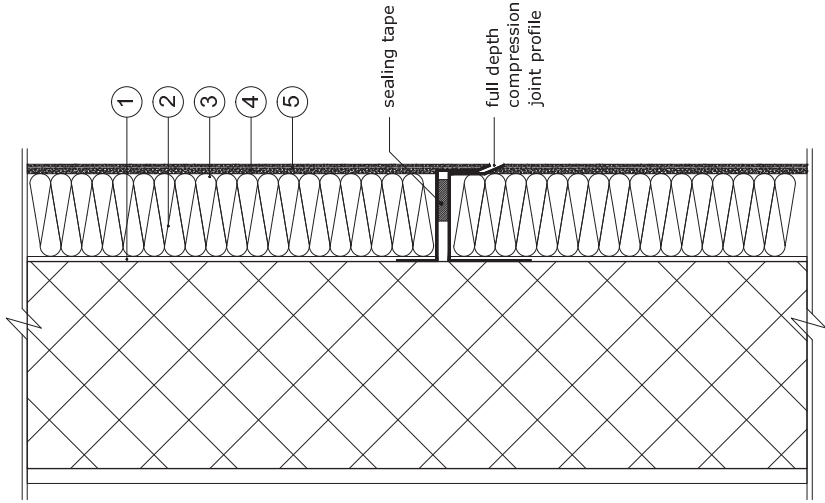
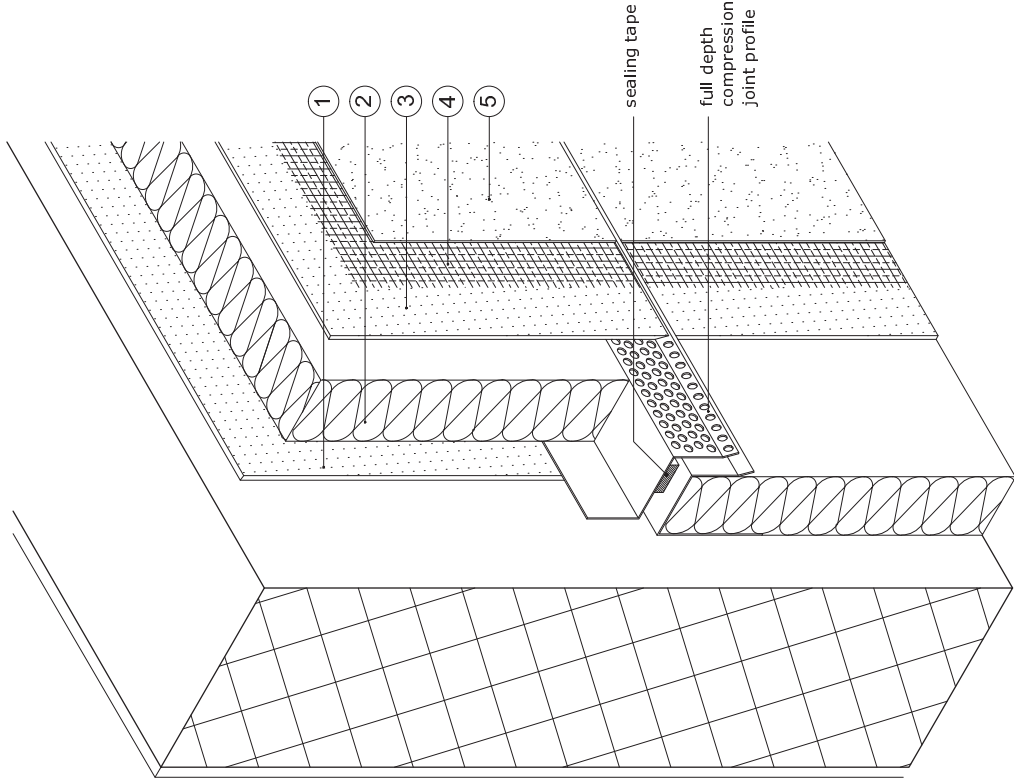
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☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ Ecoorock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ EcoRock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect

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Notes:

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Movement Joint - Horizontal - Full
Depth Compression Joint Profile

Scale

NTS

Date

Sheet Size

A3

Drawn By

ROCKWOOL® Tech

Drawing Number

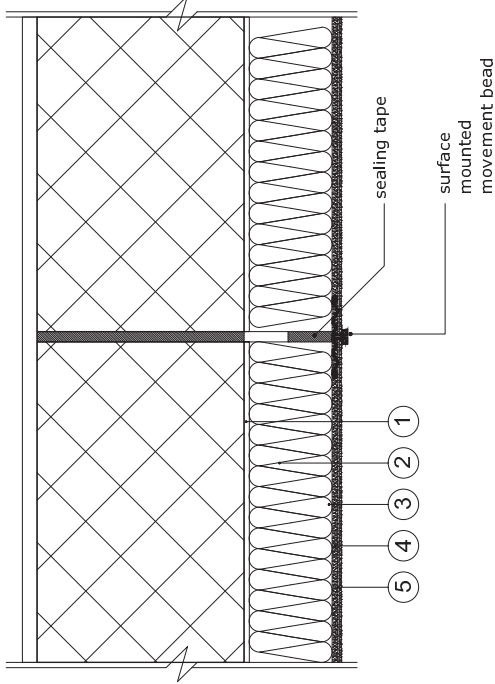
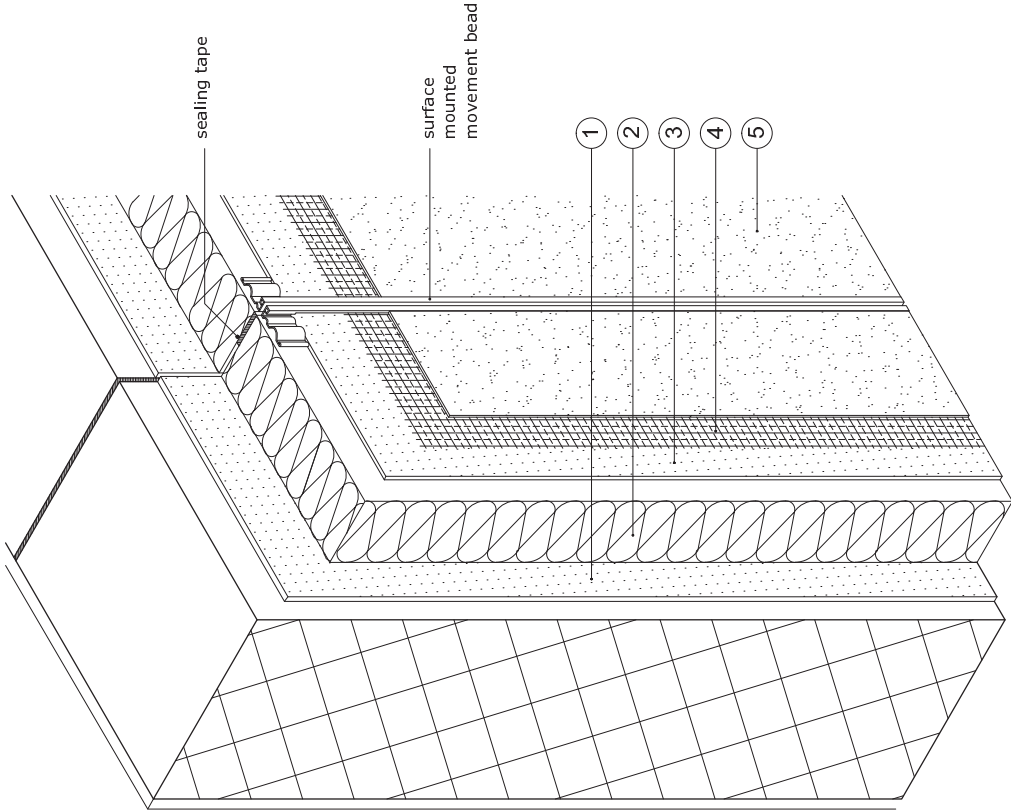
RWSD (21) 021

Rev.

—

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



Notes:

Note:
Can accommodate upto 5mm movement.

ROCKWOOL®

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Movement Joint - Vertical - Surface
Mounted Movement Bead

