



## Wetherby Building Systems

### Enhanced EPS with Dashing Render Finish



The following Wetherby EWI detail drawing set is generic and is not be used for a specific project.  
Please contact Wetherby Technical to obtain a project specific detail drawing set.

1 Kid Glove Road, Golborne, Greater Manchester, WA3 3GS  
Tel: 01942 717100 Fax: 01942 717101 E-mail: [technical@wbs-ltd.co.uk](mailto:technical@wbs-ltd.co.uk) Web: [www.wbs-ltd.co.uk](http://www.wbs-ltd.co.uk)

Existing Masonry Substrate

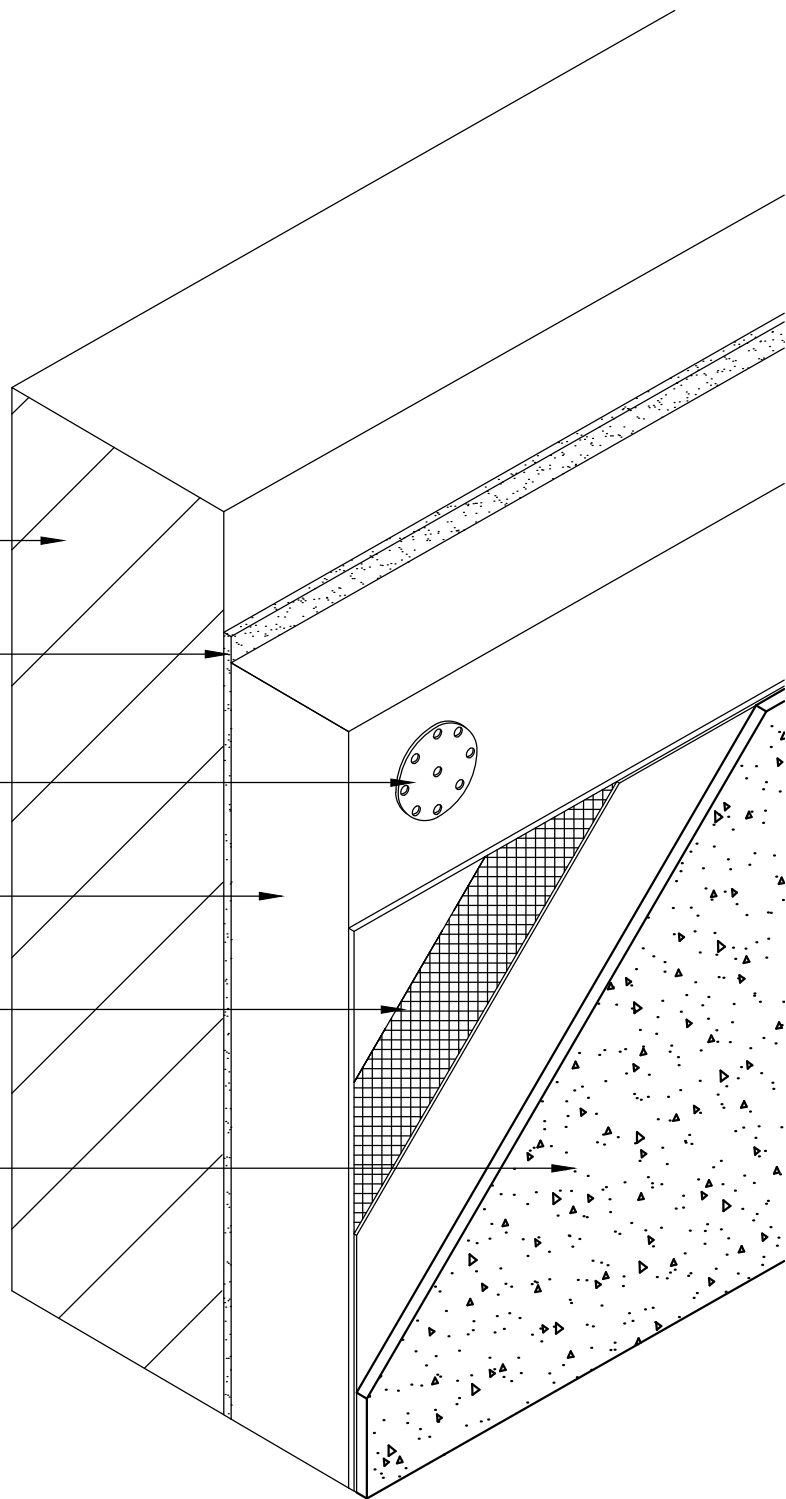
WBS Insulation Bedding Adhesive  
(where specified)

WBS Approved Mechanical Fixing

WBS Enhanced EPS Insulation Board

WBS Scrim Adhesive @ 4-6mm  
with WBS Scrim Cloth

WBS Dash Receiver @ 8-10mm  
with Approved Dashing Aggregate



Project Name:

Typical Details - Enhanced EPS with Dashing Render

Drawing Title:

Isometric Detail

Drawing No:

WBS-EWI-M-DF-EPS-DAS-0001

Drawn by: N.K

Checked by: D.N

Revision: -

Scale: NTS

Date: 24.05.2024

Drawing Set: 01

Wetherby Building Systems Ltd



1 Kid Glove Road, Golborne, WA3 3GS  
Tel: 01942 717100 Fax: 01942 717101

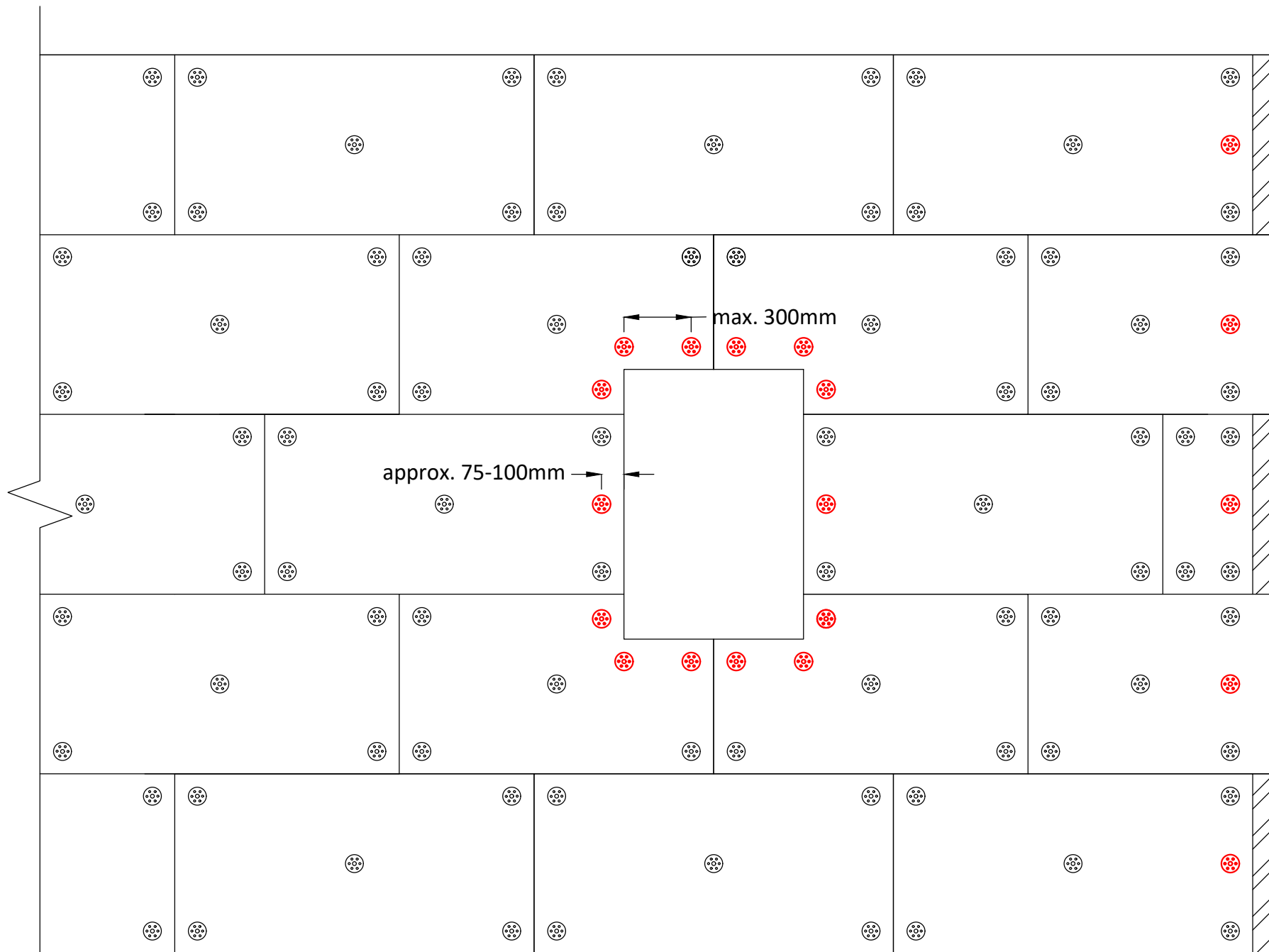
Web: [www.wbs-ltd.co.uk](http://www.wbs-ltd.co.uk)

E-mail: [technical@wbs-ltd.co.uk](mailto:technical@wbs-ltd.co.uk)

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**TYPICAL ELEVATION:**



**WBS Approved Mechanical Fixings, installed through insulation layer.**



**Additional WBS Approved Mechanical Fixings, installed at max. 300mm centres around all openings and external corners.**

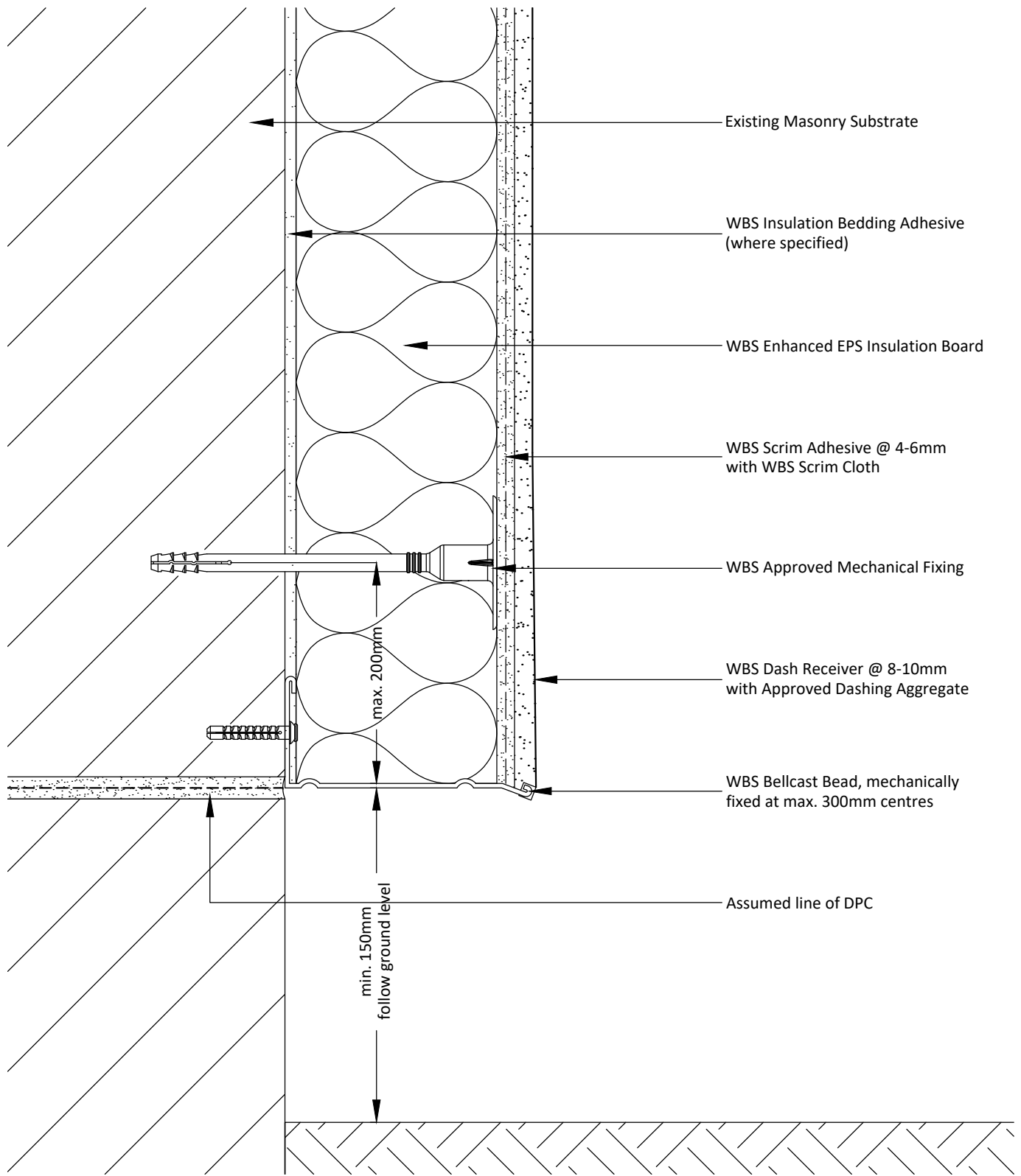
- Notes:**
- 1 - Fixing pattern for WBS Enhanced EPS Insulation Board shown indicatively only - always refer to project specific fixing pattern.
  - 2 - Main area elevations to follow a minimum of 5 mechanical fixings per board, installed through the insulation layer.
  - 3 - Minimum 200mm insulation bond overlap.
  - 4 - Additional fixings to be installed at max. 300mm centres around all openings and external corners. Fixings must be located approx. 75-100mm from the substrate edge.
  - 5 - For application to second storey walls and above, an additional stainless steel fire fixing must be installed at a minimum of 1 per m2, through the reinforcing basecoat and mesh layer.
  - 6 - NHBC Standards require that in all cases, an additional stainless steel fire fixing must be installed at a minimum of 1 per insulation board or 1 per m2 (whichever provides the greater number), through the reinforcing basecoat and mesh layer.

Project Name:	Drawn by: N.K
Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N
Drawing Title:	Revision: -
Fixing Pattern Detail A	Scale: NTS
Drawing No:	Date: 24.05.2024
WBS-EWI-M-DF-EPS-DAS-0002	Drawing Set: 01

Wetherby Building Systems Ltd


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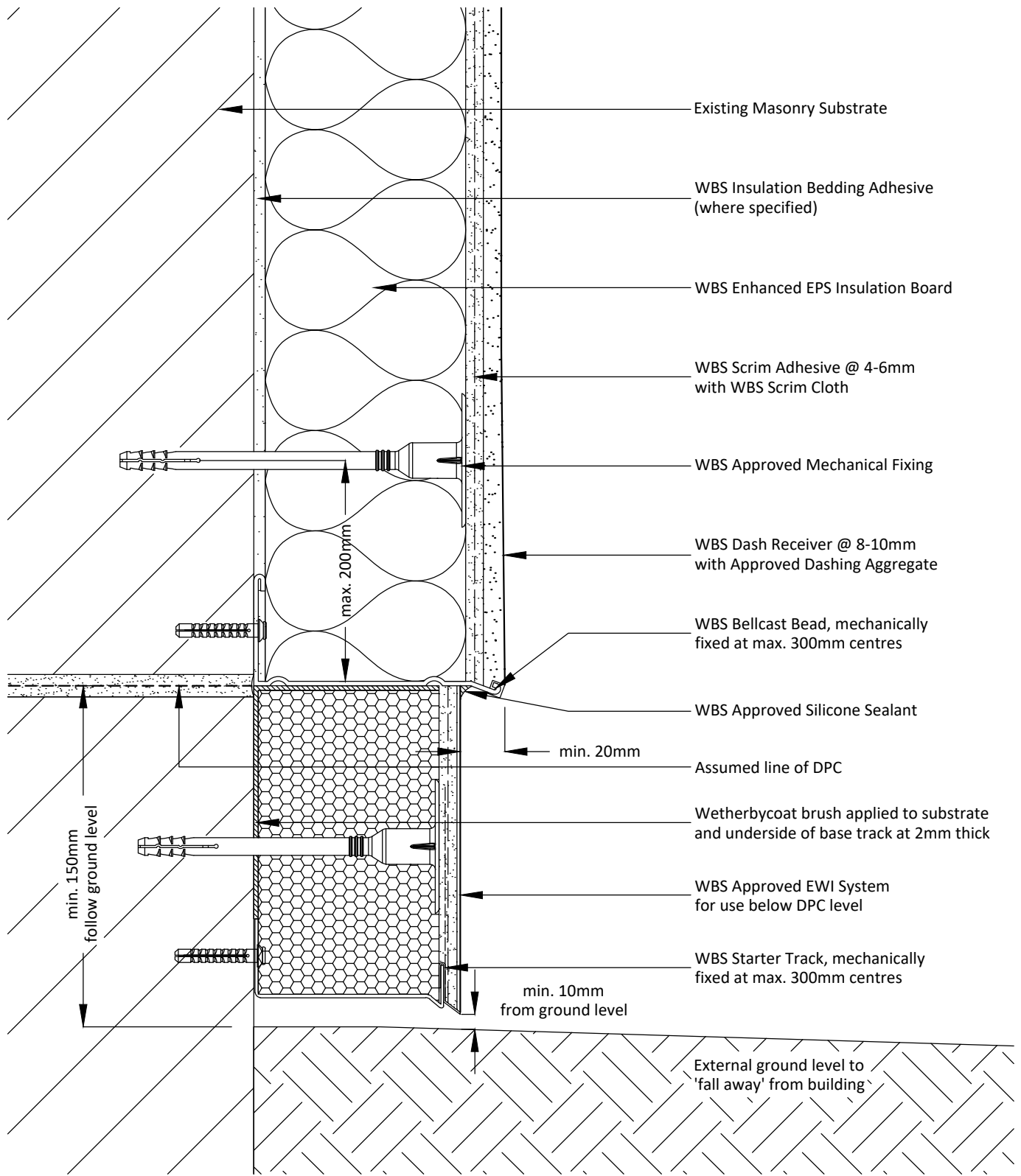


**Notes:**

- 1 - DPC must not be bridged.
- 2 - Detail creates a potential cold bridge. Insulation may be required below DPC.
- 3 - Detail may not be acceptable on PAS projects due to potential cold bridge.


Project Name:	Drawn by: N.K	Wetherby Building Systems Ltd	 <p>1 Kid Glove Road, Golborne, WA3 3GS          Tel: 01942 717100 Fax: 01942 717101          Web: www.wbs-ltd.co.uk          E-mail: technical@wbs-ltd.co.uk          © WBS-LTD 1998-2024. All rights reserved</p>
Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Standard Base Detail	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-1000	Drawing Set: 01		

Note: The intent of this drawing is to show the correct application of WBS products and systems only. All other building elements are shown for illustrative purposes only and it is not intended to detail the building construction. The WBS project specific specification must be followed & read in conjunction with detail drawings.



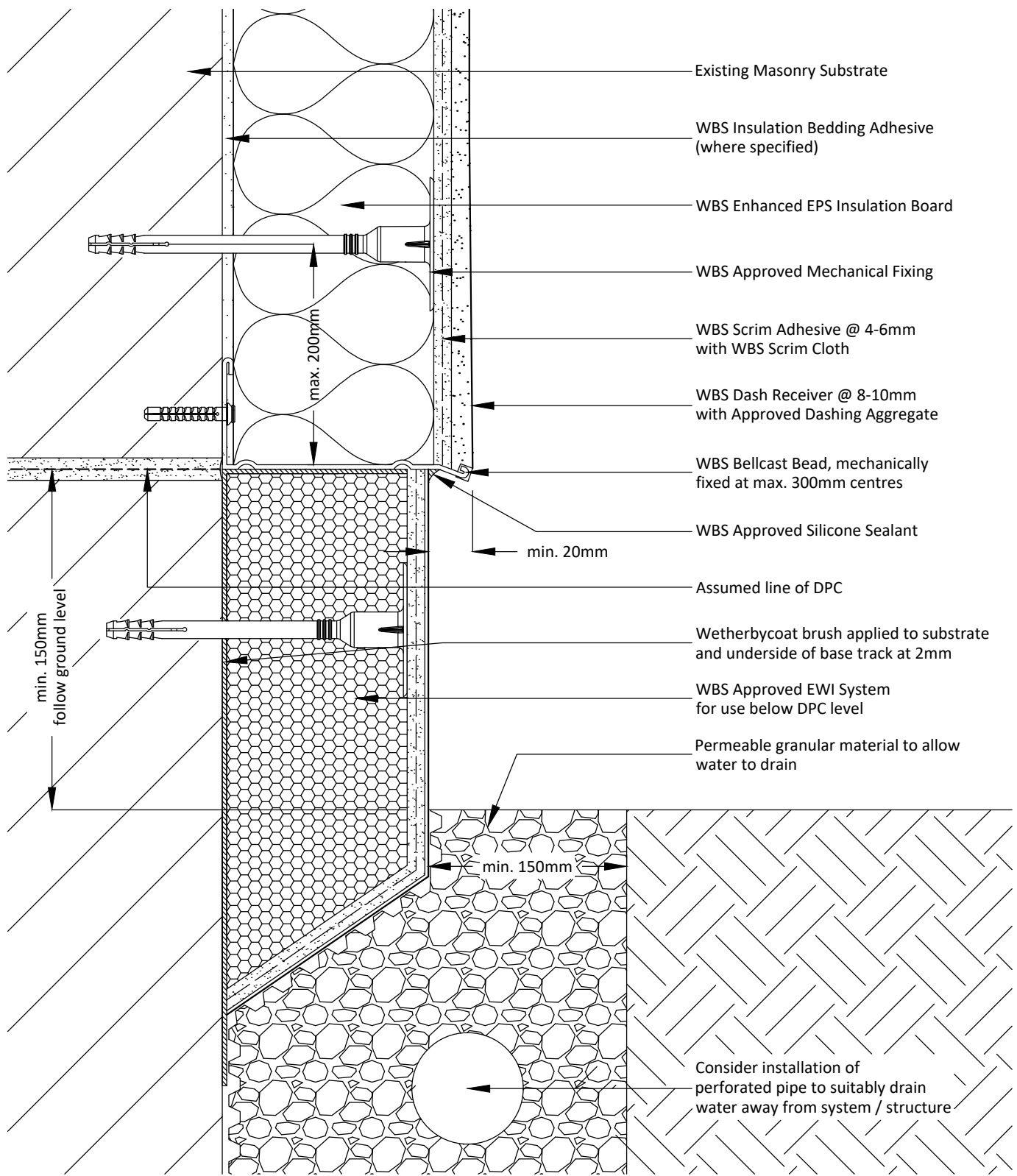
**Notes:**

- 1 - DPC must not be bridged.
- 2 - Insulation below DPC level should provide a minimum 75% of the thermal resistance of main wall insulation.
- 3 - Below DPC system outside the scope of certification/warranty.

Project Name:	Drawn by: N.K	Wetherby Building Systems Ltd	 <p>1 Kid Glove Road, Golborne, WA3 3GS          Tel: 01942 717100 Fax: 01942 717101          Web: www.wbs-ltd.co.uk          E-mail: technical@wbs-ltd.co.uk          © WBS-LTD 1998-2024. All rights reserved</p>
Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Insulated Base Detail A	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-1001	Drawing Set: 01		


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**Notes:**

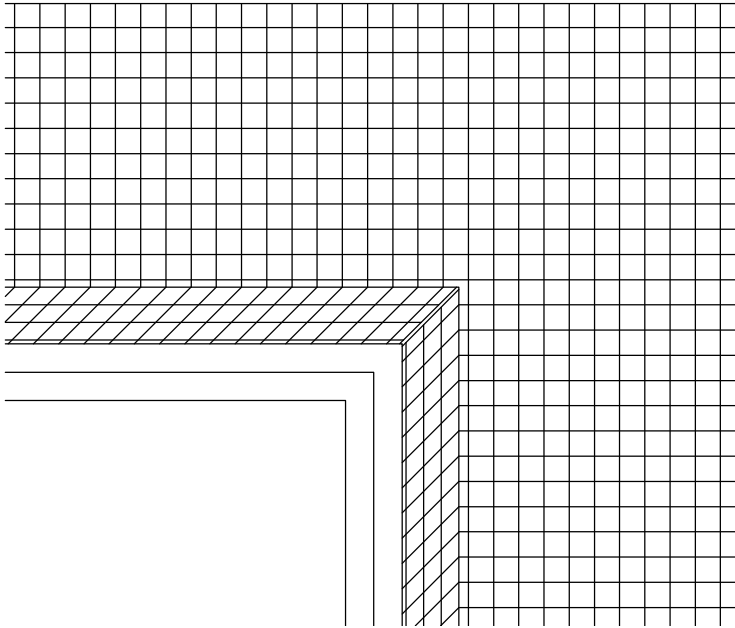
- 1 - DPC must not be bridged.
- 2 - Insulation below DPC level should provide a minimum 75% of the thermal resistance of main wall insulation.
- 3 - Below DPC system outside the scope of certification/warranty.

