



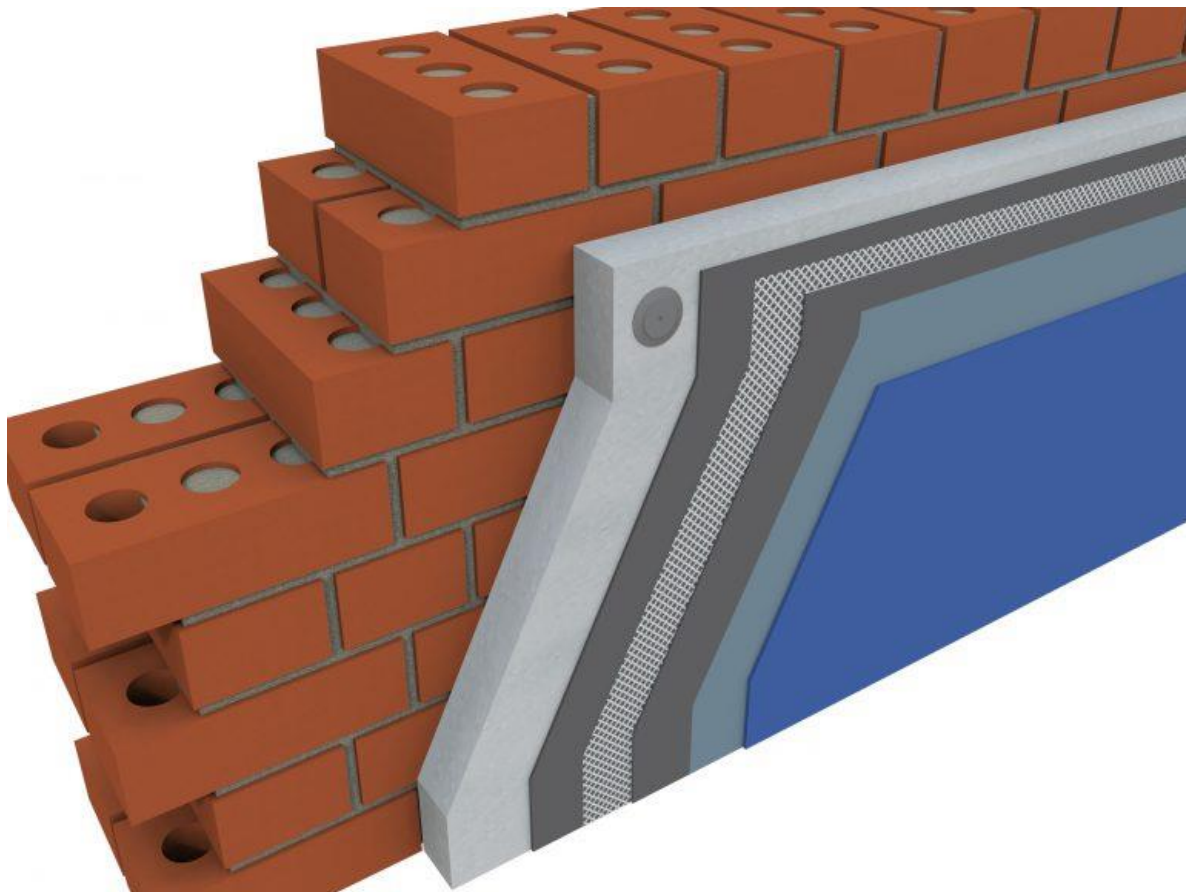
SPS Envirowall EWI System Typcial Details : Direct Fix to Masonry/Framed structure



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0800 6124662



System:	WS1 Direct Fix to Masonry
Insulation:	Mineral Wool EWI Slab
System Finish:	Envirosil Silicone Topcoat Finish Enviromin Mineral Topcoat Finish Speedy Slip Flexible Brick Slip Finish
Accreditation:	KIWA BDA – Certificate Ref: BAW-21-224-S-A-UK
Naming Sequence	Typical Details, Direct Fix, Masonry, Mineral Wool, Render, 01, etc
Drawing Codes	TD_DF_M_MW_R_01
ISO Reference	5201-TD-M



Typical Image / Section through EWI System onto Masonry

GENERAL NOTES

This document is intended as a design guidance documentation and to assist the Project design team in producing the respective documentation for any project under consideration or installation. To be read with Relevant M21 Specification and accordance with Benx SPS Envirowall (SPSE) Installation instructions and good practice guidelines.

As manufacturers/suppliers Benx Technical is not privy to detailed contractual arrangements and documentation of individual projects and is therefore not in a position to co-ordinate related work by others. It is not the intention for this draft to relate to any particular project, but to provide a guide to the more common items to encountered in construction assemblies incorporating Benx, SPS, and RCM products.

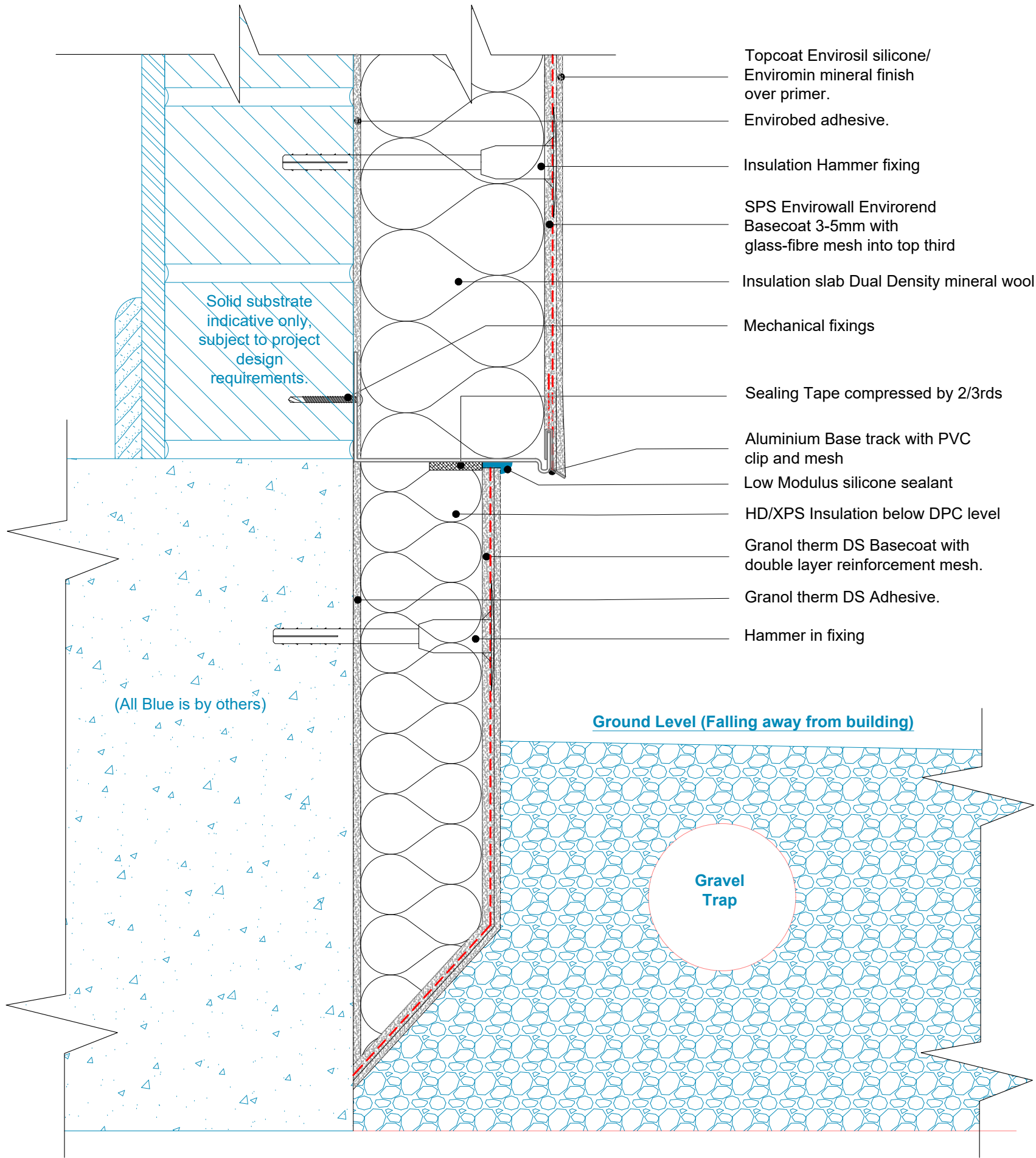
Finally please ensure that any amendments to Benx Technical draft specifications represent a true interpretation of the project designer's requirements.



DRAWING REGISTER

[illegible]

- Note:
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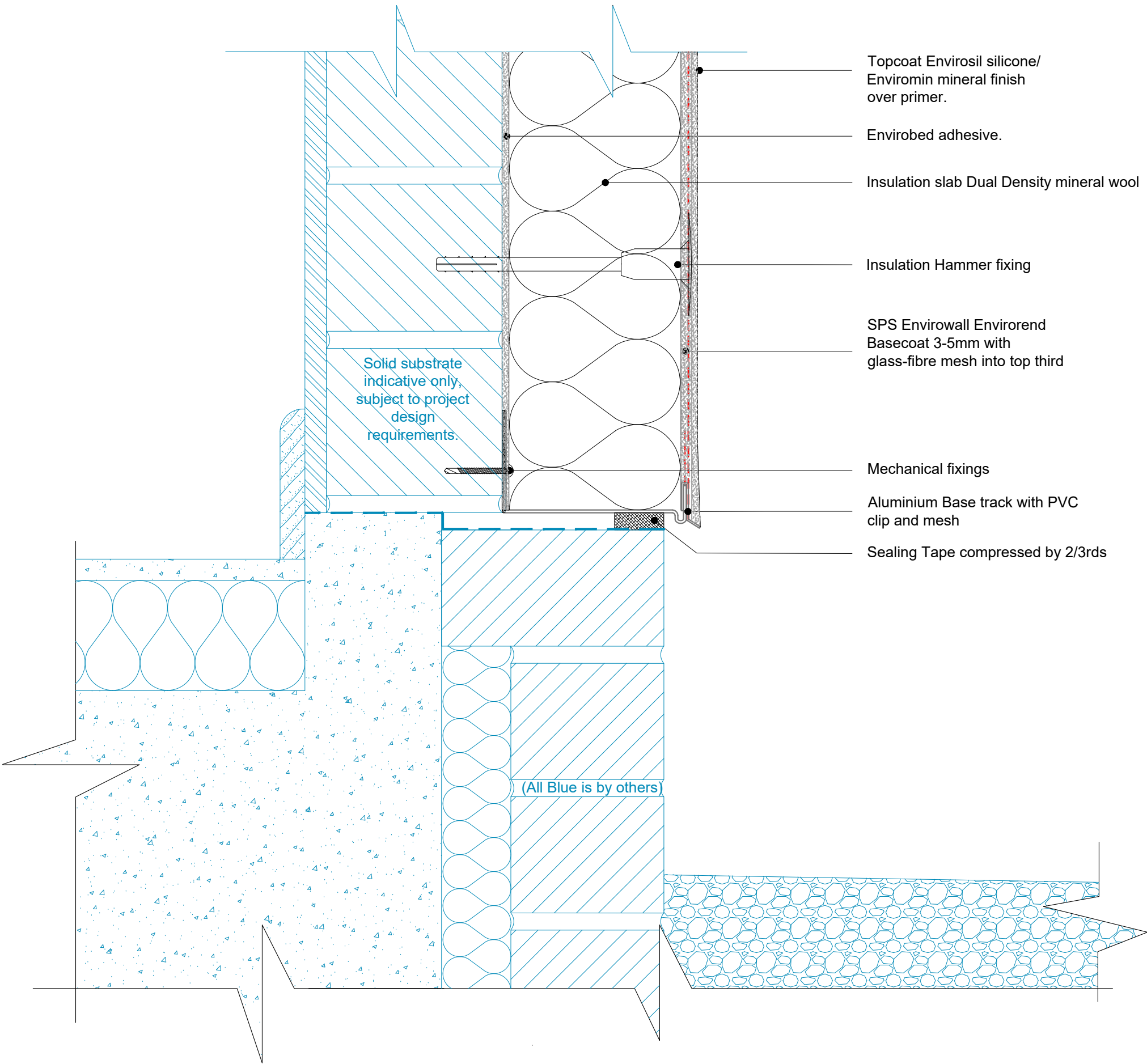
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A	06/12/22	First Issue	AG	PROJECT:	ISO No: 5201-TD-M	AG
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				DRAWING No: TD-DF-M-MW-R-01		NTS@A3
				DESCRIPTION:		DATE:
				Insulated Base		Dec 22
						REV:
						A