Scale NTS Date

Sheet Size A3 Drawn By ROCKWOOL® Tech

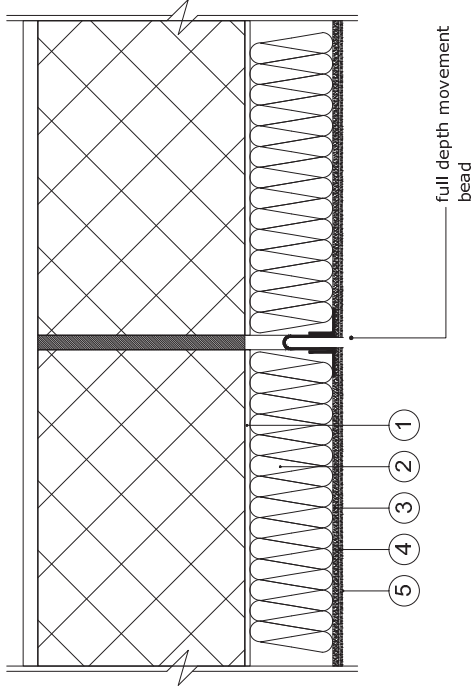
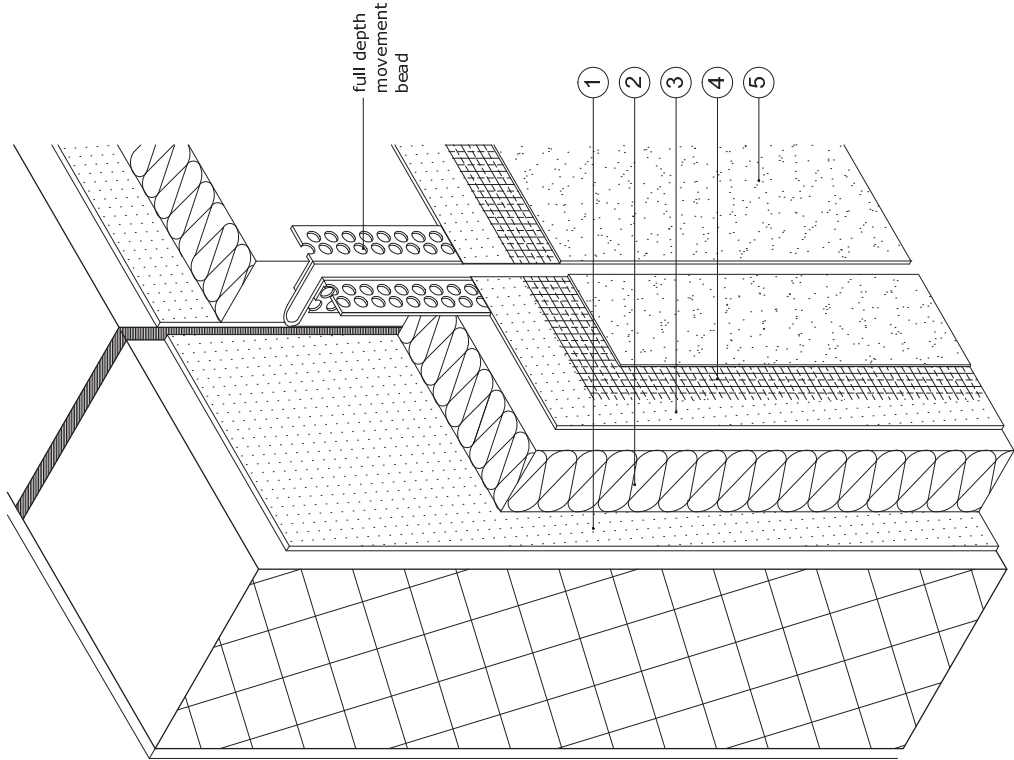
Drawing Number RWSO (21) 022 Rev. —

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☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ EcoRock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



Notes:

Note:
Can accommodate upto 20mm movement.

ROCKWOOL®

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Movement Joint - Vertical - Full Depth
Movement Bead

Scale NTS Date

Sheet Size A3 Drawn By ROCKWOOL® Tech

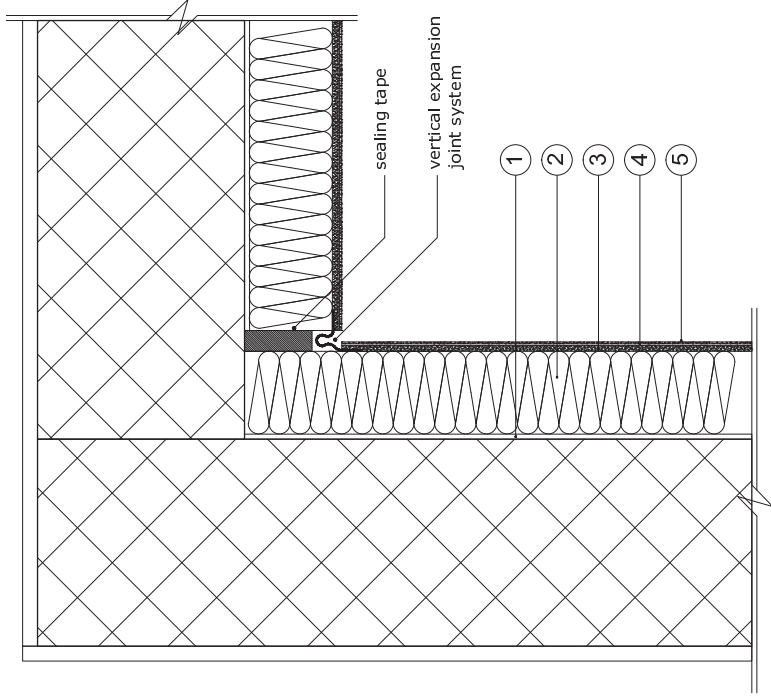
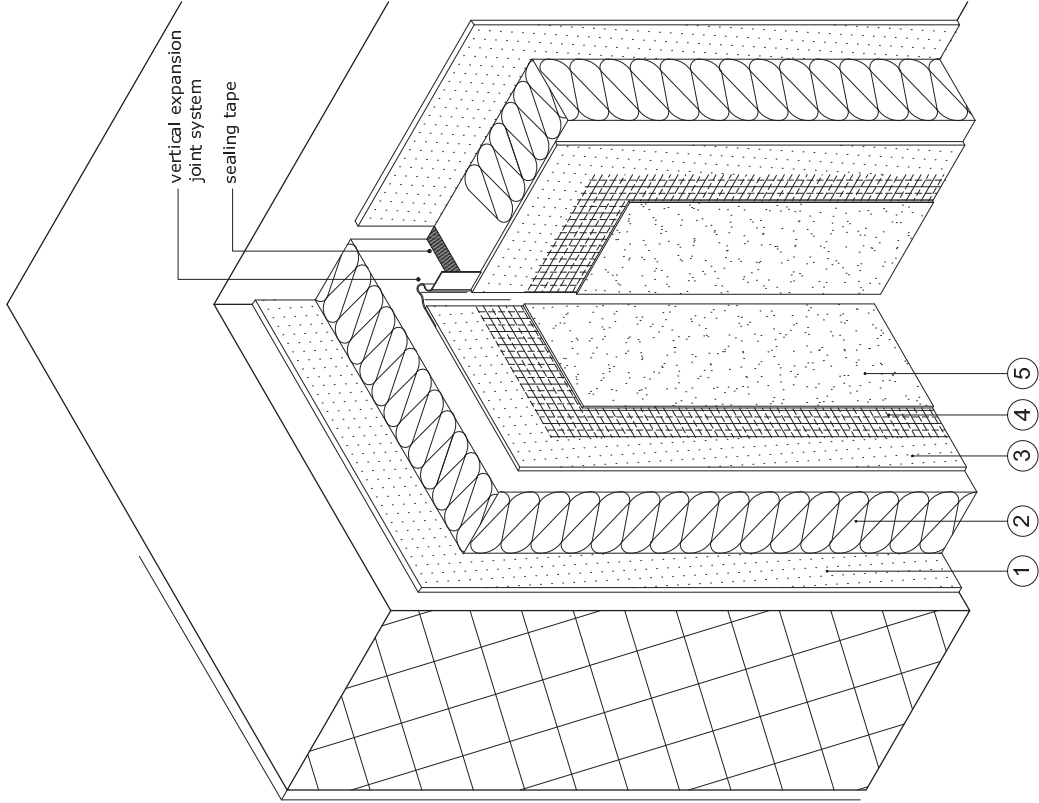
Drawing Number RWSd (21) 023 Rev. —

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☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ Ecoorock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



Notes:

ROCKWOOL®

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Movement Joint - Vertical - Internal
Corner Detail

Scale NTS

Date

Sheet Size A3

Drawn By ROCKWOOL® Tech

Drawing Number

RWSD (21) 024

Rev.

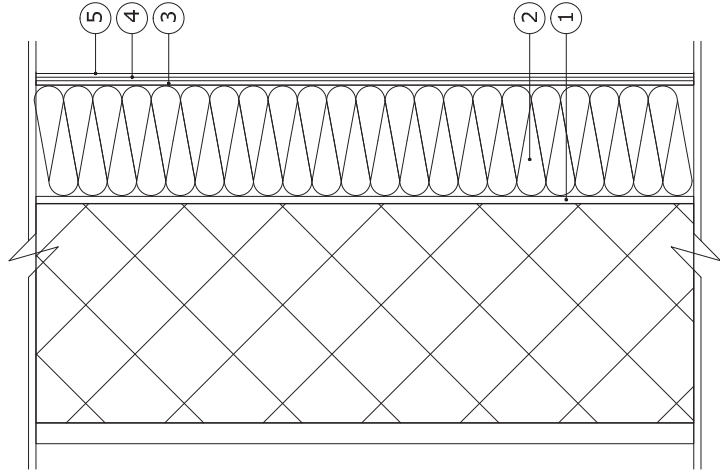
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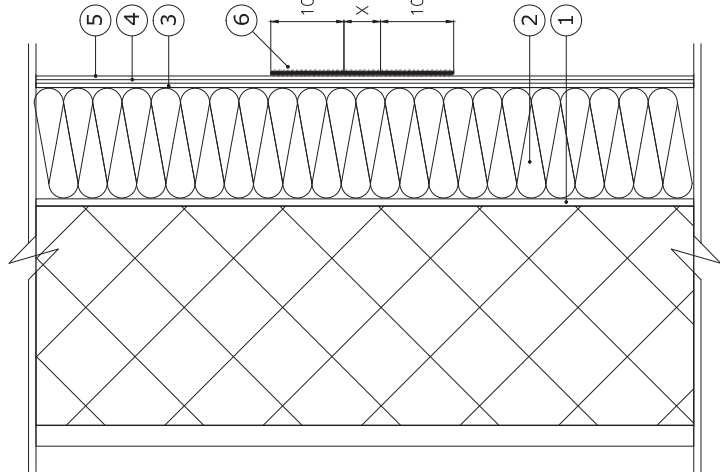
☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ EcoRock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect

Key:

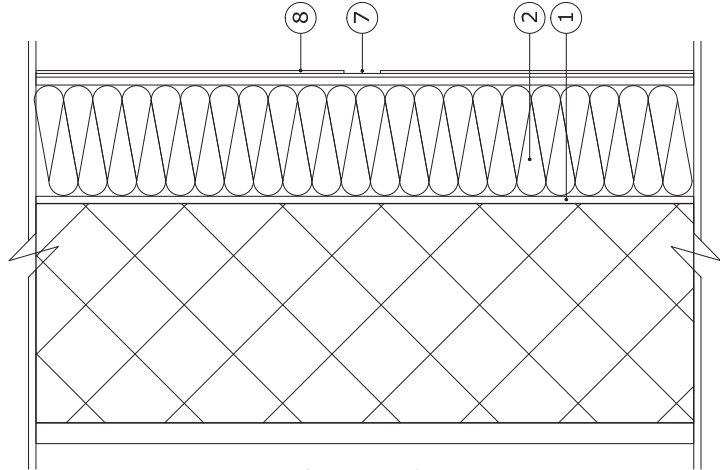
- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. Primer
- 6. Coloursil Paint
- 7. Masking tape - to be removed whilst finish coat is still wet
- 5. ROCKWOOL® Decorative Finish as specified



STAGE 1



STAGE 2



STAGE 3

☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ EcoRock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect

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Notes:

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Definition Joint Detail

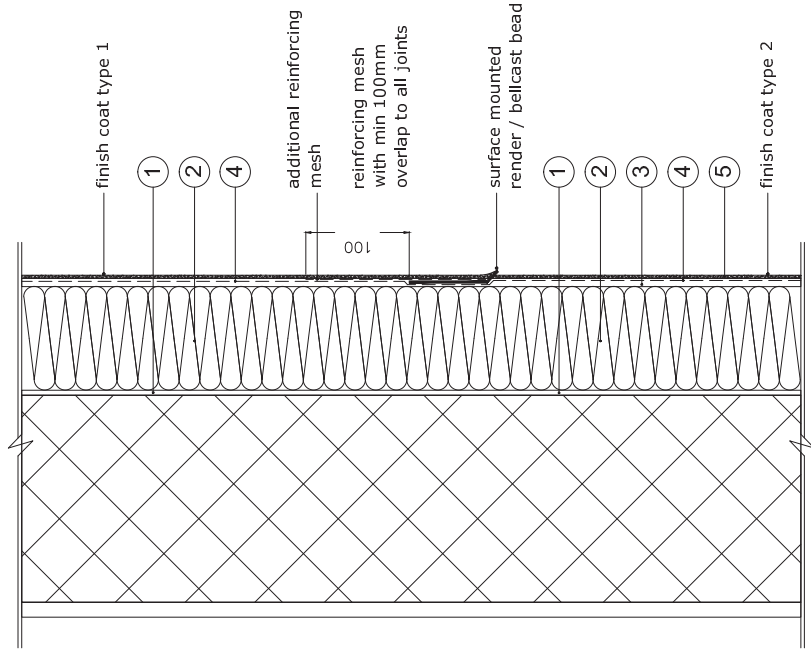
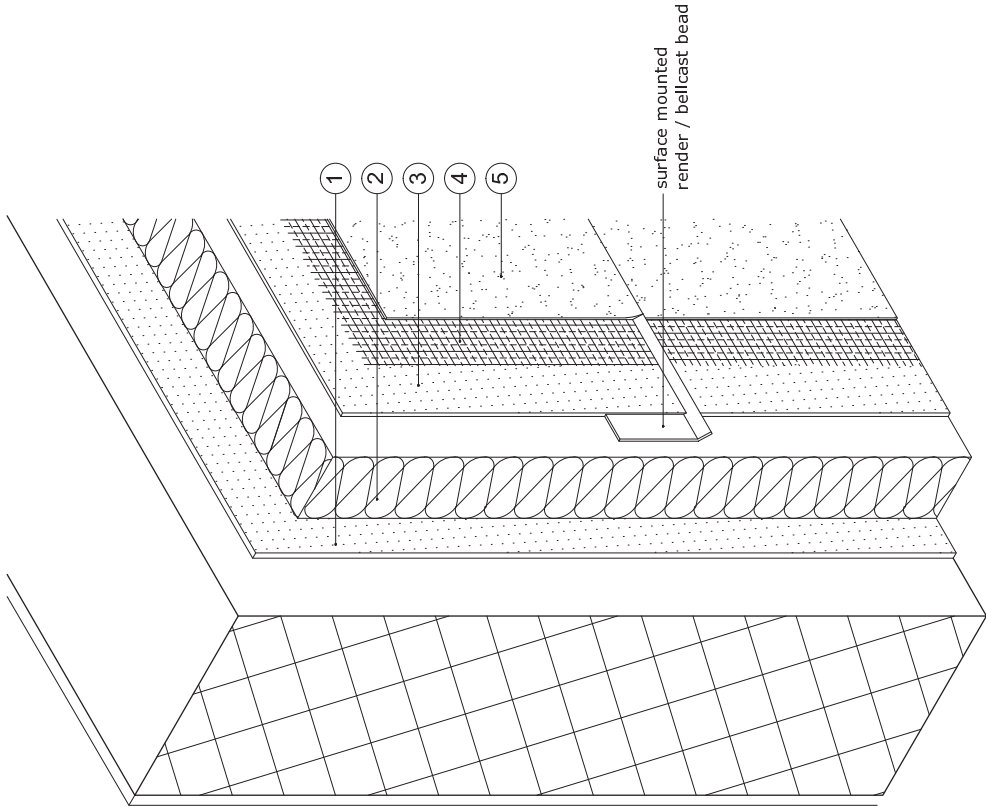
Scale NTS Date

Sheet Size A3 Drawn By ROCKWOOL® Tech

Drawing Number RWSd (21) 025 Rev. —

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



ROCKWOOL®

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Decorative horizontal finish change

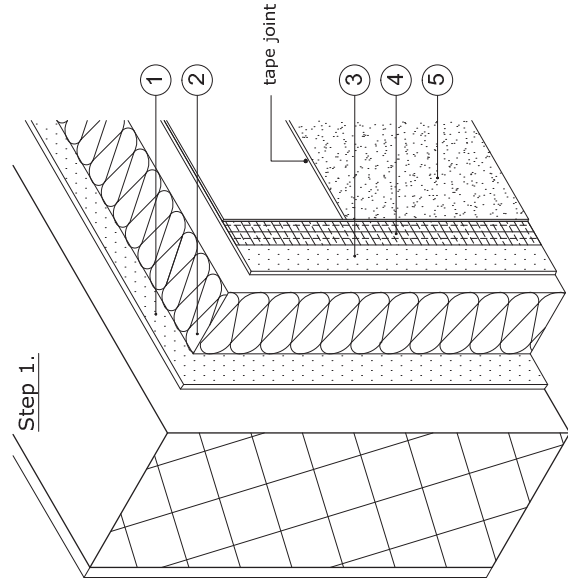
Scale NTS Date

Sheet Size A3 Drawn By ROCKWOOL® Tech

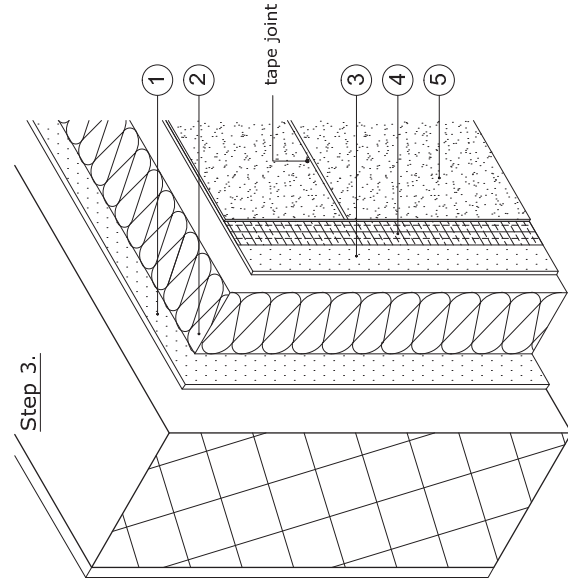
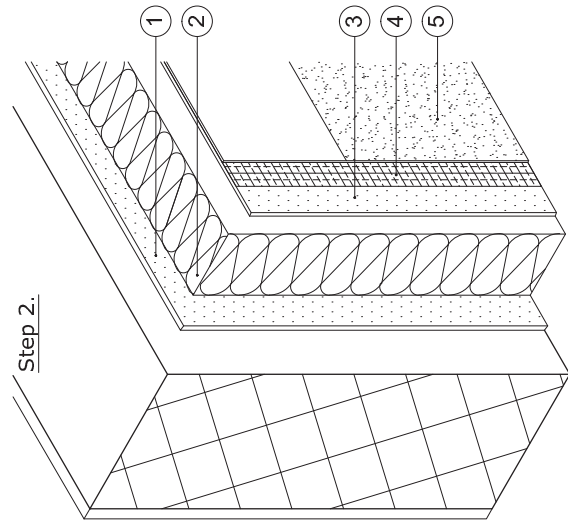
Drawing Number RWSD (21) 026 Rev. —

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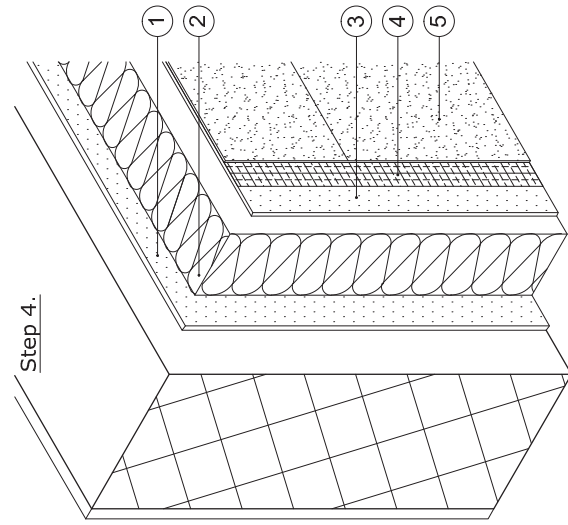
☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ EcoRock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect



- Step 1 & 2:**
1. Apply tape onto Rockwool Reinforced Basecoat layer to appropriate line.
 2. Apply Rockwool Masonry Sealer (2-6 hr drying time) & Topcoat render finish specified down to line of tape.
 3. Carefully remove tape before Topcoat has fully set.