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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Insulated Base Detail B	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-1002	Drawing Set: 01		

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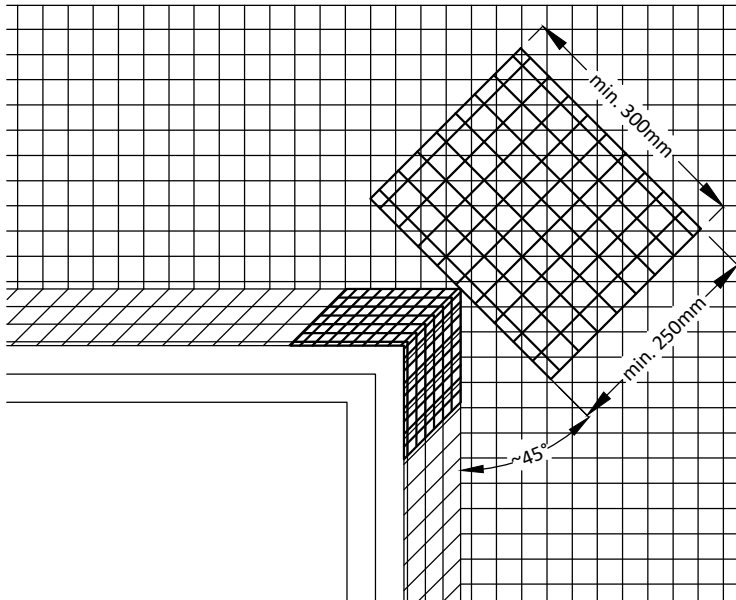
A

Reinforcing mesh returned into opening reveal and head



B

Additional 300 x 250mm (min.) reinforcing mesh stress patch applied diagonally across opening at approx. 45° angle



Project Name:

Typical Details - Enhanced EPS with Dashing Render

Drawing Title:

Stress Patch Detail

Drawing No:

WBS-EWI-M-DF-EPS-DAS-2000

Drawn by: N.K

Checked by: D.N

Revision: -

Scale: NTS

Date: 24.05.2024

Drawing Set: 01

Wetherby Building Systems Ltd



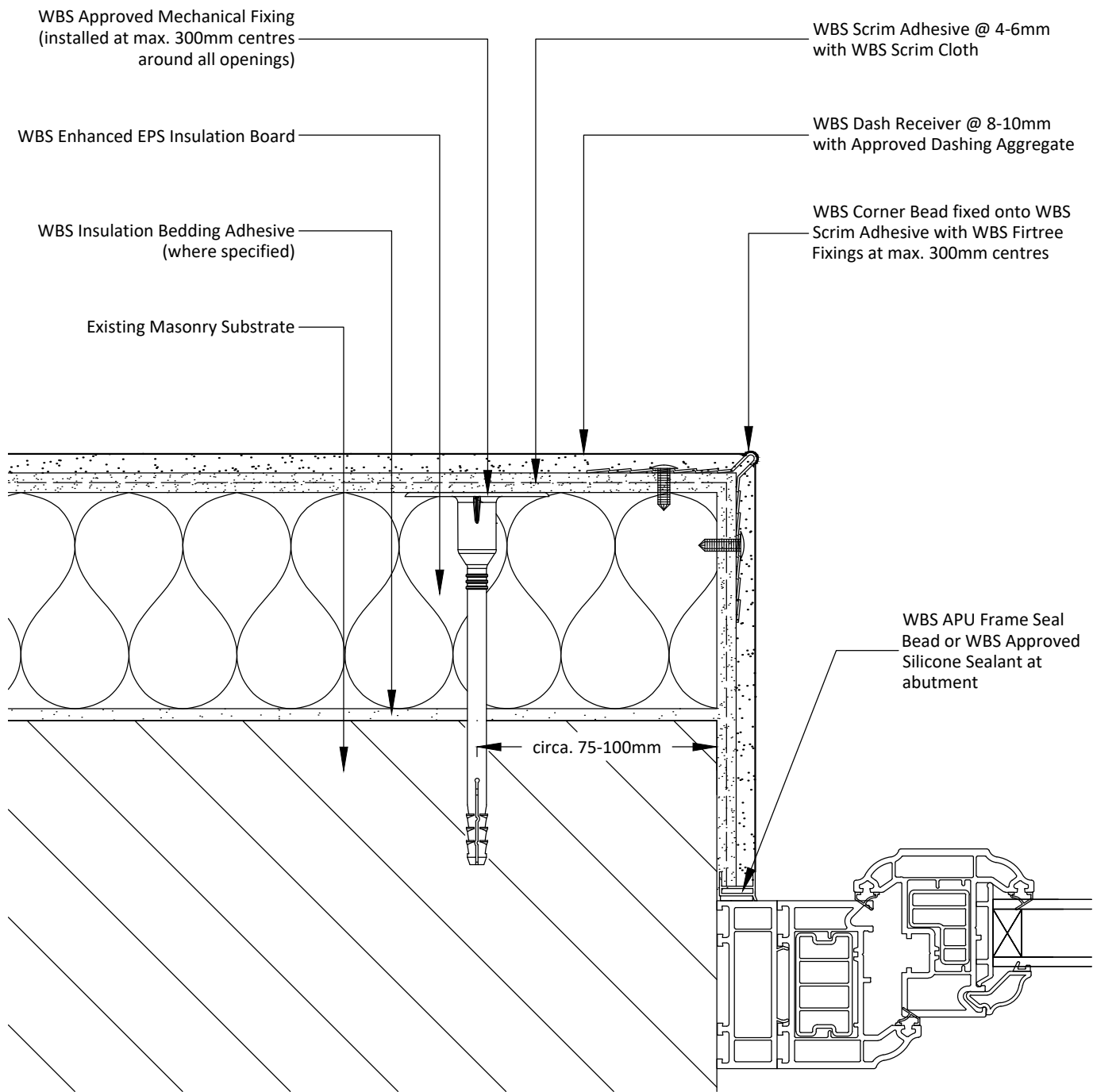
1 Kid Glove Road, Golborne, WA3 3GS  
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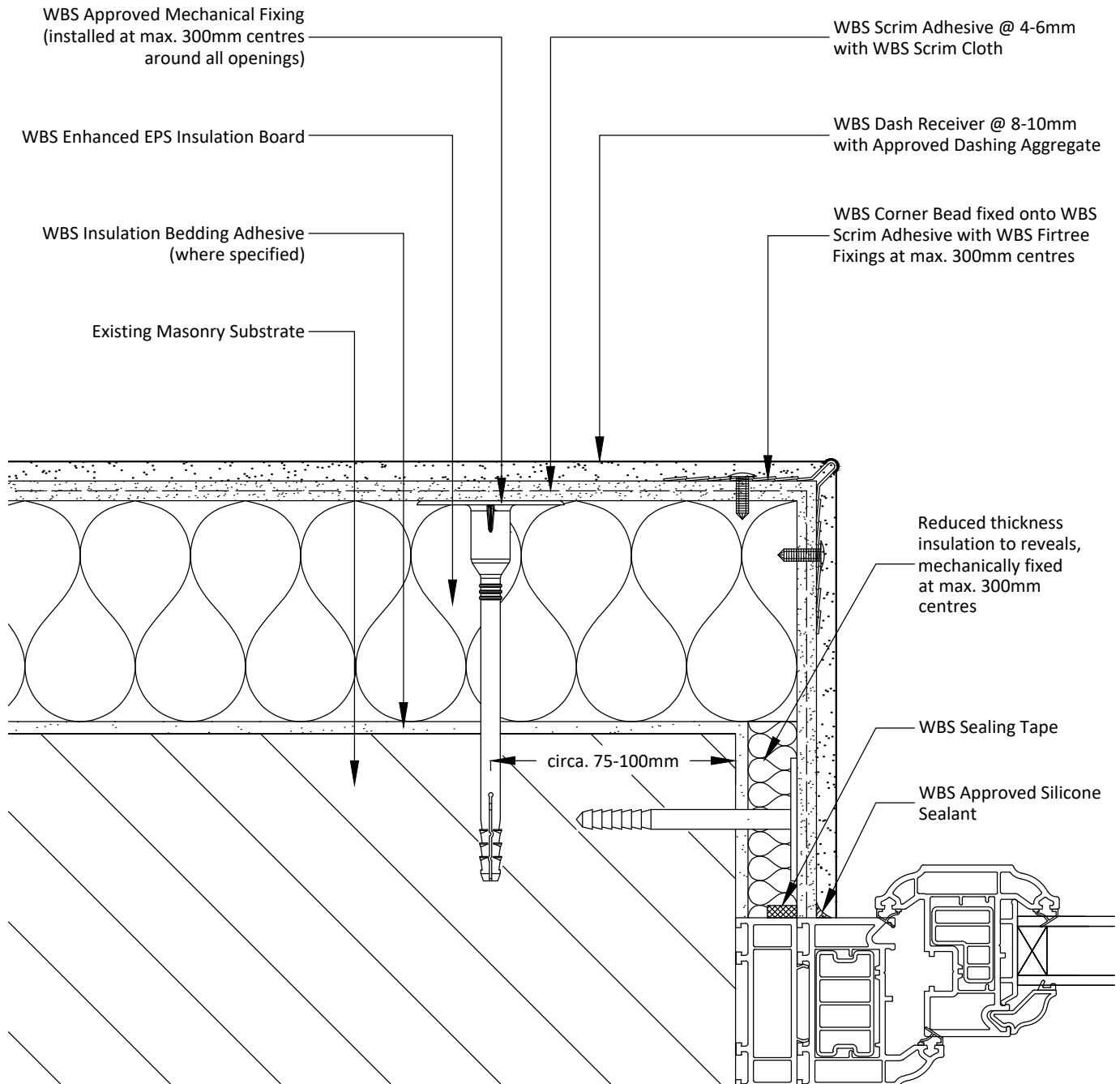
**Notes:**

- 1 - Additional fixings to be installed at max. 300mm centres around all openings.
- 2 - Detail creates a potential cold bridge. To be assessed and agreed specific to individual property.
- 3 - WBS Sealing Tape must be installed at the junction between the insulation board and window cill.
- 4 - Fire Barriers may be required around openings subject to project specific design/requirements.
- 5 - Detail may not be acceptable on PAS projects due to potential cold bridge.

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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Reveal Detail A (Non-Insulated)	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-2001	Drawing Set: 01		


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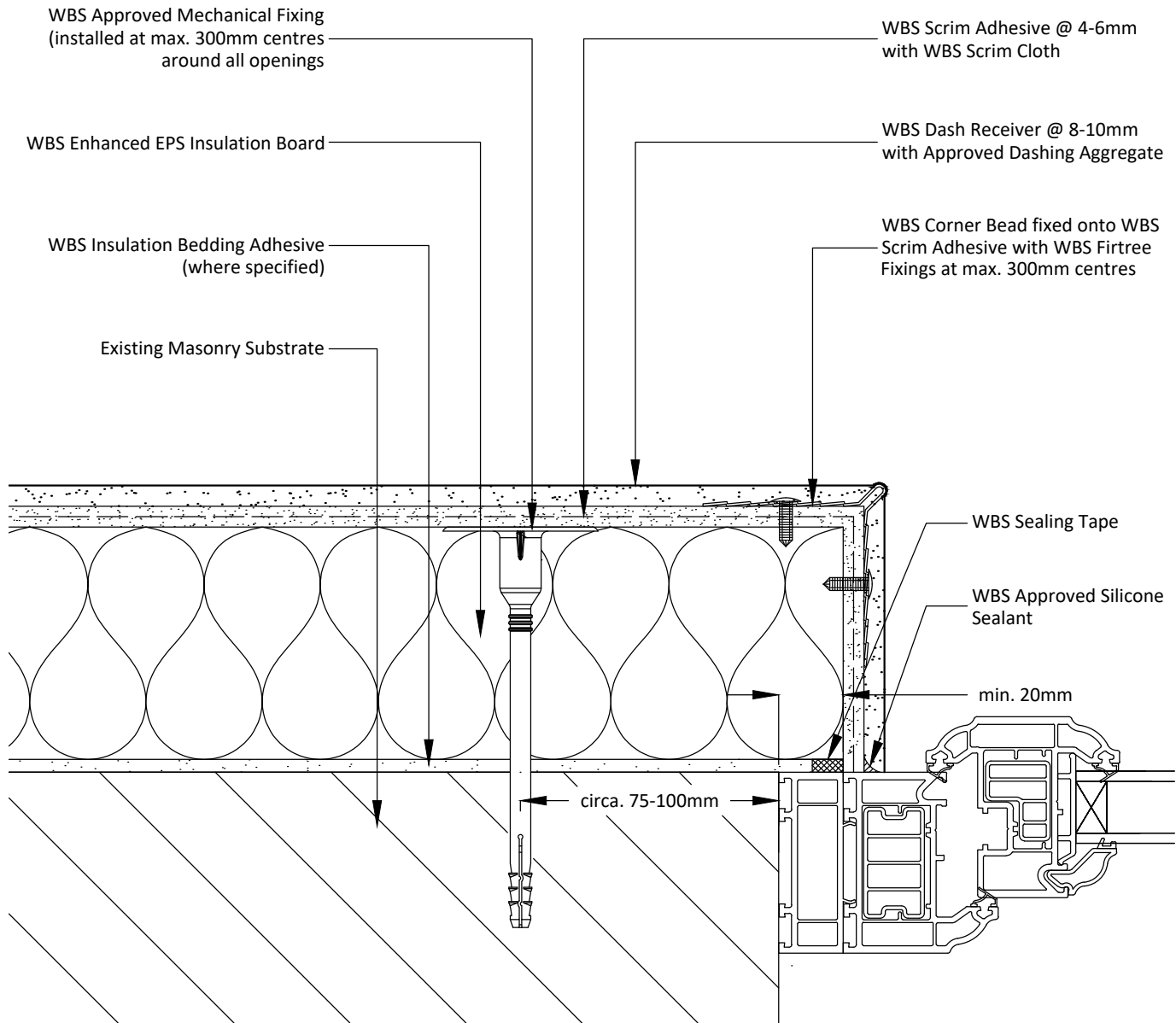


**Notes:**

- 1 - Additional fixings to be installed at max. 300mm centres around all openings.
- 2 - WBS APU Frame Seal Bead can be used as an alternative to WBS Approved Silicone Sealant.
- 3 - WBS Sealing Tape must be installed at the junction between the insulation board and window cill.
- 4 - Fire Barriers may be required around openings subject to project specific design/requirements.


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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Reveal Detail B (Insulated)	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-2002	Drawing Set: 01		

Note: The intent of this drawing is to show the correct application of WBS products and systems only. All other building elements are shown for illustrative purposes only and it is not intended to detail the building construction. The WBS project specific specification must be followed & read in conjunction with detail drawings.

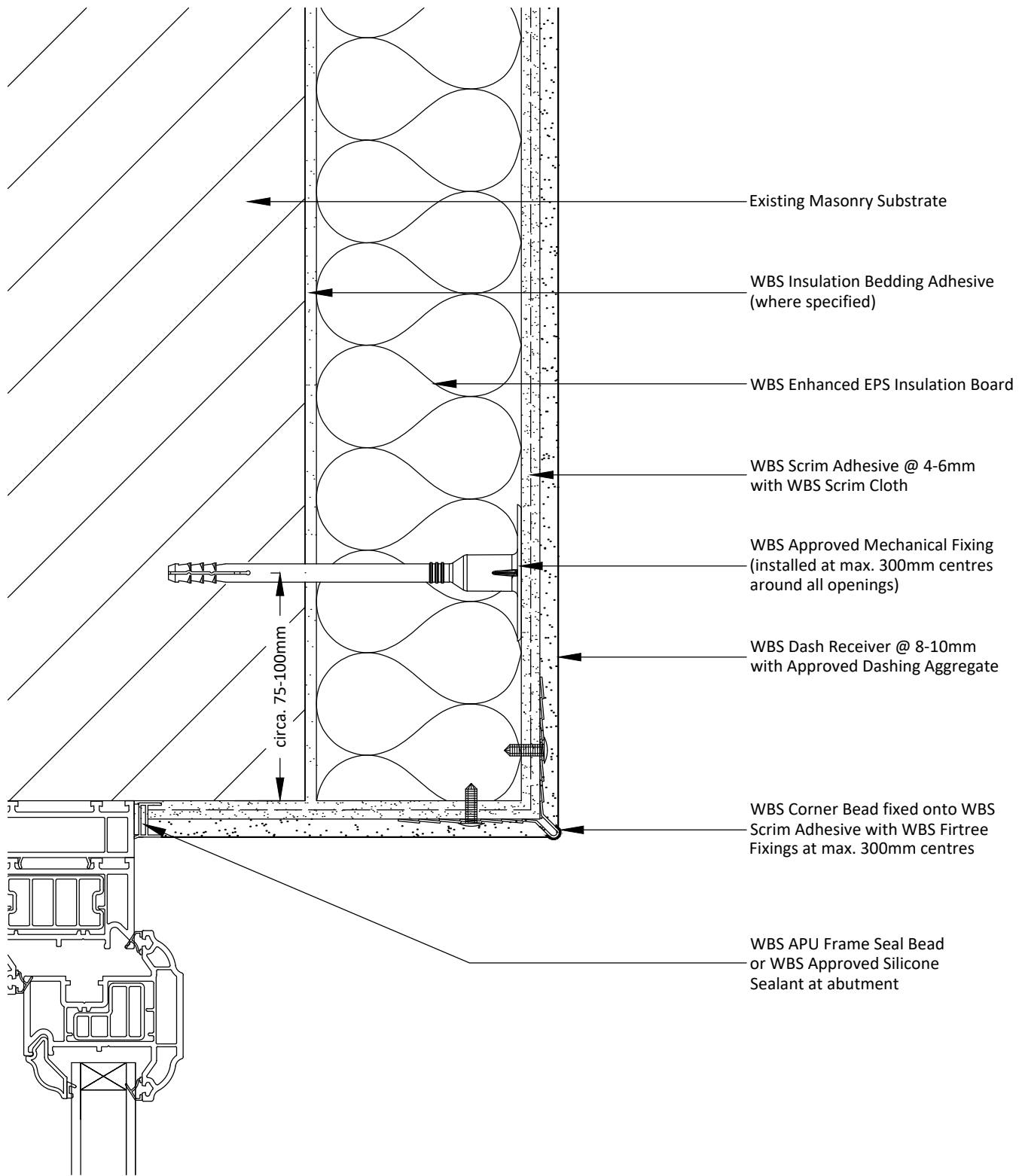


**Notes:**

- 1 - Additional fixings to be installed at max. 300mm centres around all openings.
- 2 - Insulation to oversail onto window frame by min. 20mm.
- 3 - WBS APU Frame Seal Bead can be used as an alternative to WBS Approved Silicone Sealant.
- 4 - WBS Sealing Tape must be installed at the junction between the insulation board and window cill.
- 5 - Fire Barriers may be required around openings subject to project specific design/requirements.


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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Reveal Detail C (Insulated)	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-2003	Drawing Set: 01		

Note: The intent of this drawing is to show the correct application of WBS products and systems only. All other building elements are shown for illustrative purposes only and it is not intended to detail the building construction. The WBS project specific specification must be followed & read in conjunction with detail drawings.

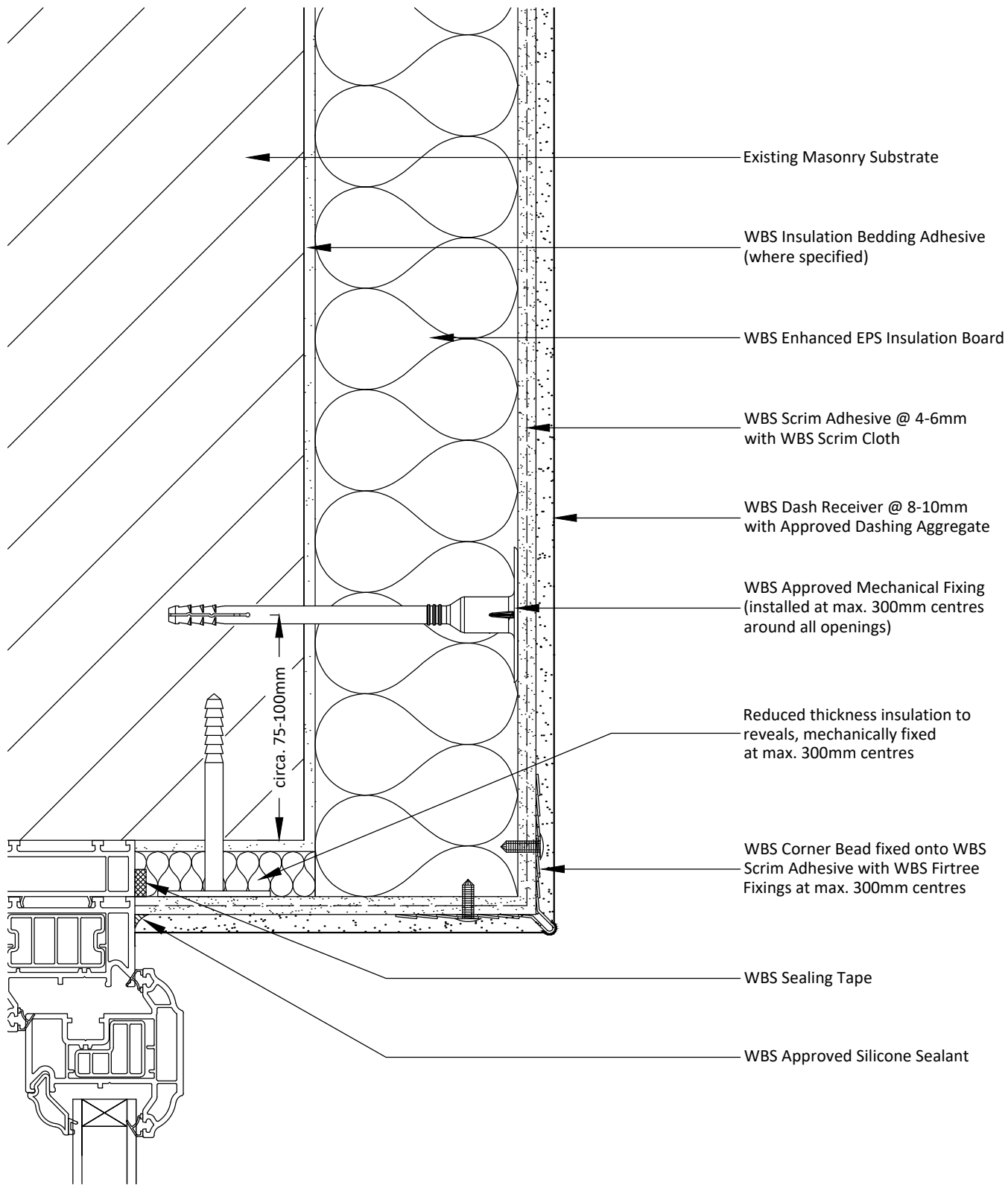


**Notes:**

- 1 - Additional fixings to be installed at max. 300mm centres around all openings.
- 2 - Detail creates a potential cold bridge. To be assessed and agreed specific to individual property.
- 3 - Fire Barriers may be required around openings subject to project specific design/requirements.
- 4 - Detail may not be acceptable on PAS projects due to potential cold bridge.


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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Head Detail A (Non-Insulated)	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-2004	Drawing Set: 01		

Note: The intent of this drawing is to show the correct application of WBS products and systems only. All other building elements are shown for illustrative purposes only and it is not intended to detail the building construction. The WBS project specific specification must be followed & read in conjunction with detail drawings.

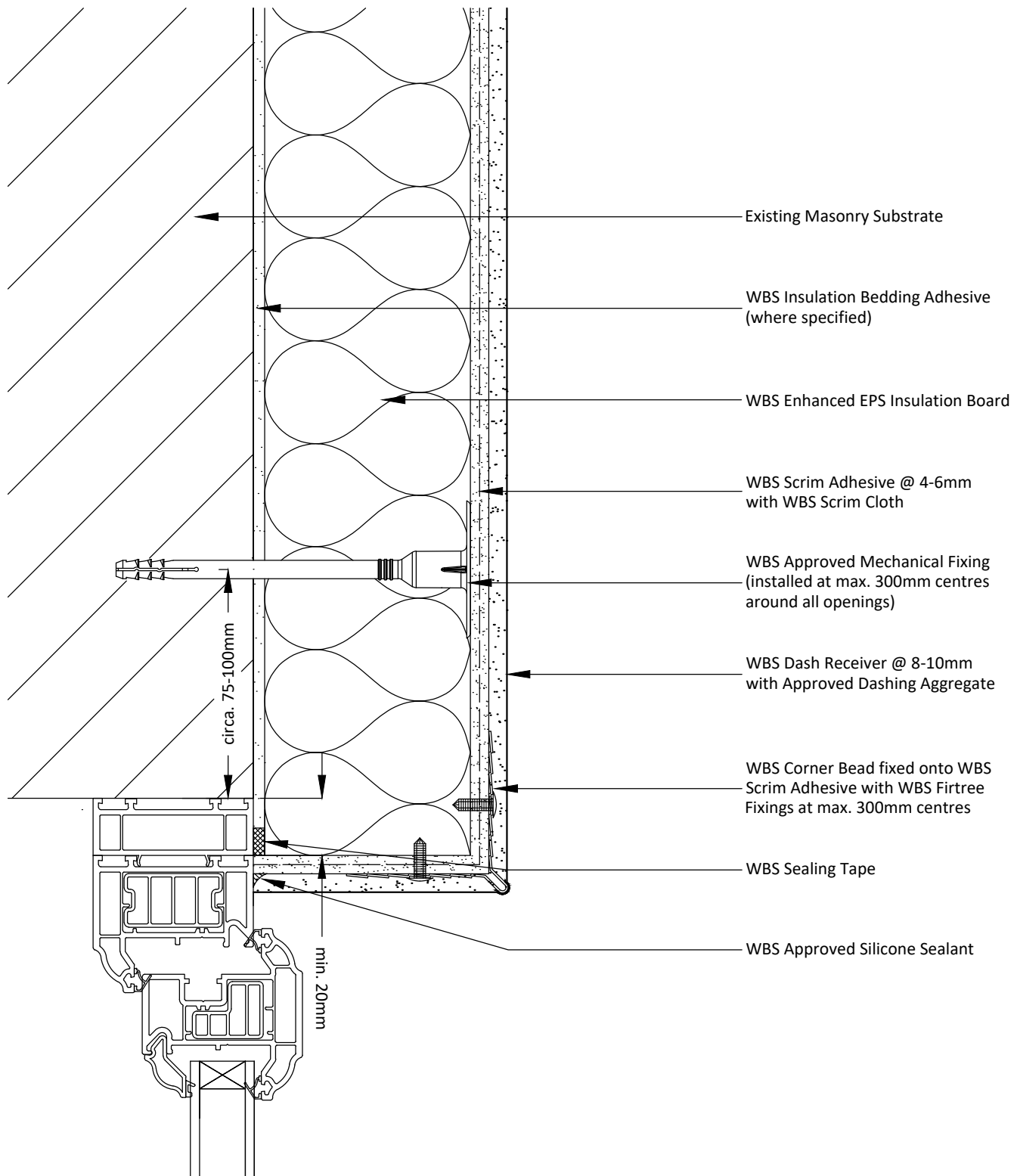


**Notes:**

- 1 - Additional fixings to be installed at max. 300mm centres around all openings.
- 2 - WBS APU Frame Seal Bead can be used as an alternative to WBS Approved Silicone Sealant.
- 3 - Fire Barriers may be required around openings subject to project specific design/requirements.


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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Head Detail B (Insulated)	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-2005	Drawing Set: 01		

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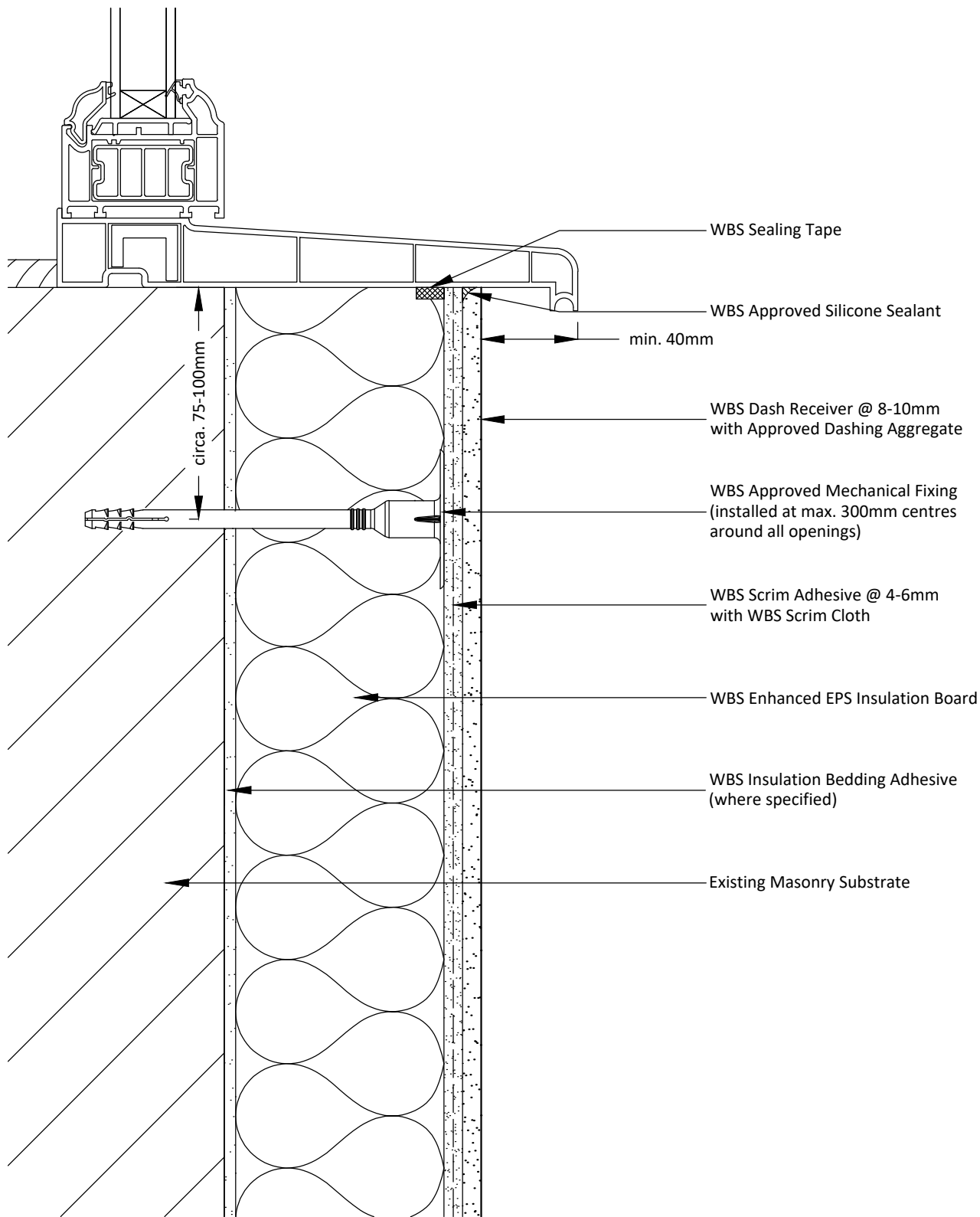


**Notes:**

- 1 - Additional fixings to be installed at max. 300mm centres around all openings.
- 2 - Insulation to oversail onto window frame by min. 20mm.
- 3 - WBS APU Frame Seal Bead can be used as an alternative to WBS Approved Silicone Sealant.
- 4 - Fire Barriers may be required around openings subject to project specific design/requirements.