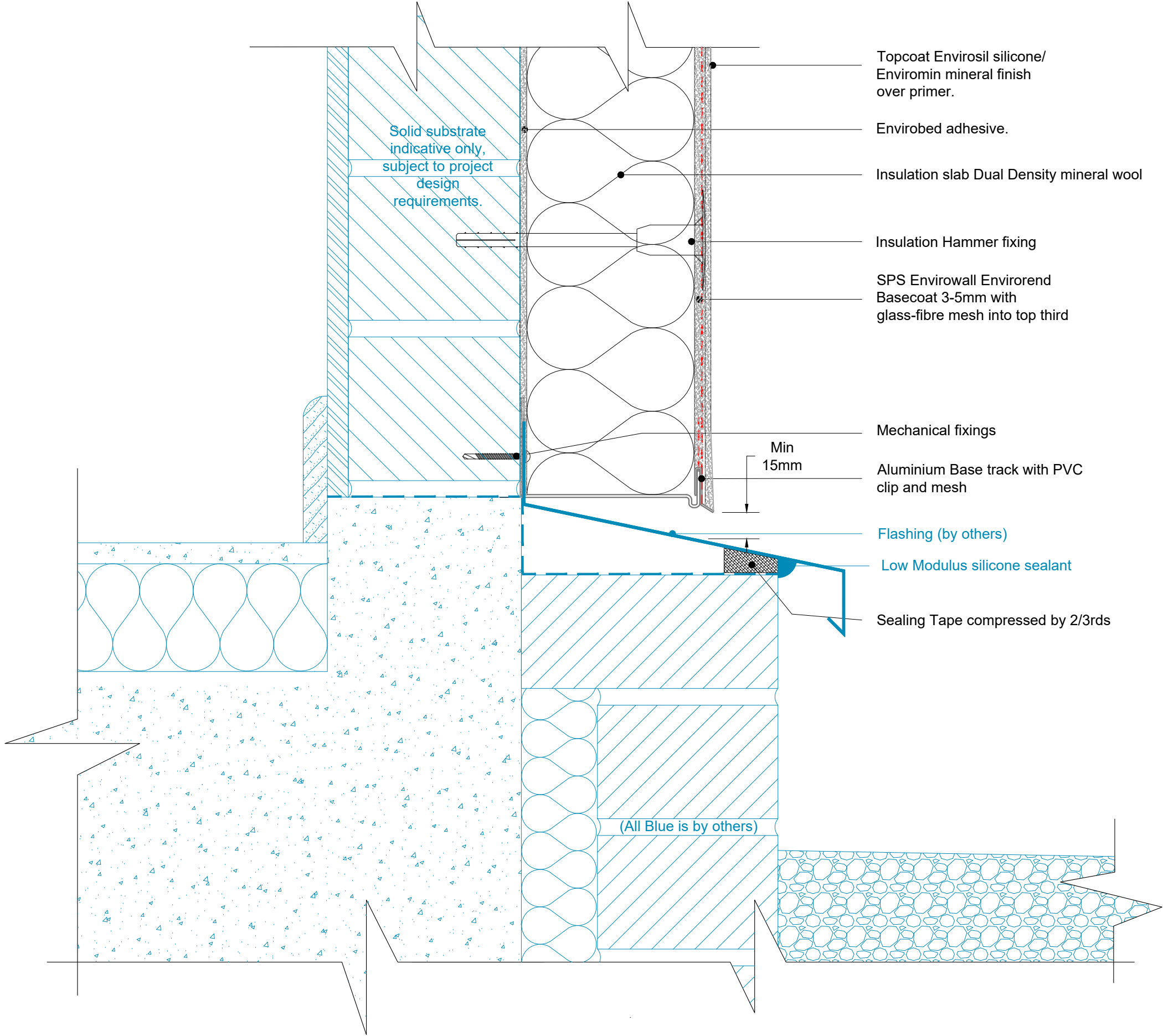


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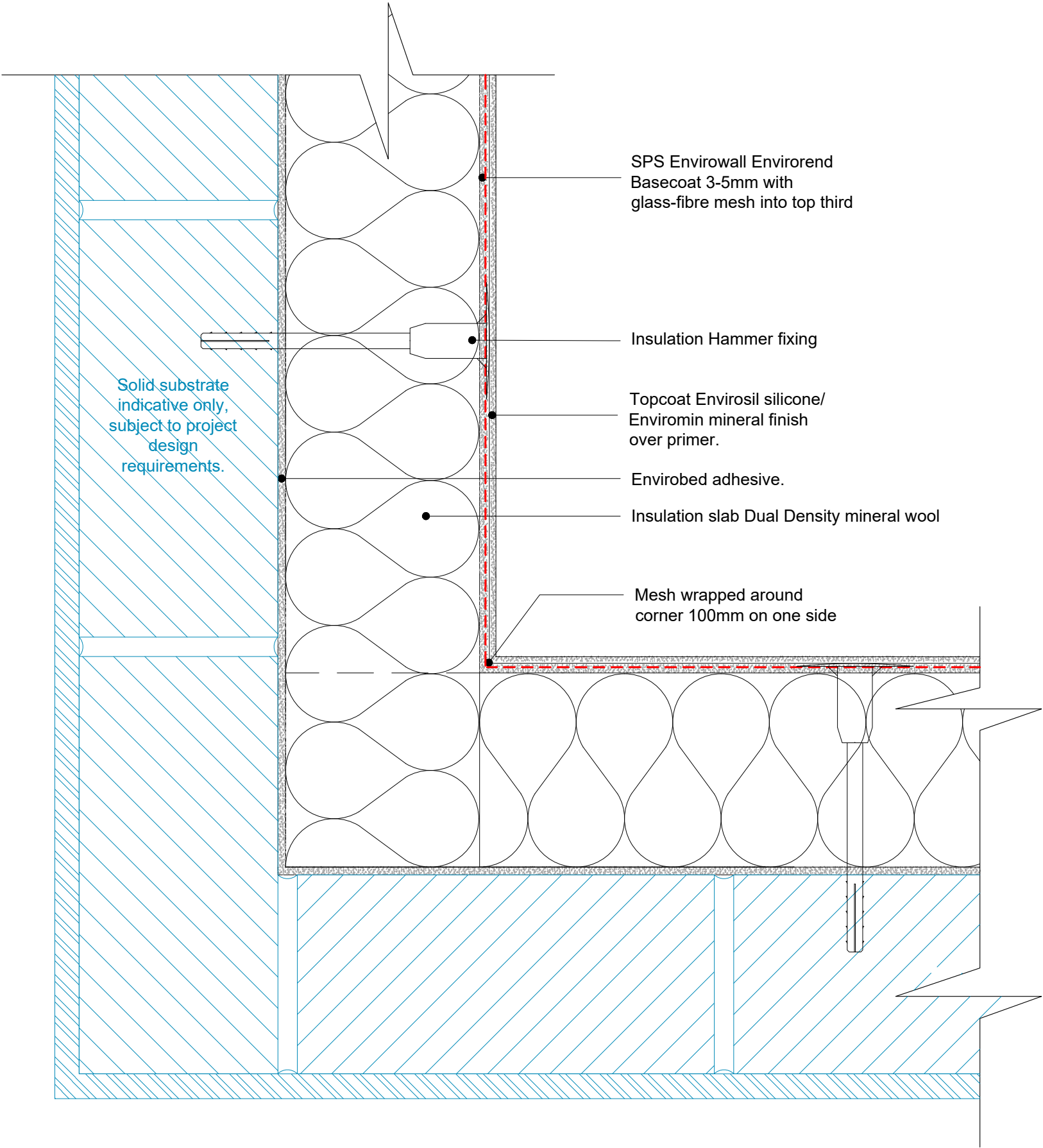
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				DRAWING No: TD-DF-M-MW-R-03		NTS@A3
				DESCRIPTION:		DATE:
				Base Brick Detail with flashing cover		Dec 22
						REV:
						A



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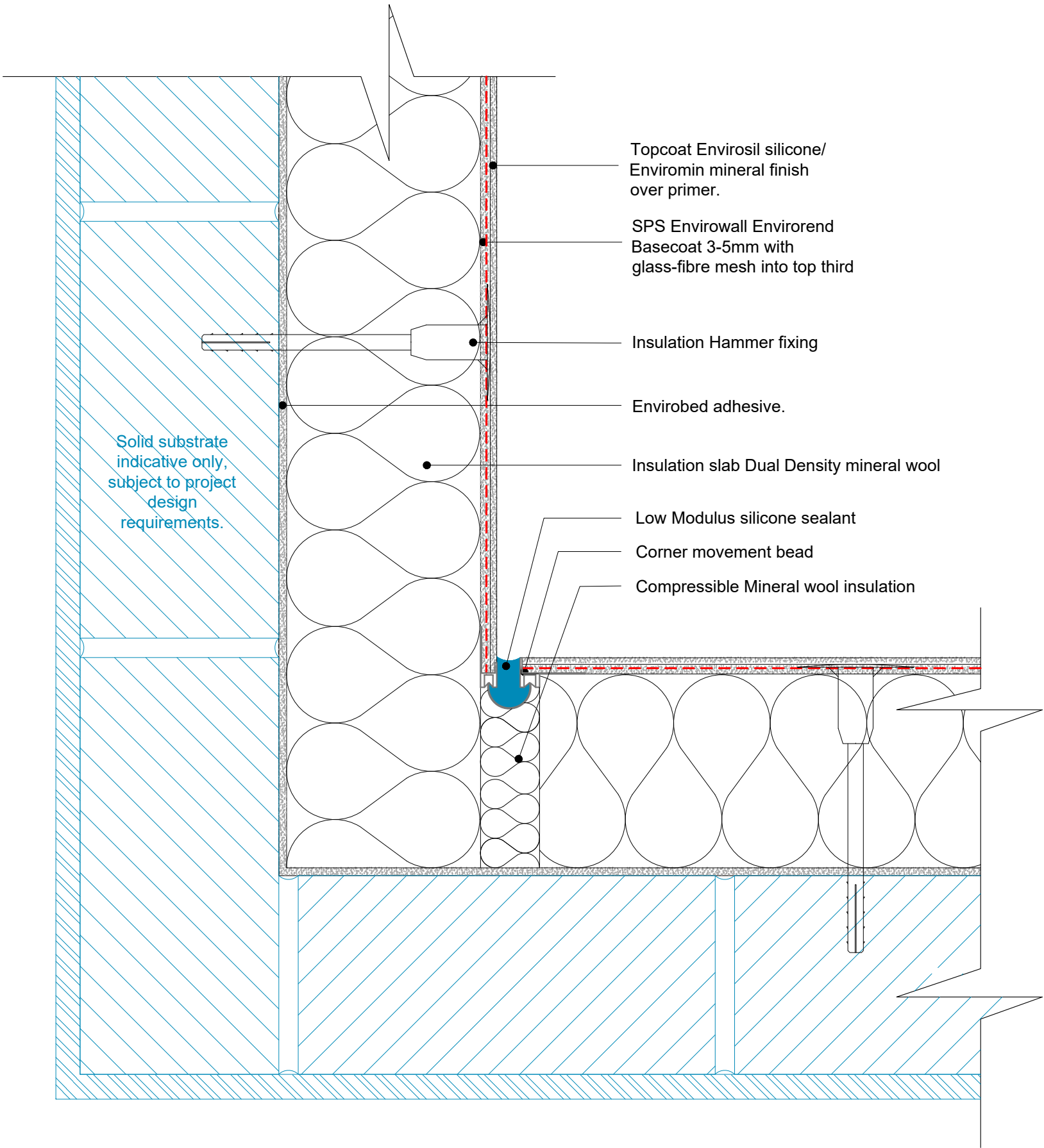
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				DESCRIPTION:		NTS@A3
				Internal Corner		DATE:
						Dec 22
						REV:
						A



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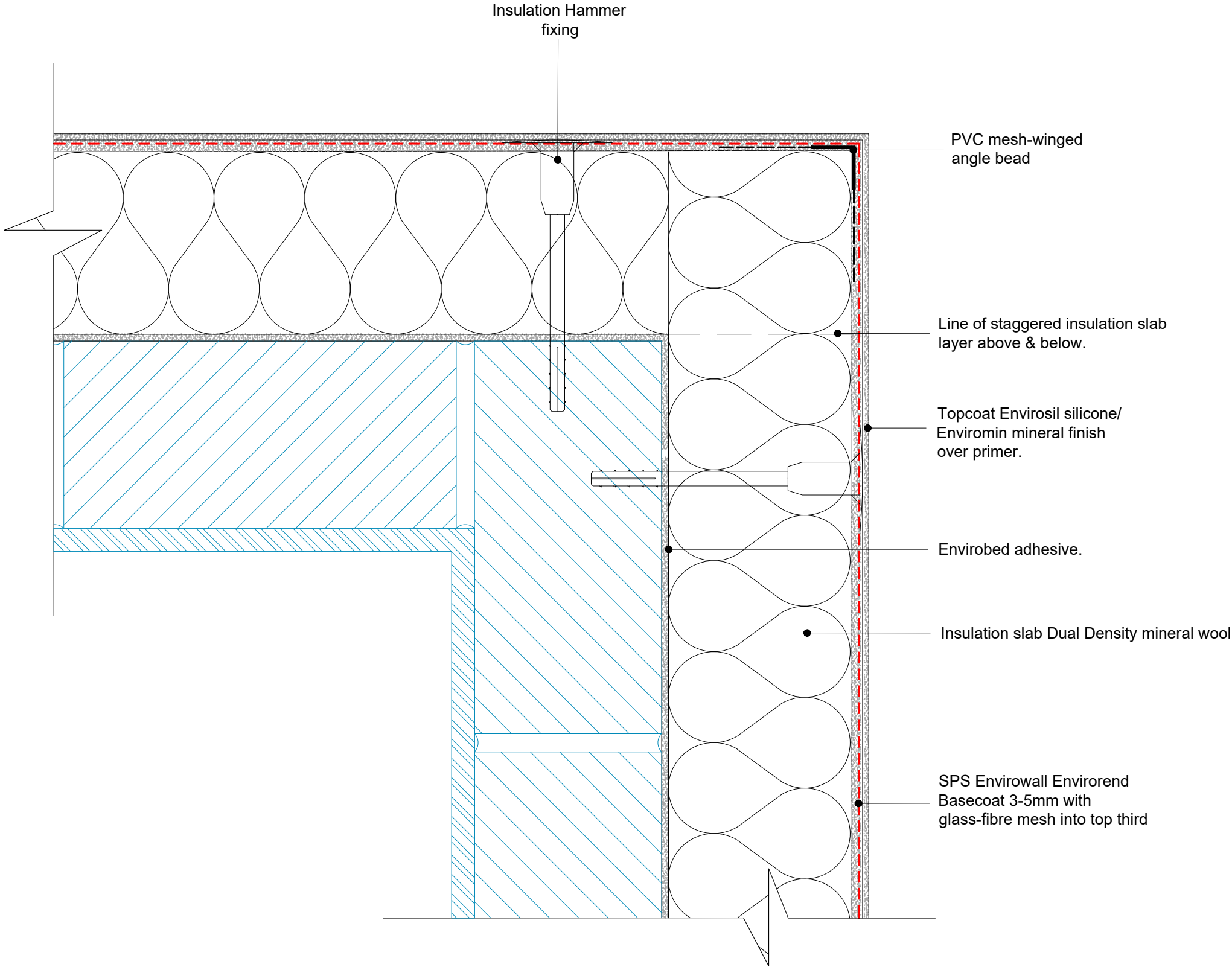


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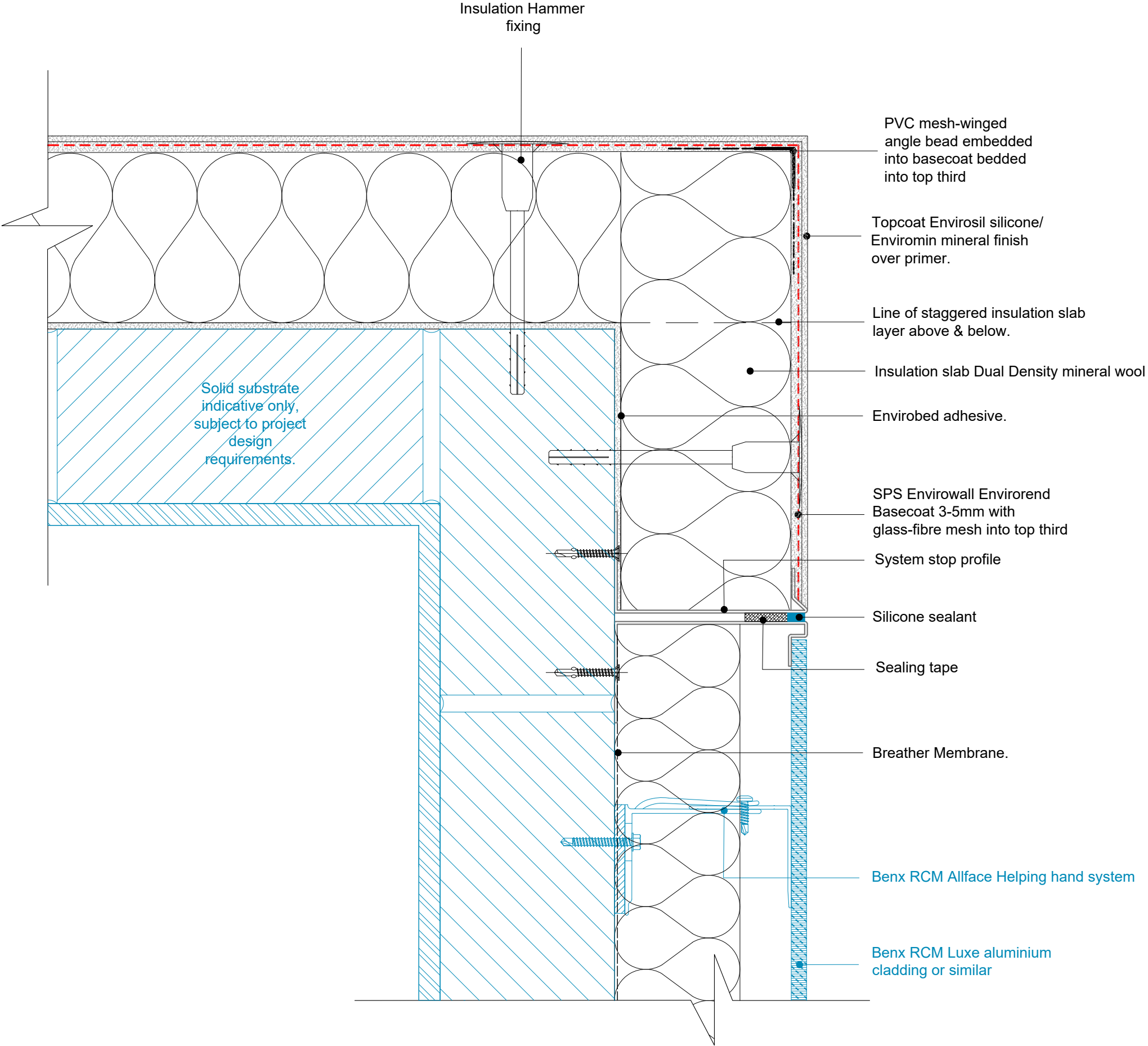
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				DESCRIPTION:		NTS@A3
				Internal Corner with movement joint bead		DATE:
						Dec 22
						REV:
						A