- Step 3 & 4:**
1. Re-apply tape to line over Topcoat finish.
 2. Apply next colour Rockwool Masonry Sealer & Topcoat render finish specified down to meet previous application.
 3. Carefully remove tape before Topcoat has fully set.



Key:

1. Board Adhesive
2. Insulation
3. Basecoat
4. Universal Reinforcing Mesh
5. ROCKWOOL® Decorative Finish as specified

☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ Ecoorock
☐ REDArt Dash	☐ Dashshield
☐ REDArt Brick Effect	☐ Brick Effect

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Notes:

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Colour Change - Thin Coat Render

Scale NTS Date

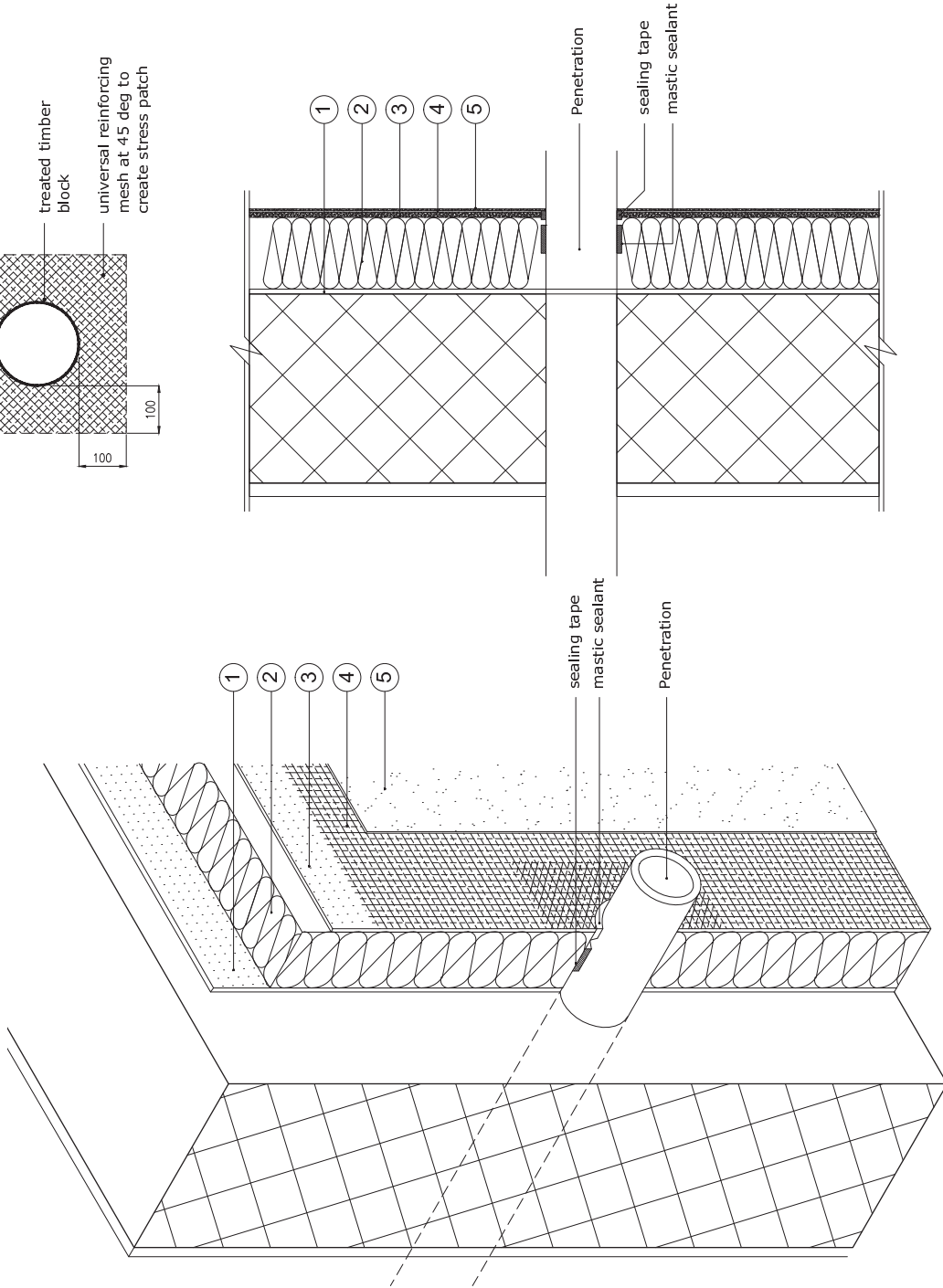
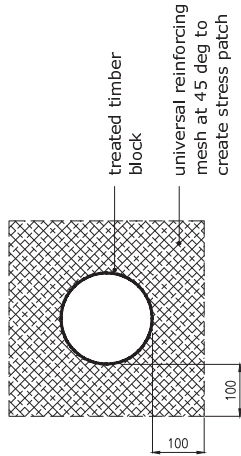
Sheet Size A3 Drawn By ROCKWOOL® Tech

Drawing Number RWSD (21) 027 Rev. _____

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified

Elevation Detail



ROCKWOOL®

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Penetration Detail - Boiler Flue /
Overflow

Scale

NTS

Date

Sheet Size

A3

Drawn By

ROCKWOOL® Tech

Drawing Number

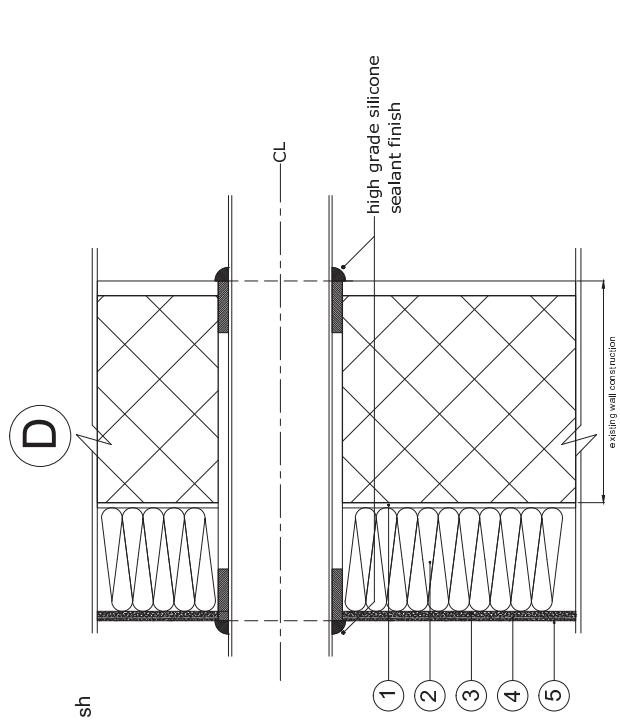
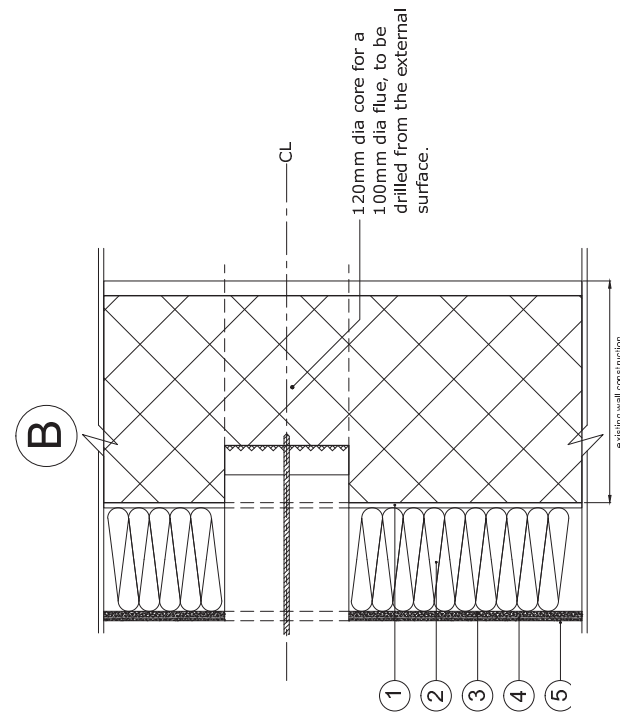
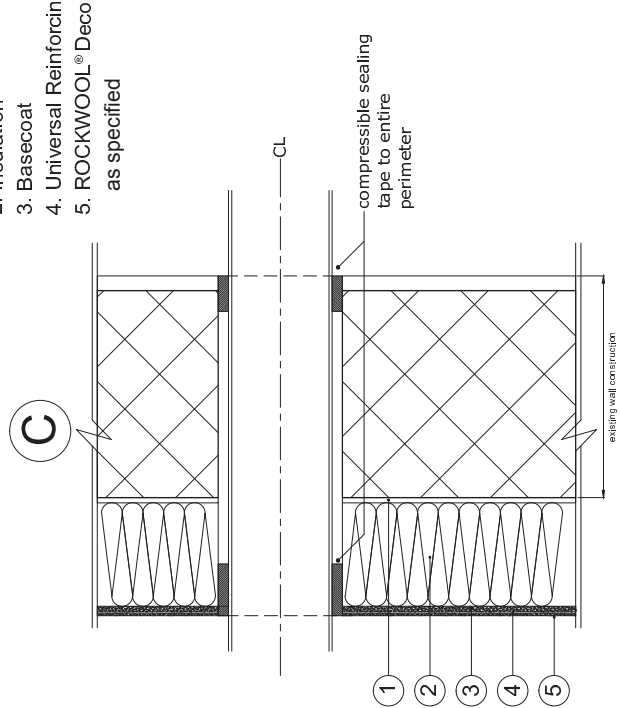
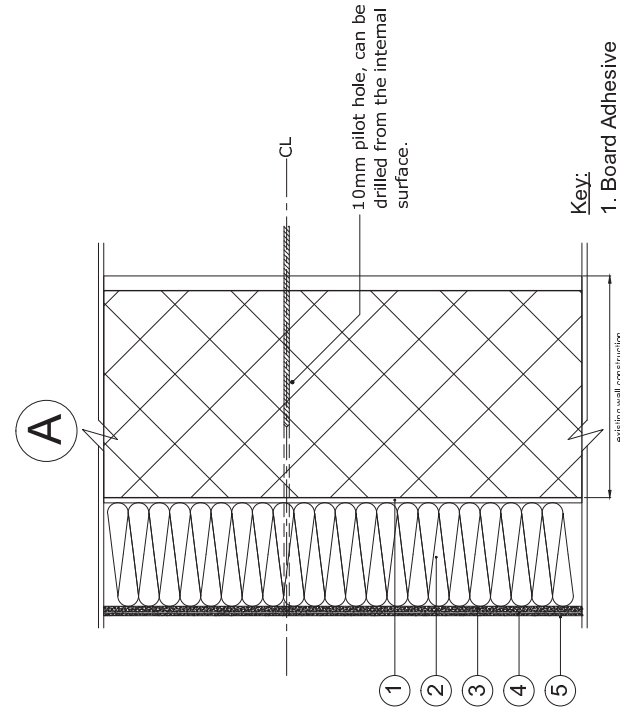
RWSD (21) 030