Project Name:	Drawn by: N.K	Wetherby Building Systems Ltd	 <p>1 Kid Glove Road, Golborne, WA3 3GS          Tel: 01942 717100 Fax: 01942 717101          Web: www.wbs-ltd.co.uk          E-mail: technical@wbs-ltd.co.uk          © WBS-LTD 1998-2024. All rights reserved</p>
Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Head Detail C (Insulated)	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-2006	Drawing Set: 01		

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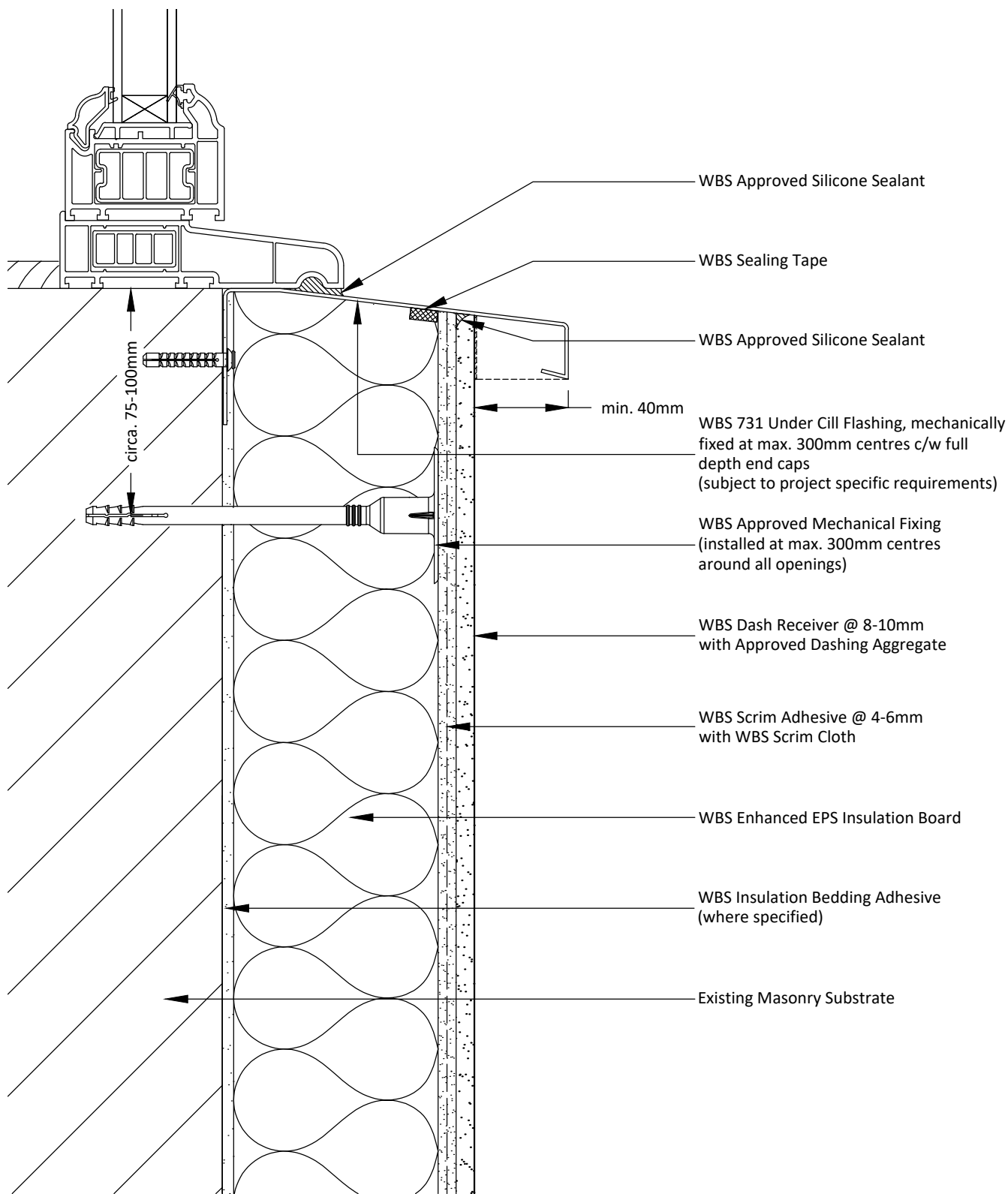
**Notes:**

- 1 - Additional fixings to be installed at max. 300mm centres around all openings.
- 2 - Ensure any existing window weep/drainage holes are not blocked, or install new weep/drainage holes.
- 3 - Fire Barriers may be required around openings subject to project specific design/requirements.

Project Name:	Drawn by: N.K	Wetherby Building Systems Ltd	 <p>1 Kid Glove Road, Golborne, WA3 3GS          Tel: 01942 717100 Fax: 01942 717101          Web: www.wbs-ltd.co.uk          E-mail: technical@wbs-ltd.co.uk          © WBS-LTD 1998-2024. All rights reserved</p>
Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Window Cill Detail	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-2007	Drawing Set: 01		

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**Notes:**

- 1 - Additional fixings to be installed at max. 300mm centres around all openings.
- 2 - Ensure any existing window weep/drainage holes are not blocked, or install new weep/drainage holes.
- 3 - Fire Barriers may be required around openings subject to project specific design/requirements.

Project Name:

Typical Details - Enhanced EPS with Dashing Render

Drawing Title:

Under Cill Detail

Drawing No:

WBS-EWI-M-DF-EPS-DAS-2008

Drawn by: N.K

Checked by: D.N

Revision: -

Scale: NTS

Date: 24.05.2024

Drawing Set: 01

Wetherby Building Systems Ltd



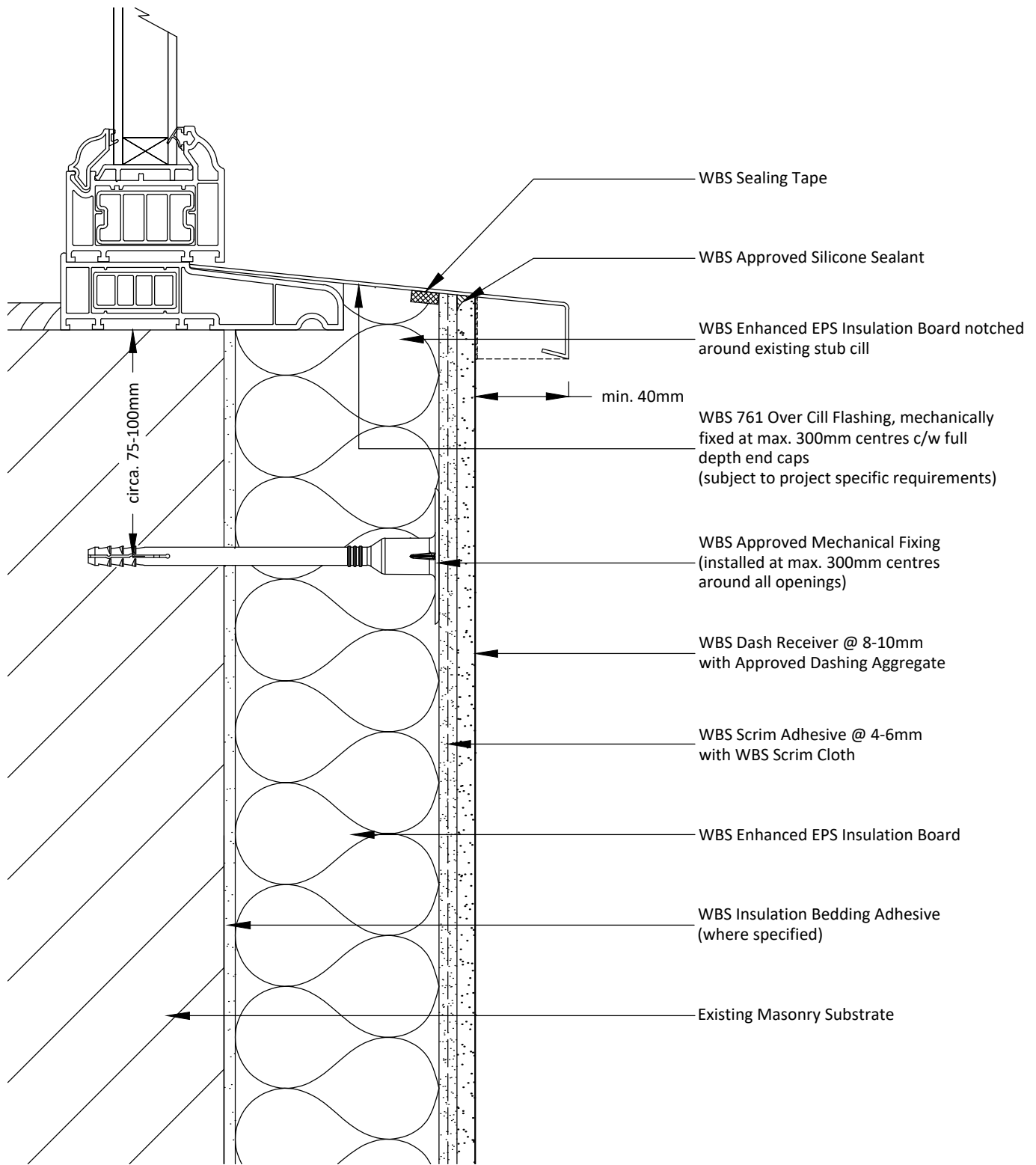
1 Kid Glove Road, Golborne, WA3 3GS  
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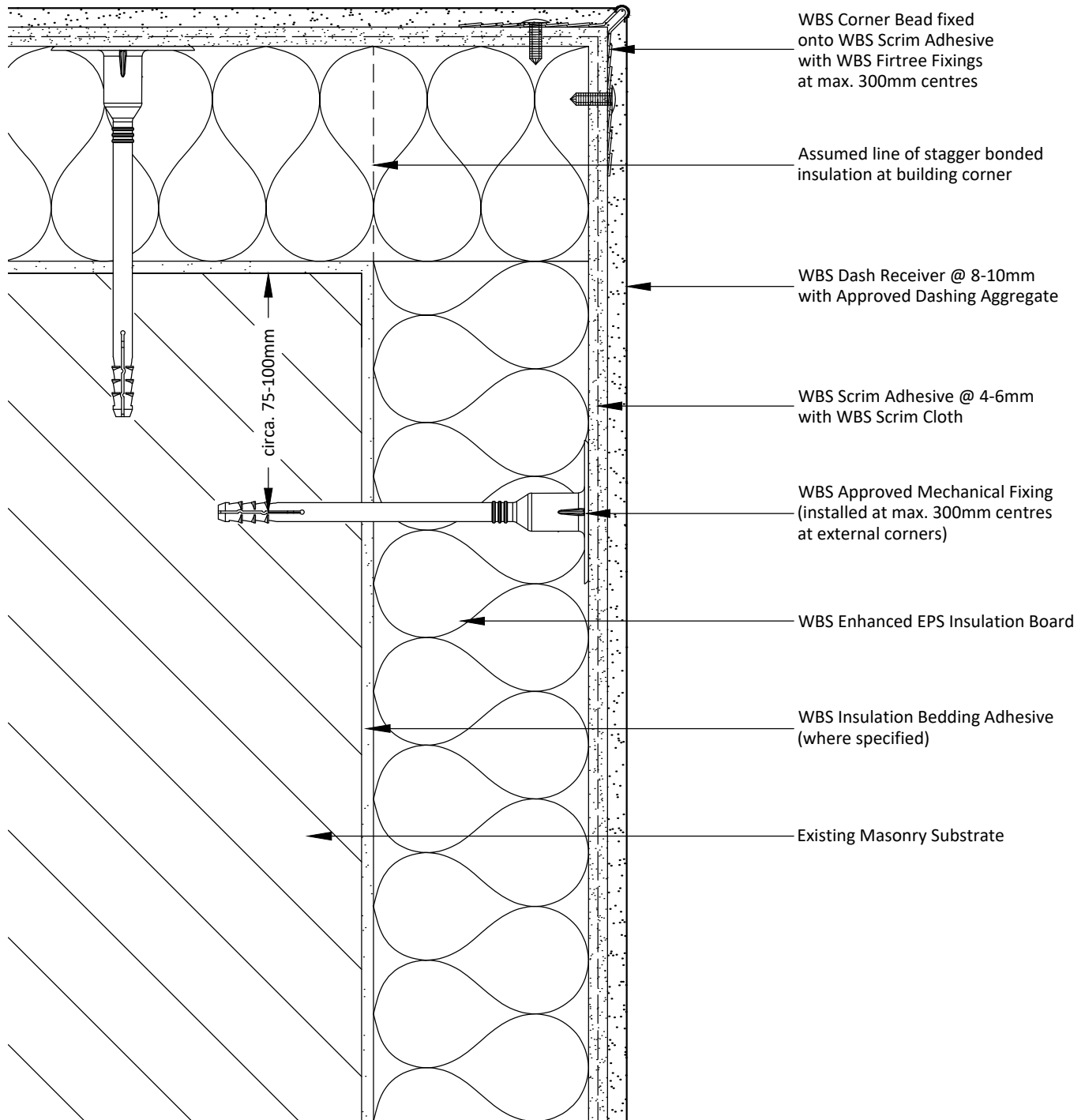


**Notes:**

- 1 - Additional fixings to be installed at max. 300mm centres around all openings.
- 2 - Ensure any existing window weep/drainage holes are not blocked, or install new weep/drainage holes.
- 3 - Fire Barriers may be required around openings subject to project specific design/requirements.
- 4 - Minimum 50mm horns required for new over cill flashing.


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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Over Cill Detail	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-2009	Drawing Set: 01		

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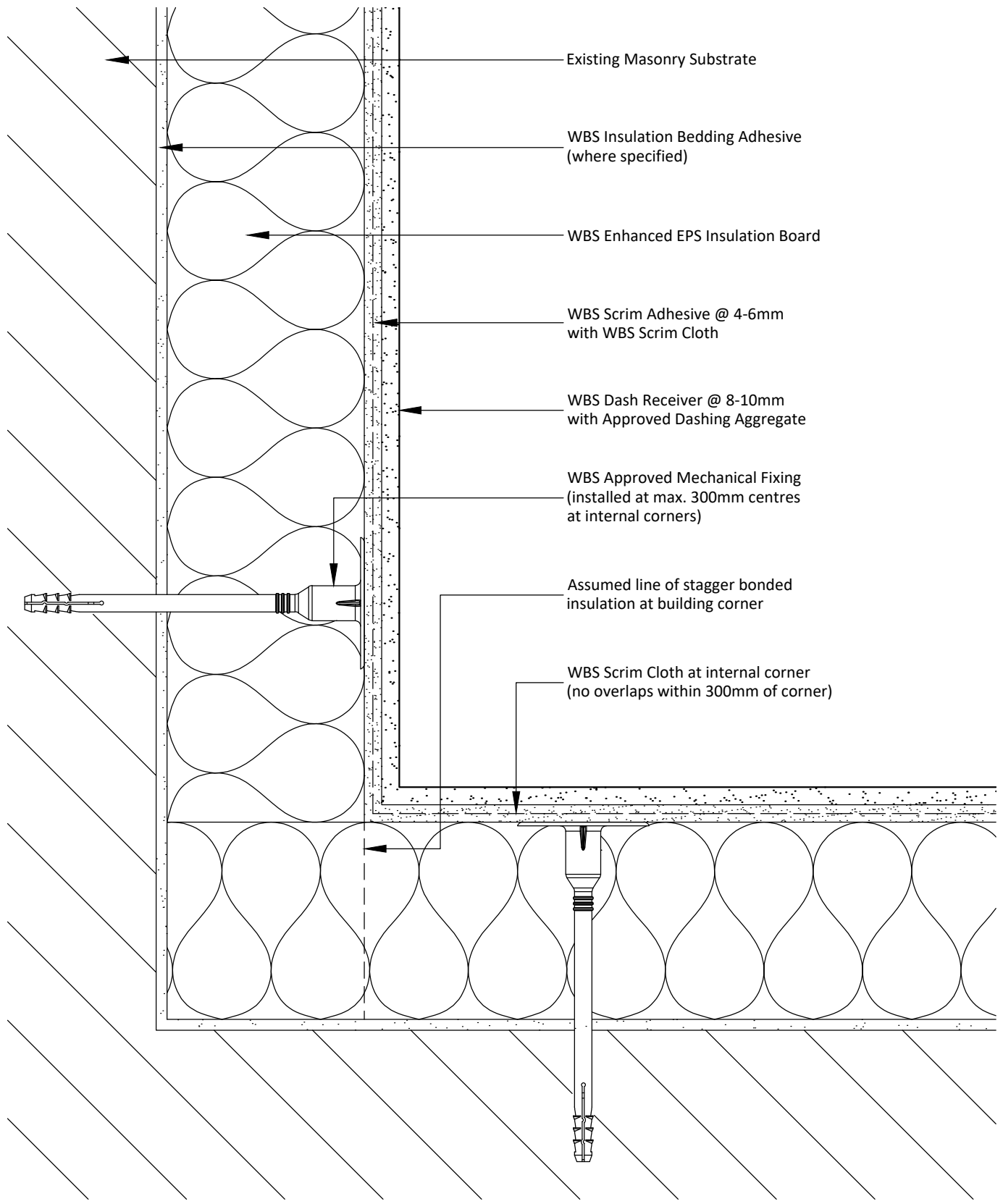


**Notes:**

1 - Additional fixings to be installed at max. 300mm centres at all external corners.


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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
External Corner Detail	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-3000	Drawing Set: 01		

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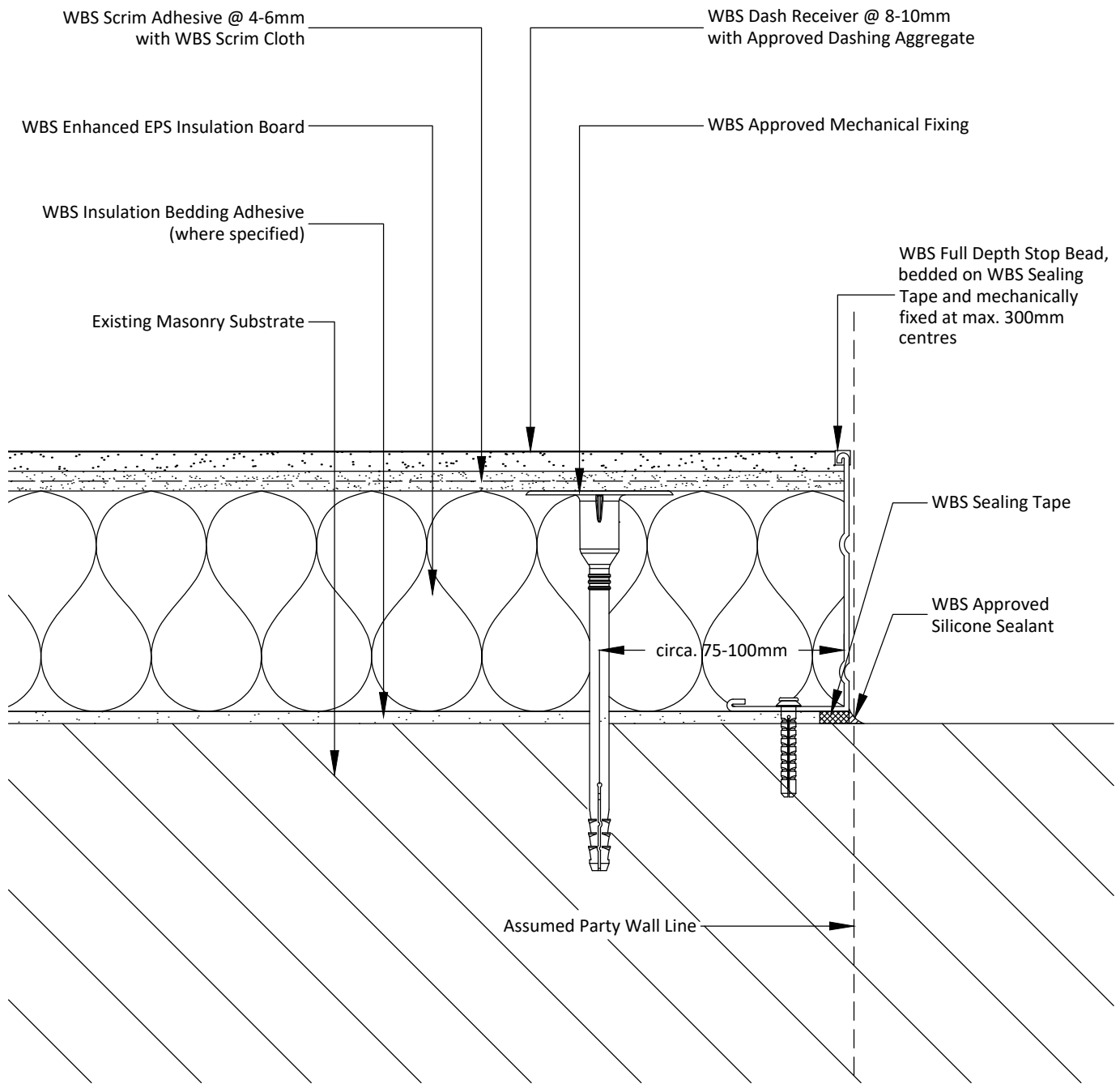


**Notes:**

1 - Additional fixings to be installed at max. 300mm centres at all internal corners.


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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Internal Corner Detail	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-3001	Drawing Set: 01		

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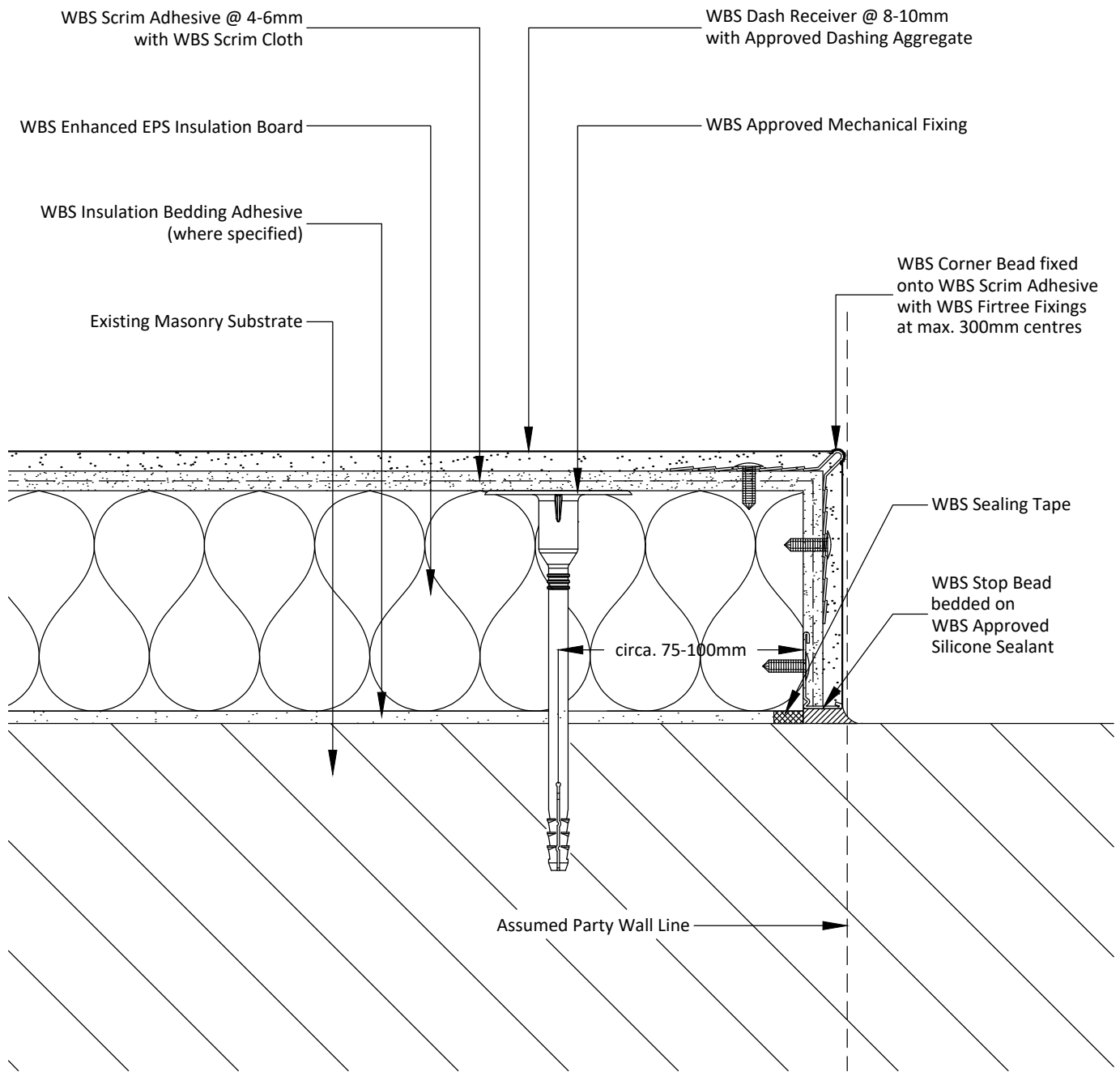


**Notes:**

- 1 - Additional fixings to be installed at max. 300mm centres at vertical terminations.
- 2 - Detail creates a potential cold bridge. To be assessed and agreed specific to individual property.
- 3 - Fire Barriers may be required at party wall subject to project specific design/requirements.


Project Name:	Drawn by: N.K	Wetherby Building Systems Ltd	 <p>1 Kid Glove Road, Golborne, WA3 3GS          Tel: 01942 717100 Fax: 01942 717101          Web: www.wbs-ltd.co.uk          E-mail: technical@wbs-ltd.co.uk          © WBS-LTD 1998-2024. All rights reserved</p>
Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Vertical Termination Detail A	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-3002	Drawing Set: 01		

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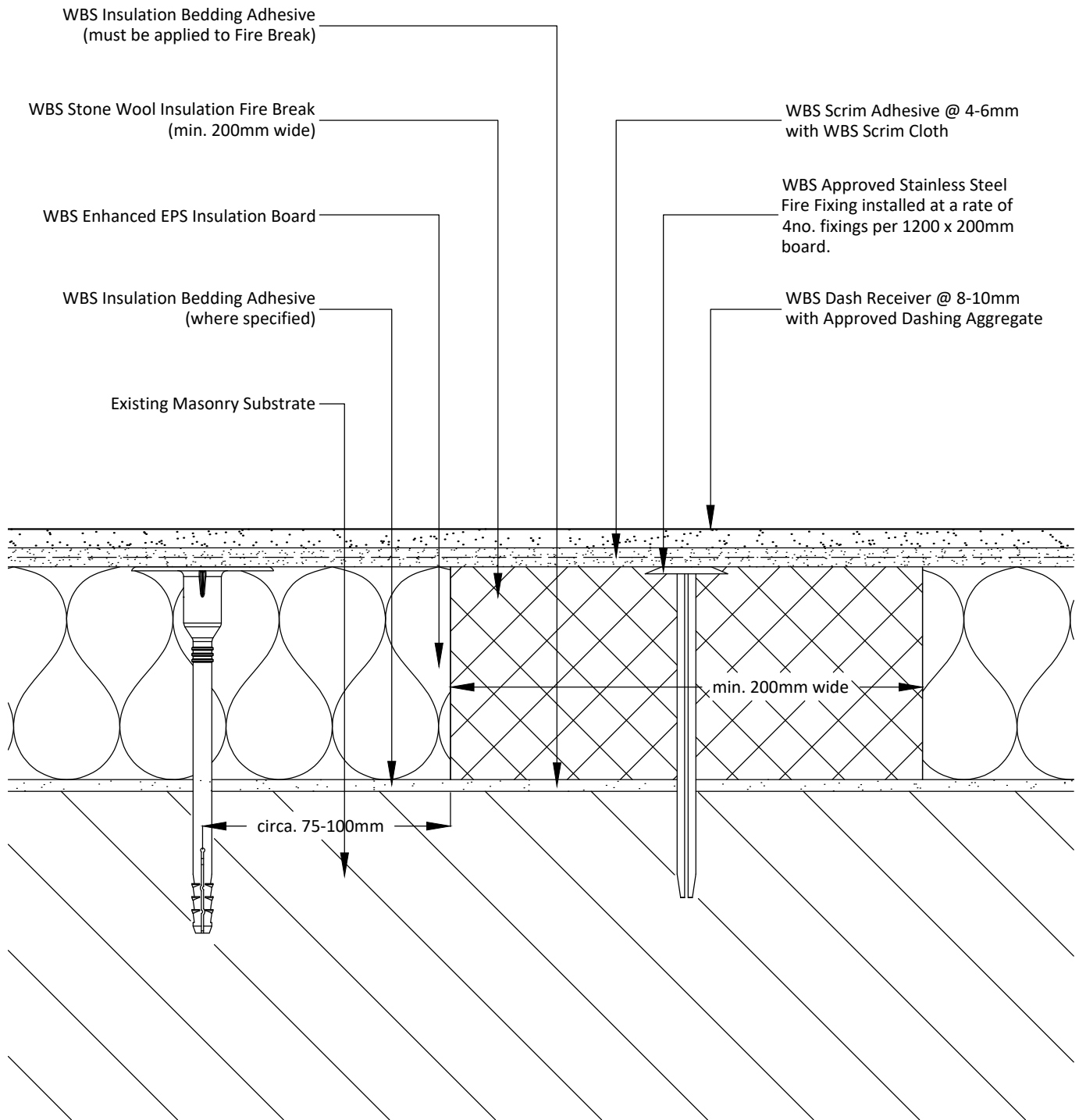
**Notes:**

- 1 - Additional fixings to be installed at max. 300mm centres at vertical terminations.
- 2 - Detail creates a potential cold bridge. To be assessed and agreed specific to individual property.
- 3 - Fire Barriers may be required at party wall subject to project specific design/requirements.