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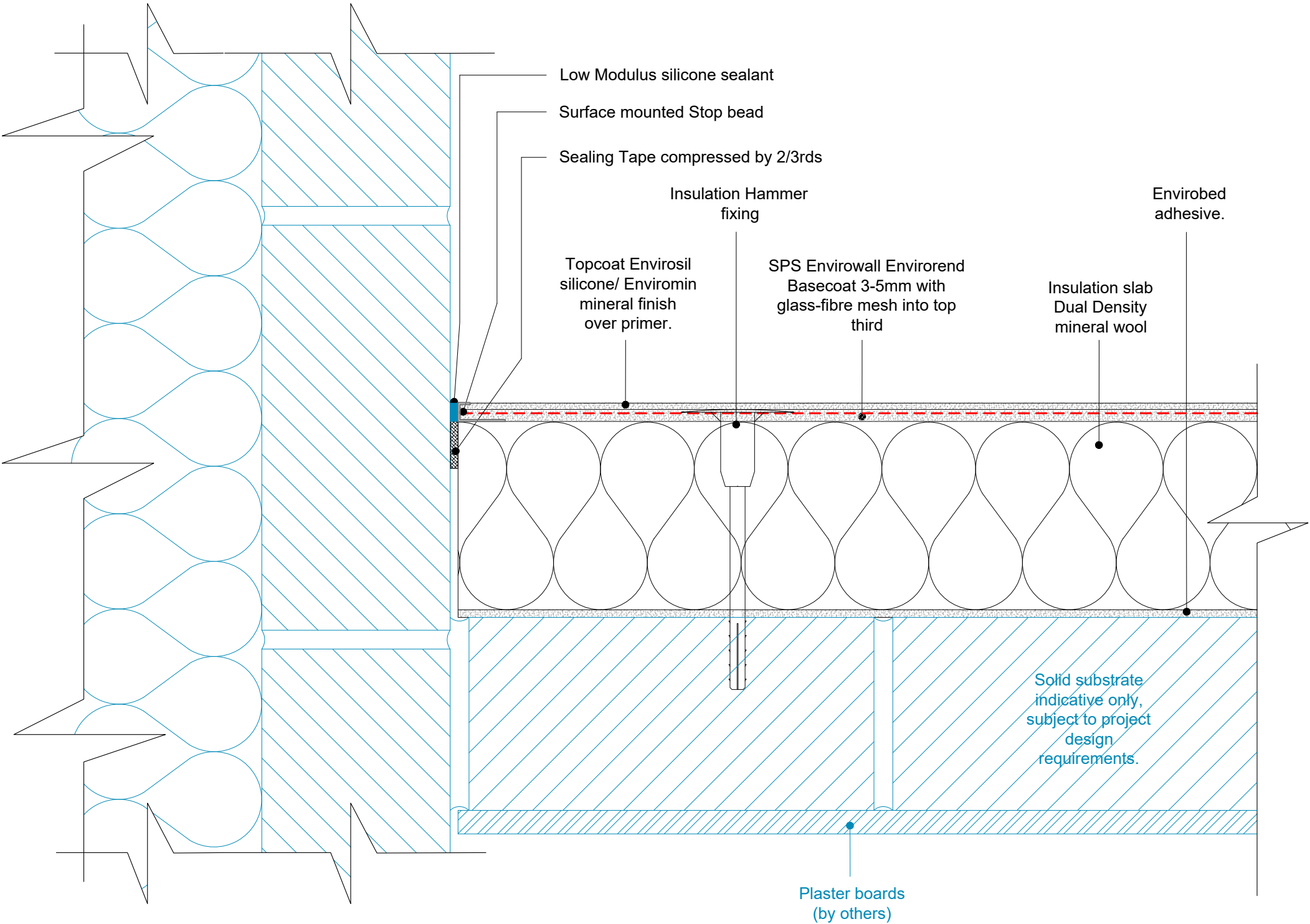
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						REV:
						A

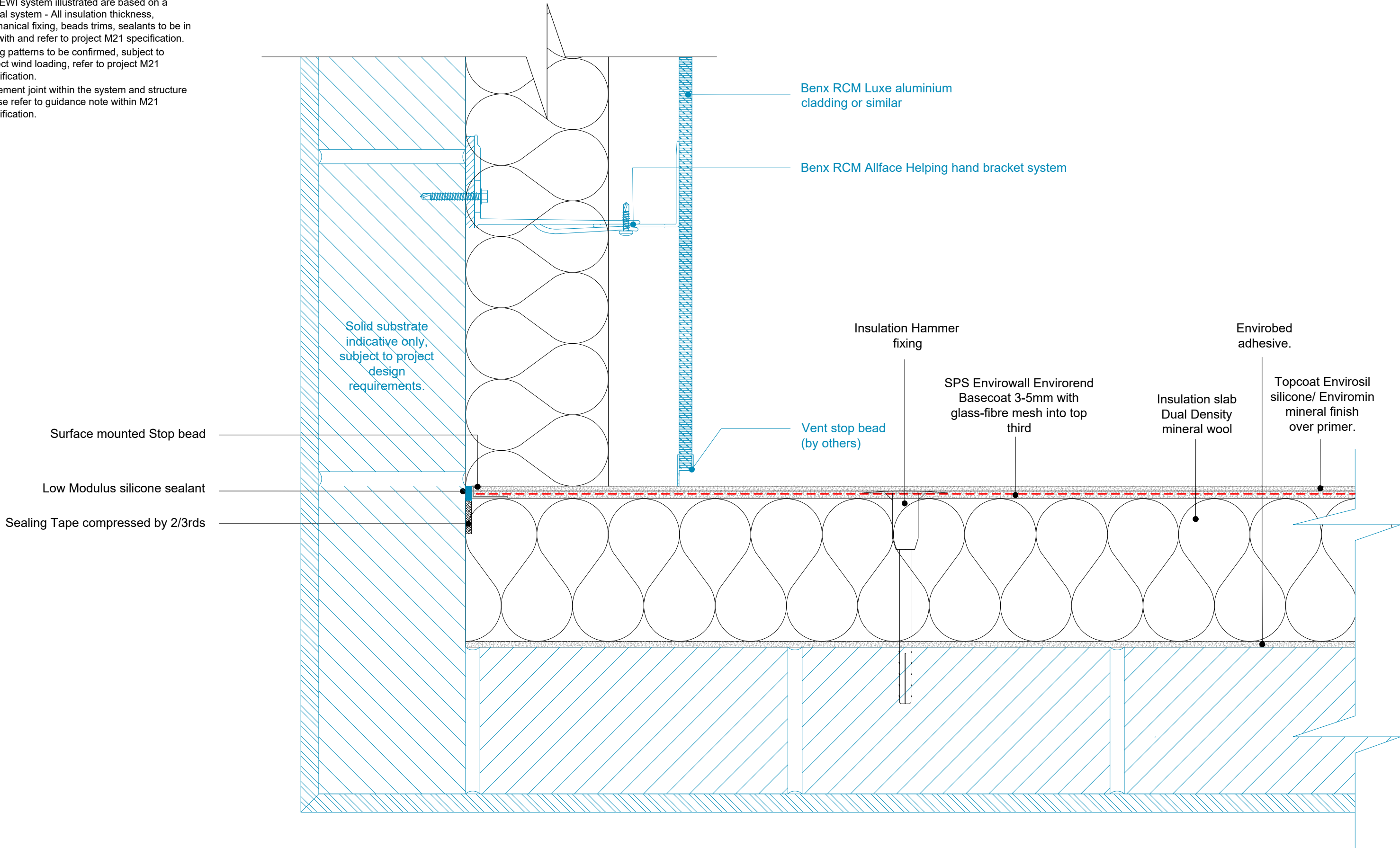
Note:

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				Brick work Abutment joint		DATE:
						Dec 22
						REV:
						A

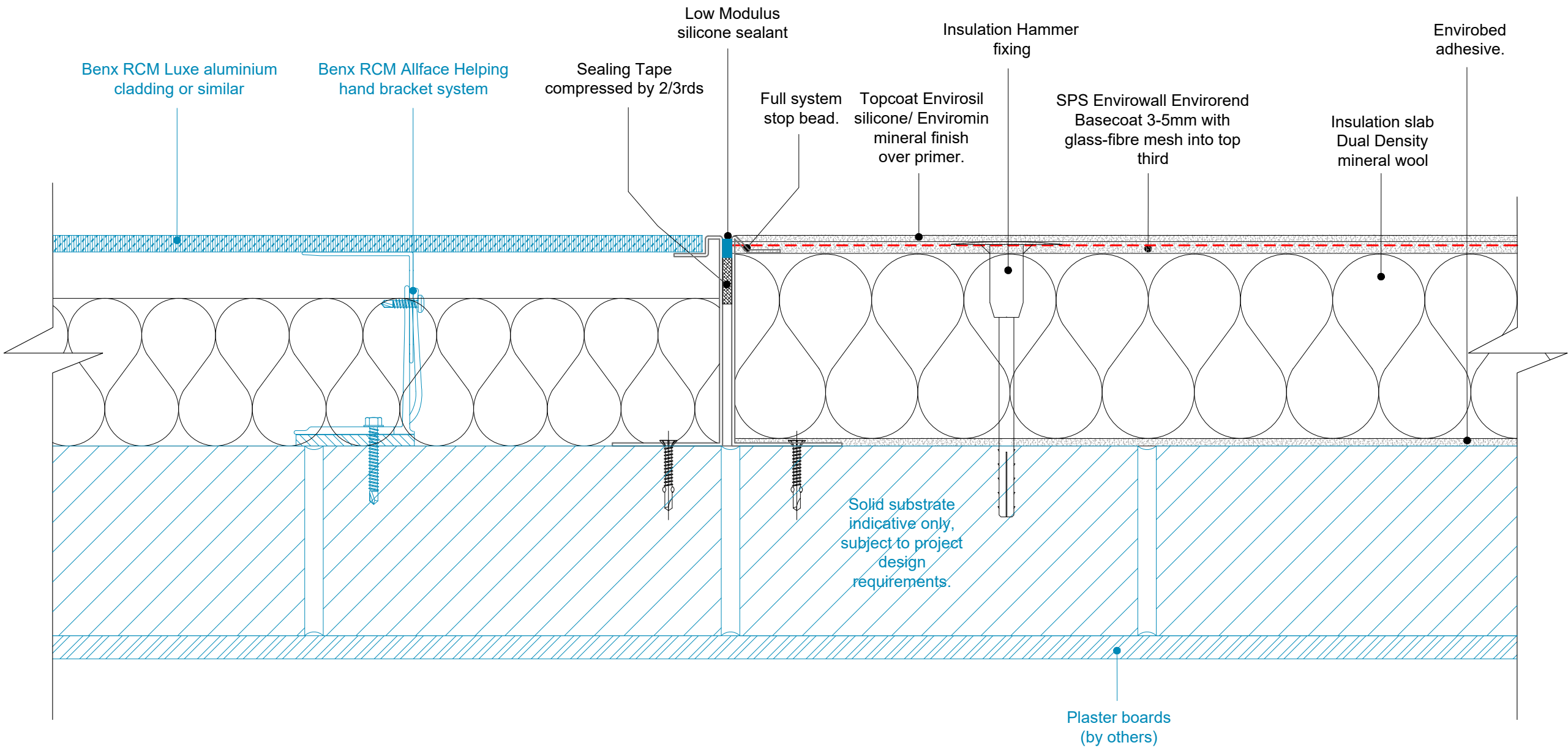
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				DRAWING No: TD-DF-M-MW-R-09		DS
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				Abutment joint with other cladding		DATE:
						Dec 22
						REV:
						A

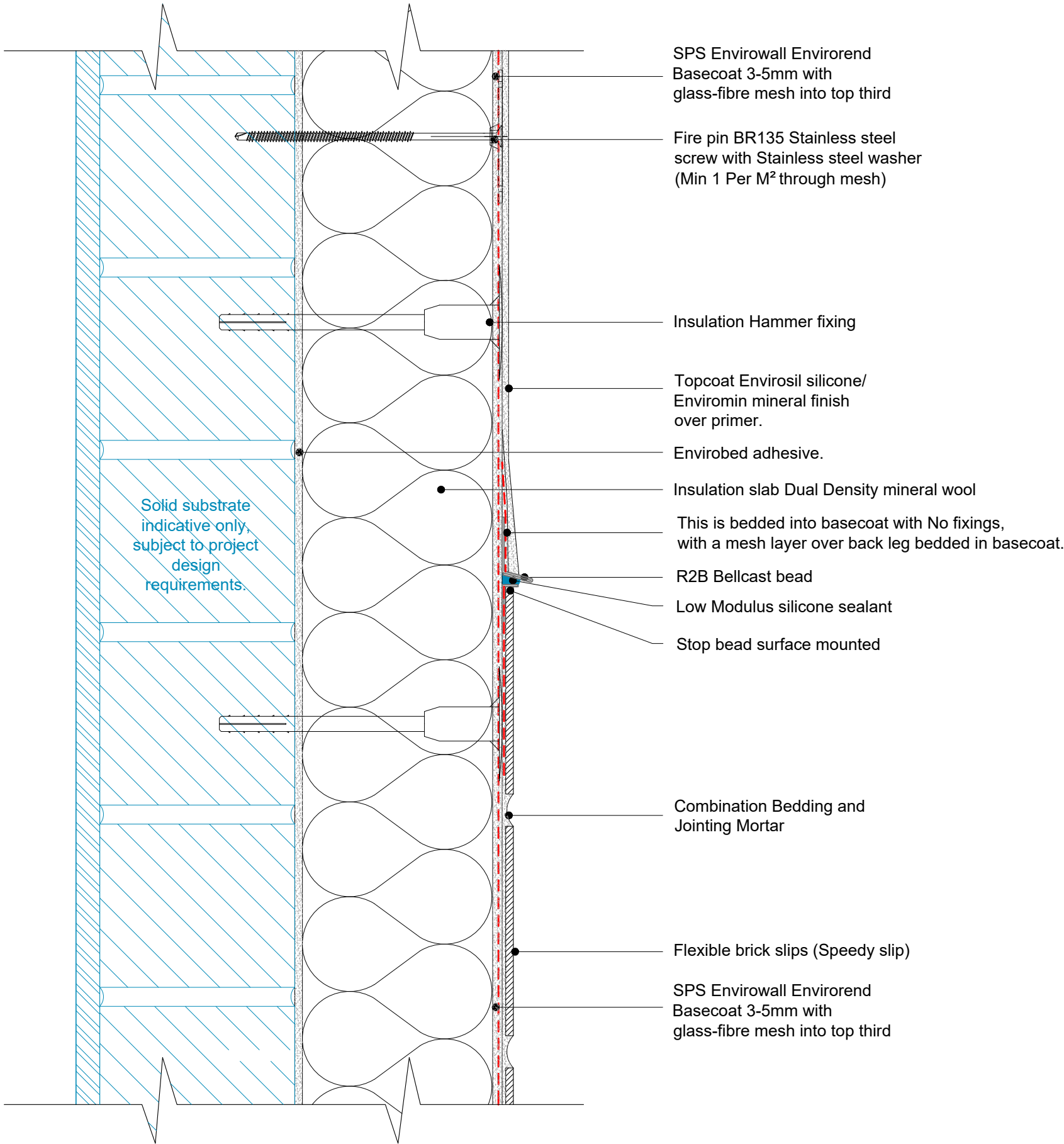
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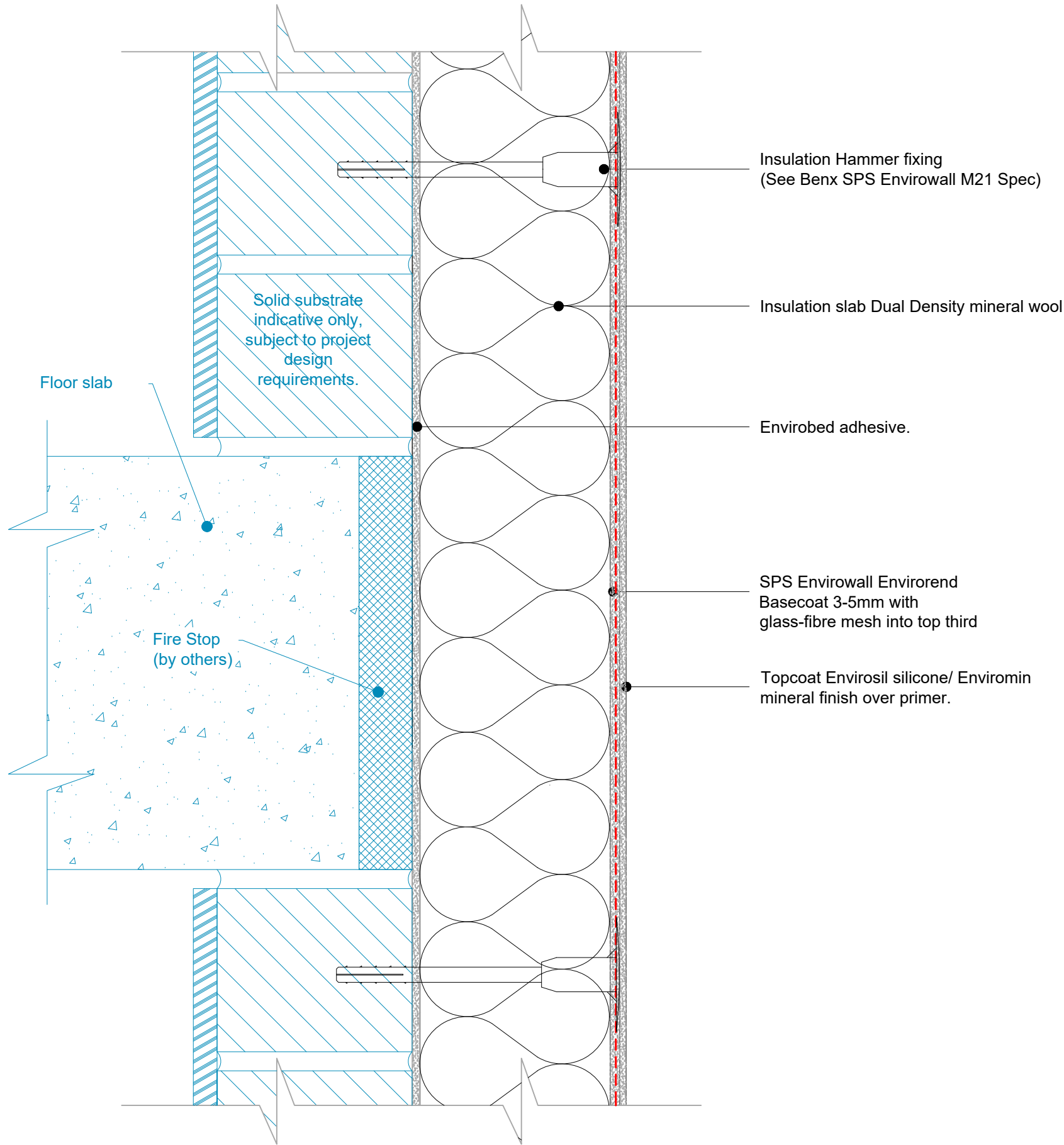