Rev.

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☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ Ecoorock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect



- Key:**
1. Board Adhesive
 2. Insulation
 3. Basecoat
 4. Universal Reinforcing Mesh
 5. ROCKWOOL® Decorative Finish as specified

☒	REDart Silicone +	☒	Rockshield
☒	REDart Silicone	☒	Ecorock
☒	REDart Dash	☒	Dashshield
☒	REDart Brick Effect	☒	Brick Effect

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Notes:

EXAMPLE METHODOLOGY FOR GAS FLUE CORE CUTTING EXTERNALLY APPLIED

A. Pilot Holes

- A 10mm pilot hole should be drilled on the centreline of the proposed flue aperture.
- This hole can be drilled from the internal to external surface.

B. Core Cutting

- The pilot hole should be used as the centreline for coring through the EWI System from outside to inwards.
- A 120mm maximum diameter core to accommodate a 100mm diameter flue extract should be drilled carefully through the EWI system from the external face avoiding minimal disruption and breakage to the external render.

C. Sealing Tape

- After insertion of the flue extract, compressible sealing tape is to be applied around the entire perimeter of the pipe to seal the system securely between.
- Where any excessive gaps have occurred through breakage, these should be filled using either Rockwool insulate cuttings or Expandable Foam.

D. Silicone Sealant

- On completion of works a final system seal should be applied using a high grade silicone sealant around the extract termination point to prevent water egress to the EWI system.

E. Detailing

- Please refer to Rockwool standard flue penetration details for finishing.

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing

Penetration Detail -Retro Fit Boiler Flue

Scale

NTS

Sheet Size

A3

Drawing Number

RWSD (21) 031

Date

Drawn By

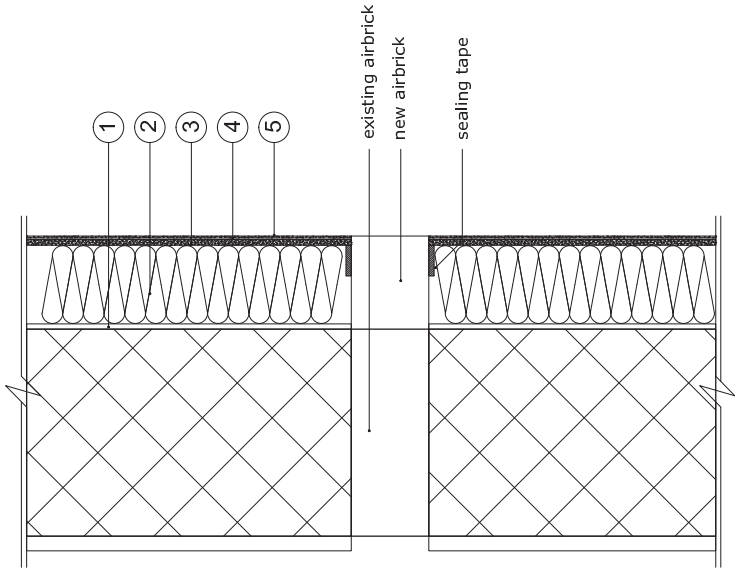
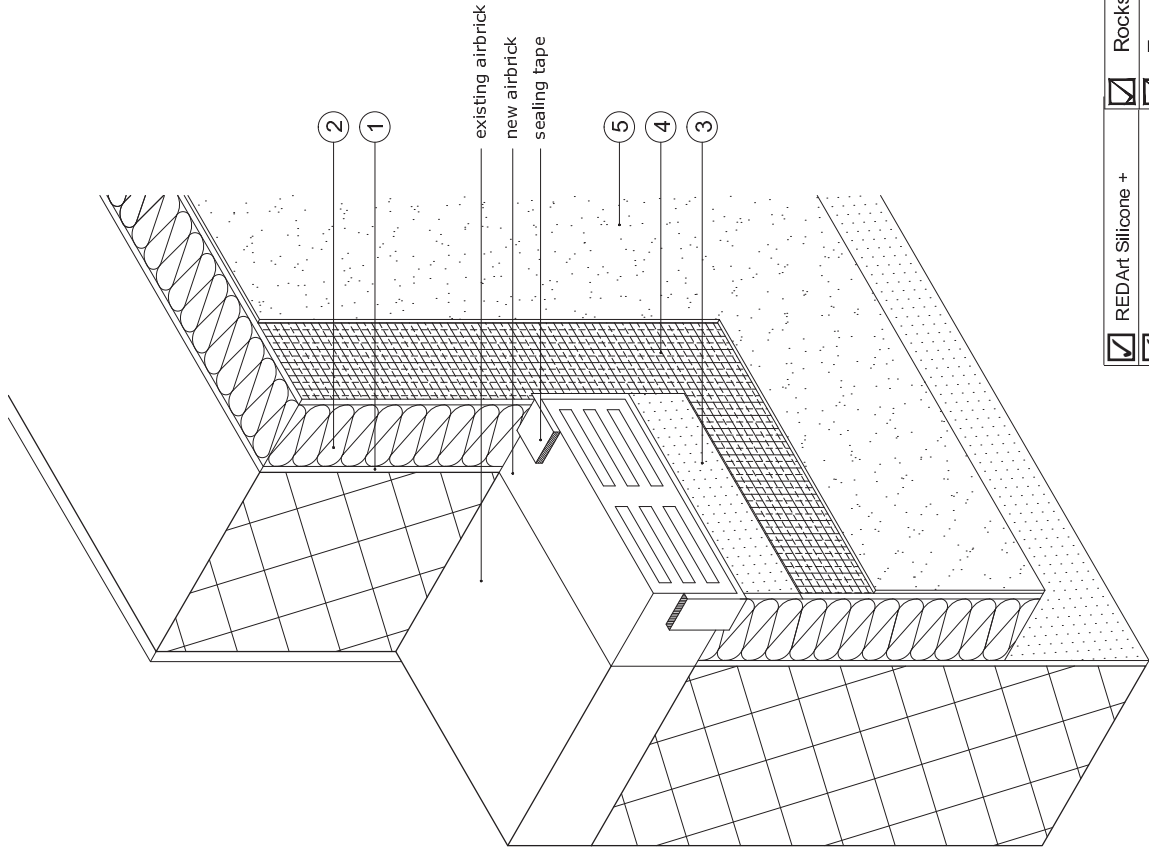
ROCKWOOL® Tech

Rev.