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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Vertical Termination Detail B	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-3003	Drawing Set: 01		


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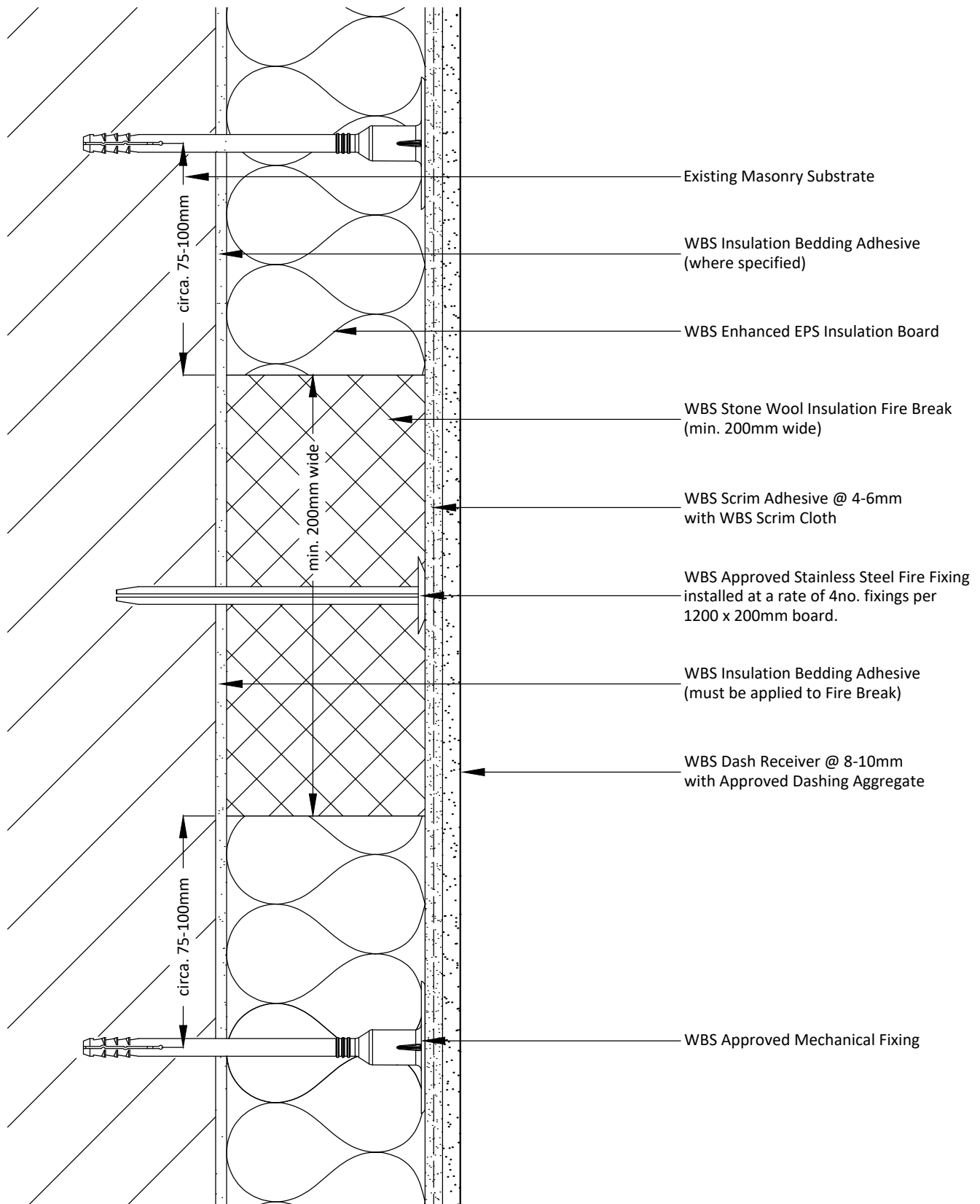


**Notes:**


1 - WBS Stone Wool Insulation Fire Break must always be adhesively and mechanically fixed.

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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Vertical Fire Break Detail	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-3004	Drawing Set: 01		

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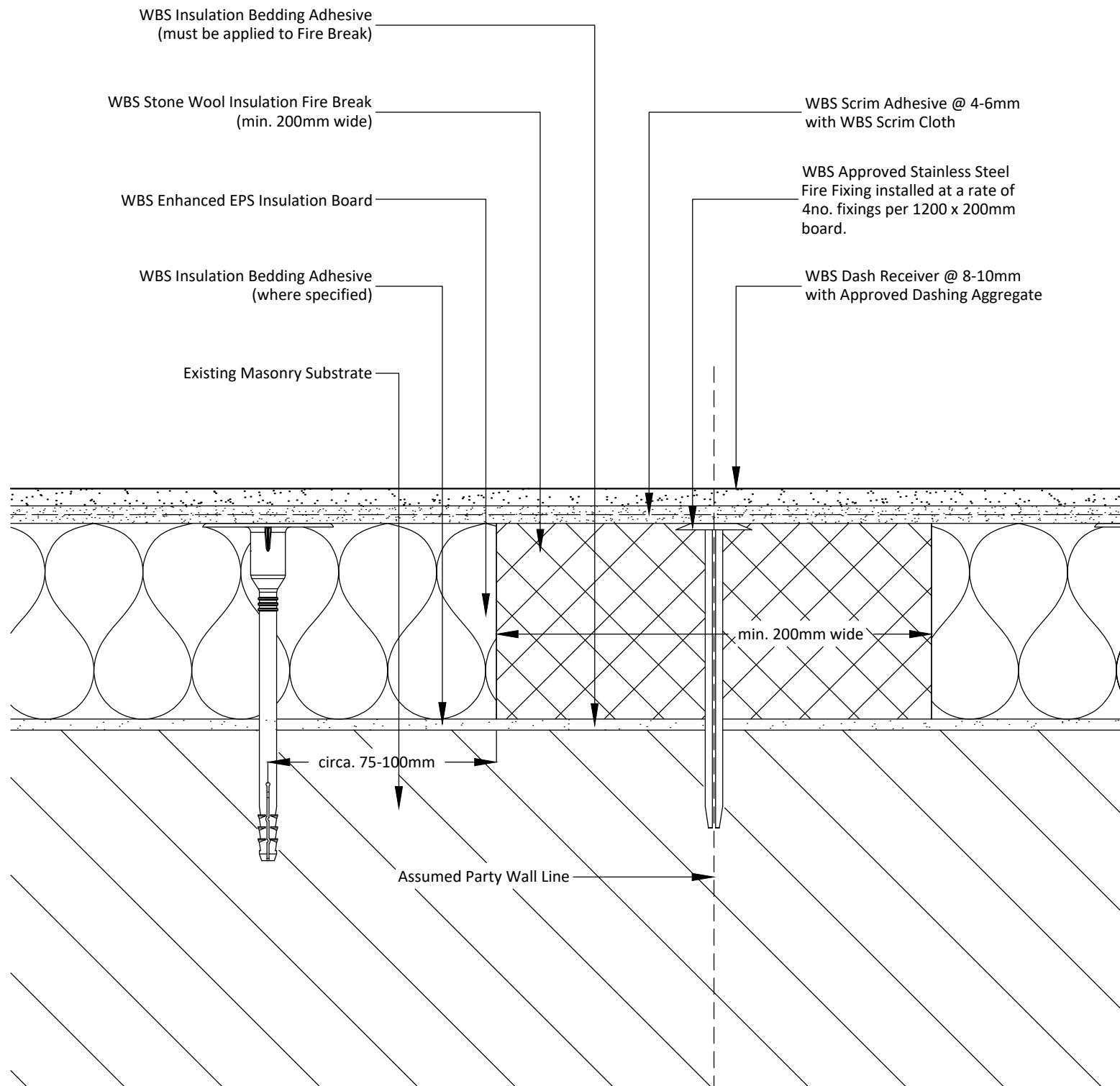


**Notes:**  
 1 - WBS Stone Wool Insulation Fire Break must always be adhesively and mechanically fixed.

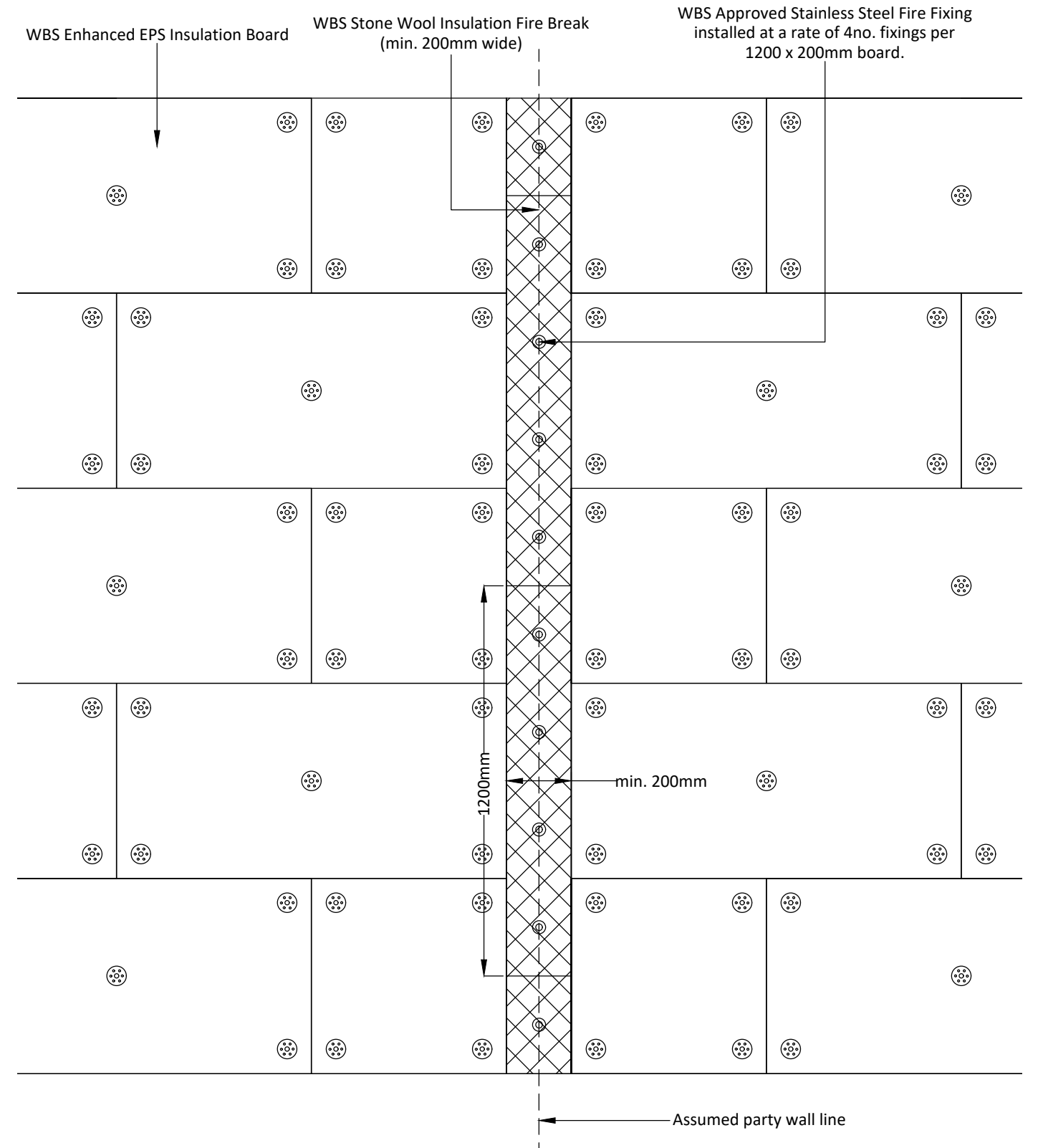
Project Name:	Drawn by: N.K	Wetherby Building Systems Ltd  1 Kid Glove Road, Golborne, WA3 3GS Tel: 01942 717100 Fax: 01942 717101 Web: www.wbs-ltd.co.uk E-mail: technical@wbs-ltd.co.uk © WBS-LTD 1998-2024. All rights reserved
Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N	
Drawing Title:	Revision: -	
Horizontal Fire Break Detail	Scale: NTS	
Drawing No:	Date: 24.05.2024	
WBS-EWI-M-DF-EPS-DAS-3005	Drawing Set: 01	

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## PLAN VIEW THROUGH SYSTEM




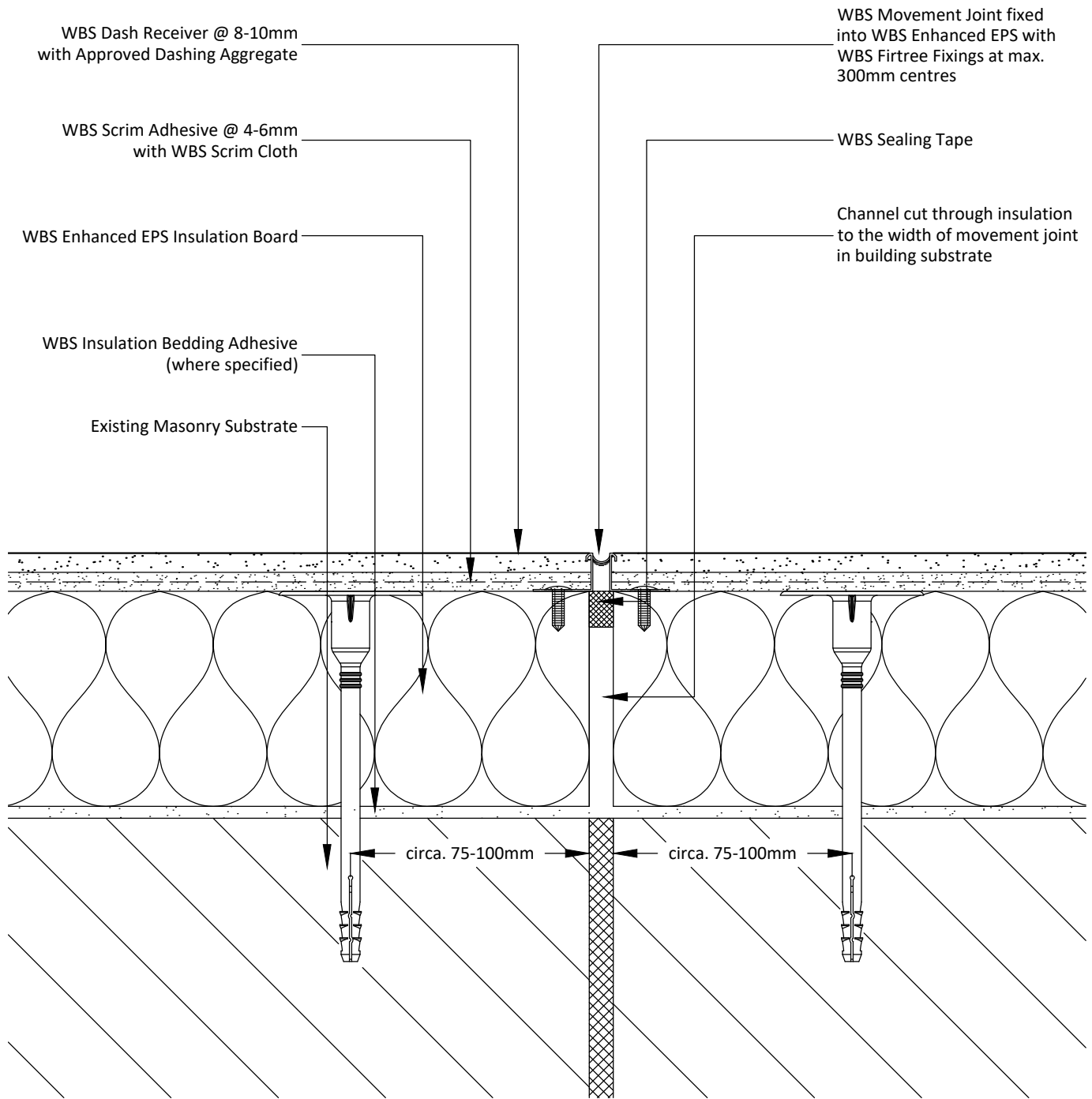
## TYPICAL ELEVATION LAYOUT



### Notes:

- 1 - Fixing pattern for WBS Enhanced EPS Insulation Board shown indicatively only - always refer to project specific fixing pattern.
- 2 - Minimum 200mm insulation bond overlap.
- 3 - WBS Stone Wool Insulation Fire Break must always be adhesively and mechanically fixed.

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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N	
Drawing Title:	Revision: -	
Party Wall Fire Break Detail A	Scale: NTS	
Drawing No:	Date: 24.05.2024	
WBS-EWI-M-DF-EPS-DAS-3006	Drawing Set: 01	



**Notes:**

- 1 - All existing structural movement must be replicated in the EWI system.
- 2 - Additional fixings to be installed at max. 300mm centres at vertical movement joints.

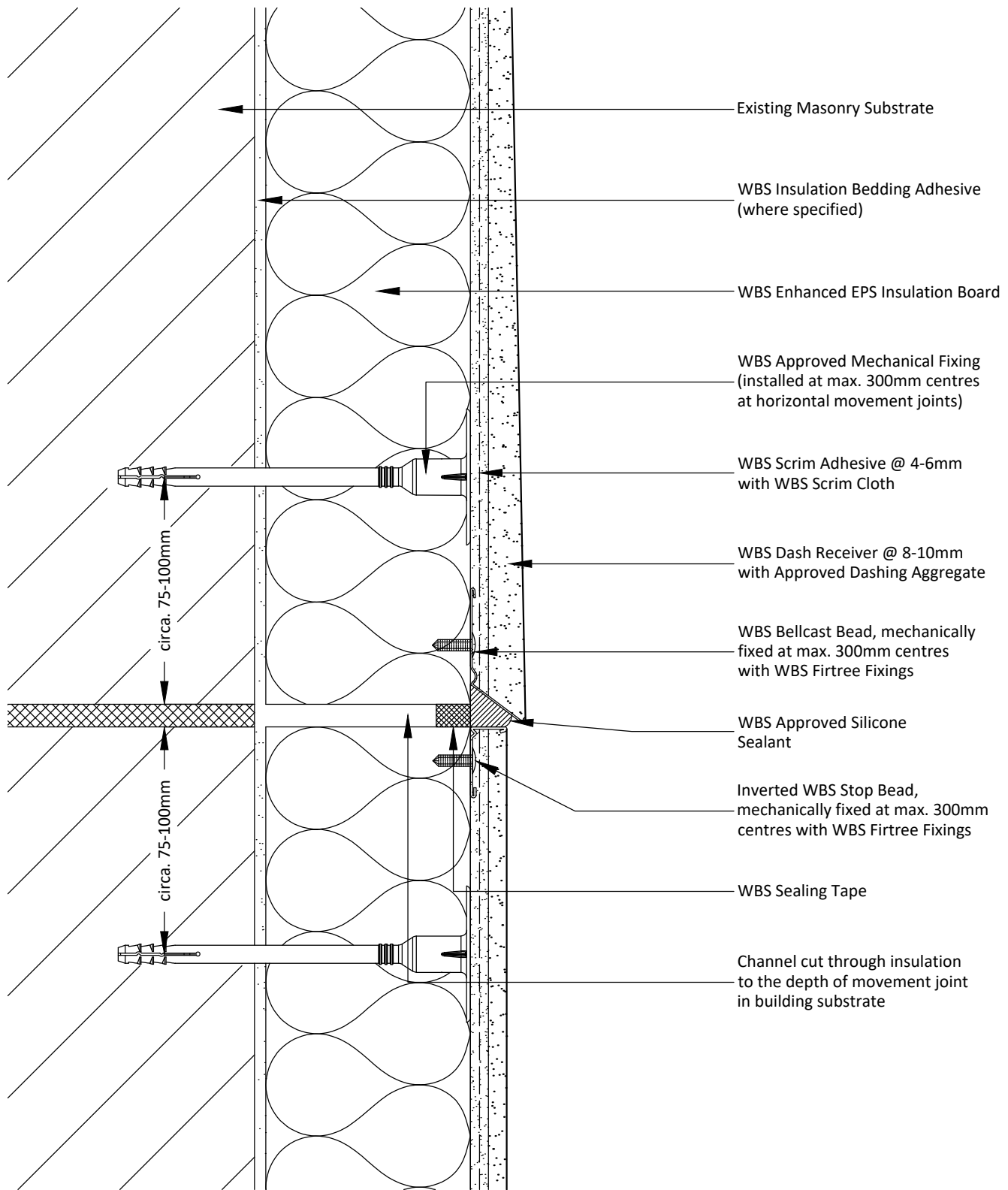
Project Name:	Drawn by: N.K
Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N
Drawing Title:	Revision: -
Vertical Movement Joint Detail	Scale: NTS
Drawing No:	Date: 24.05.2024
WBS-EWI-M-DF-EPS-DAS-4000	Drawing Set: 01

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	Revision: -
	Scale: NTS
	Date: 24.05.2024
	Drawing Set: 01




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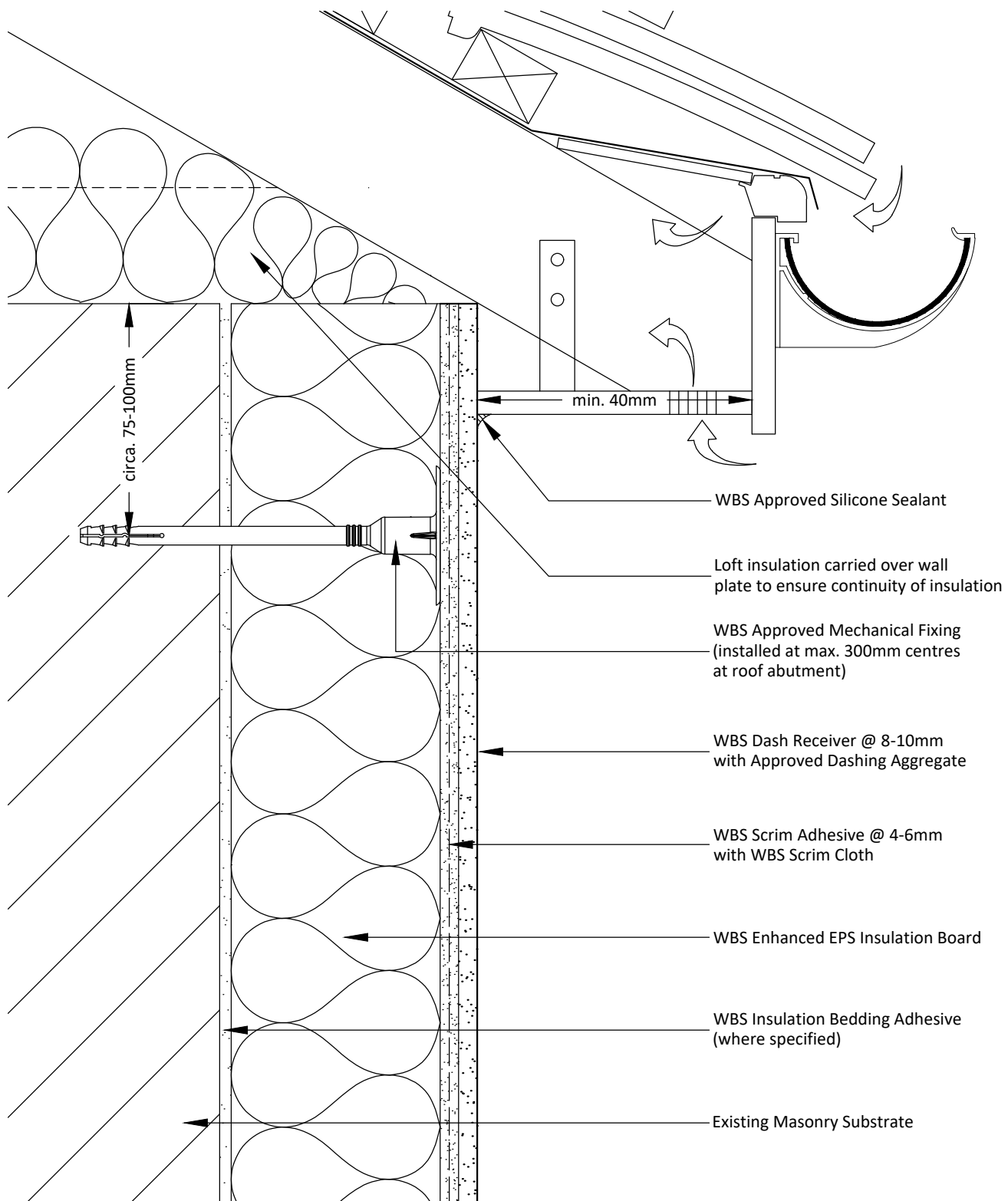


**Notes:**

- 1 - All existing structural movement must be replicated in the EWI system.
- 2 - Dashing render finish must be feathered out to bellcast bead over a minimum distance of 500mm.
- 3 - Additional fixings to be installed at max. 300mm centres at horizontal movement joints.