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				TYPICAL DETAILS DIRECT FIX		DS
				DRAWING No: TD-DF-M-MW-R-10		NTS@A3
				DESCRIPTION:		DATE:
				Joint with other cladding system		Dec 22
						REV:
						A

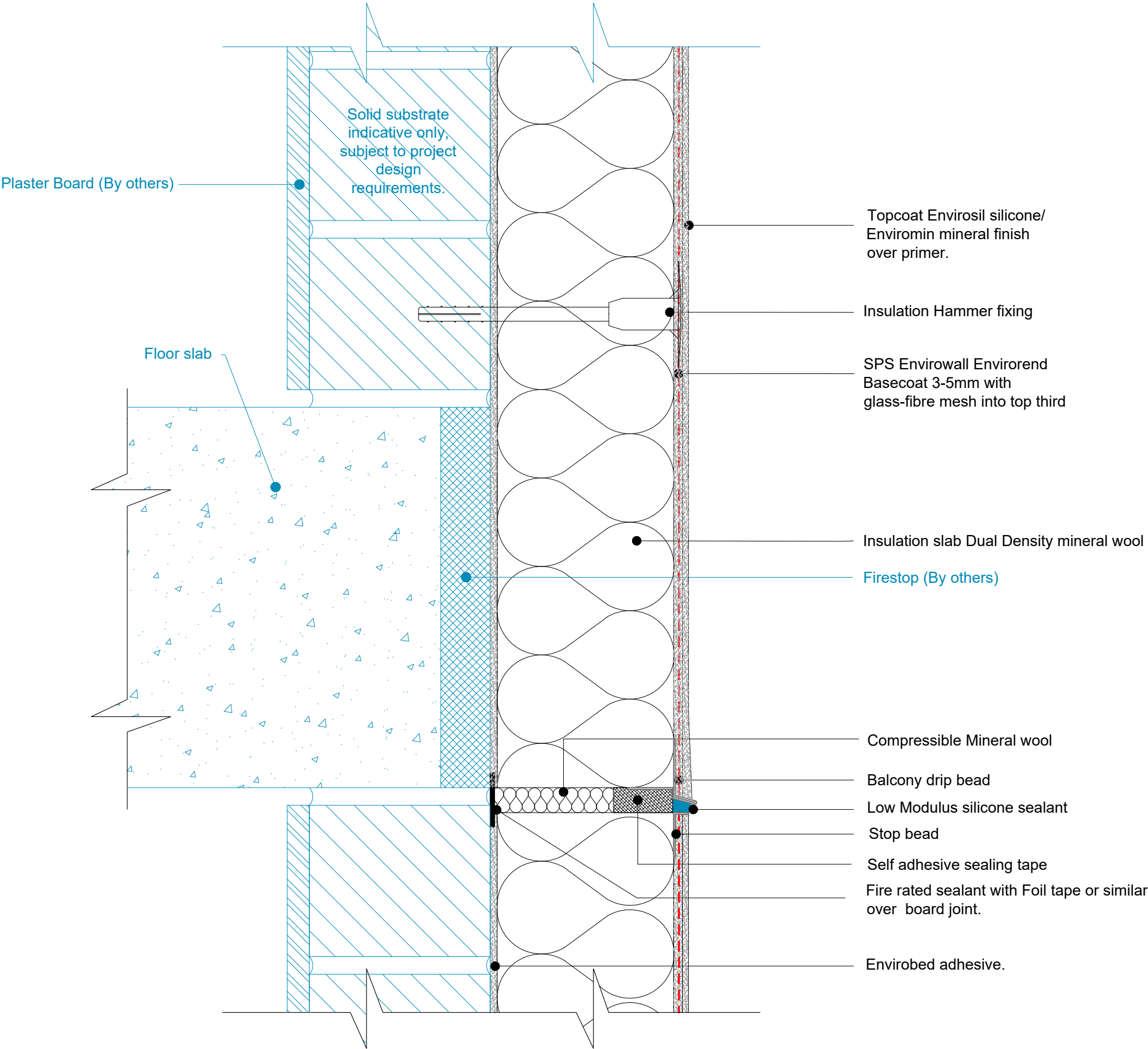
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 4. Variations in line and level of slab taken up with fire stop material.

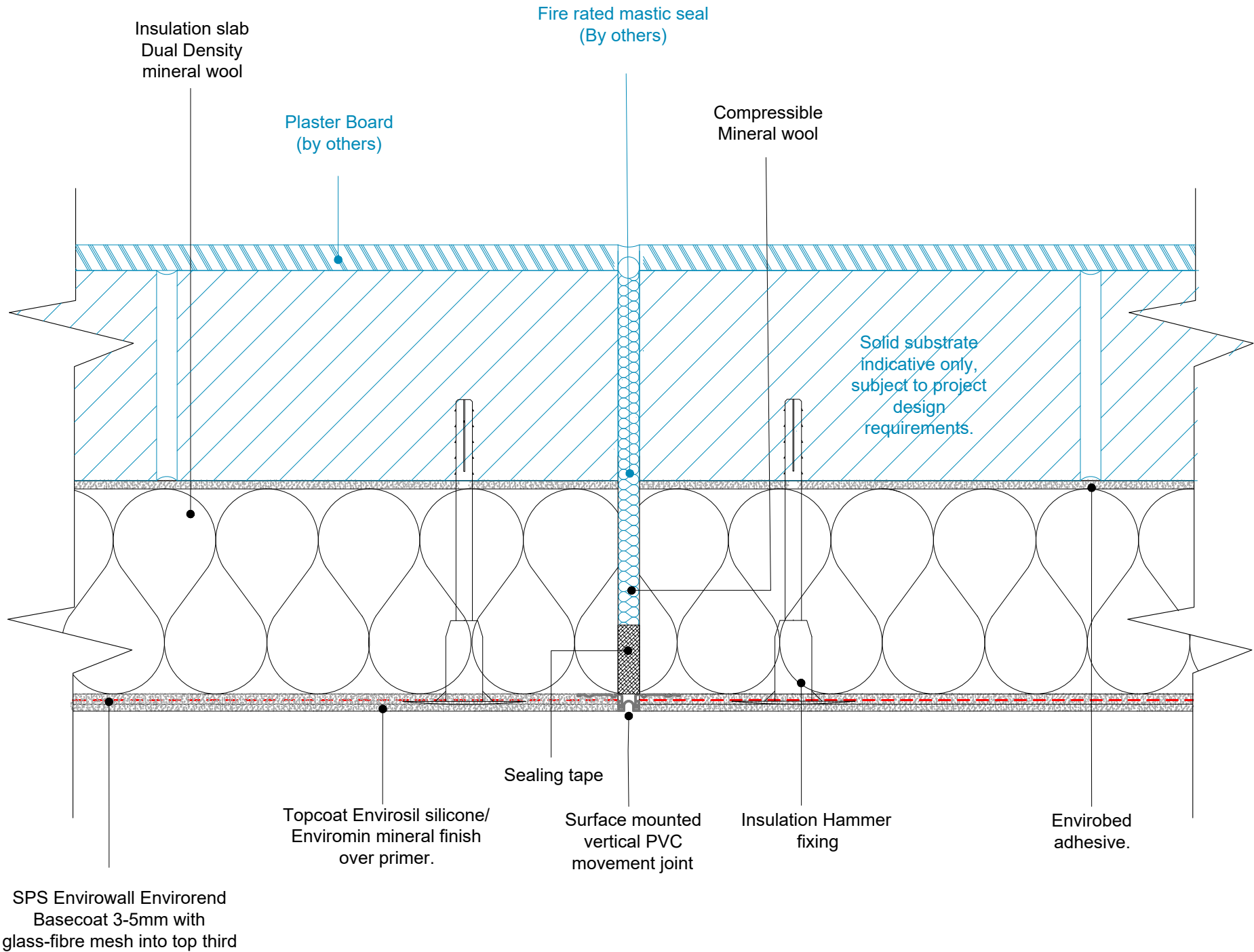


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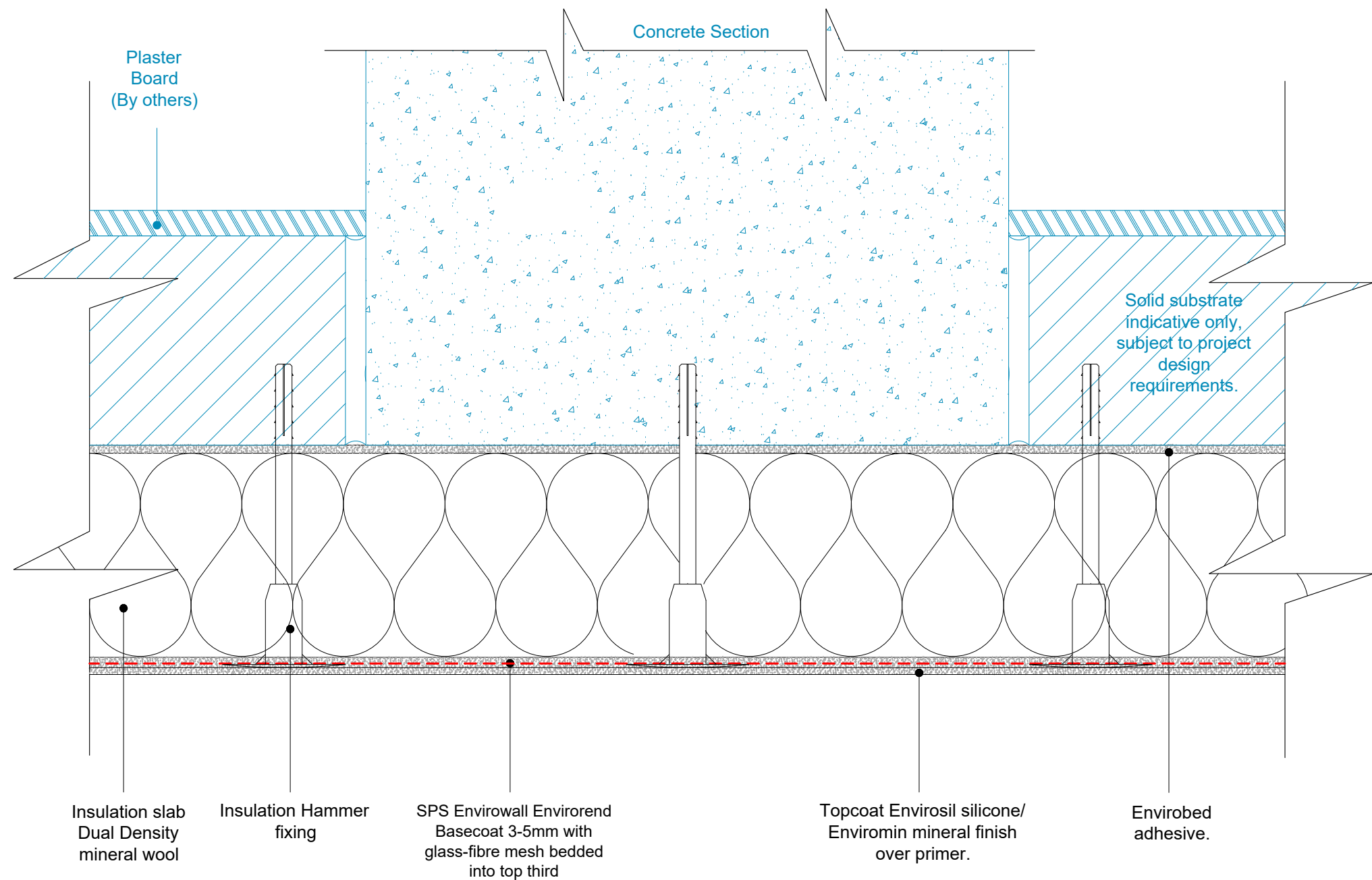


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				DESCRIPTION:		NTS@A3
				Edge slab detail with inbuilt movement detail		DATE:
						Dec 22
						REV:
						A