—

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ Ecoorock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect

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Notes:

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Penetration Detail - Air Brick Detail

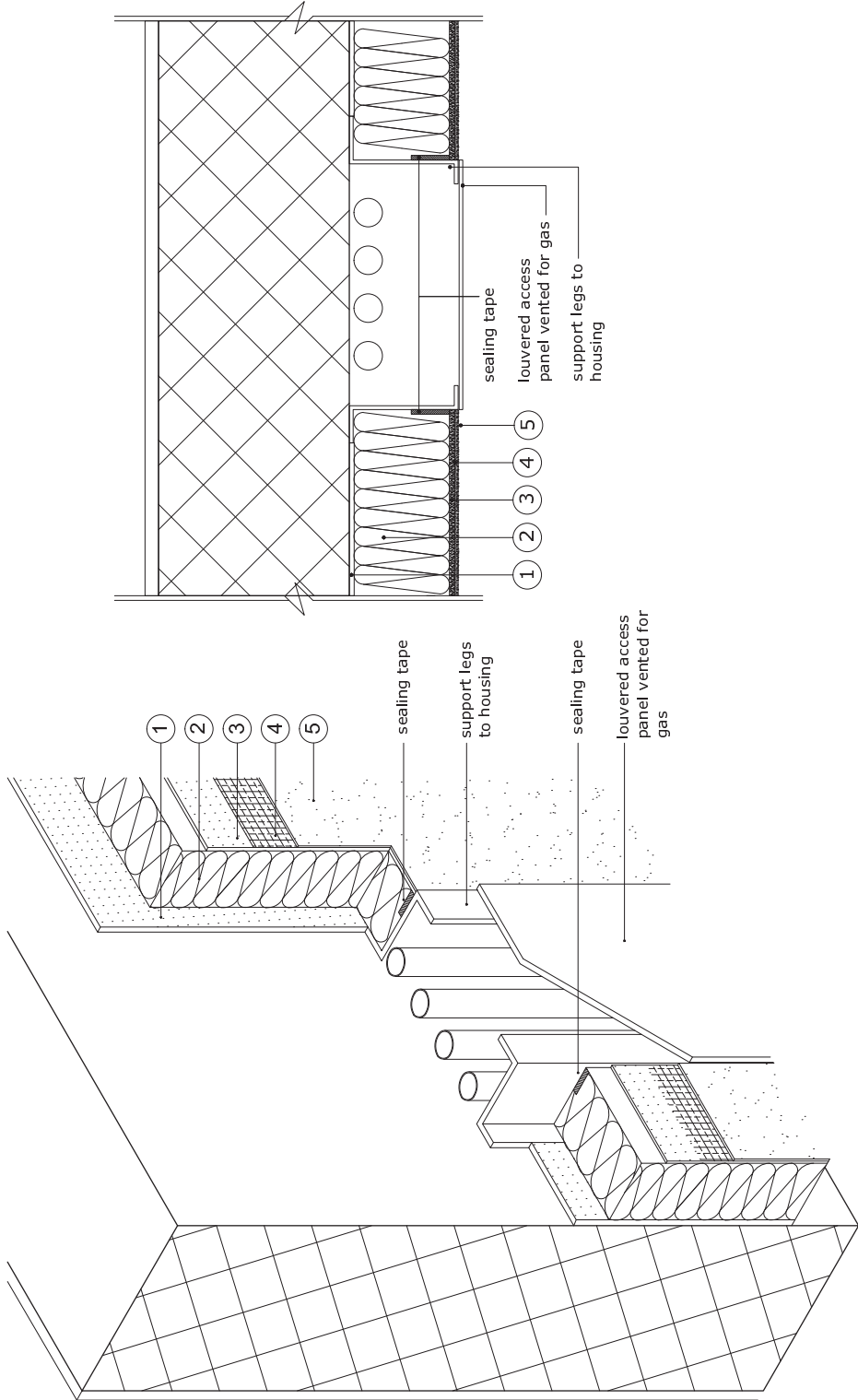
Scale NTS Date

Sheet Size A3 Drawn By ROCKWOOL® Tech

Drawing Number RWSO (21) 032 Rev. —

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Penetration Detail - Vertical Access
Detail

Scale NTS

Date

Sheet Size

A3

Drawn By

ROCKWOOL® Tech

Drawing Number

RWSD (21) 033

Rev.

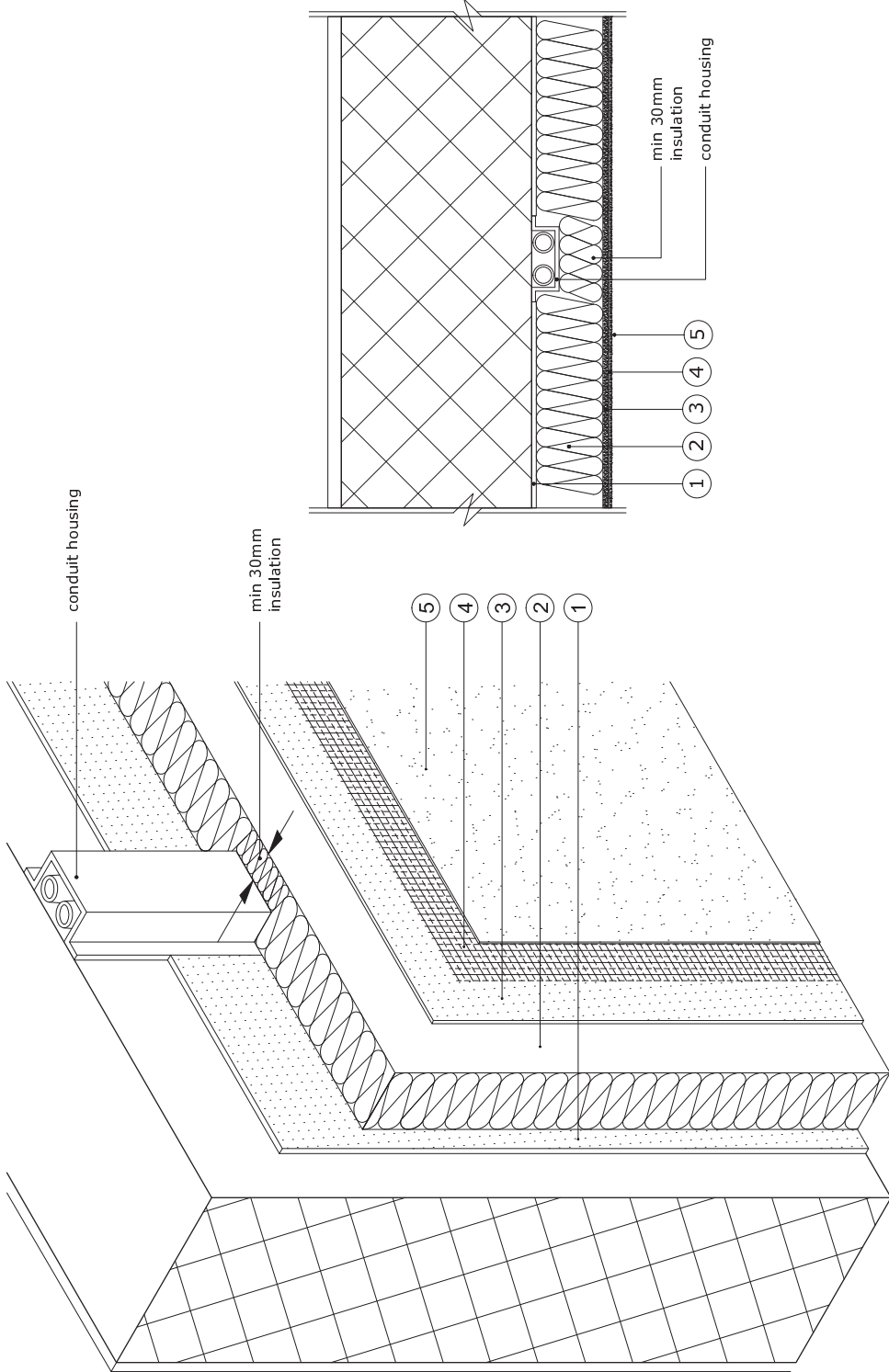
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☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ Eco-rock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



Notes:

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Penetration Detail - Conduit Housing
Detail

Scale

Date

NTS

Sheet Size

A3

Drawn By

ROCKWOOL® Tech

Drawing Number

RWSD (21) 034

Rev.

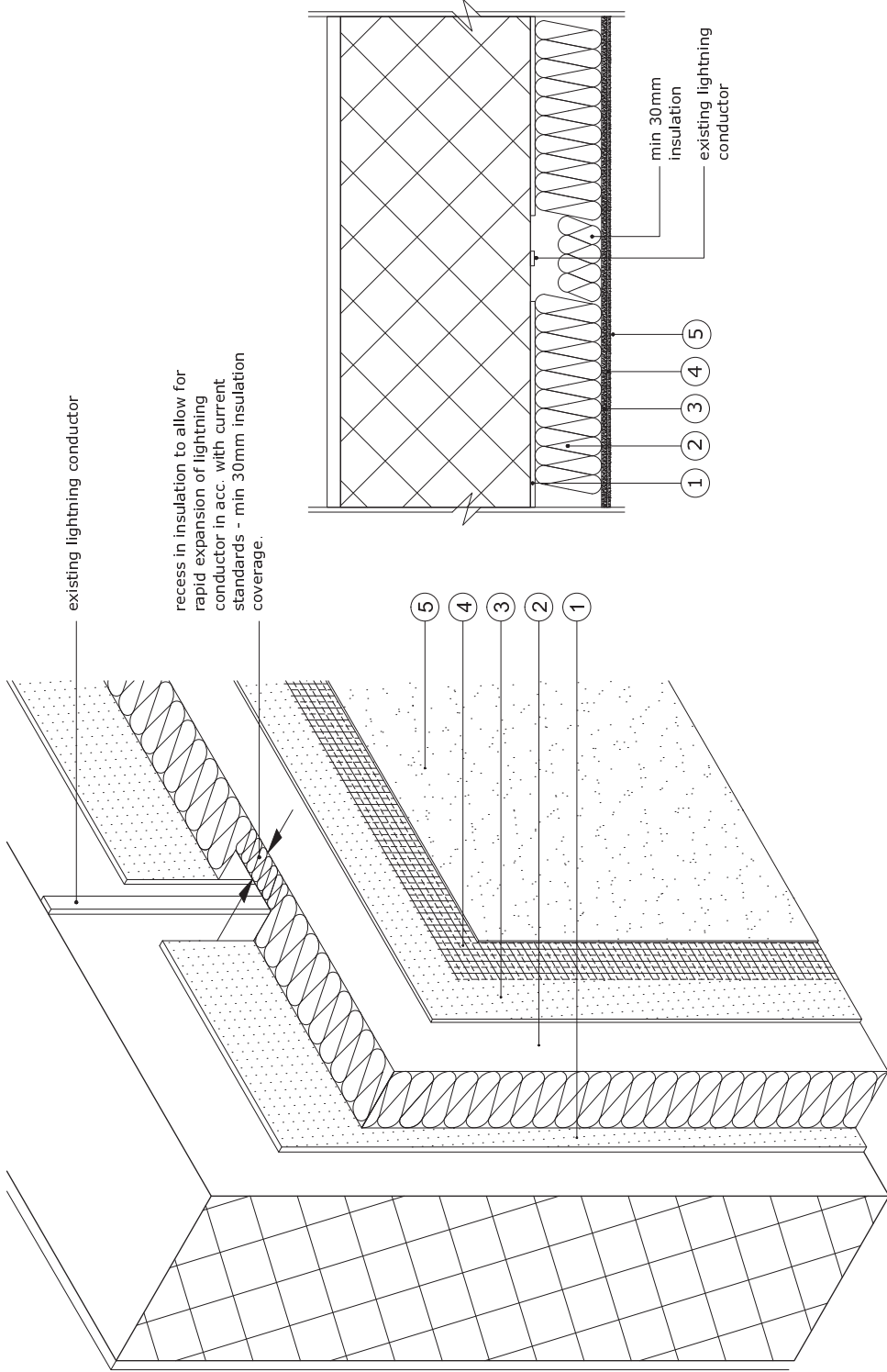
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☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ Ecoorock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