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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Horizontal Movement Joint Detail	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-4001	Drawing Set: 01		

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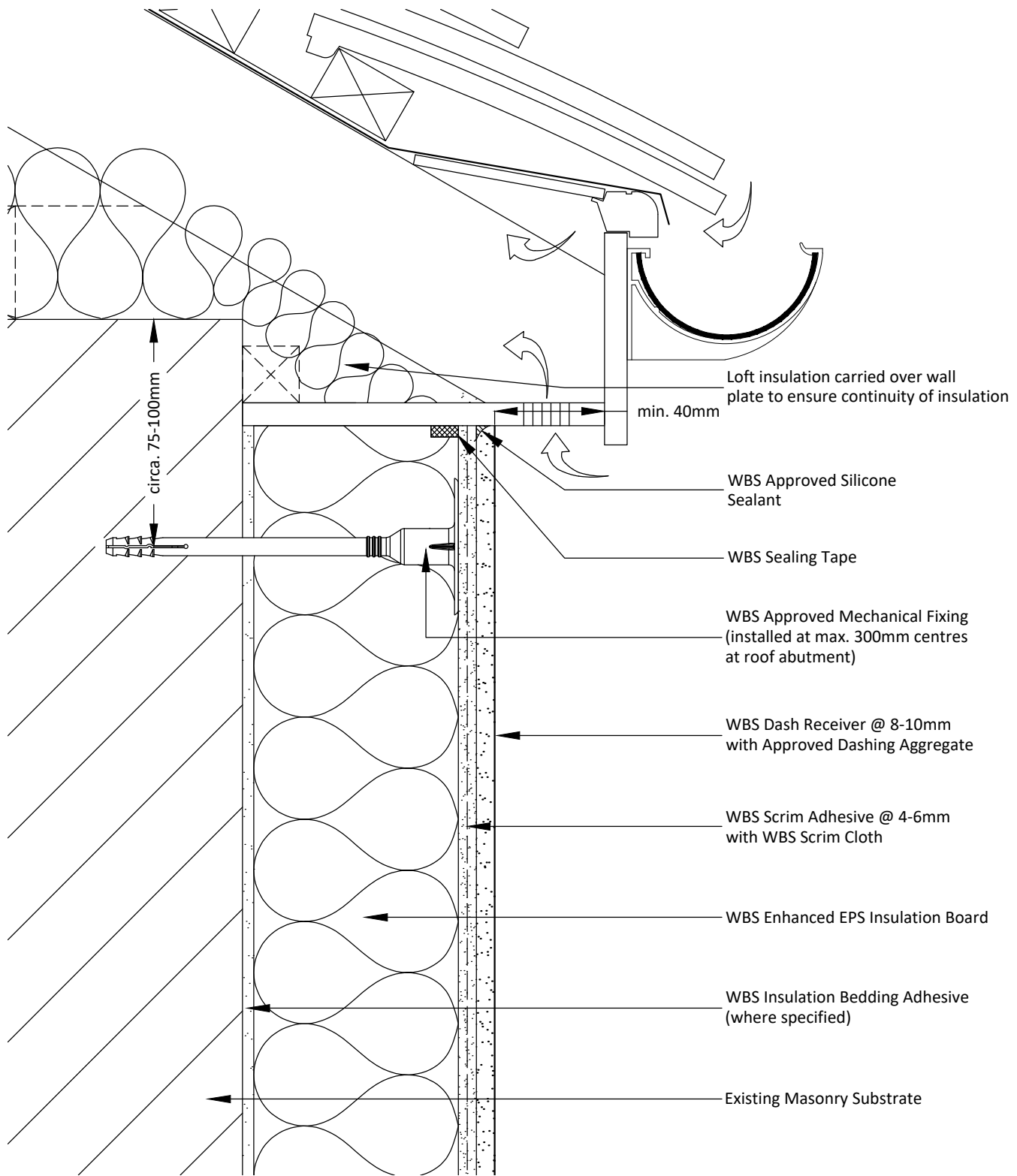
**Notes:**

- 1 - Additional fixings to be installed at max. 300mm centres at roof abutment
- 2 - Loft insulation must be present to reduce cold bridging and to maintain continuity of insulation.
- 3 - Existing ventilation must not be obstructed or must be re-positioned.  
(new soffit to have sufficient ventilation or check for over fascia ventilation)

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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Eaves Detail A	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-5000	Drawing Set: 01		


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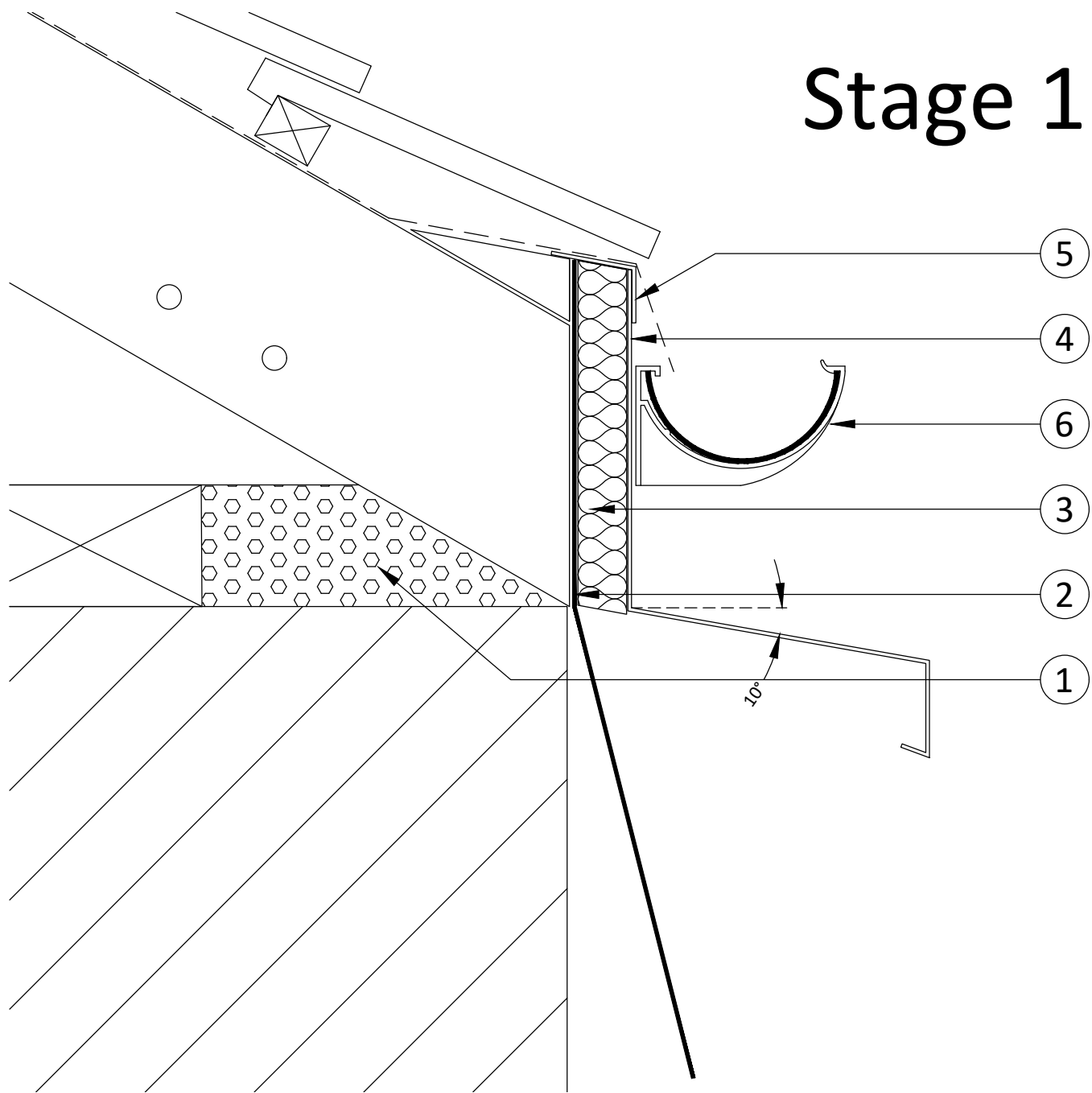
**Notes:**

- 1 - Additional fixings to be installed at max. 300mm centres at horizontal movement joints.
- 2 - Loft insulation must be present to reduce cold bridging and to maintain continuity of insulation.
- 3 - Existing ventilation must not be obstructed or must be re-positioned.  
(existing soffit to have sufficient ventilation retained or check for over fascia ventilation)

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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Eaves Detail B	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-5001	Drawing Set: 01		

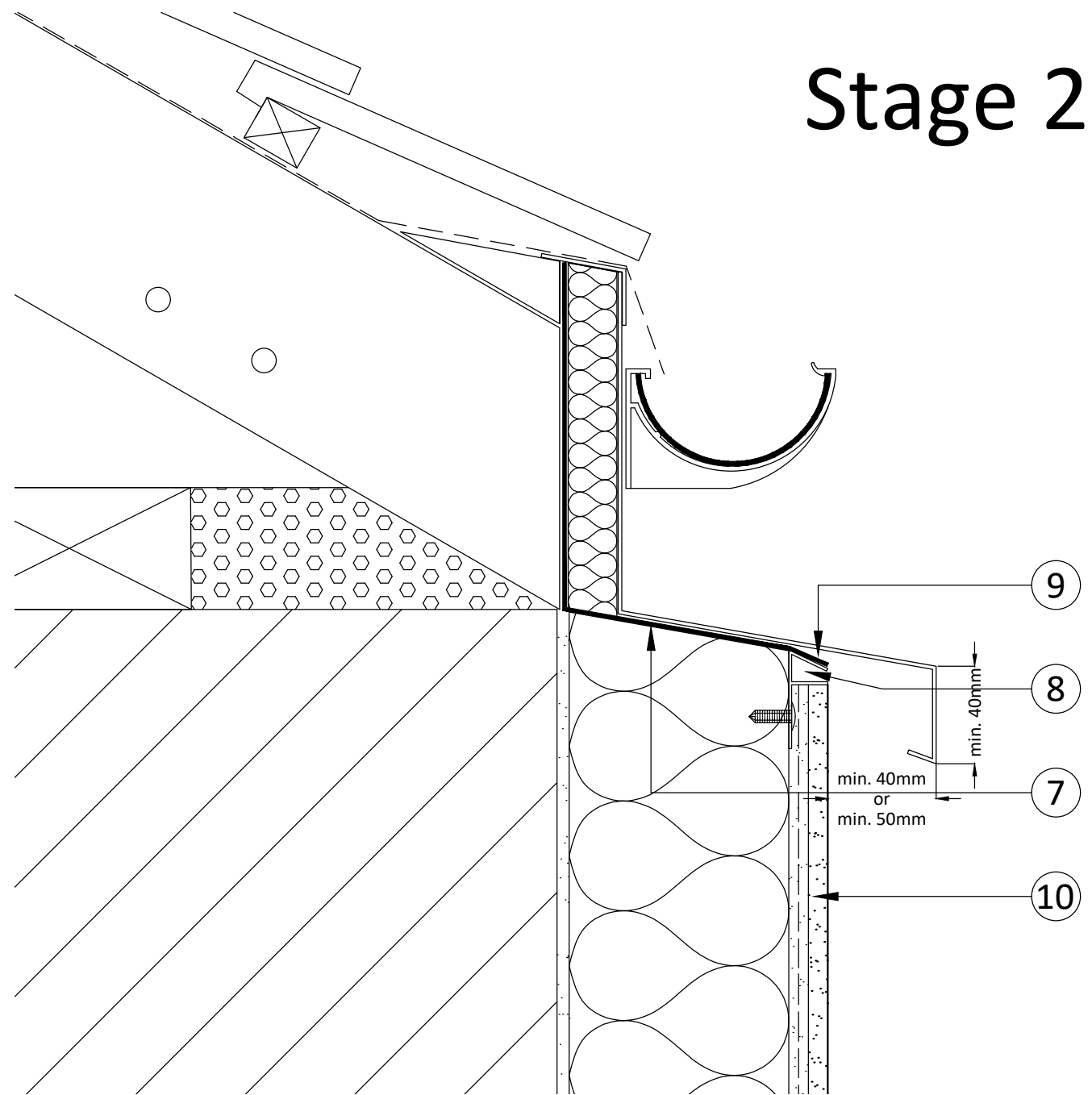
Note: The intent of this drawing is to show the correct application of WBS products and systems only. All other building elements are shown for illustrative purposes only and it is not intended to detail the building construction. The WBS project specific specification must be followed & read in conjunction with detail drawings.

# Stage 1



- 1) Existing fascia and gutter removed, with additional insulation packed between rafter feet.
- 2) Waterproof membrane (with taped joints) fixed to the substrate.
- 3) Thermal insulation, providing min. thermal resistance of 0.6 m2K/W.
- 4) 801 flashing (with min. 10° fall).
- 5) Fascia Angle Flashing dressed under roof membrane.
- 6) Gutter re-fixed through insulated flashing back to substrate and roofing membrane dressed into gutter.


# Stage 2



- 7) EWI insulation board with chamfered top edge offered up to 801 flashing and fixed in place.
- 8) WBS MSB Stop Bead to terminate render and seal waterproof membrane against.
- 9) No seal between underside of 801 flashing and top of membrane to maintain water egress pathway.
- 10) WBS Render System applied as per project specification.

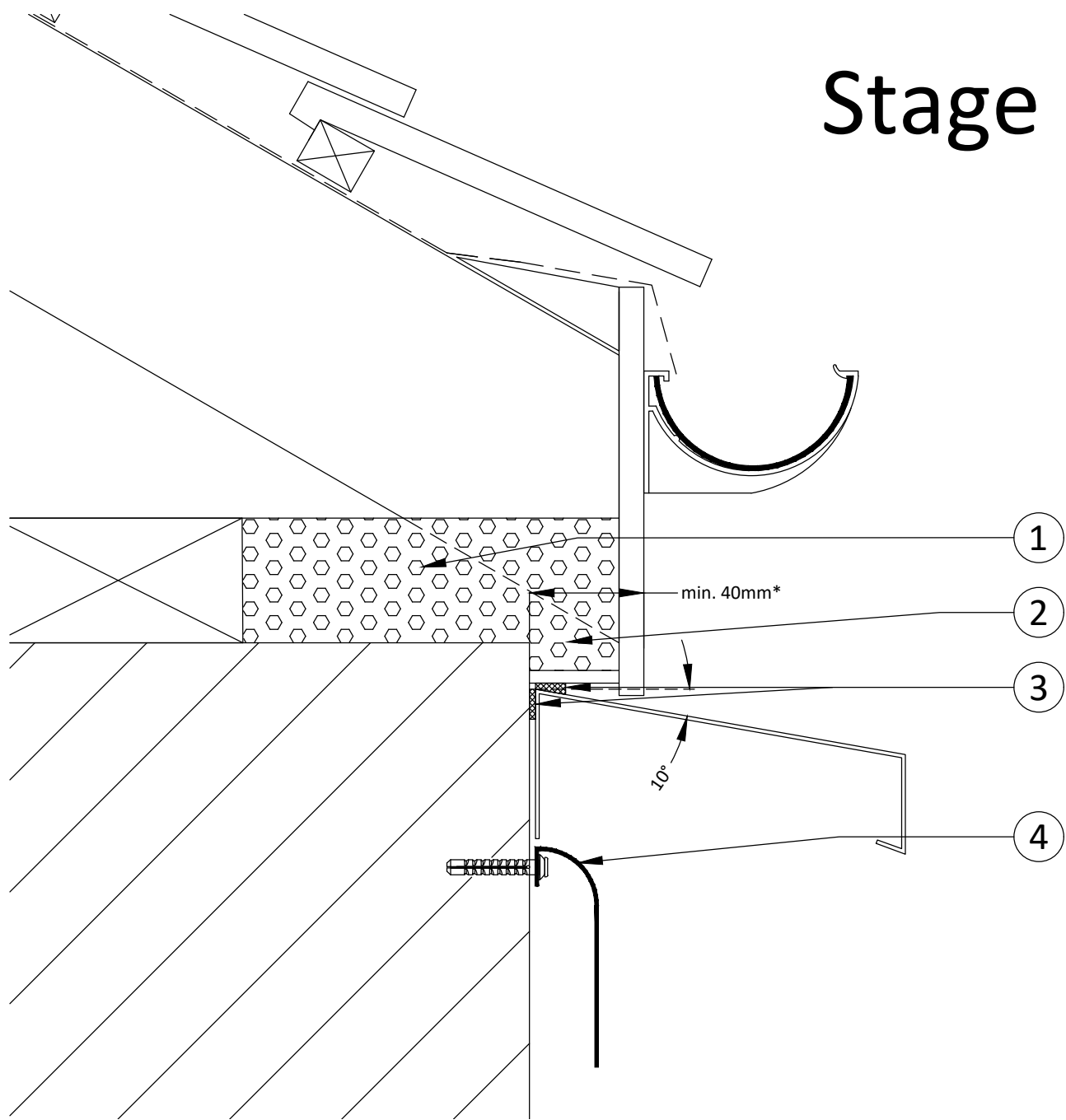
- Notes:**
- 1 - Existing ventilation must not be obstructed or must be re-positioned.
  - 2 - 801 flashing must provide a min. 40mm drip edge from the face of the finished render.
  - 3 - In severe/very severe exposure zones, drip edge should be increased to min. 50mm.
  - 4 - All joints in the 801 flashing must incorporate jointing pieces, extending min. 40mm on either side of the joint.
  - 5 - All joints in the 801 flashing must be offset by min. 100mm from joints in the waterproof membrane.
  - 6 - End caps must be used where the 801 flashing terminates.
  - 7 - Alternative solutions incorporating a secondary metal flashing in lieu of the waterproof membrane are available on request, contact Wetherby Technical Department for further guidance.

## Roofline Closure System - Eaves Detail A1

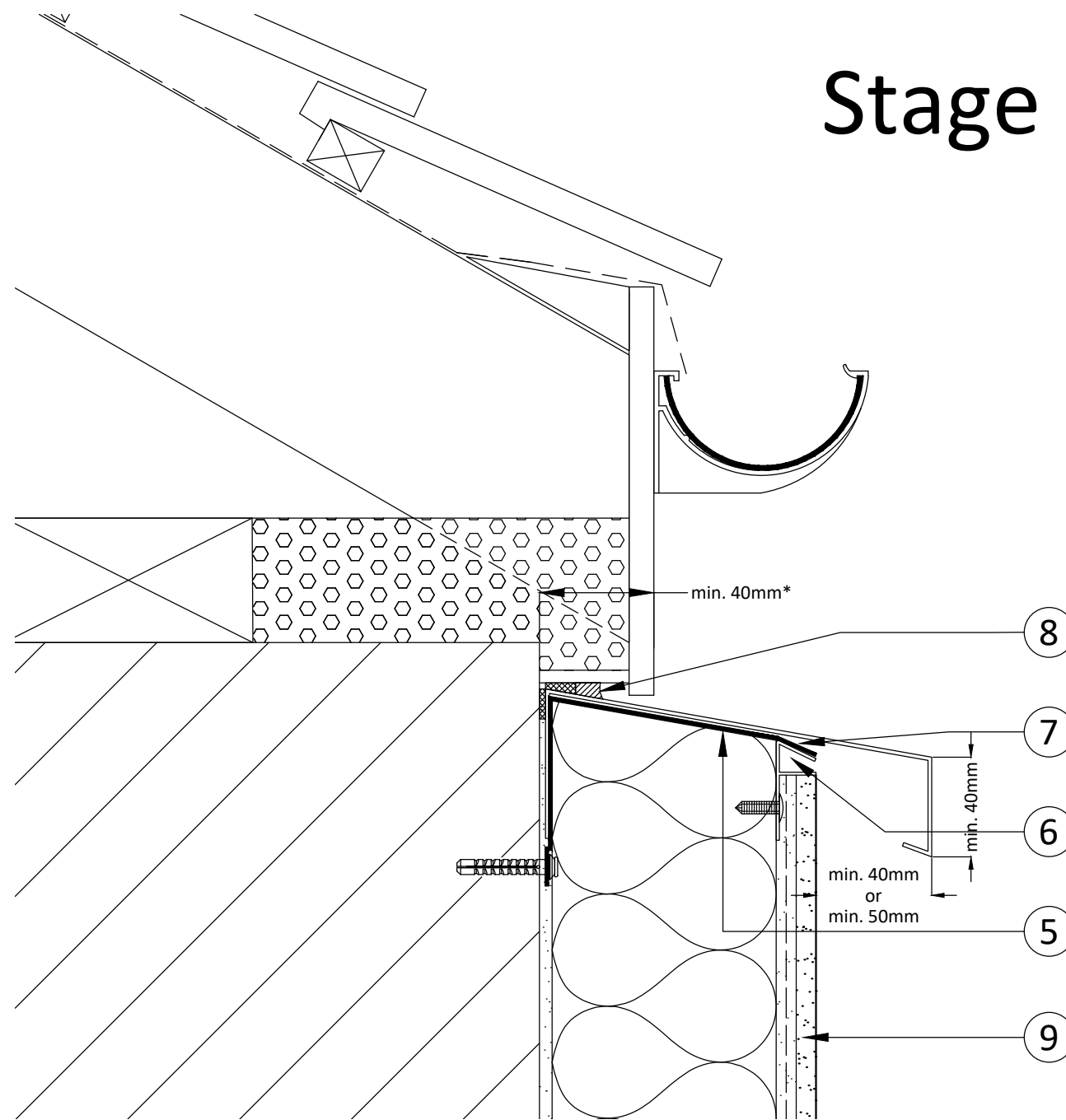
Project Name:	Drawn by: N.K	 Wetherby Building Systems Ltd 1 Kid Glove Road, Golborne, WA3 3GS Tel: 01942 717100 Fax: 01942 717101 Web: www.wbs-ltd.co.uk E-mail: technical@wbs-ltd.co.uk © WBS-LTD 1998-2023. All rights reserved
Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N	
Drawing Title:	Revision: -	
Eaves Detail A1 - Insulated Fascia Profile M	Scale: NTS	
Drawing No:	Date: 24.05.2024	
WBS-EWI-M-DF-EPS-DAS-5002	Drawing Set: 01	

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# Stage 1



# Stage 2




- 1) Existing fascia detail checked to ensure existing insulation present between rafter feet.  
\* (In severe/very severe exposure zones, minimum existing roof overhang must be 50mm)
- 2) Insulation must be present within soffit to reduce cold bridging. Existing ventilation must not be obstructed or must be re-positioned.
- 3) 771 flashing (with min 10° fall), fully compressing WBS Sealing Tape at the top and rear of the flashing.
- 4) Waterproof membrane (with taped joints) fixed to substrate below 771 flashing.

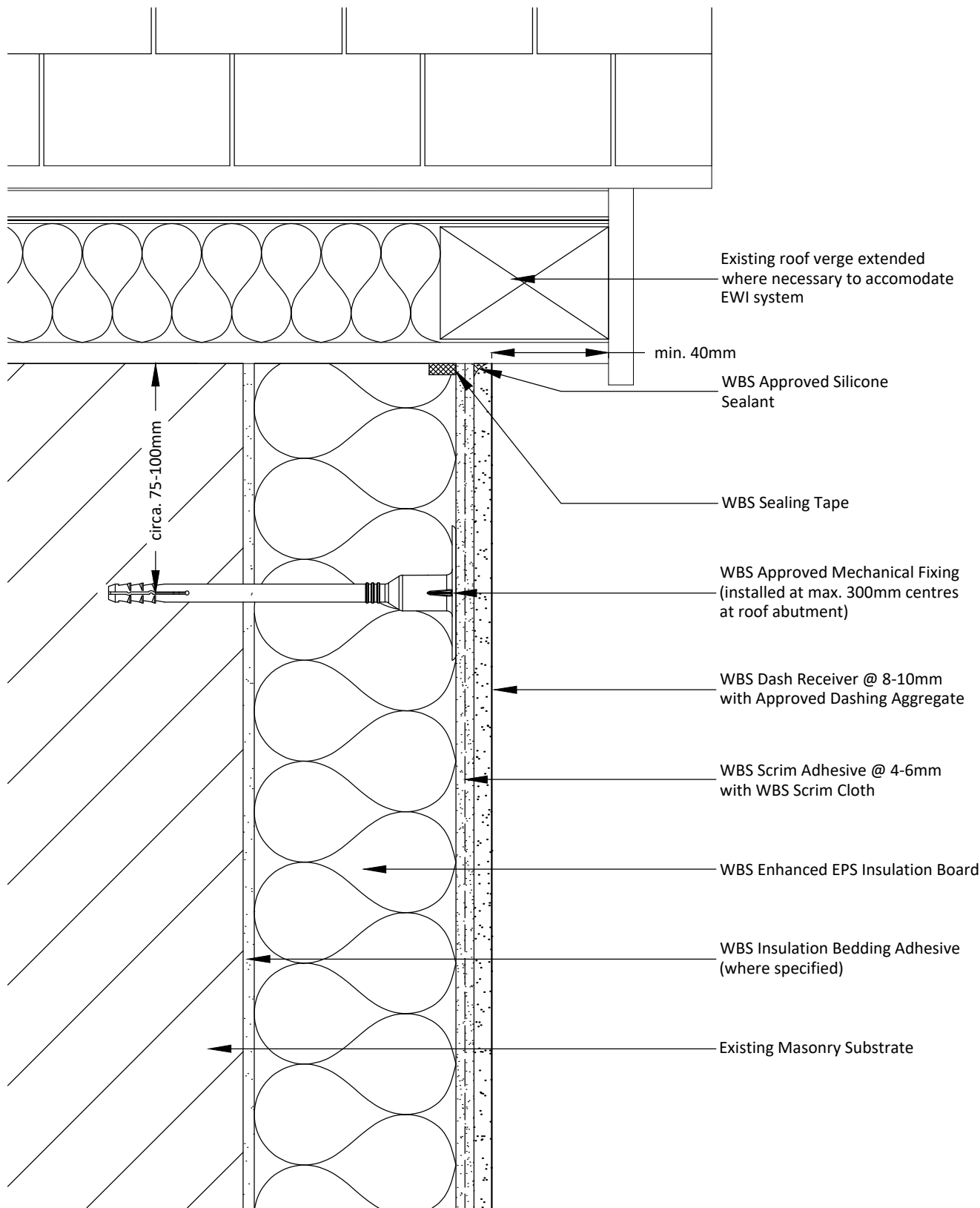
- 5) EWI insulation board with chamfered top edge offered up to 771 flashing and fixed in place.
- 6) WBS MSB Stop Bead to terminate render and seal waterproof membrane against.
- 7) No seal between underside of 771 flashing and top of membrane to maintain water egress pathway.
- 8) WBS Approved Silicone Sealant applied as per project specification.
- 9) WBS Render System applied as per project specification.

- Notes:**
- 1 - Existing ventilation must not be obstructed or must be re-positioned.
  - 2 - 771 flashing must provide a min. 40mm drip edge from the face of the finished render.
  - 3 - In severe/very severe exposure zones, drip edge should be increased to min. 50mm.
  - 4 - All joints in the 771 flashing must incorporate jointing pieces, extending min. 40mm on either side of the joint.
  - 5 - All joints in the 771 flashing must be offset by min. 100mm from joints in the waterproof membrane.
  - 6 - End caps must be used where the 771 flashing terminates.
  - 7 - Cold bridging must be assessed ensuring minimum thermal resistance of 0.6 m2K/W
  - 8 - Alternative solutions incorporating a secondary metal flashing in lieu of the waterproof membrane are available on request, contact Wetherby Technical Department for further guidance.