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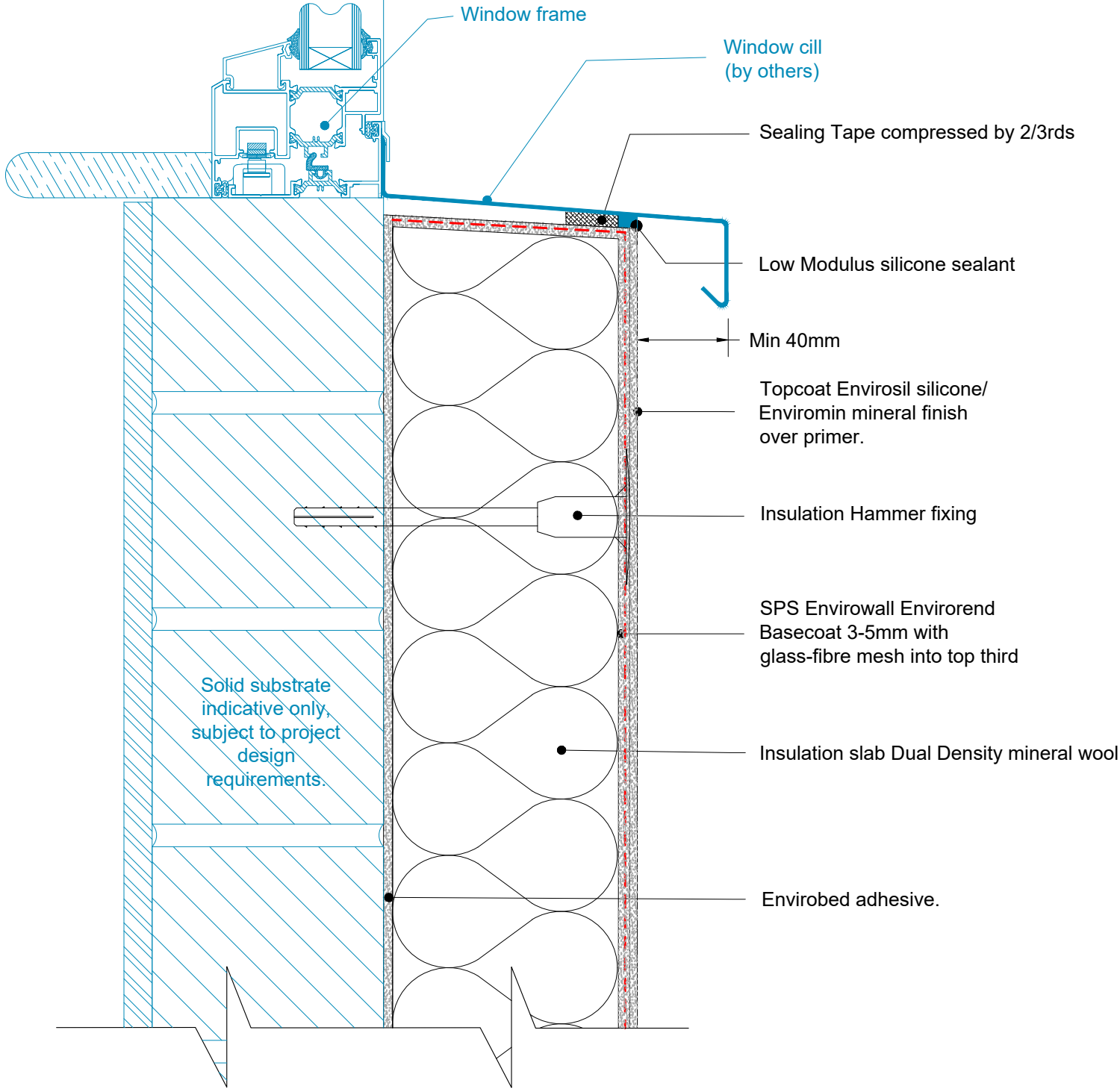


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4. Air tightness and sealant detail between window / door to sheathing board / structure by others.



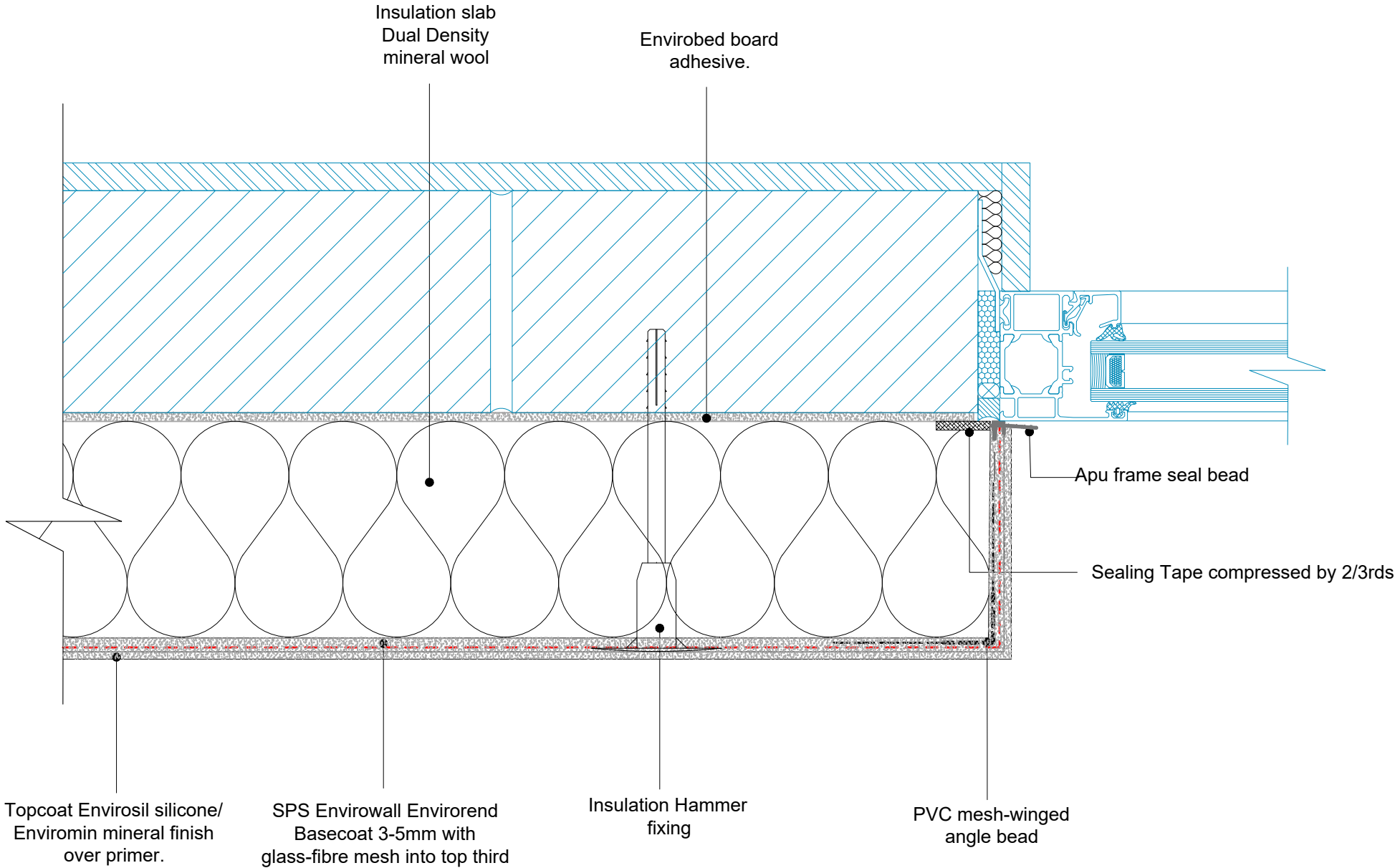
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				TYPICAL DETAILS DIRECT FIX		DS
				DRAWING No: TD-DF-M-MW-R-17		NTS@A3
				DESCRIPTION:		DATE:
				Window Cill		Dec 22
						REV:
						A

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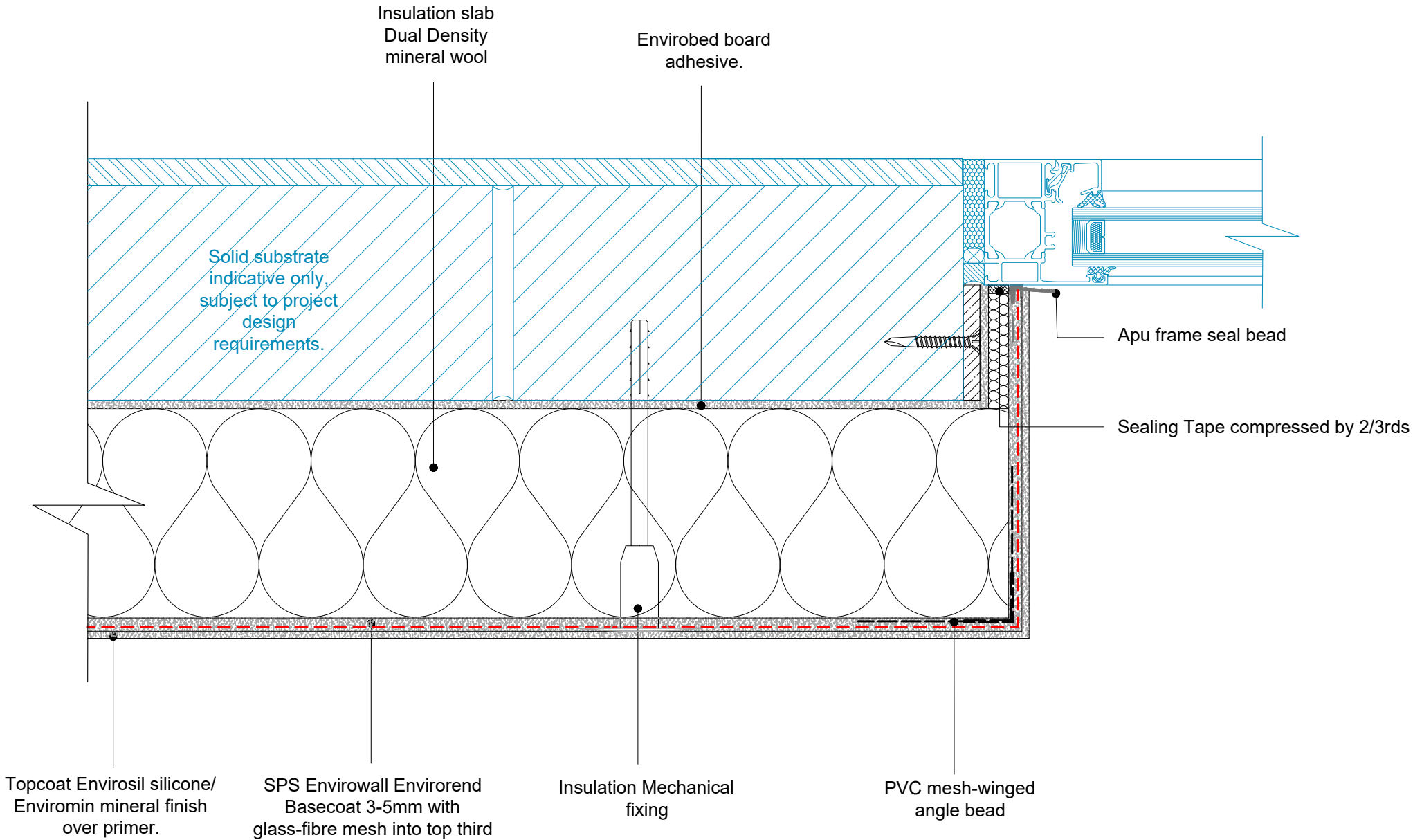
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				DRAWING No: TD-DF-M-MW-R-18		DS
				DESCRIPTION:		NTS@A3
				Window Reveal		DATE:
						Dec 22
						REV:
						A

Note:

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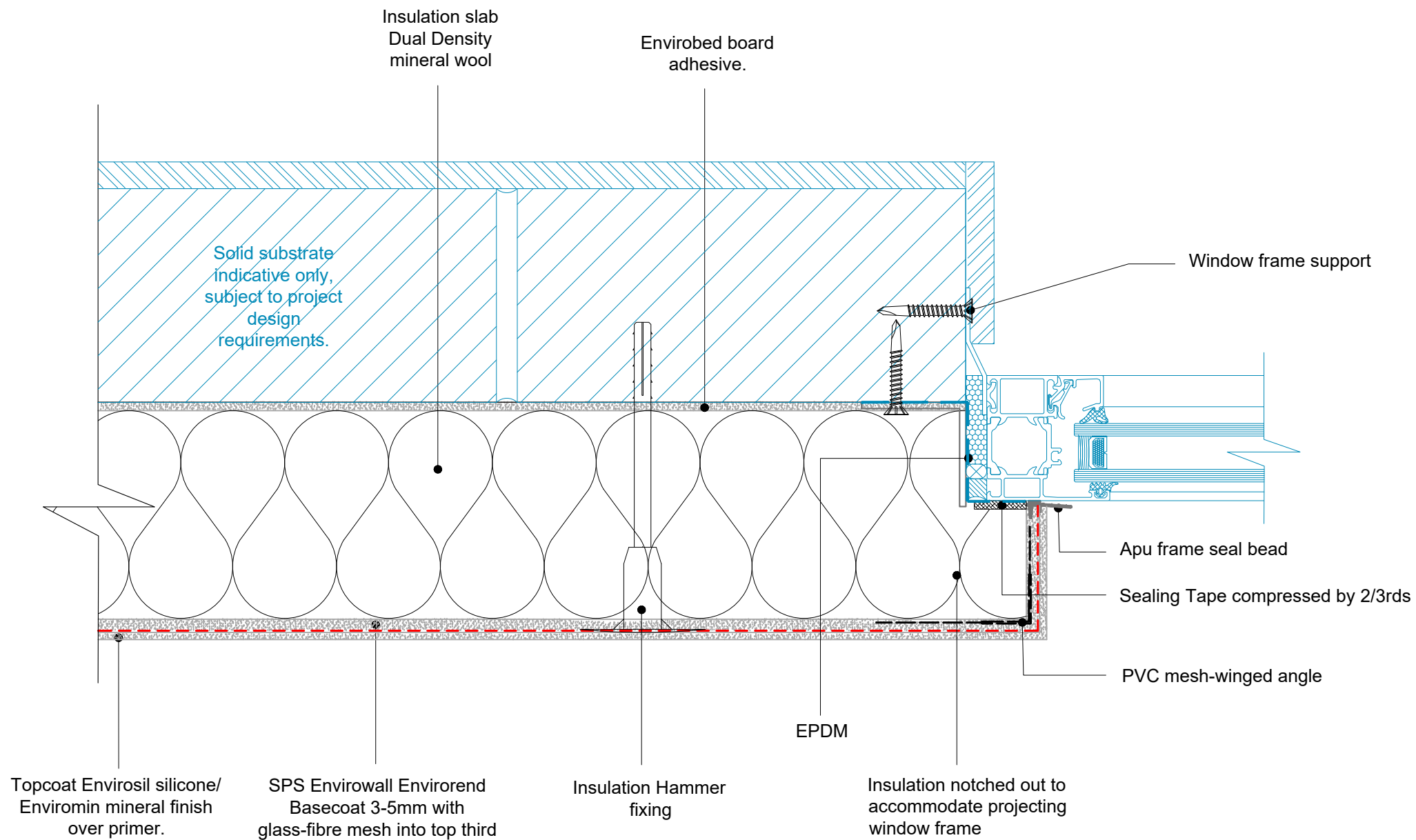