Notes:

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Penetration Detail - Lightning
Conductor Detail

Scale NTS Date

Sheet Size A3 Drawn By ROCKWOOL® Tech

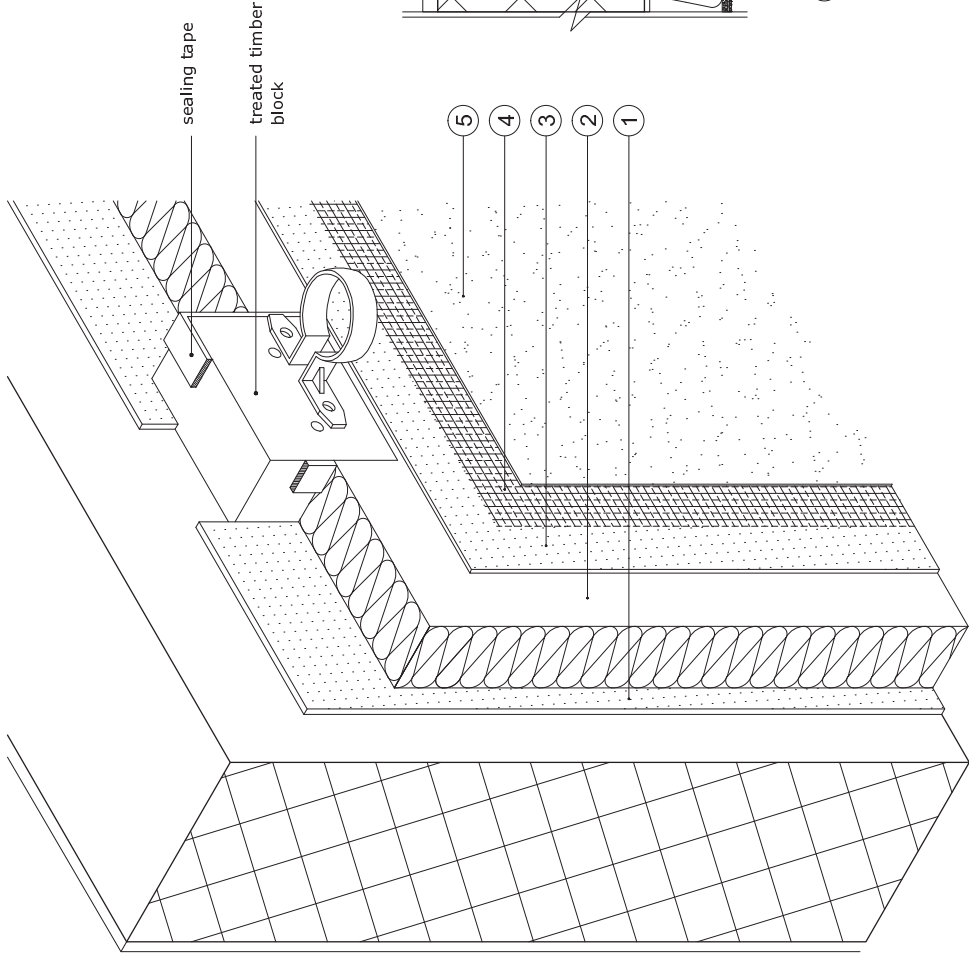
Drawing Number RWSO (21) 035 Rev. —

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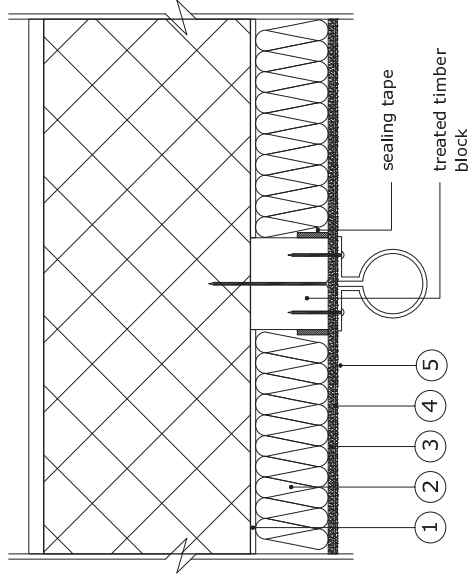
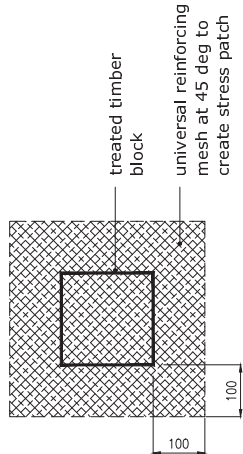
☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ Ecorock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



Elevation Detail



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Note:
Stress patch must be placed to cover treated timber support with a min 100mm overhang. Stress patch should be installed at 45deg to main mesh layer

Notes:

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☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ Ecorock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect

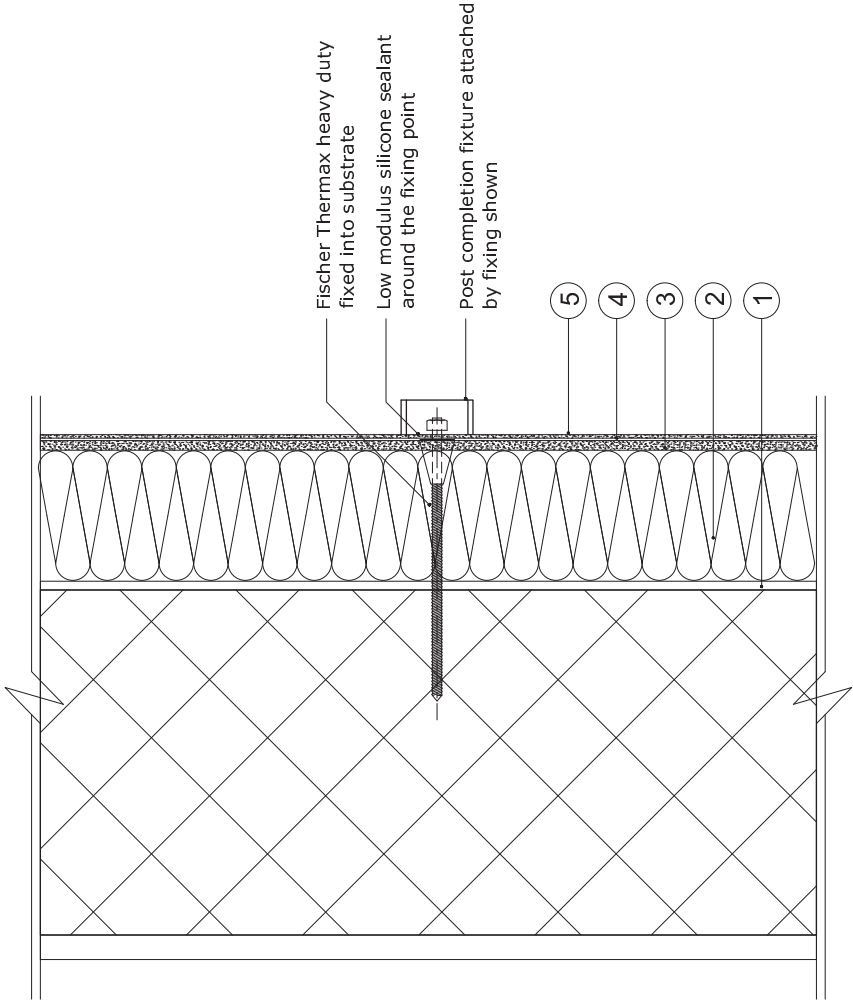
Scale	NTS	Date
Sheet Size	A3	Drawn By
Drawing Number	RWSD (21) 036	Rev.