## Roofline Closure System - Eaves Detail A2

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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N	
Drawing Title:	Revision: -	
Eaves Detail A2 - Eaves Profile M (overhang)	Scale: NTS	
Drawing No:	Date: 24.05.2024	
WBS-EWI-M-DF-EPS-DAS-5003	Drawing Set: 01	

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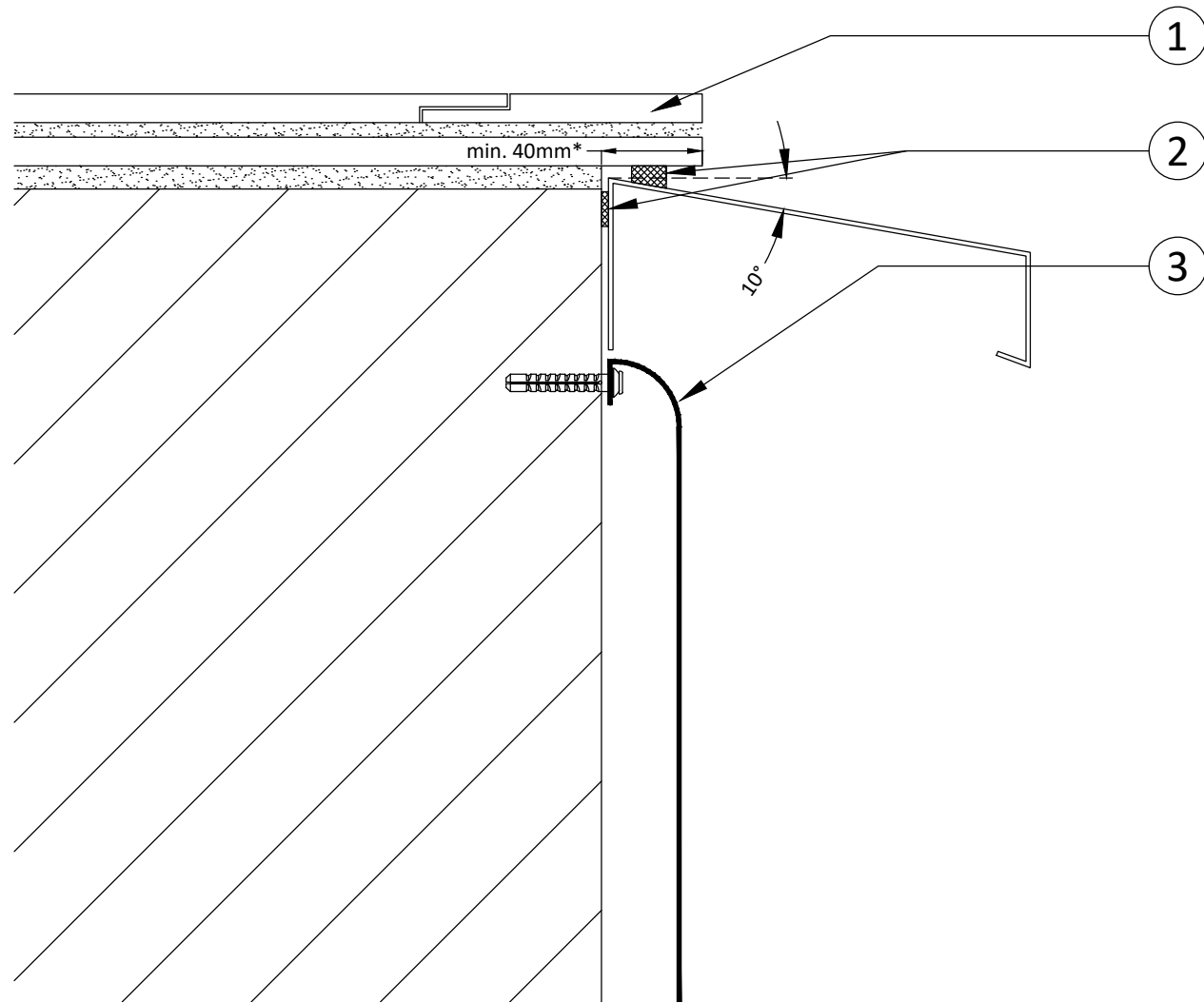


- Notes:**
- 1 - Additional fixings to be installed at max. 300mm centres at roof abutment.
  - 2 - Loft insulation must be present to reduce cold bridging and to maintain continuity of insulation.

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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Extended Verge Detail	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-5004	Drawing Set: 01		

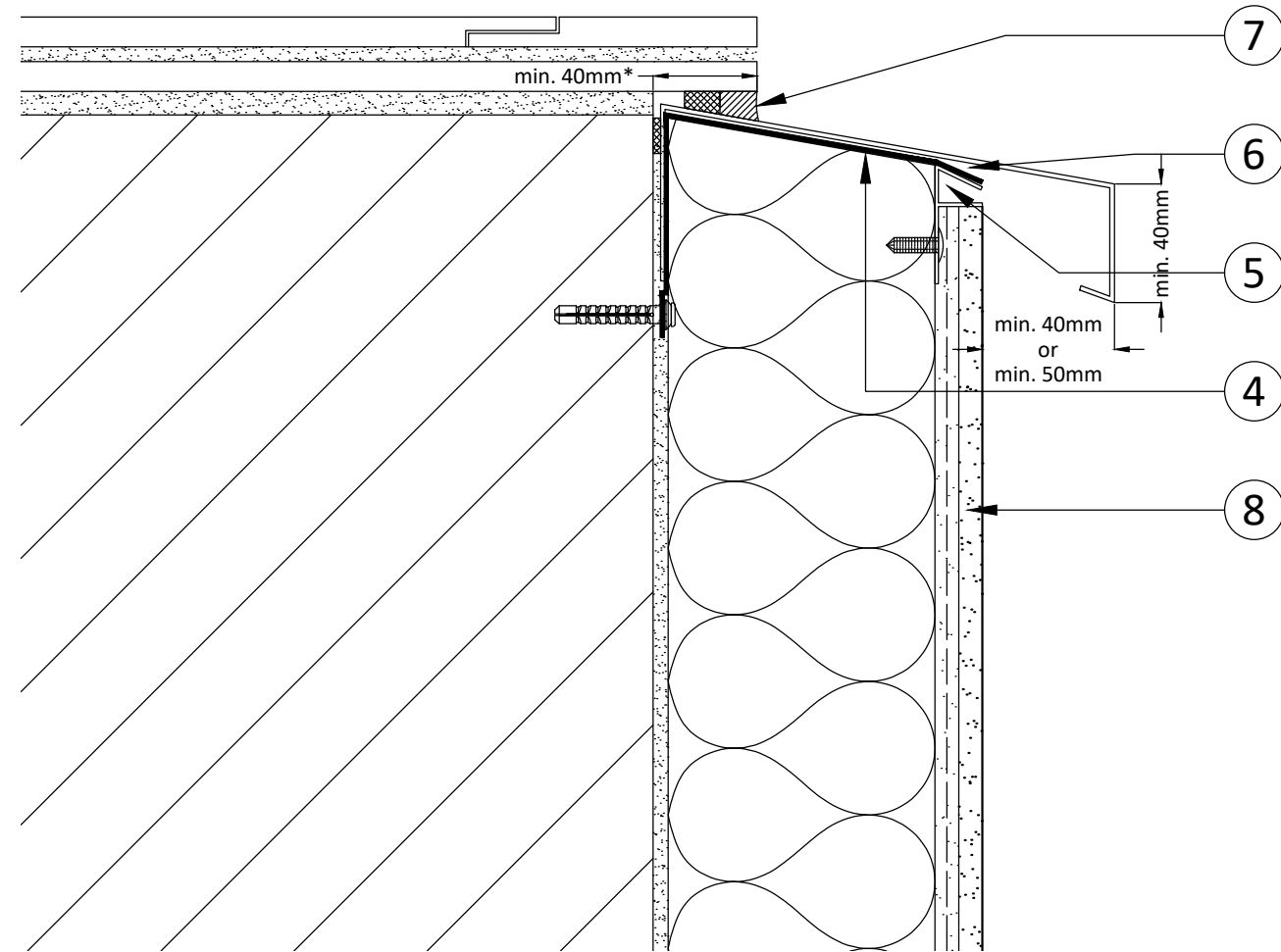
Note: The intent of this drawing is to show the correct application of WBS products and systems only. All other building elements are shown for illustrative purposes only and it is not intended to detail the building construction. The WBS project specific specification must be followed & read in conjunction with detail drawings.

# Stage 1



- 1) Existing overhang checked for suitability (min. 40mm) (existing verge must be solid & watertight).  
\* (In severe/very severe exposure zones, minimum existing roof overhang must be 50mm)
- 2) 771 telescopic flashing with min. 10° fall, fully compressing WBS Sealing Tape at the top and rear of the flashing.
- 3) Waterproof membrane (with taped joints) fixed to substrate below 771 flashing.

# Stage 2




- 4) EWI insulation board with chamfered top edge offered up to 771 flashing and fixed in place.
- 5) WBS MSB Stop Bead to terminate render and seal waterproof membrane against.
- 6) No seal between underside of 771 flashing and top of membrane to maintain water egress pathway.
- 7) WBS Approved Silicone Sealant applied as per project specification.
- 8) WBS Render System applied as per project specification.

## Roofline Closure System - Verge Detail A3

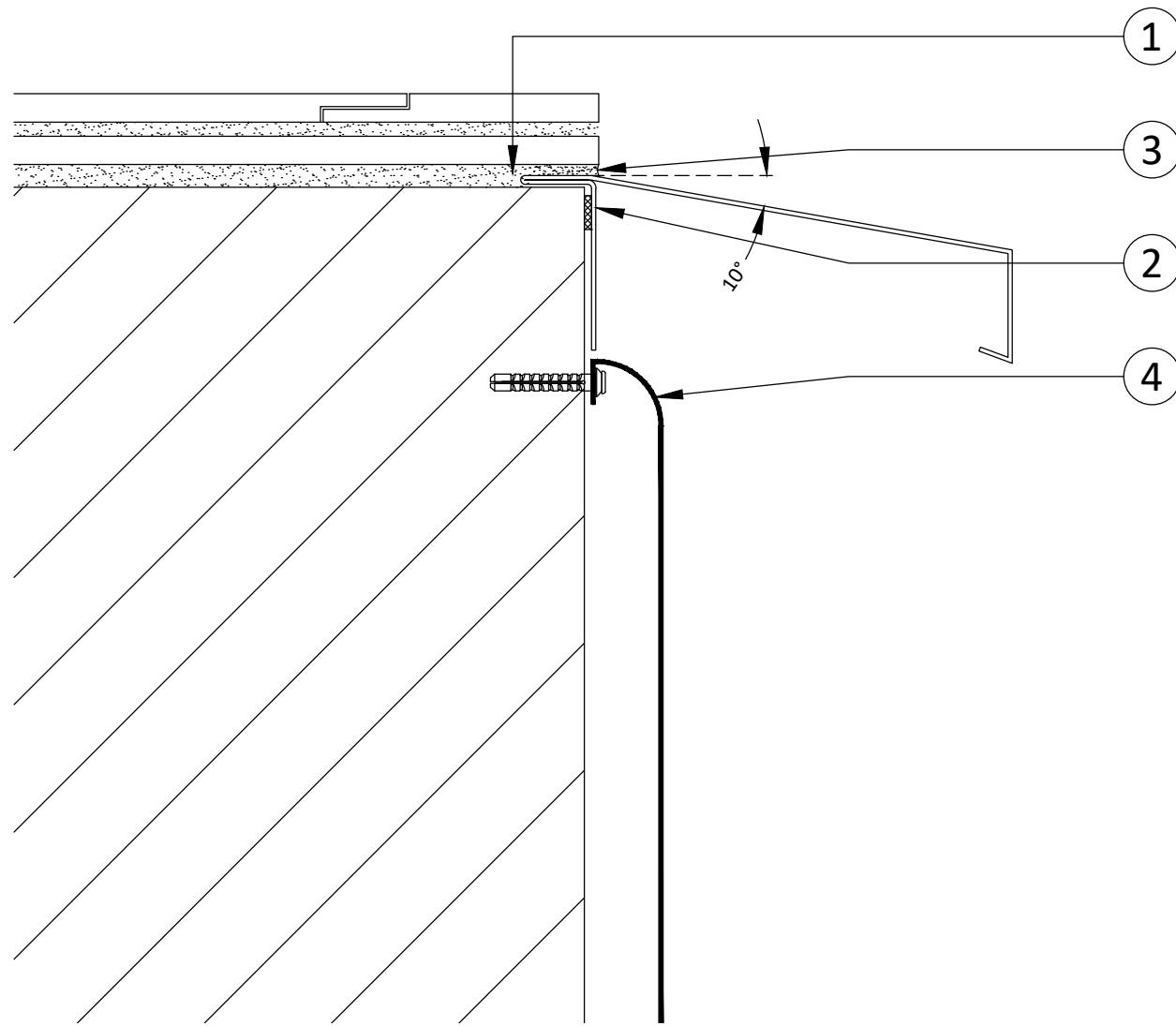
### Notes:

- 1 - 771 telescopic flashing must provide a min. 40mm drip edge from the face of the finished render.
- 2 - In severe/very severe exposure zones, drip edge should be increased to min. 50mm.
- 3 - All joints in the 771 telescopic flashing must incorporate jointing pieces, extending min. 40mm on either side of the joint.
- 4 - All joints in the 771 telescopic flashing must be offset by min. 100mm from joints in the waterproof membrane.
- 5 - End caps must be used where the 771 telescopic flashing terminates.
- 6 - Alternative solutions incorporating a secondary metal flashing in lieu of the waterproof membrane are available on request, contact Wetherby Technical Department for further guidance.

Project Name:	Drawn by: N.K	 Wetherby Building Systems Ltd 1 Kid Glove Road, Golborne, WA3 3GS Tel: 01942 717100 Fax: 01942 717101 Web: www.wbs-ltd.co.uk E-mail: technical@wbs-ltd.co.uk © WBS-LTD 1998-2023. All rights reserved
Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N	
Drawing Title:	Revision: -	
Verge Detail A3 - Telescopic Profile M (overhang)	Scale: NTS	
Drawing No:	Date: 24.05.2024	
WBS-EWI-M-DF-EPS-DAS-5005	Drawing Set: 01	

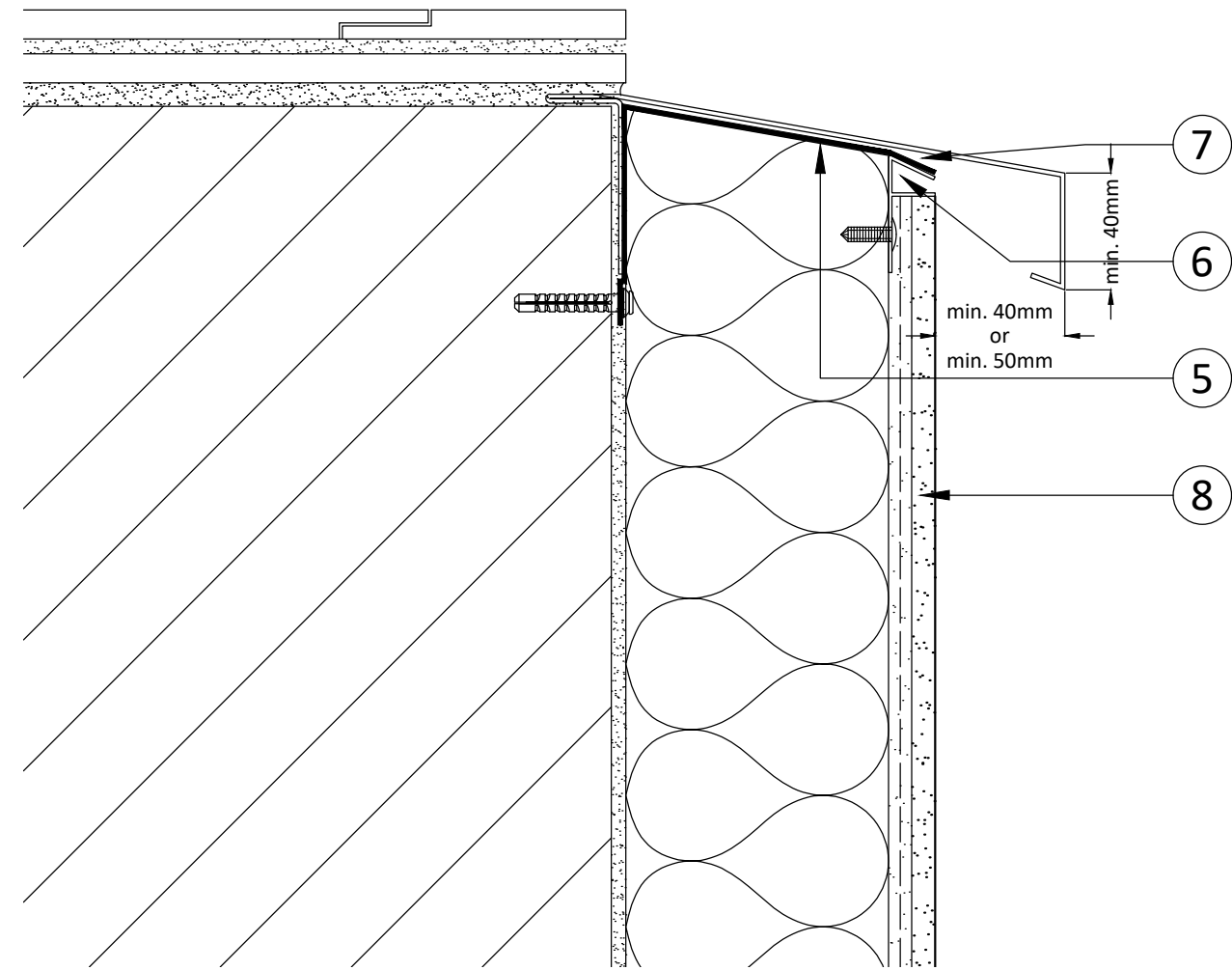


# Stage 1



- 1) Grind out groove/channel to allow installation of grind-in flashing. Any loose material removed.
- 2) 781 grind-in flashing with min 10° fall embedded into substrate, fully compressing WBS Sealing Tape.
- 3) Re-point with flexible mortar, ensuring flashing is securely sealed in place.
- 4) Waterproof membrane (with taped joints) fixed to substrate below 781 flashing.

# Stage 2




- 5) EWI insulation board with chamfered top edge offered up to 781 grind-in flashing and fixed in place.
- 6) WBS MSB Stop Bead to terminate render and seal waterproof membrane against.
- 7) No seal between underside of 781 flashing and top of membrane to maintain water egress pathway.
- 8) WBS Render System applied as per project specification.

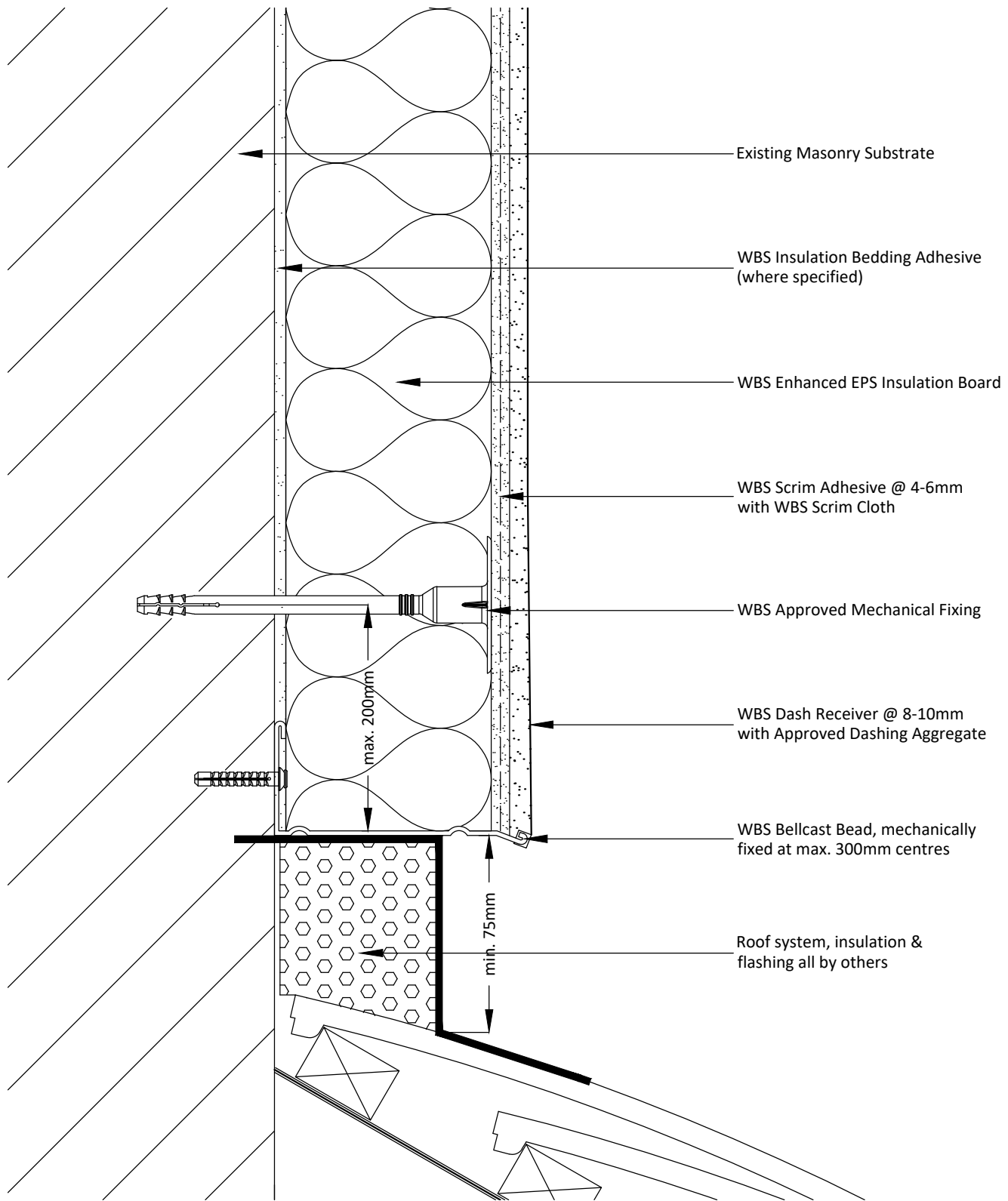
## Roofline Closure System - Verge Detail A4

### Notes:

- 1 - 781 grind-in flashing must provide a min. 40mm drip edge from the face of the finished render.
- 2 - In severe/very severe exposure zones, drip edge should be increased to min. 50mm.
- 3 - All joints in the 781 grind-in flashing must incorporate jointing pieces, extending min. 40mm on either side of the joint.
- 4 - All joints in the 781 grind-in flashing must be offset by min. 100mm from joints in the waterproof membrane.
- 5 - End caps must be used where the 781 grind-in flashing terminates.
- 6 - Alternative solutions incorporating a secondary metal flashing in lieu of the waterproof membrane are available on request, contact Wetherby Technical Department for further guidance.


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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N	
Drawing Title:	Revision: -	
Verge Detail A4 - Grind-In Profile M (minimal overhang)	Scale: NTS	
Drawing No:	Date: 24.05.2024	
WBS-EWI-M-DF-EPS-DAS-5006	Drawing Set: 01	



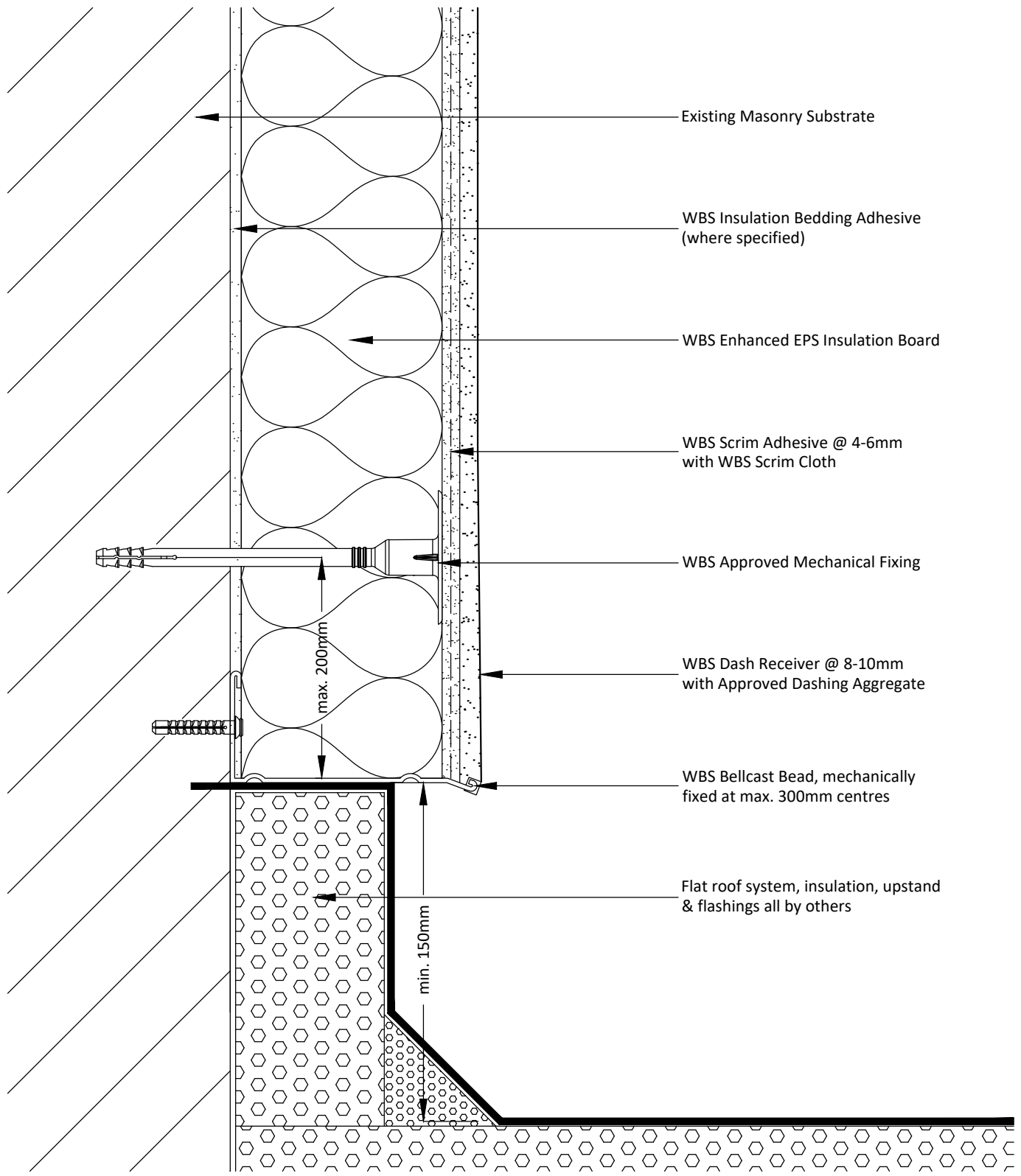


**Notes:**

- 1 - Insulation within roof upstand must be present to reduce cold bridging.
- 2 - Insulation within roof upstand should provide a minimum 75% of the thermal resistance of main wall insulation.
- 3 - Roof flashing/membrane can also be located behind WBS Starter Track and dressed into the wall.


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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Pitched Roof Abutment Detail	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-5007	Drawing Set: 01		

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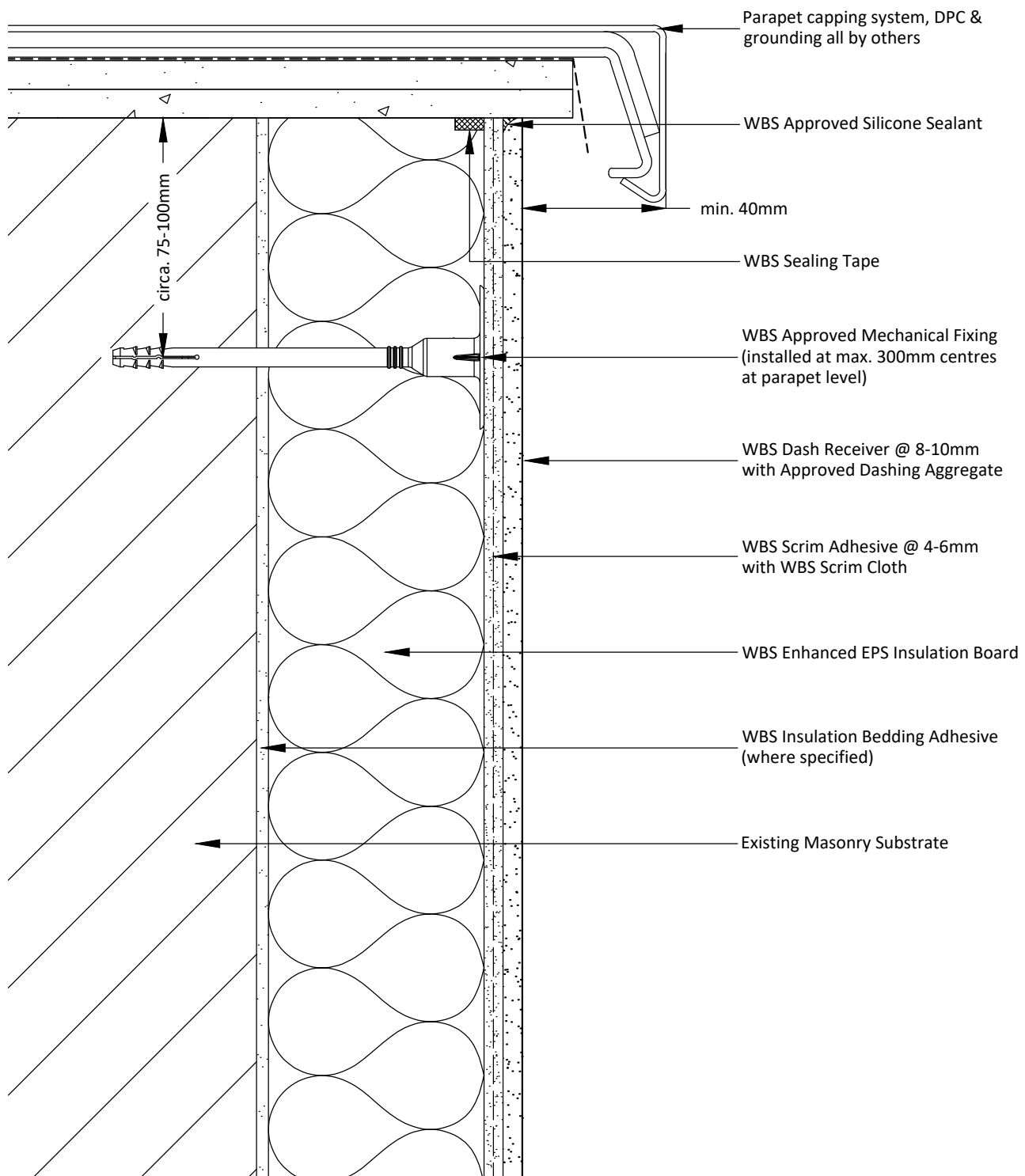


**Notes:**

- 1 - Insulation within roof upstand must be present to reduce cold bridging.
- 2 - Insulation within roof upstand should provide a minimum 75% of the thermal resistance of main wall insulation.
- 3 - Roof flashing/membrane can also be located behind WBS Starter Track and dressed into the wall.