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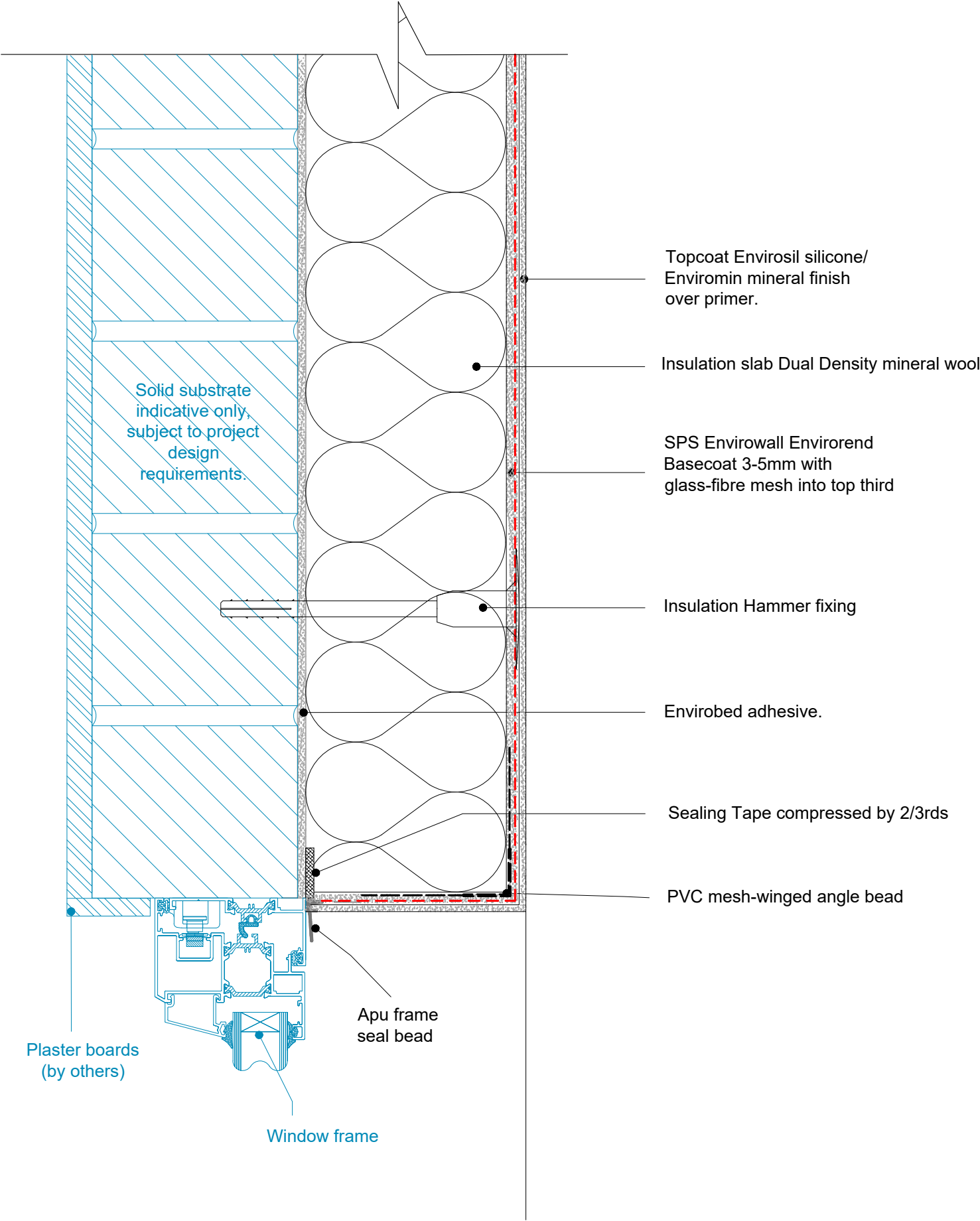
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				DESCRIPTION:		NTS@A3
				Window Reveal with window set back		DATE:
						Dec 22
						REV:
						A

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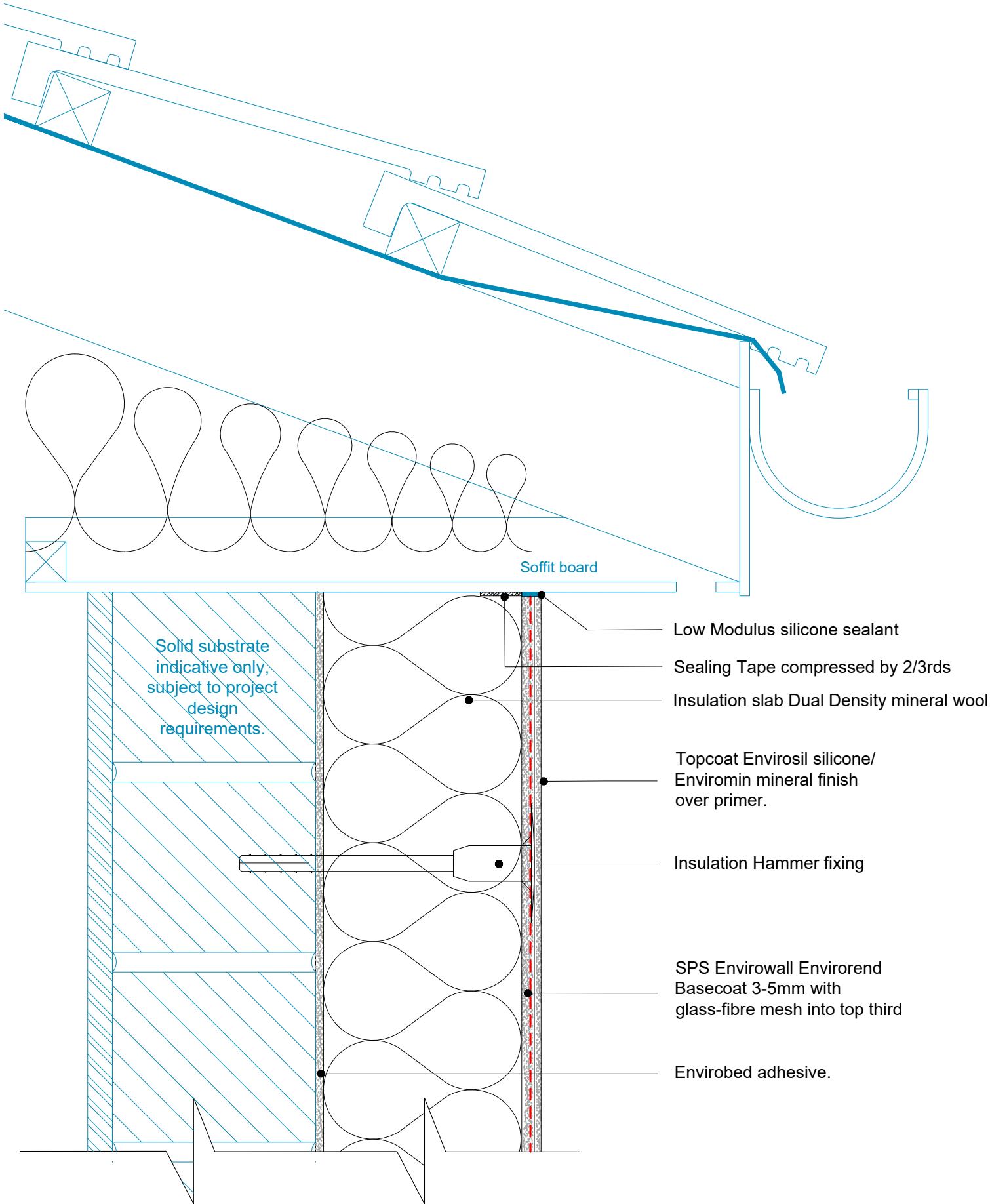
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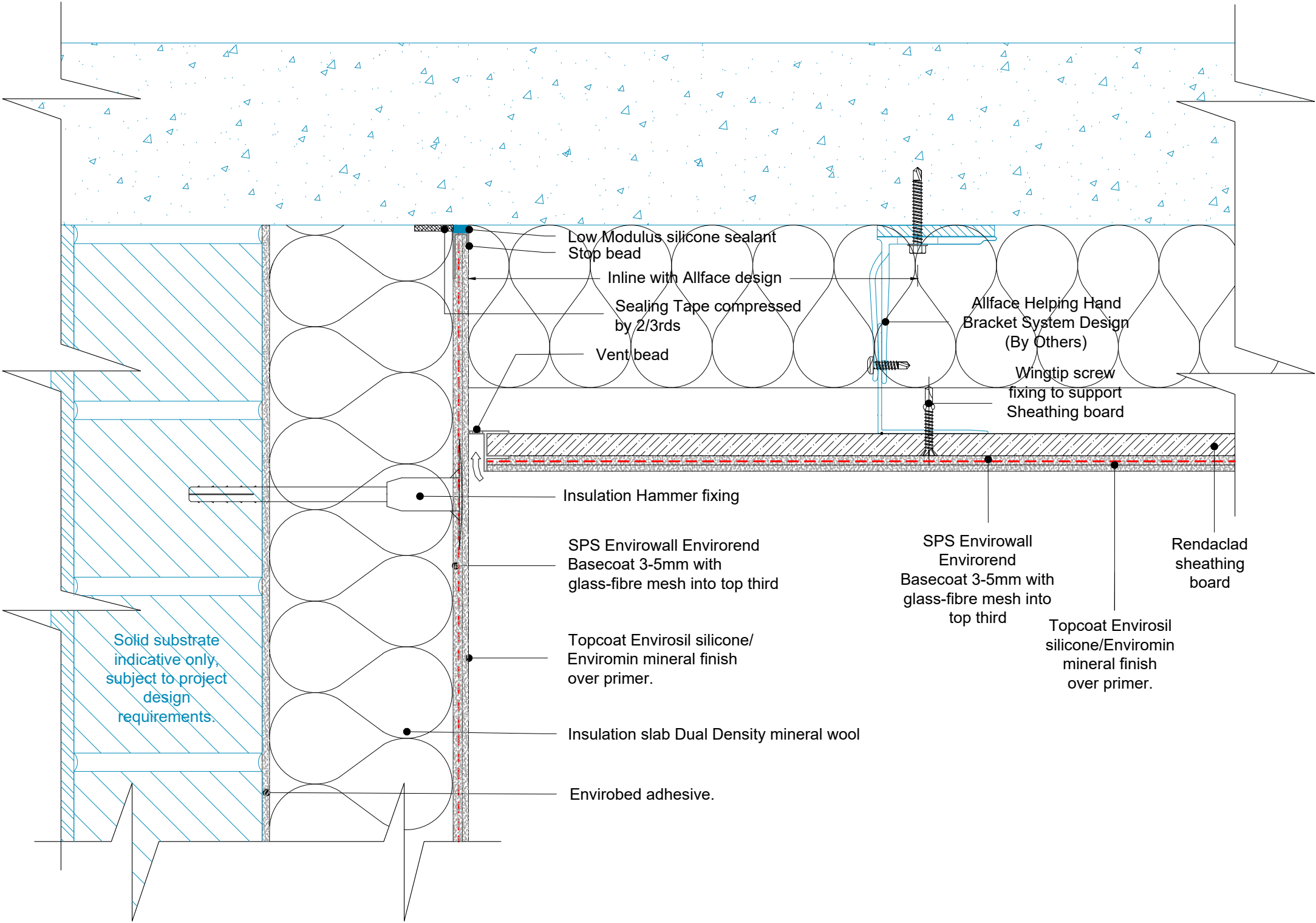
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				DESCRIPTION:		NTS@A3
				Soffit Detail		DATE:
						Dec 22
						REV:
						A

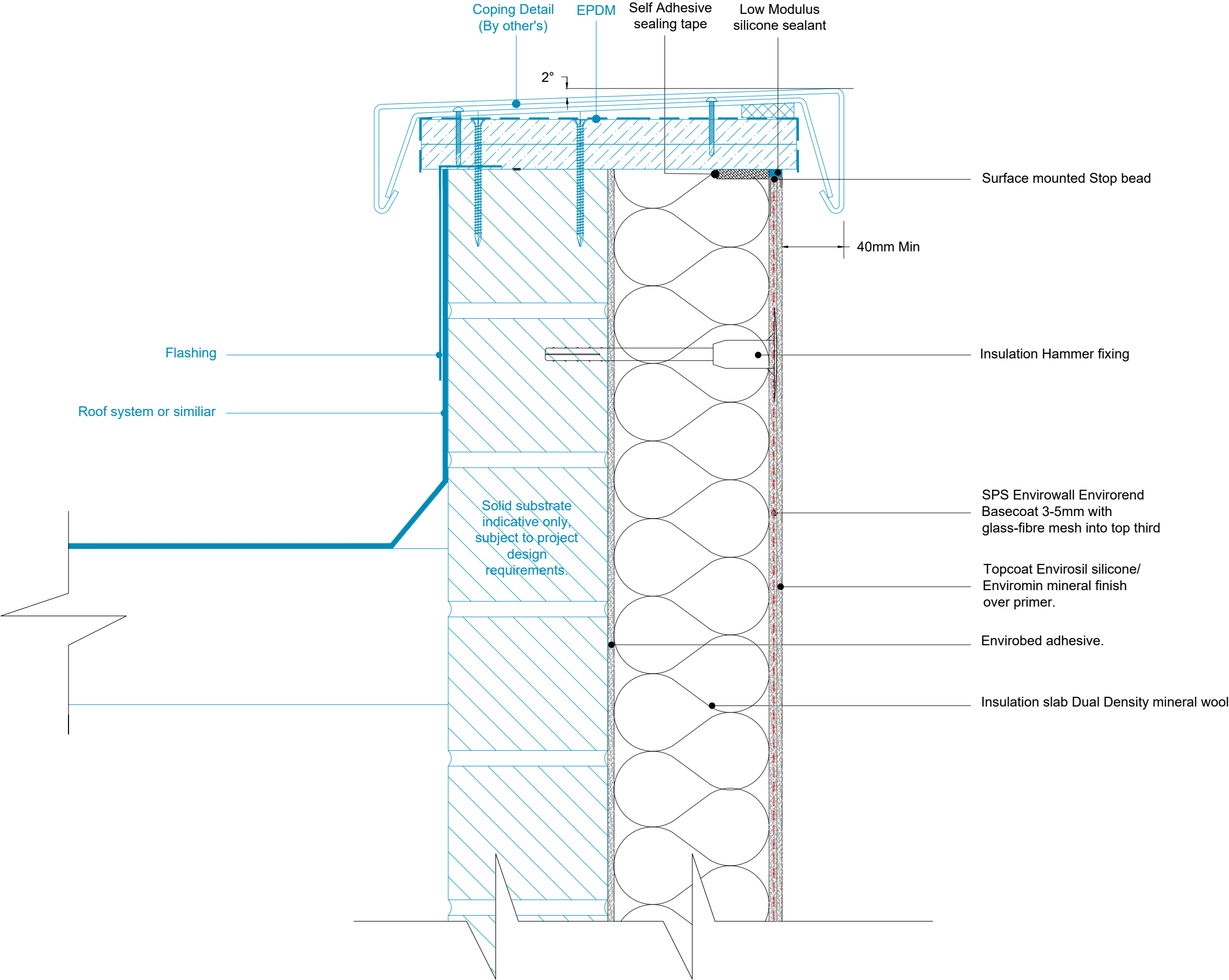
Note:

- 1. The EWI system illustrated are based on a typical system - All insulation thickness, mechanical fixing, beads trims, sealants to be in line with and refer to project M21 specification.
- 2. Fixing patterns to be confirmed, subject to project wind loading, refer to project M21 specification.
- 3. Movement joint within the system and structure please refer to guidance note within M21 specification.



REV	DATE	NOTE	BY	STATUS:	INFORMATION	DRAWN:
A	06/12/22	First Issue	AG	PROJECT:	ISO No: 5201-TD-M	AG
				TYPICAL DETAILS DIRECT FIX		CHECK:
				DRAWING No: TD-DF-M-MW-R-23		DS
				DESCRIPTION:		NTS@A3
				Suspended soffit Detail		DATE:
						Dec 22
						REV:
						A

- Note:
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 - 2. Fixing patterns to be confirmed, subject to project wind loading, refer to project M21 specification.
 - 3. Movement joint within the system and structure please refer to guidance note within M21 specification.