Drawing Title
ROCKWOOL® Standard Drawing
Penetration Detail - Surface Fixing
Detail

Client
Job Title

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



ROCKWOOL®

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Penetration Detail - Post Fix Anchor
Point Detail

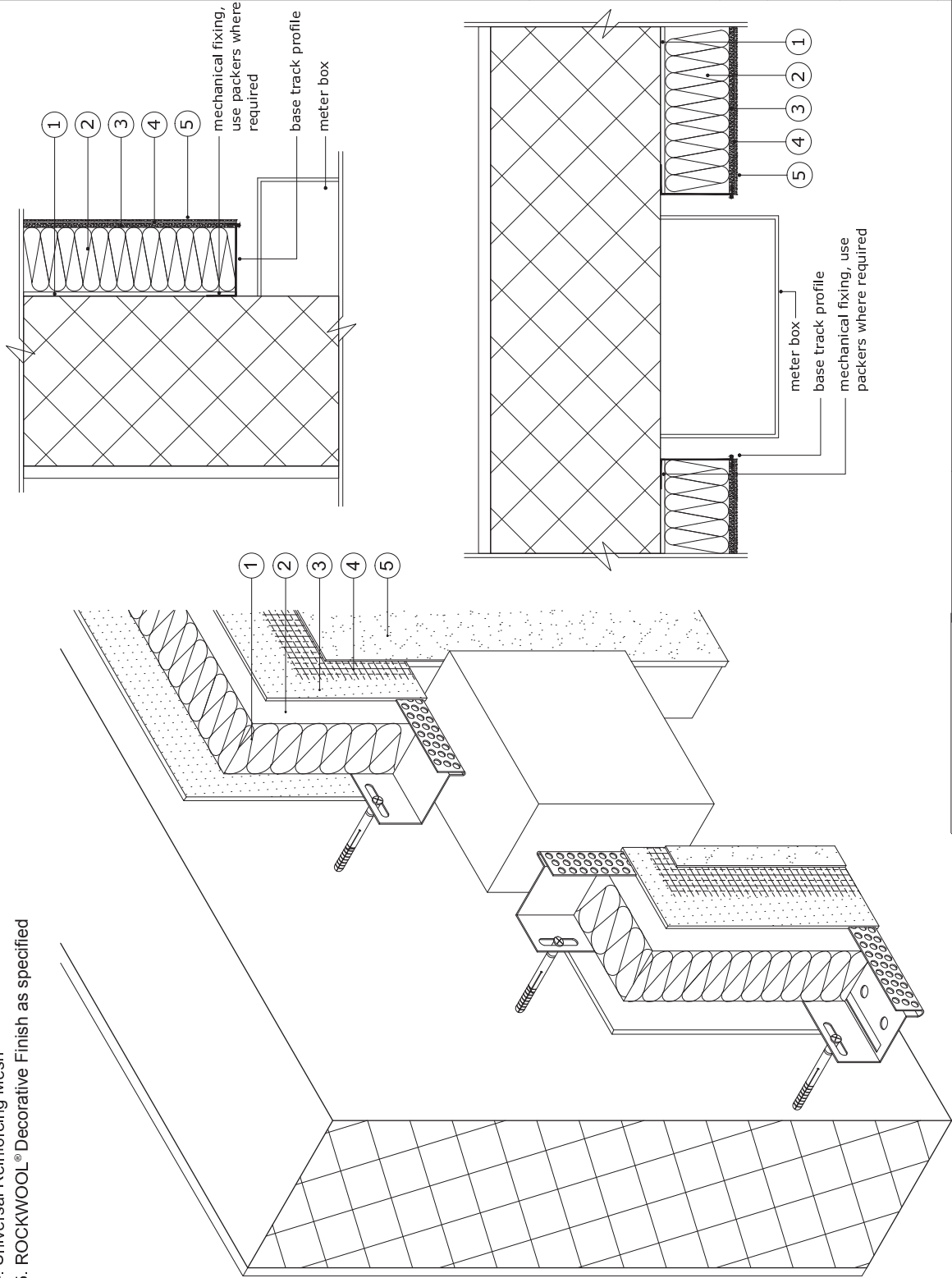
Scale	NTS	Date
Sheet Size	A3	Drawn By
Drawing Number	RWSD (21) 037	Rev.
		ROCKWOOL® Tech

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☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ Ecorock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



Notes:

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Utility Meter Box Detail

Scale NTS Date

Sheet Size A3

Drawn By ROCKWOOL® Tech

Drawing Number

RWSD (21) 038

Rev.

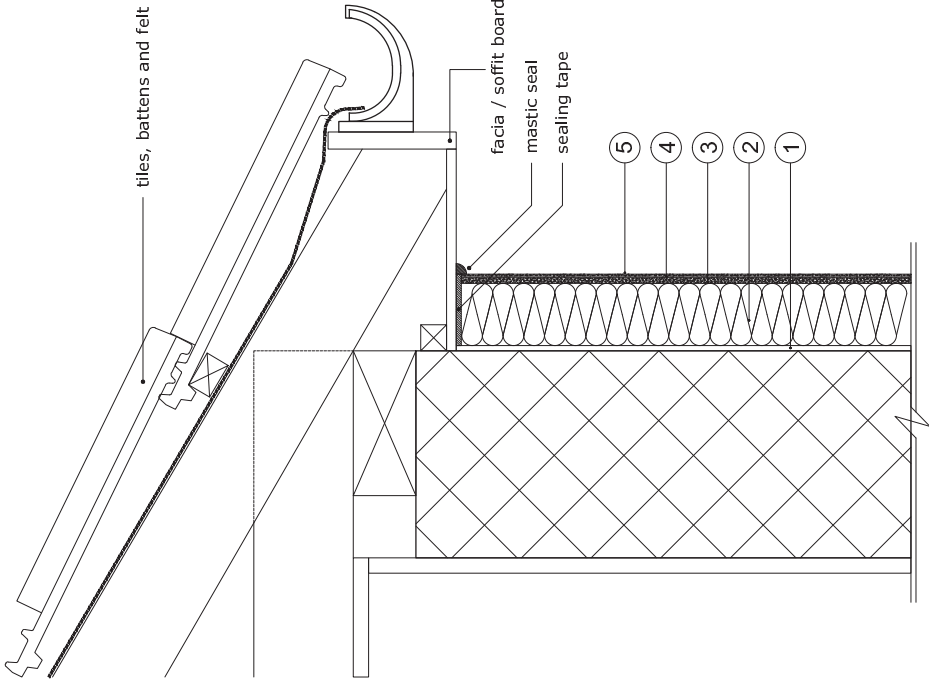
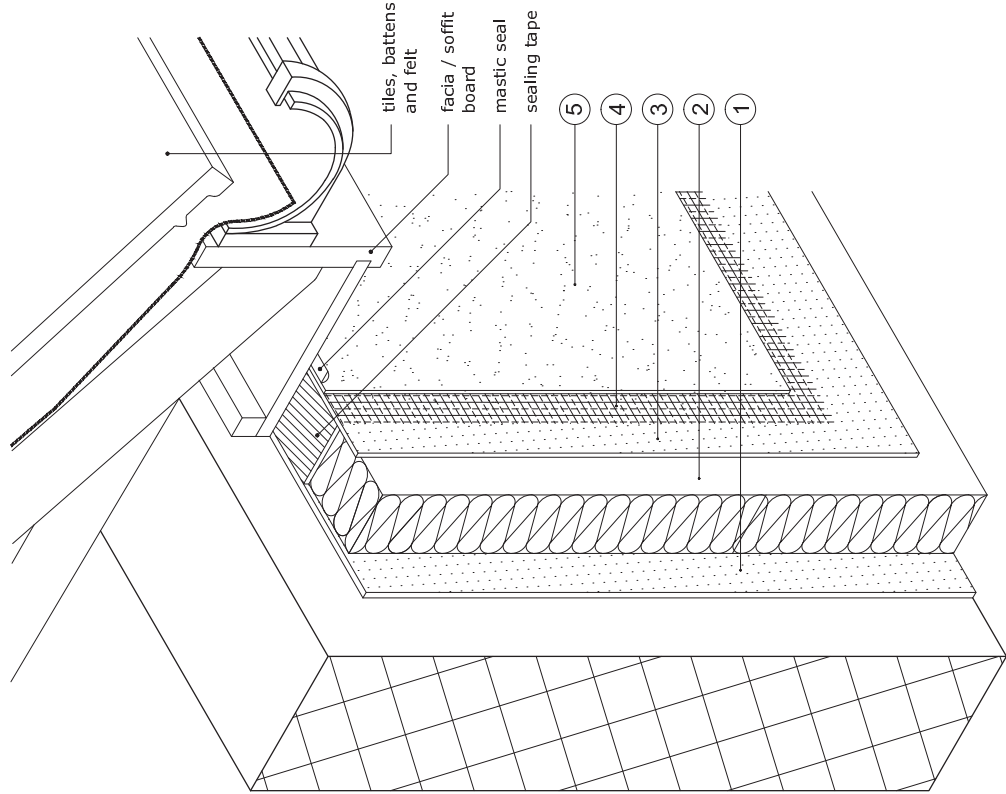
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☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ Ecorock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect

Key:

- 1. Board Adhesive
- 2. Insulation
- 3. Basecoat
- 4. Universal Reinforcing Mesh
- 5. ROCKWOOL® Decorative Finish as specified



Notes:

Note:
On refurbishment projects, if soffit vent's are covered by the new cladding, new vents need to be provided towards the front of the soffit board.

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Client

Job Title

Drawing Title

ROCKWOOL® Standard Drawing
Pitched Roof - Eaves Detail Type 1

Scale NTS Date

Sheet Size A3 Drawn By ROCKWOOL® Tech

Drawing Number RWSO (27) 001 Rev. —

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☒ REDArt Silicone +	☒ Rockshield
☒ REDArt Silicone	☒ Ecorock
☒ REDArt Dash	☒ Dashshield
☒ REDArt Brick Effect	☒ Brick Effect