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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Flat Roof Abutment Detail	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-5008	Drawing Set: 01		

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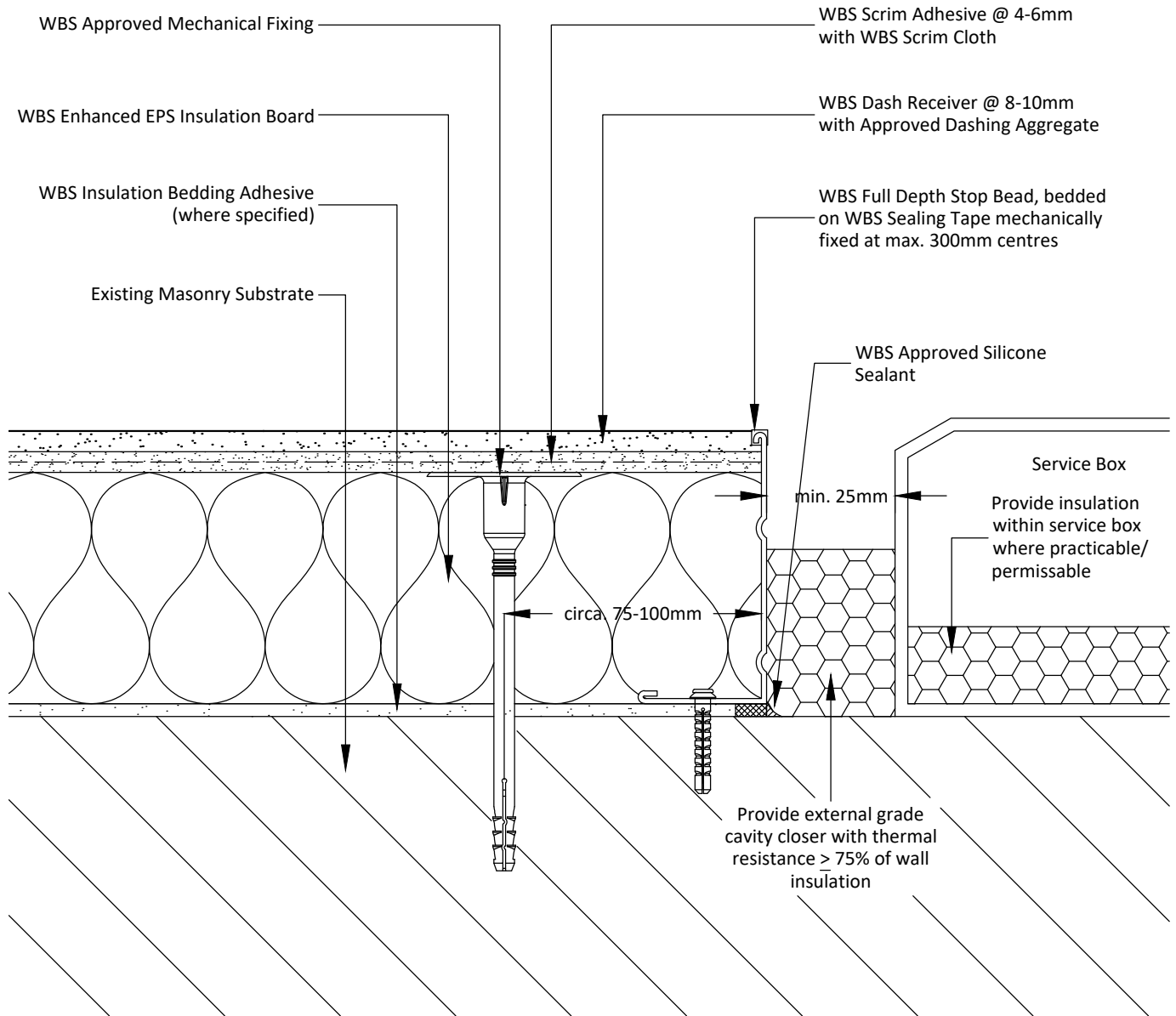


**Notes:**

1 - Additional fixings to be installed at max. 300mm centres at parapet level.


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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Parapet Detail	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-5009	Drawing Set: 01		

Note: The intent of this drawing is to show the correct application of WBS products and systems only. All other building elements are shown for illustrative purposes only and it is not intended to detail the building construction. The WBS project specific specification must be followed & read in conjunction with detail drawings.

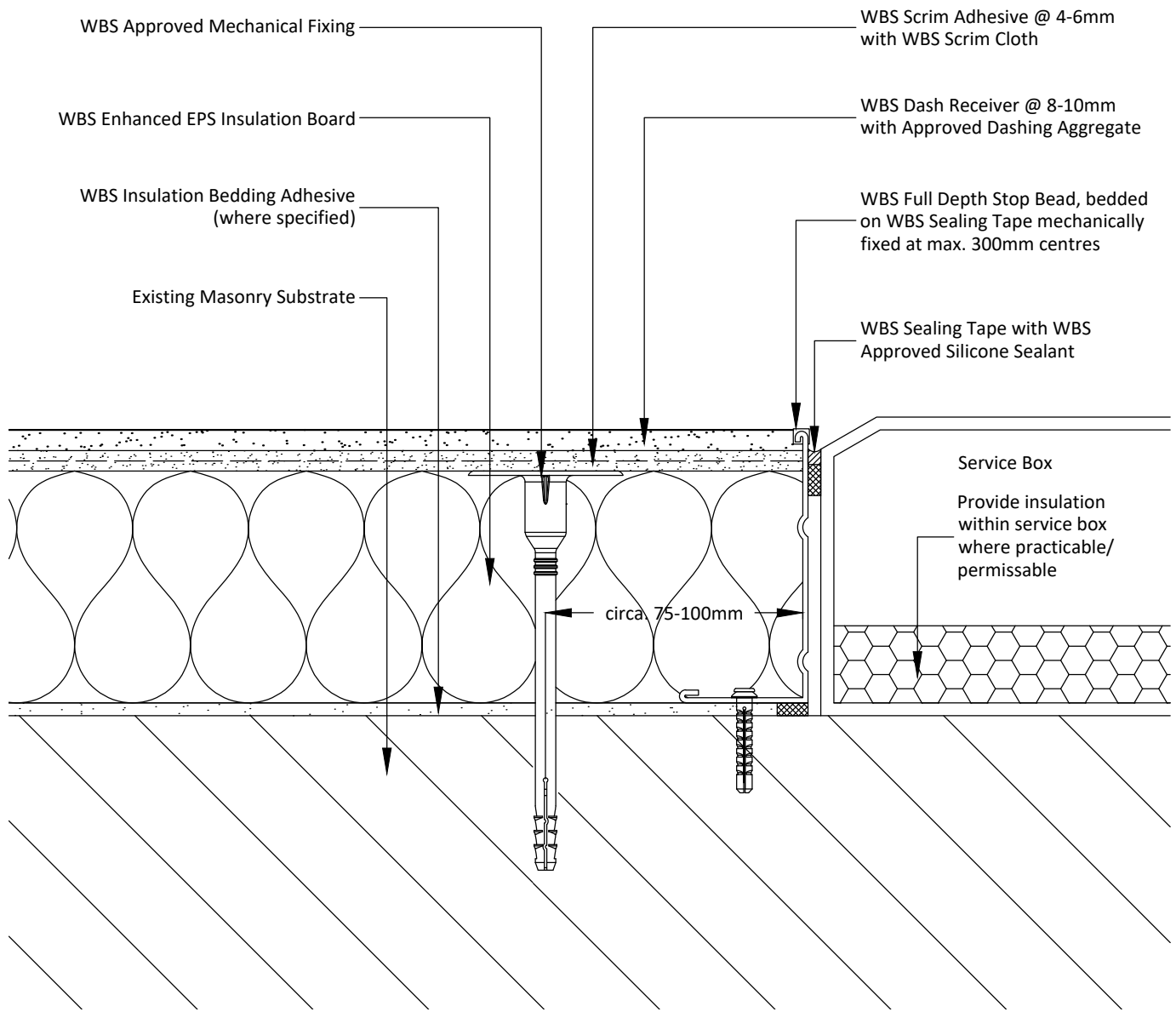


**Notes:**

- 1 - Existing service box must be in good condition.
- 2 - Refer to specification for the installation of external wall insulation ensuring safety and operation of fuel burning appliances V.1.0 31st March 2017'. Surface mounted gas meter boxes require a min. clearance of 25 mm for access and maintenance.
- 3 - This drawing indicates the minimum clearance dimensions. Actual clearance may require to be significantly more to facilitate maintenance, removal & replacement of the meter, including opening of the lid.


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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Service Box Abutment Detail - Removable Box	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-6000	Drawing Set: 01		

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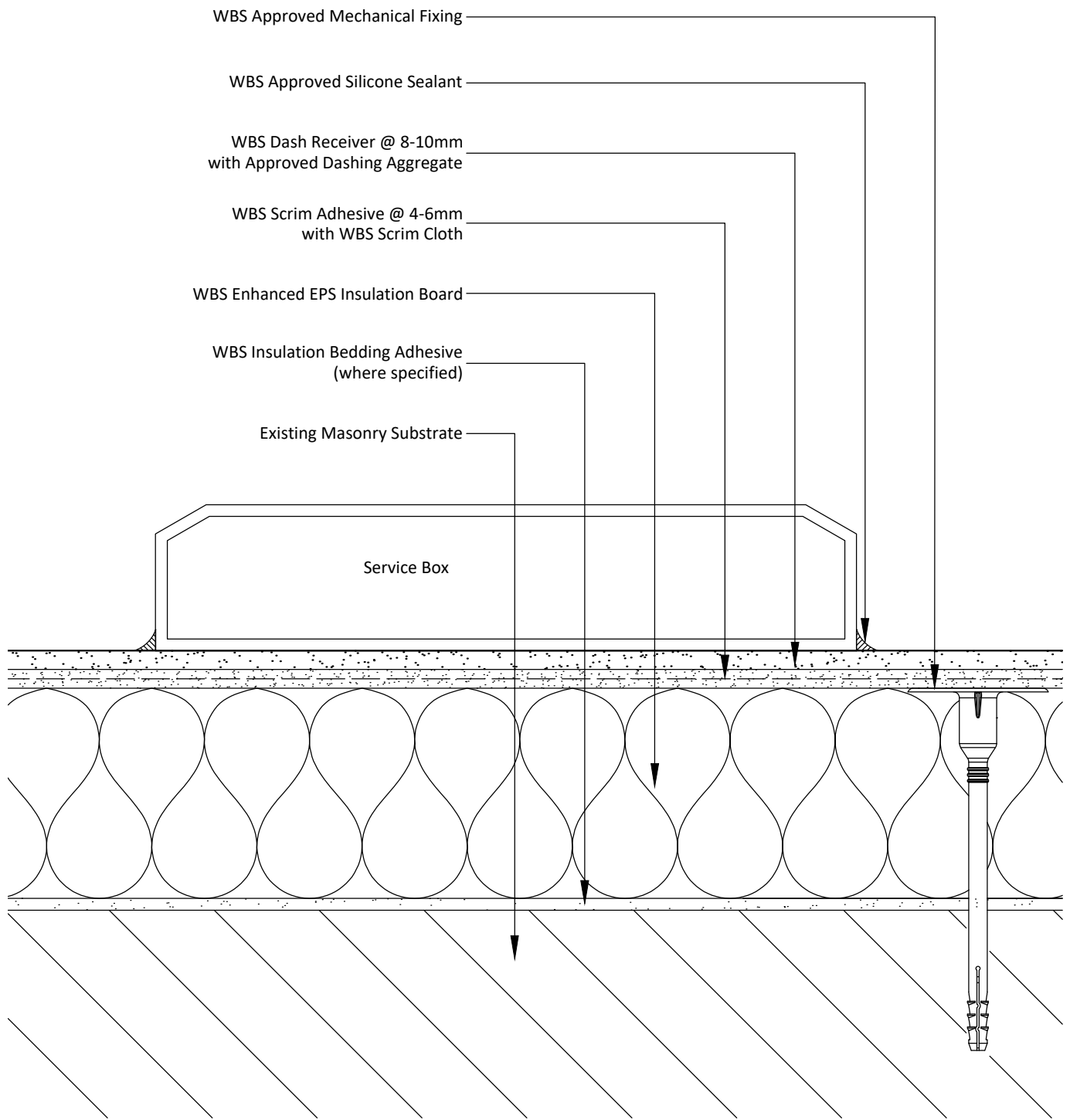


**Notes:**

- 1 - Existing service box must be in good condition.
- 2 - Refer to specification for the installation of external wall insulation ensuring safety and operation of fuel burning appliances V.1.0 31st March 2017'.
- 3 - Permission from the utility company may be required to allow the EWI system to be sealed against the service box.


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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Service Box Abutment Detail - Front Access	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-6001	Drawing Set: 01		

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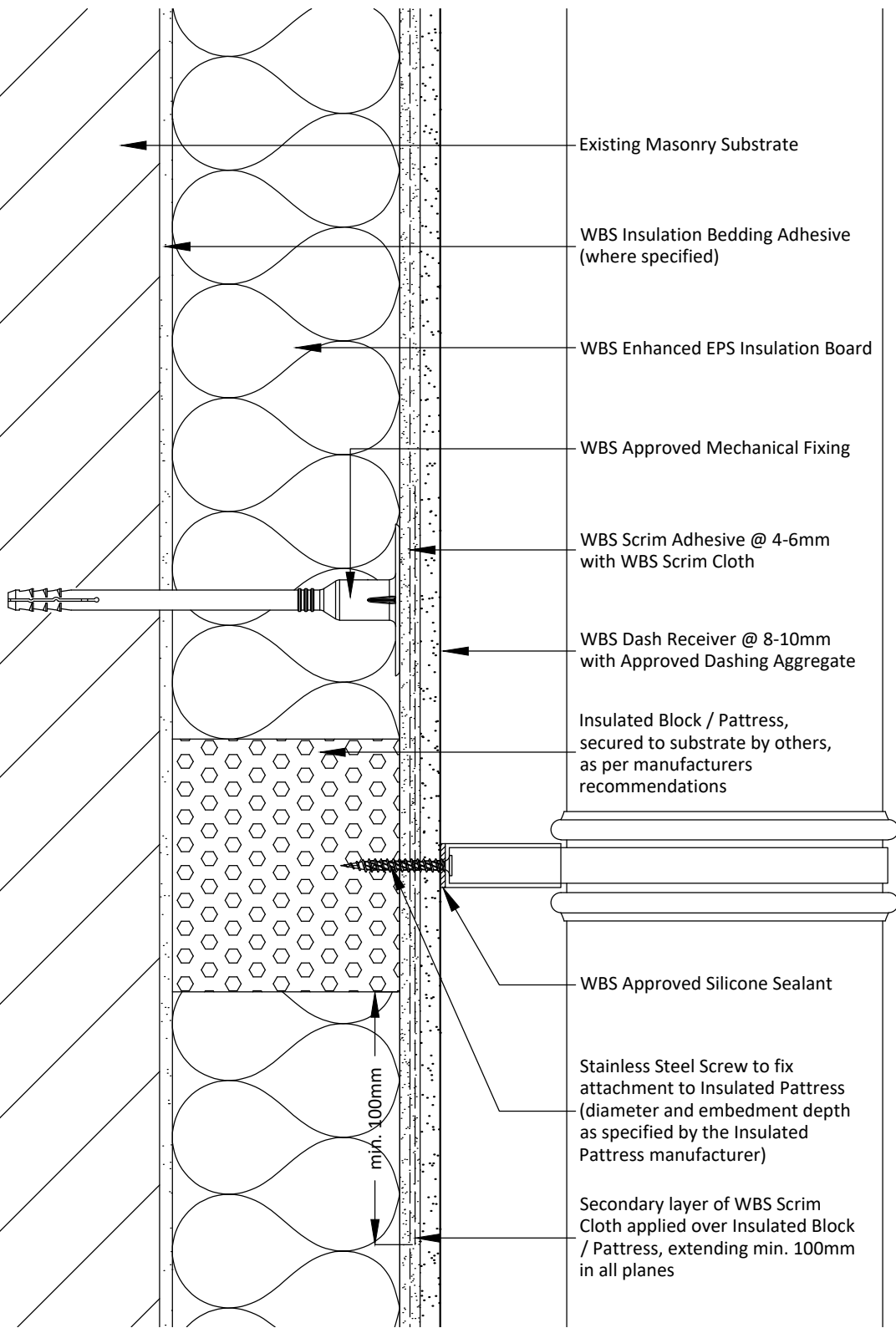
**Notes:**

- 1 - Service box removed and repositioned on the external face of the EWI system to ensure continuity of insulation.
- 2 - Movement of the service box should only be undertaken by the owner of the box, i.e. Utility Company.
- 3 - Service box should be suitably fixed using approved fixings, fixing points to be sealed to ensure water tightness.

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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Service Box Mounted Detail	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-6002	Drawing Set: 01		

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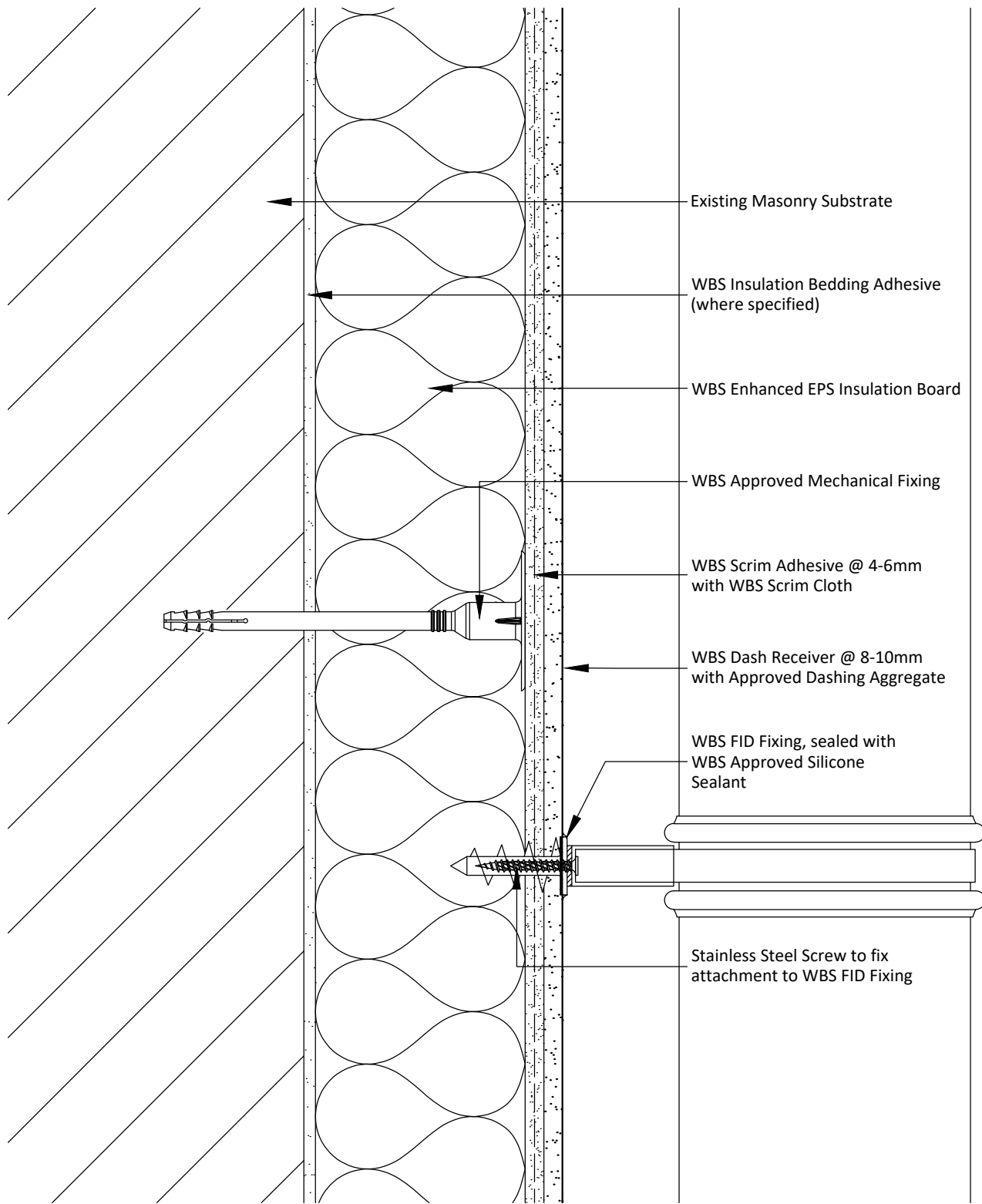
- Existing Masonry Substrate
- WBS Insulation Bedding Adhesive (where specified)
- WBS Enhanced EPS Insulation Board
- WBS Approved Mechanical Fixing
- WBS Scrim Adhesive @ 4-6mm with WBS Scrim Cloth
- WBS Dash Receiver @ 8-10mm with Approved Dashing Aggregate
- Insulated Block / Pattress, secured to substrate by others, as per manufacturers recommendations
- WBS Approved Silicone Sealant
- Stainless Steel Screw to fix attachment to Insulated Pattress (diameter and embedment depth as specified by the Insulated Pattress manufacturer)
- Secondary layer of WBS Scrim Cloth applied over Insulated Block / Pattress, extending min. 100mm in all planes

**Notes:**

- 1 - Insulated pattress must always be installed as per manufacturers recommendations.
- 2 - The suitability of any proposed insulated pattress to be confirmed by Wetherby Technical Department.
- 3 - Refer to insulated pattress manufacturer for allowable loadings.


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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Insulated Block / Pattress Detail	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-6003	Drawing Set: 01		

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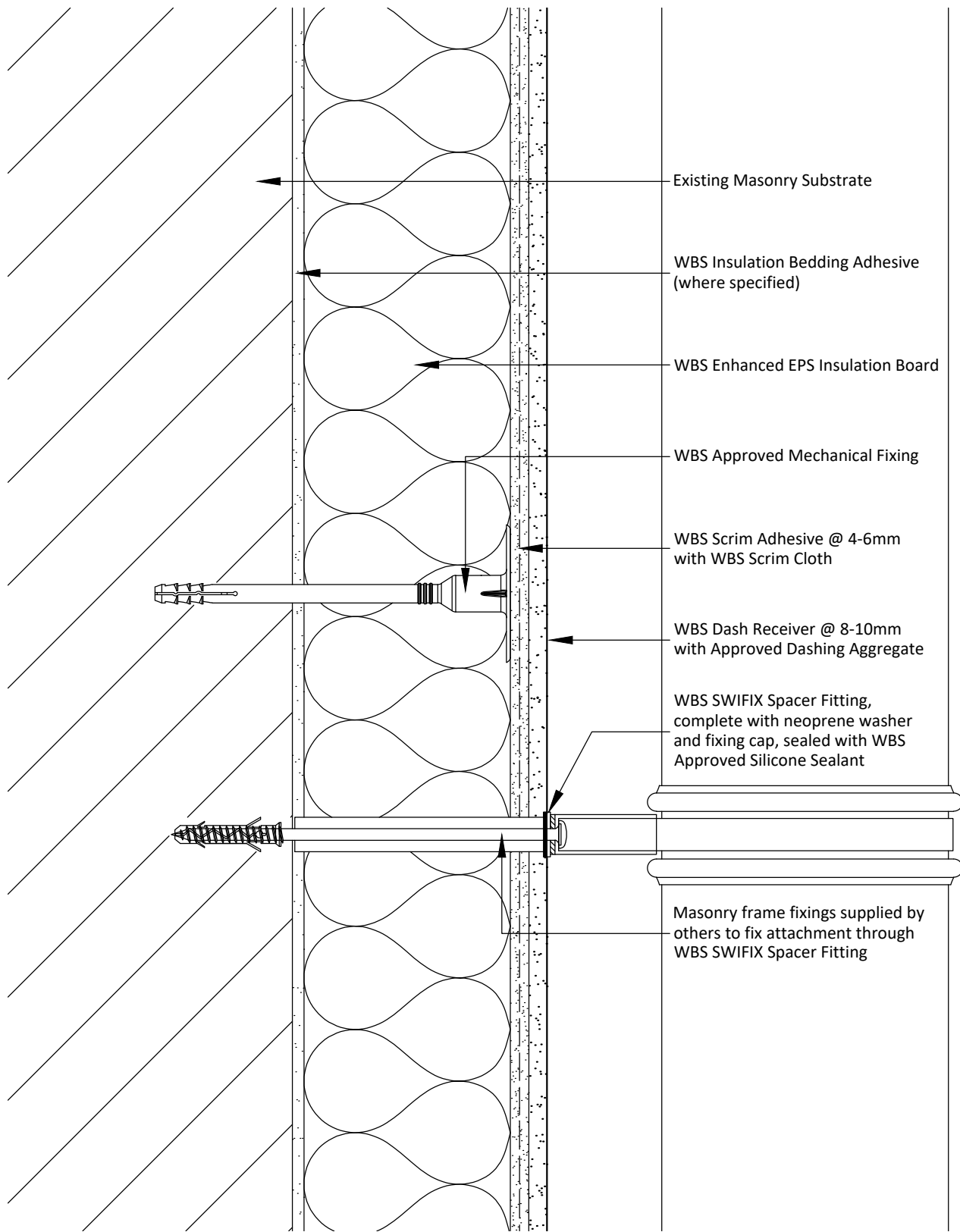


**Notes:**

- 1 - Pilot hole may be required for traditional render finishes e.g. WBS Dash Receiver.
- 2 - WBS FID50 can receive 4.5-5.0mm diameter screws whilst WBS FID90 can only receive 6.0mm diameter screws.
- 3 - WBS FID fixings are not suitable for heavier attachments, e.g. cast iron RWP's, satellite dish etc  
Refer to fixing manufacturer for allowable loadings.