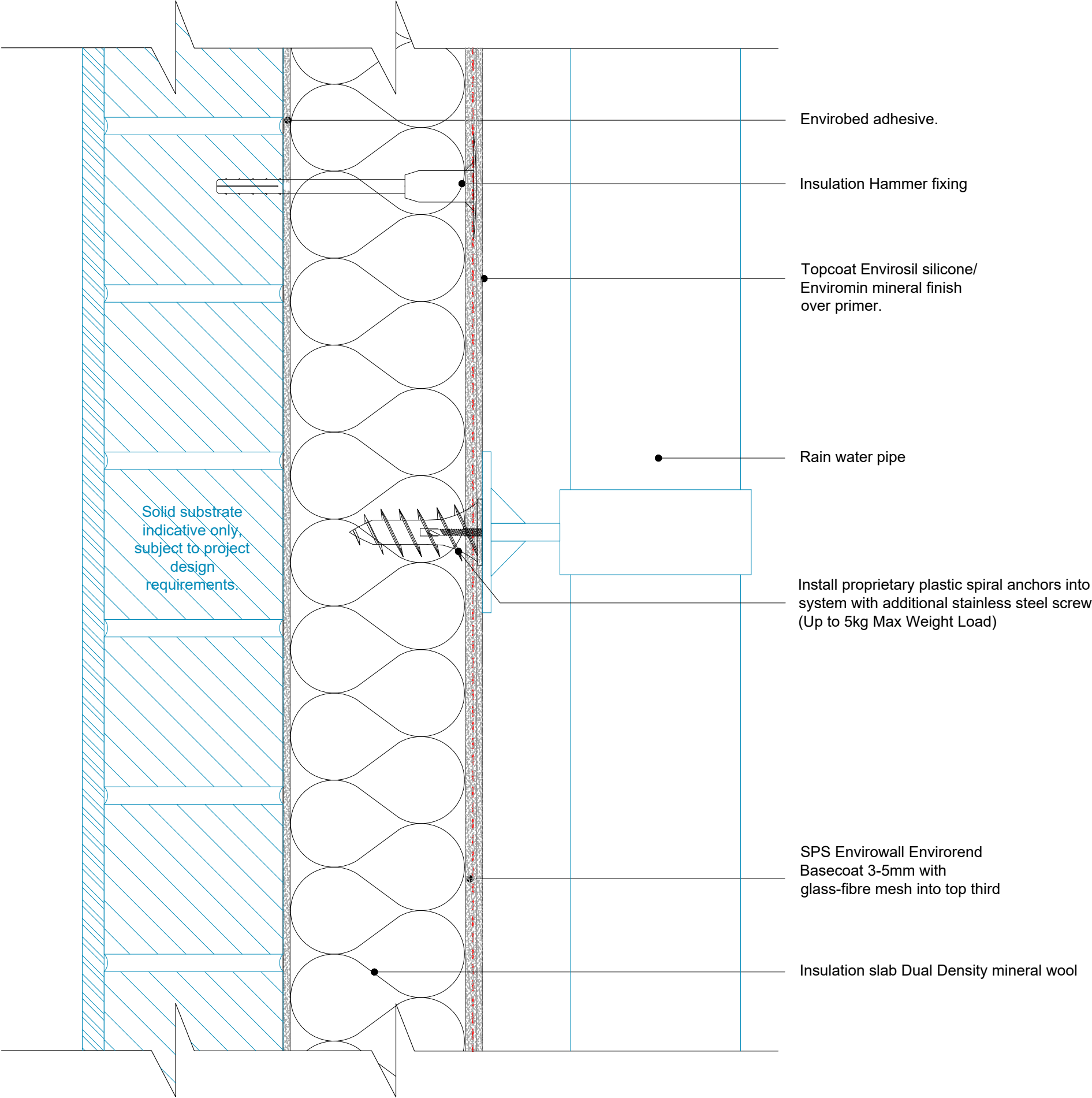


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REV	DATE	NOTE	BY	STATUS:	INFORMATION	DRAWN:
A	06/12/22	First Issue	AG	PROJECT:	ISO No: 5201-TD-M	AG
				TYPICAL DETAILS DIRECT FIX		DS
				DRAWING No: TD-DF-M-MW-R-24		NTS@A3
				DESCRIPTION:		DATE:
				Coping Detail		Dec 22
						REV:
						A

- Note:
- 1. The EWI system illustrated are based on a typical system - All insulation thickness, mechanical fixing, beads trims, sealants to be in line with and refer to project M21 specification.
 - 2. Fixing patterns to be confirmed, subject to project wind loading, refer to project M21 specification.
 - 3. Movement joint within the system and structure please refer to guidance note within M21 specification.



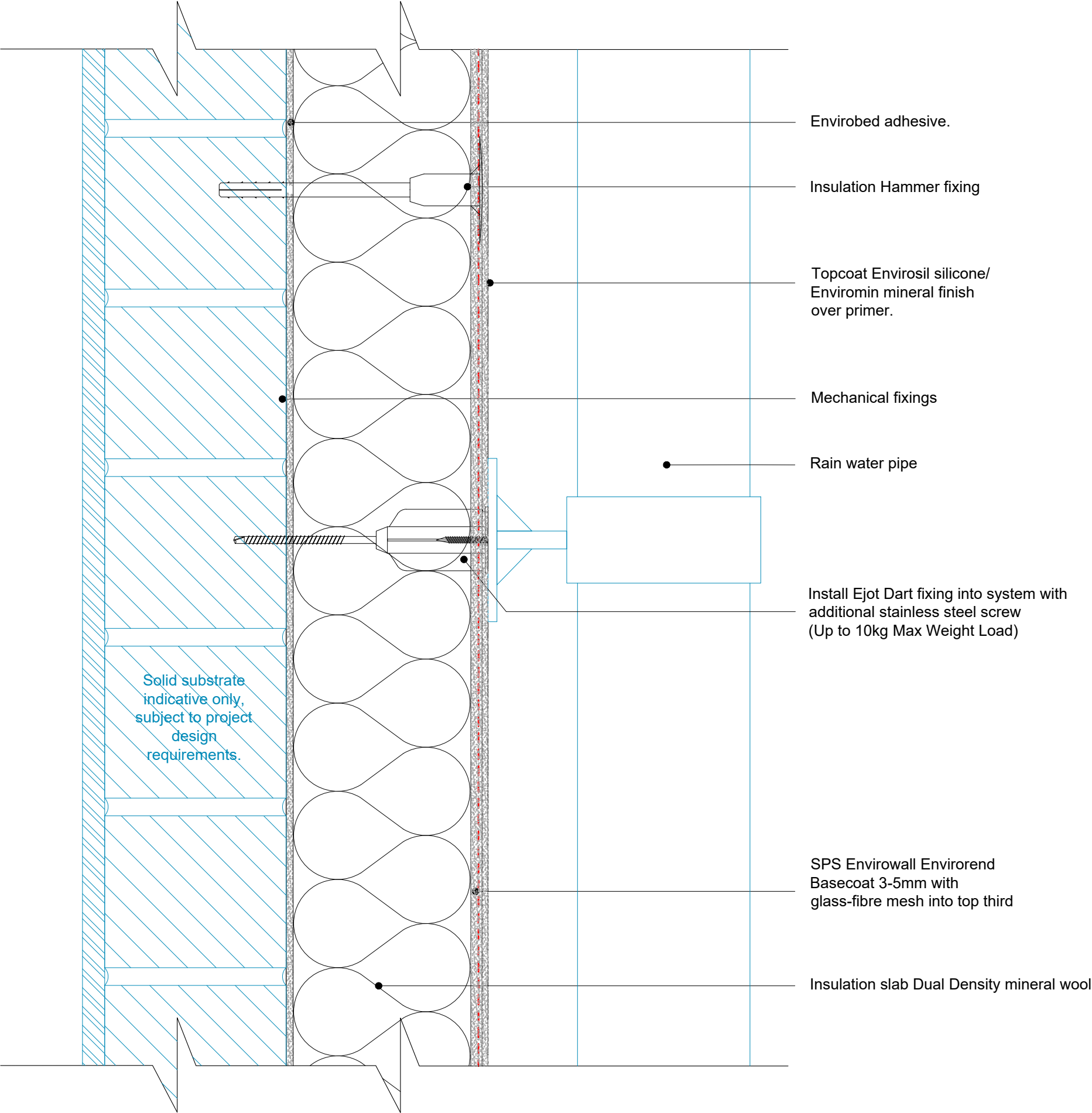
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REV	DATE	NOTE	BY	STATUS:	INFORMATION	DRAWN:
A	06/12/22	First Issue	AG	PROJECT:	ISO No: 5201-TD-M	AG
				TYPICAL DETAILS DIRECT FIX		CHECK:
				DRAWING No: TD-DF-M-MW-R-25		DS
				DESCRIPTION:		NTS@A3
				External fixing detail - Lightweight (Opt 1)		DATE:
						Dec 22
						REV:
						A



- Note:
- 1. The EWI system illustrated are based on a typical system - All insulation thickness, mechanical fixing, beads trims, sealants to be in line with and refer to project M21 specification.
 - 2. Fixing patterns to be confirmed, subject to project wind loading, refer to project M21 specification.
 - 3. Movement joint within the system and structure please refer to guidance note within M21 specification.



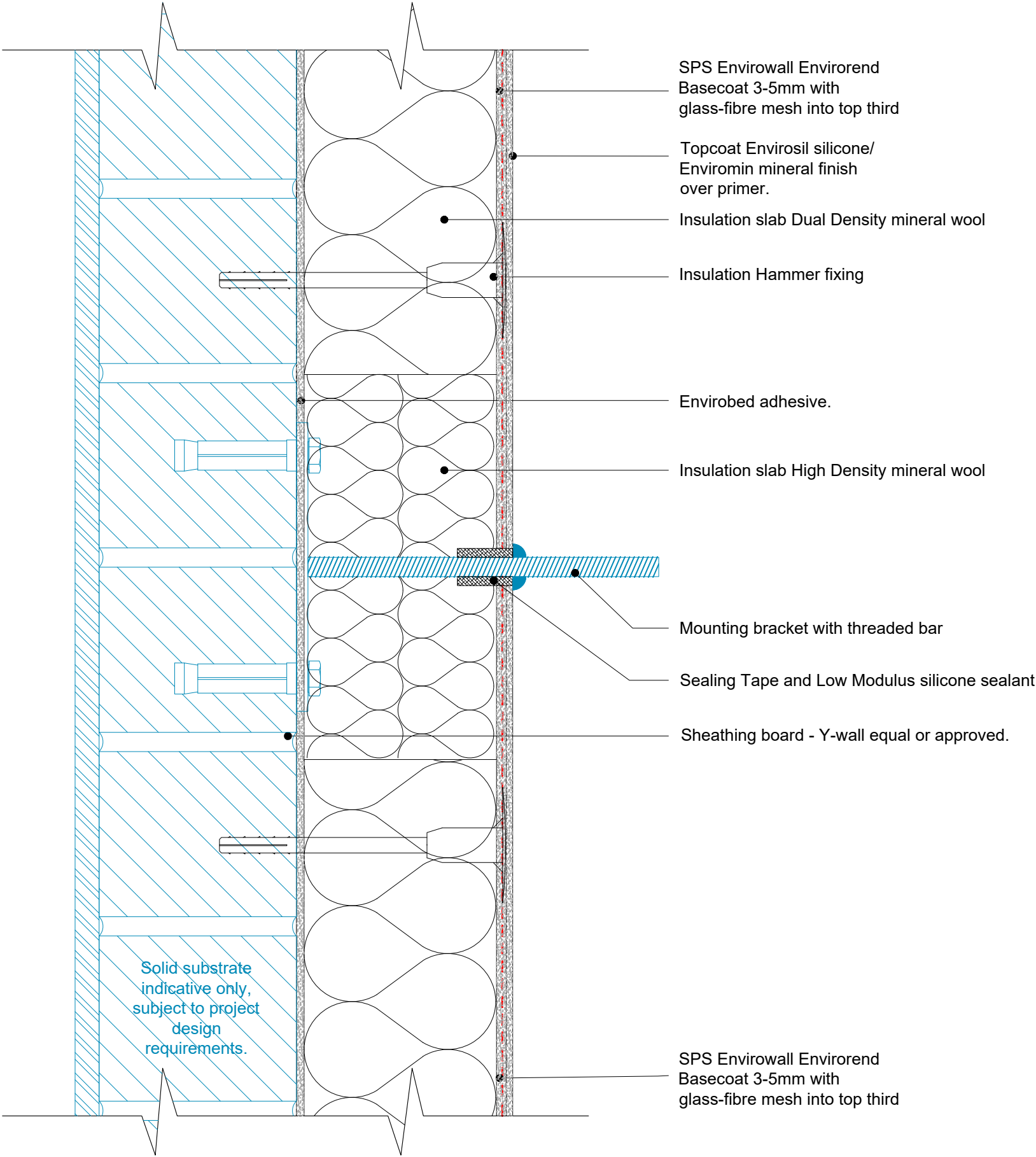
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REV	DATE	NOTE	BY	STATUS:	INFORMATION	DRAWN:
A	06/12/22	First Issue	AG	PROJECT:	ISO No: 5201-TD-M	AG
				TYPICAL DETAILS DIRECT FIX		DS
				DRAWING No: TD-DF-M-MW-R-26		NTS@A3
				DESCRIPTION:		DATE:
				External fixing detail - Mediumweight (Opt 2)		Dec 22
						REV:
						A



- Note:
- 1. The EWI system illustrated are based on a typical system - All insulation thickness, mechanical fixing, beads trims, sealants to be in line with and refer to project M21 specification.
 - 2. Fixing patterns to be confirmed, subject to project wind loading, refer to project M21 specification.
 - 3. Movement joint within the system and structure please refer to guidance note within M21 specification.



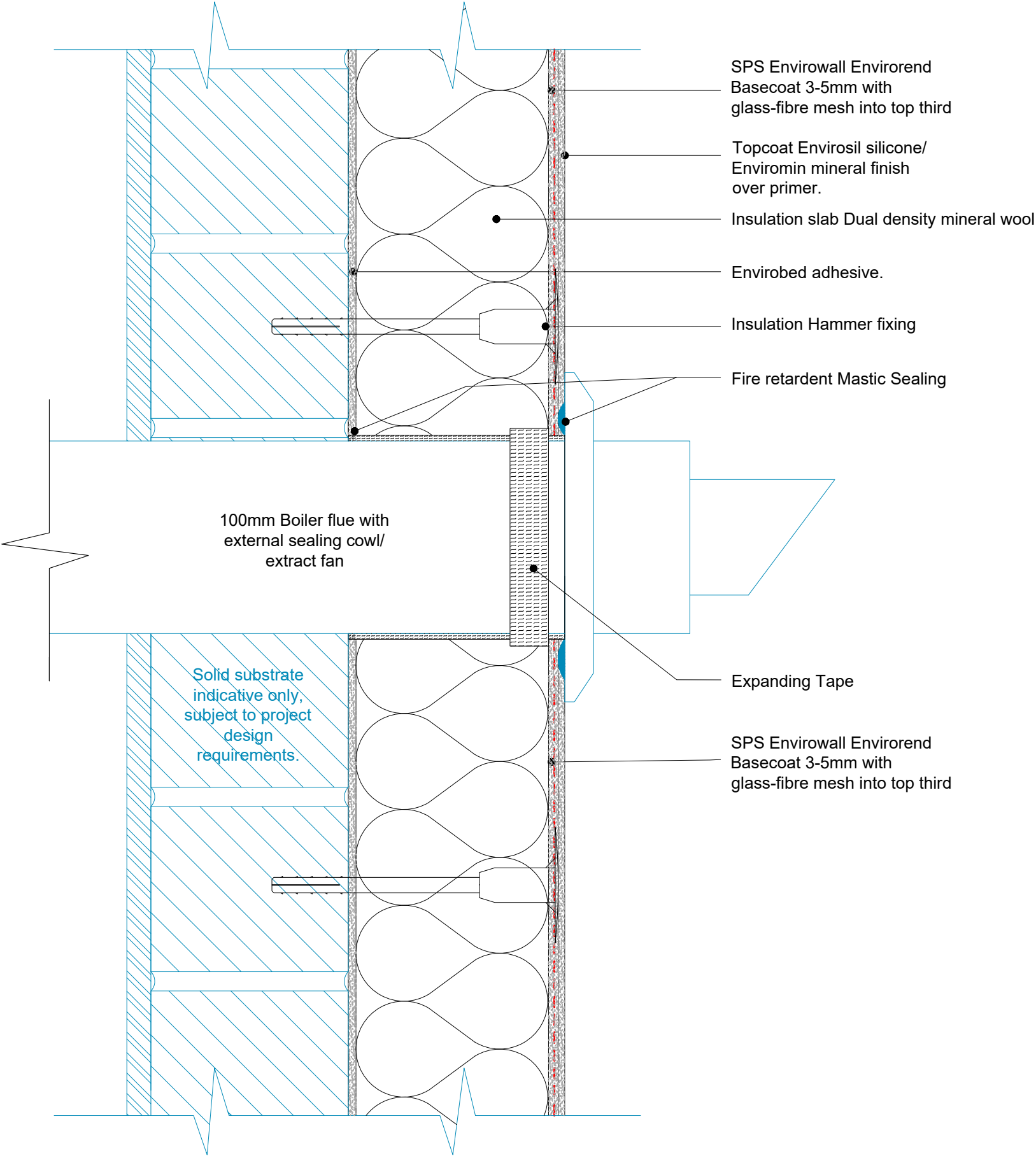
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REV	DATE	NOTE	BY	STATUS:	INFORMATION	DRAWN:
A	06/12/22	First Issue	AG	PROJECT:	ISO No: 5201-TD-M	AG
				TYPICAL DETAILS DIRECT FIX		CHECK:
				DRAWING No: TD-DF-M-MW-R-27		DS
				DESCRIPTION:		NTS@A3
				External fixing detail - Heavy duty		DATE:
						Dec 22
						REV:
						A



- Note:
- 1. The EWI system illustrated are based on a typical system - All insulation thickness, mechanical fixing, beads trims, sealants to be in line with and refer to project M21 specification.
 - 2. Fixing patterns to be confirmed, subject to project wind loading, refer to project M21 specification.
 - 3. Movement joint within the system and structure please refer to guidance note within M21 specification.



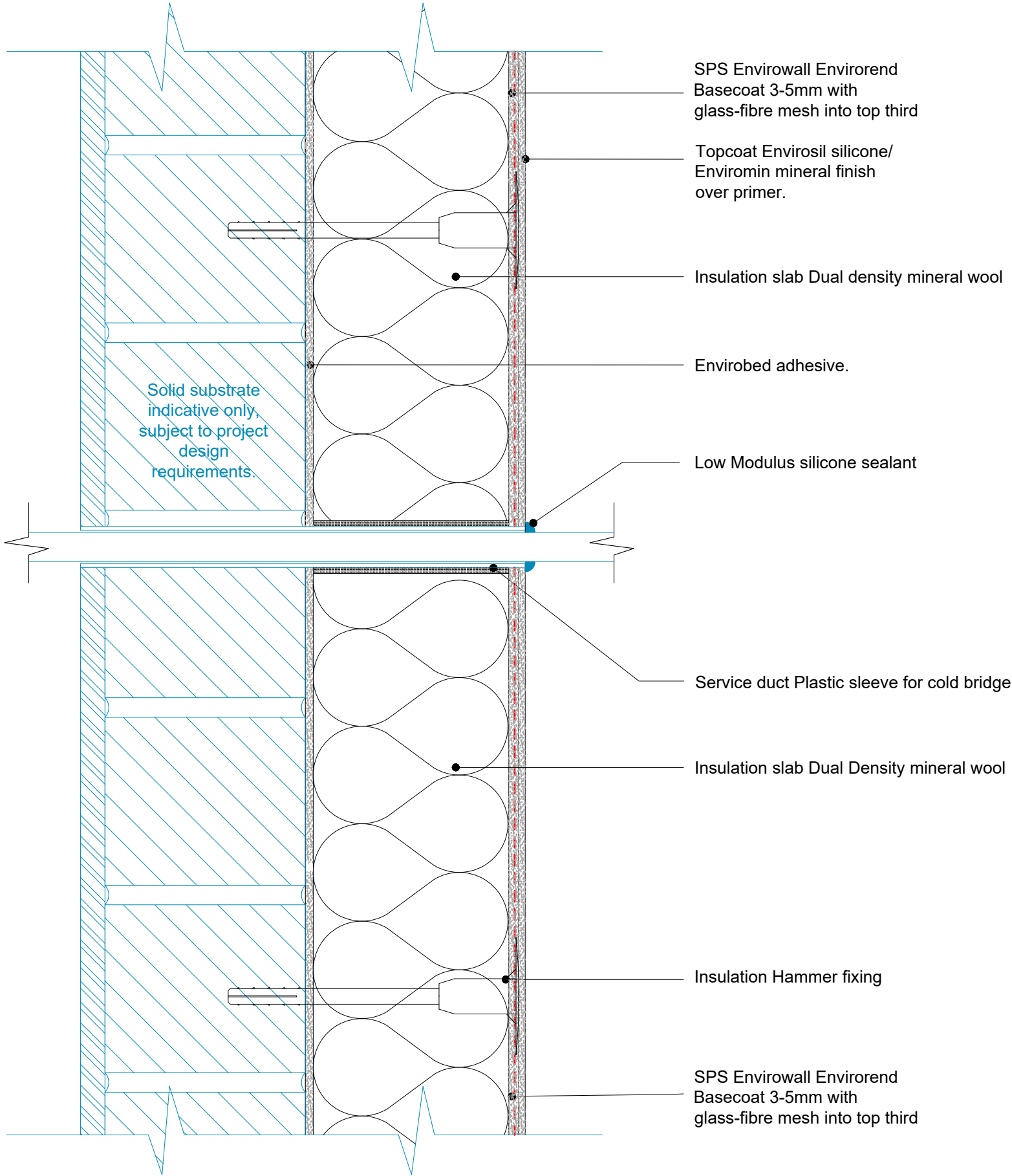
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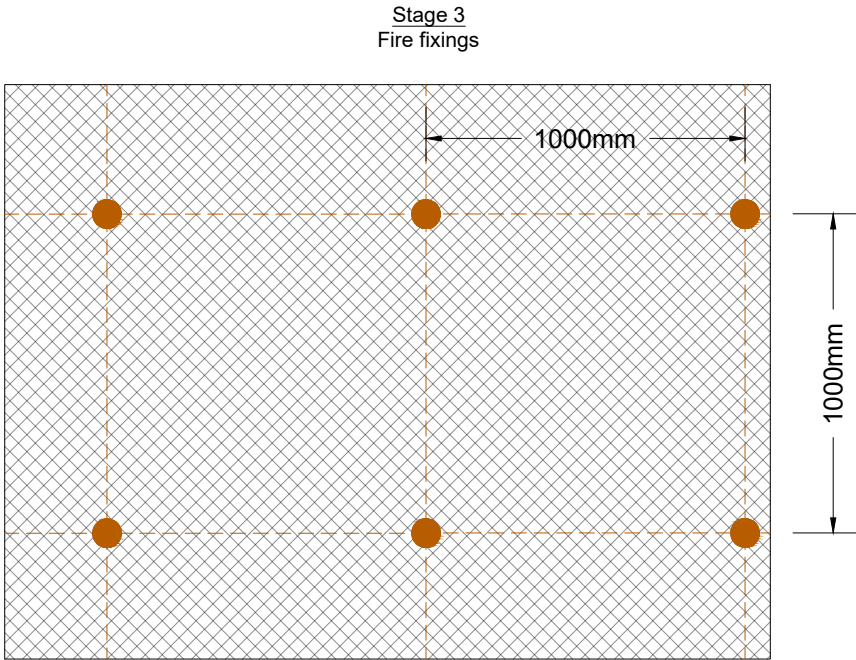
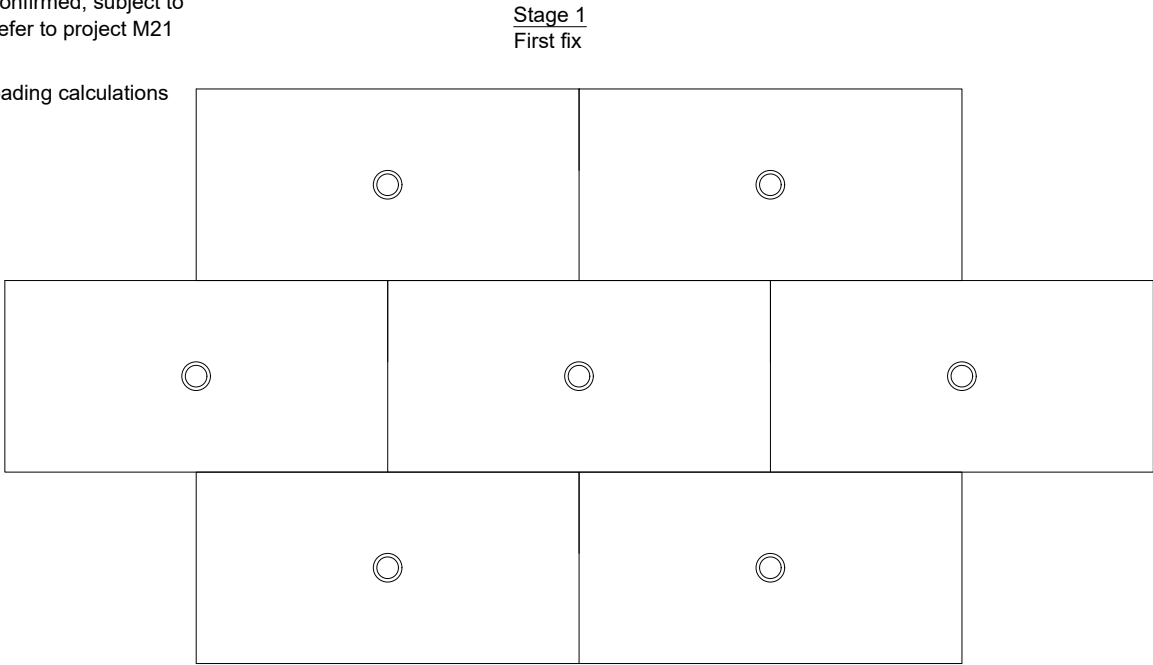
REV	DATE	NOTE	BY	STATUS:	INFORMATION	DRAWN:
A	06/12/22	First Issue	AG	PROJECT:	ISO No: 5201-TD-M	AG
				TYPICAL DETAILS DIRECT FIX		DS
				DRAWING No: TD-DF-M-MW-R-28		NTS@A3
				DESCRIPTION:		DATE:
				Flue or extract fan detail		Dec 22
						REV:
						A



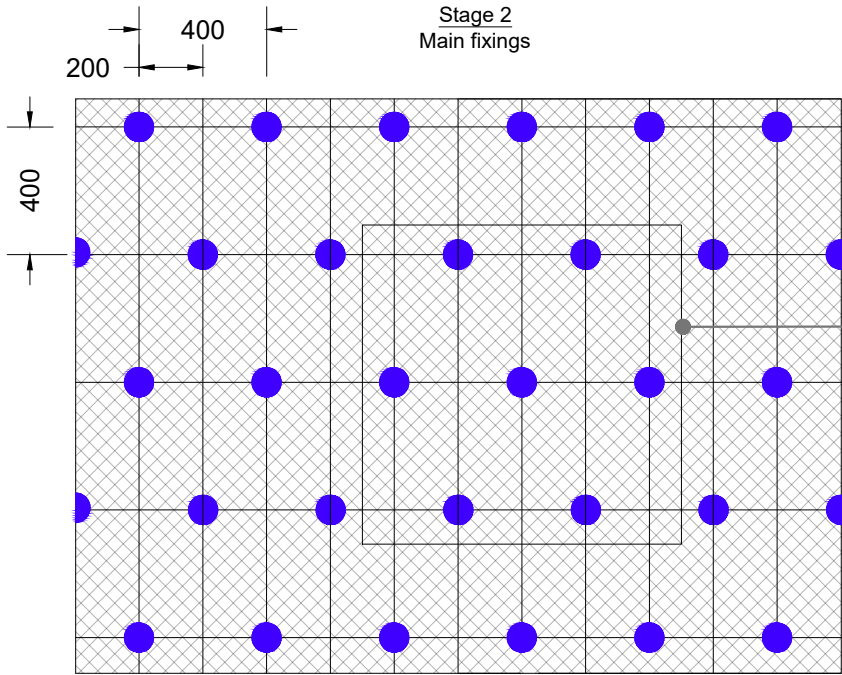
- Note:
- 1. The EWI system illustrated are based on a typical system - All insulation thickness, mechanical fixing, beads trims, sealants to be in line with and refer to project M21 specification.
 - 2. Fixing patterns to be confirmed, subject to project wind loading, refer to project M21 specification.
 - 3. Movement joint within the system and structure please refer to guidance note within M21 specification.
 - 4. Service duct fire stopping by M&E Design Cordinator.



- Note:
1. This drawing must be read in-conjunction with project specific NBS M21 specification
 2. Fixing patterns to be confirmed, subject to project wind loading, refer to project M21 specification
 3. Please refer to wind loading calculations on contract.

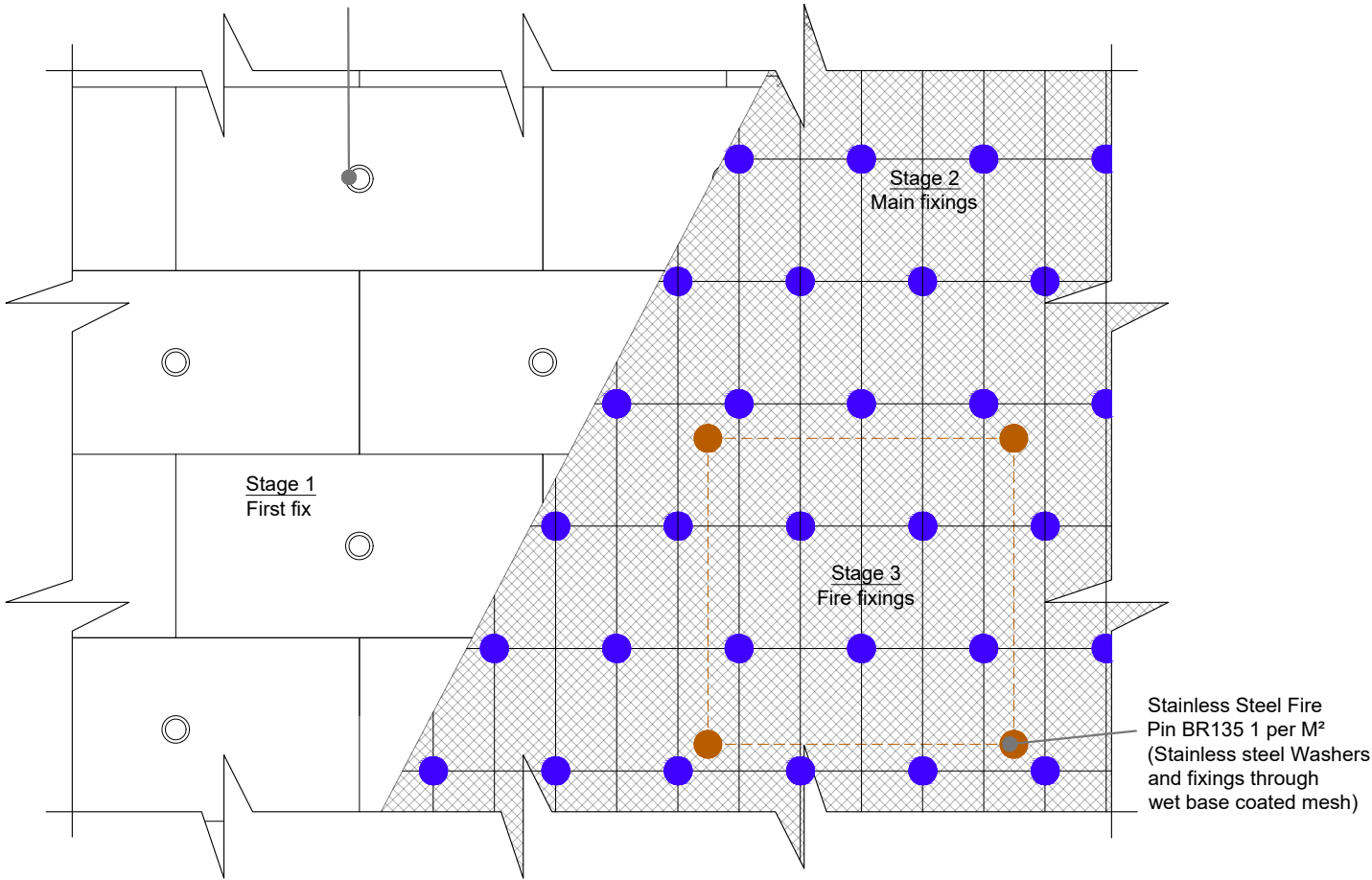


Design Wind Load Values	Number of fixings (Per M²)	Design Resistance (KN)
3.3	8	0.39*
2.6	7	
1.95	5	



Basecoat and mesh min 7 fixings per M² patten fixed through meshed basecoat. 100mm x 100mm mesh patch over fixing head. (No requirement for 90mm oversized washer when fixing through it)

Sacrificial Fixings
Tube washer to sit inside
A minimum 90mm oversized washer required for fixings.



Note:

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