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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Lightweight External Attachment Detail	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-6004	Drawing Set: 01		

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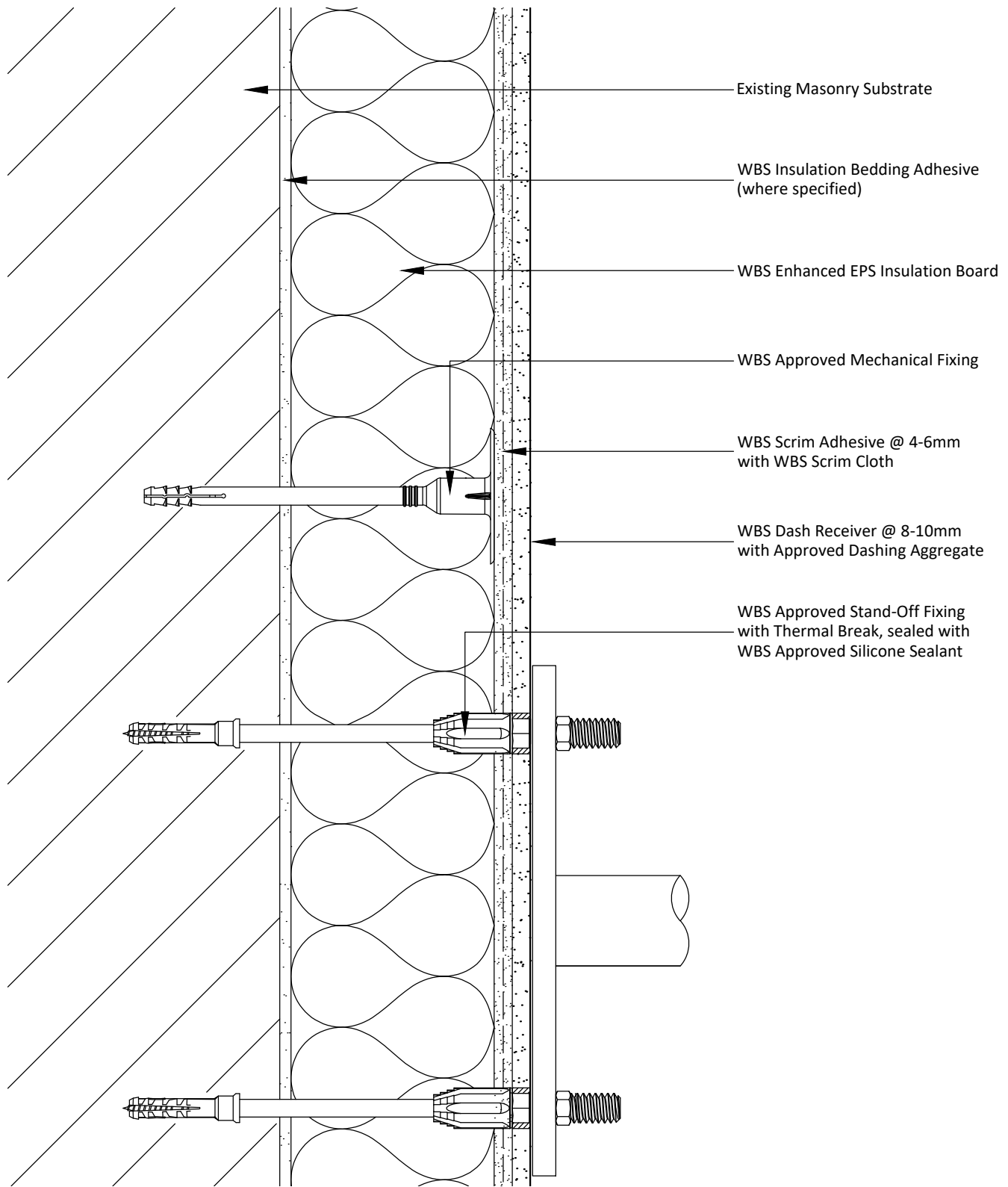


**Notes:**

- 1 - WBS SWIFIX Spacer Fitting to be cut to correct length prior to installation.
- 2 - Refer to fixing manufacturer for allowable loadings.

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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Heavy External Attachment Detail A	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-6005	Drawing Set: 01		

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**Notes:**

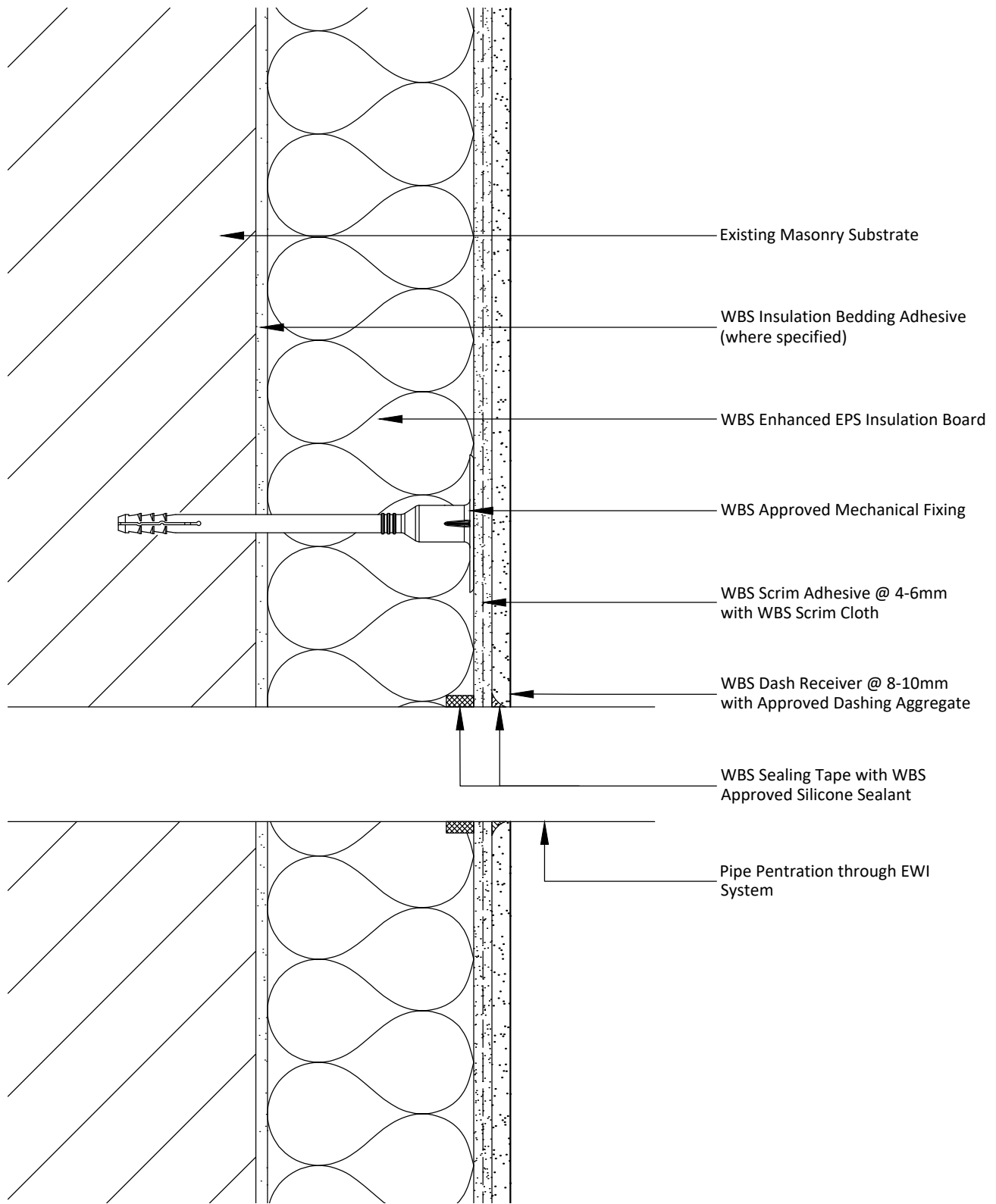
- 1 - Appropriate length of stand-off fixing to be selected based on the specified insulation thickness.
- 2 - The suitability of any proposed stand-off fixing to be confirmed by Wetherby Technical Department.
- 3 - Refer to fixing manufacturer for allowable loadings.

Project Name:	Drawn by: N.K
Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N
Drawing Title:	Revision: -
Heavy External Attachment Detail B	Scale: NTS
Drawing No:	Date: 24.05.2024
WBS-EWI-M-DF-EPS-DAS-6006	Drawing Set: 01

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Project Name:  
 Typical Details - Enhanced EPS with Dashing Render

Drawing Title:  
 Pipe Penetration Detail

Drawing No:  
 WBS-EWI-M-DF-EPS-DAS-6007

Drawn by: N.K

Checked by: D.N

Revision: -

Scale: NTS

Date: 24.05.2024

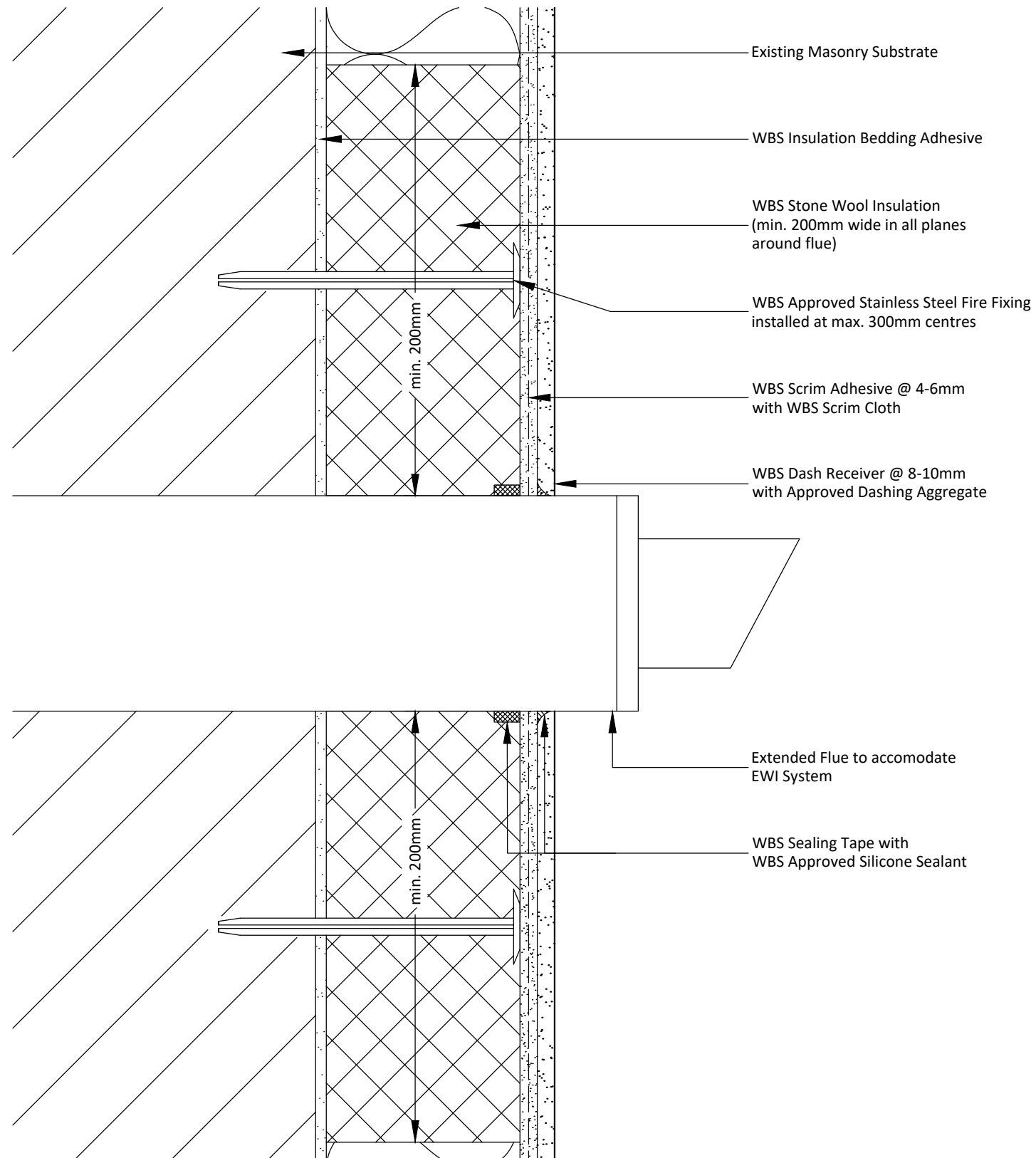
Drawing Set: 01

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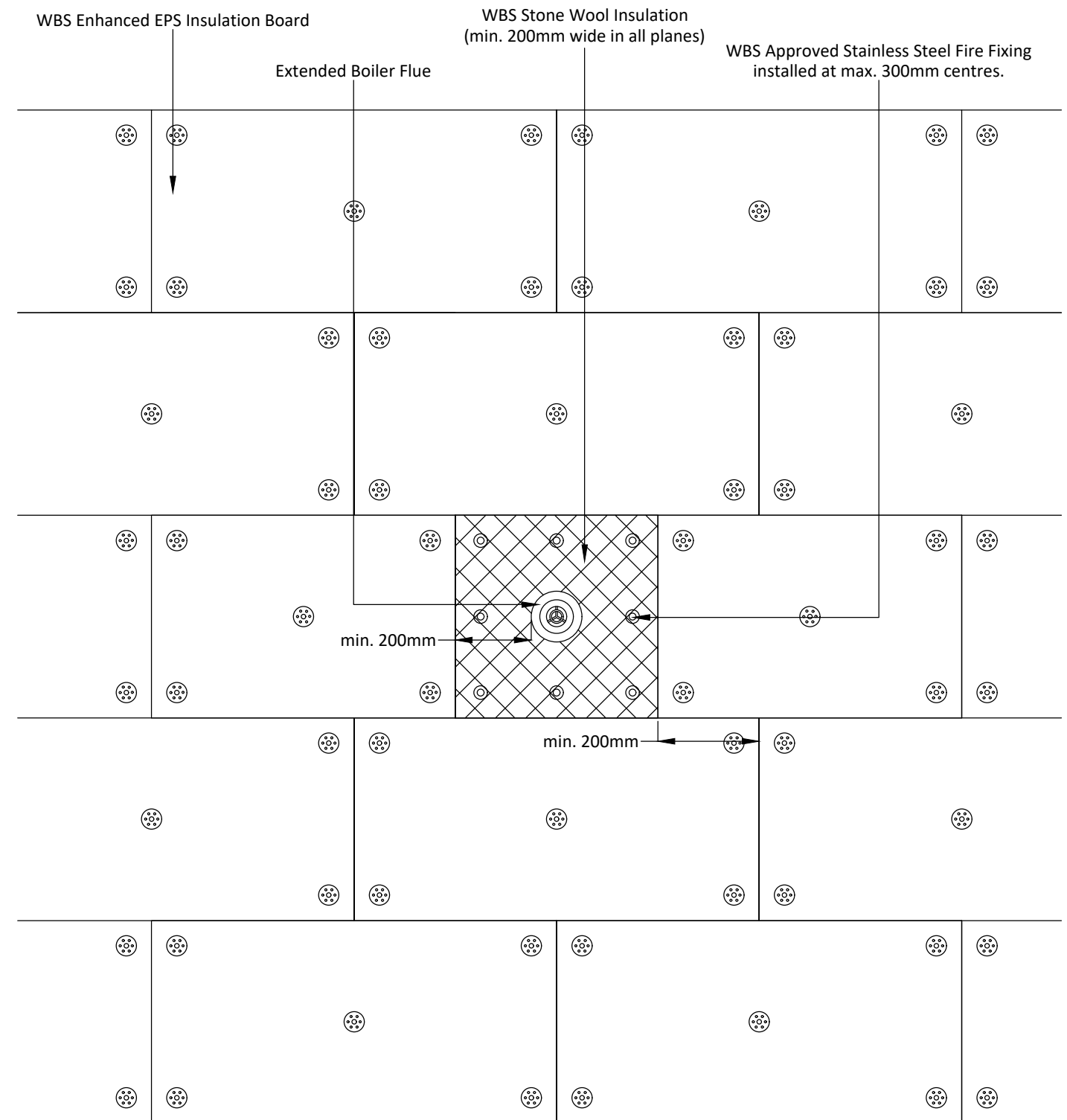
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### SECTION VIEW THROUGH SYSTEM



### TYPICAL ELEVATION LAYOUT

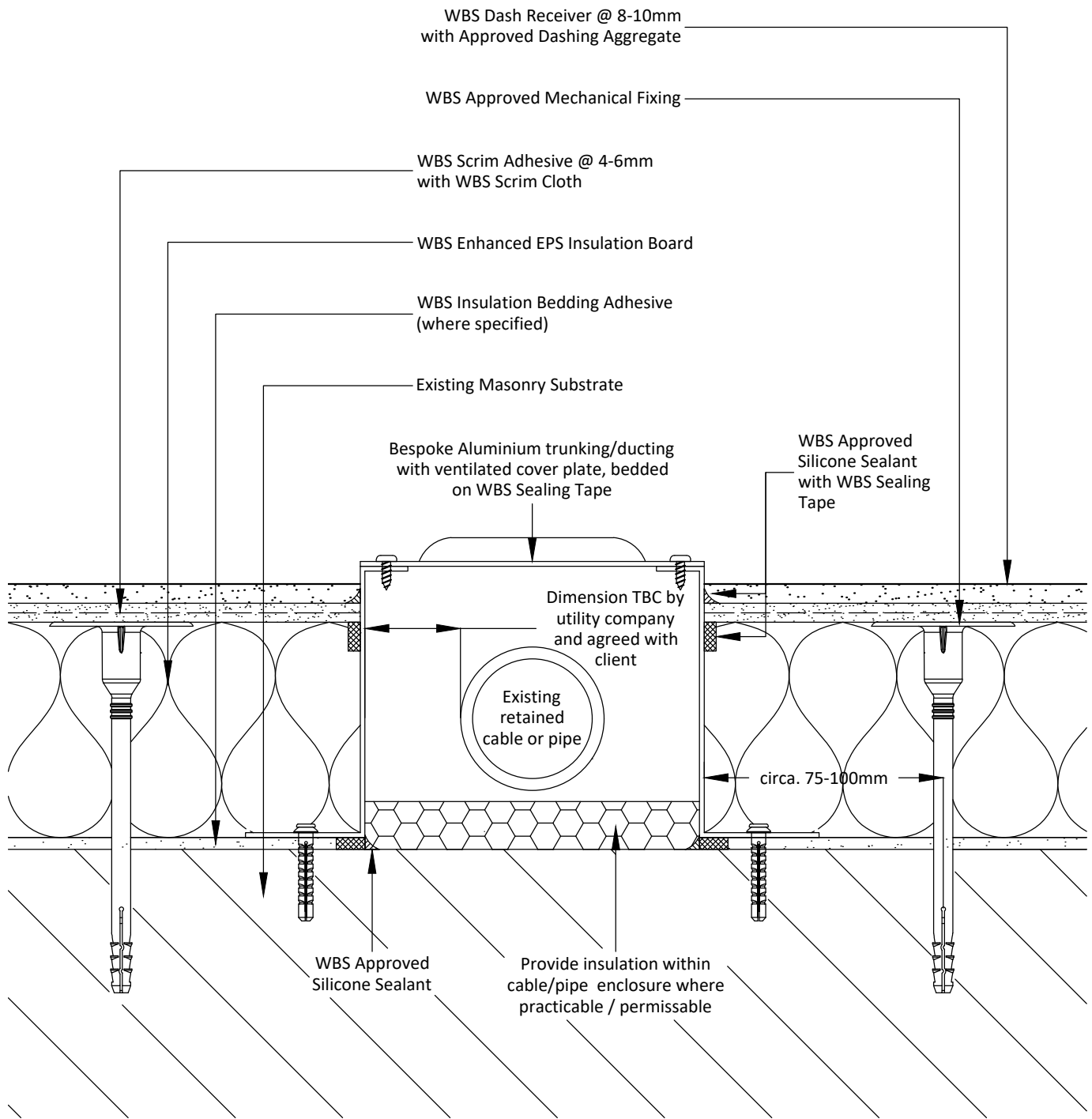


- Notes:**
- 1 - Detail is only suitable where flue has been extended to accommodate the thickness of the EWI System.
  - 2 - Fixing pattern for WBS Enhanced EPS shown indicatively only - always refer to project specific fixing pattern.
  - 3 - Minimum 200mm insulation bond overlap.
  - 4 - WBS Stone Wool Insulation must always be adhesively and mechanically fixed.
  - 5 - Where existing flue cannot be extended, contact Wetherby Technical Department for further guidance.

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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Extended Flue Detail	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-6008	Drawing Set: 01		


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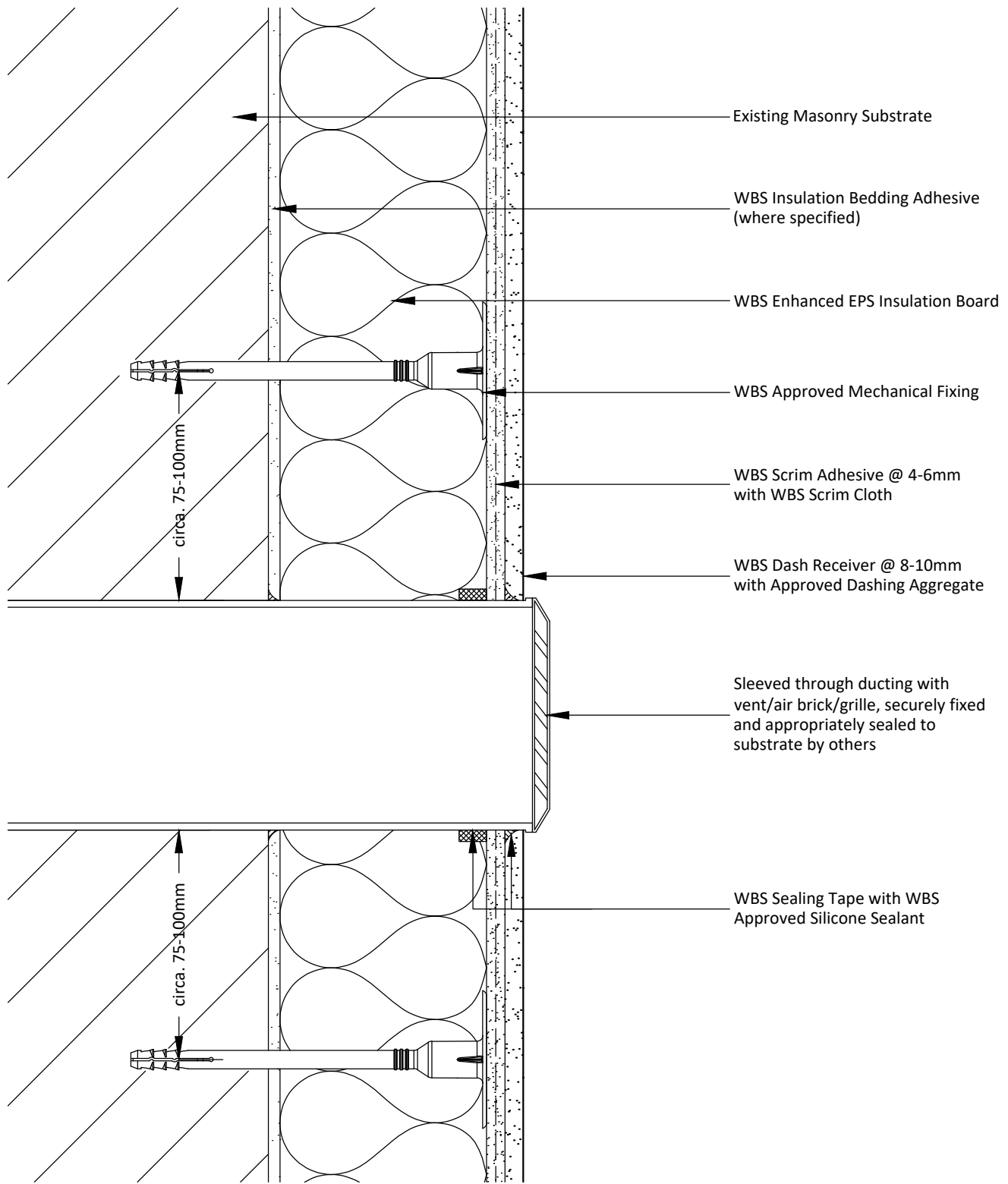


**Notes:**

- 1 - Aluminium trunking/ducting must be suitably designed to suit the required EWI system thickness
- 2 - For gas pipes, enclosures must have removable ventilated covers in accordance with the 'Specification for the installation of external wall insulation ensuring safety and operation of fuel burning appliances V.1.0 31st March 2017'. Ensure that the EWI system is fully sealed to the wall to prevent gas entry into the system.
- 3 - Ventilation rate to be confirmed by utility company.


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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Gas Pipe / Electrical Service Enclosure Detail	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-6009	Drawing Set: 01		

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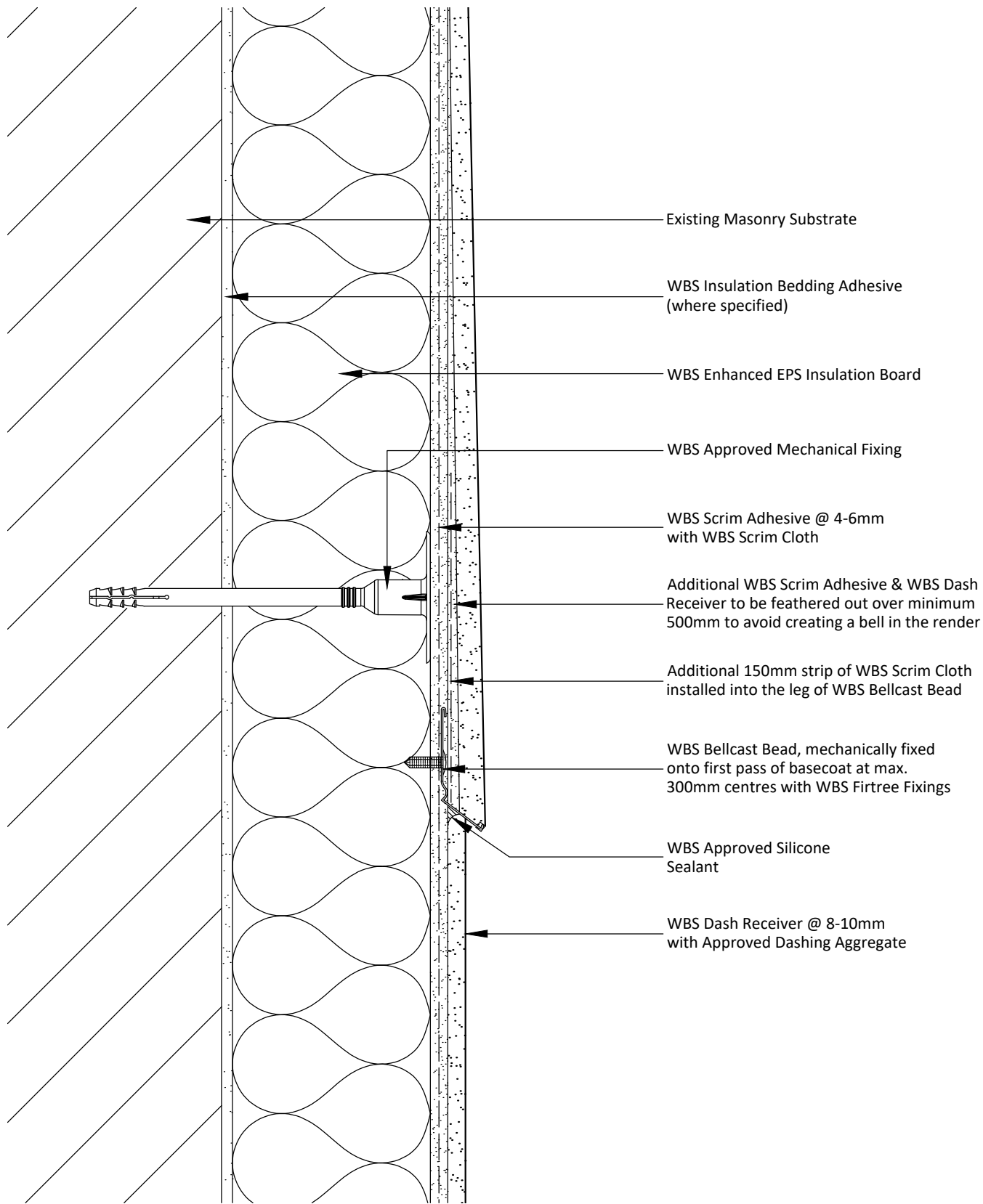


**Notes:**


- 1 - Sleeved ducting must be suitably designed to suit the required EWI system thickness.
- 2 - Sealant used to seal the ducting against the substrate and any gaps during installation to be specified by others.
- 3 - Ventilation rate to be confirmed by manufacturer or specialist contractor.

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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Vent Detail	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-6010	Drawing Set: 01		

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**Notes:**  
 1 - Dashing render finish must be feathered out to bellcast bead over a minimum distance of 500mm.

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Typical Details - Enhanced EPS with Dashing Render	Checked by: D.N		
Drawing Title:	Revision: -		
Bellcast Bead Detail	Scale: NTS		
Drawing No:	Date: 24.05.2024		
WBS-EWI-M-DF-EPS-DAS-7000	Drawing Set: 01		

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