

**ELITE SYSTEMS**

**EUROCLAD**

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TITLE: Elite System 57

DWG NO: E57

DRAWN: MP

CHECK: PCL

DATE: Feb 19

SCALE: NTS

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To be read in conjunction with Elite System specification documents

### Elite System 57

Bracket Height	Insulation Thickness	Insulation Value	Overall System Depth	U Value at 1.5M Centres
100mm	100mm	0.040	120mm	0.45
120mm	120mm	0.040	140mm	0.37
140mm	140mm	0.040	160mm	0.32
160mm	160mm	0.040	180mm	0.28
180mm	180mm	0.040	200mm	0.25
200mm	200mm	0.040	220mm	0.22
220mm	220mm	0.040	240mm	0.20

**Please Note:**

System is fire rated using Knauf Factoryclad 40 ECOSE insulation of minimum thickness 80mm with steel outer sheet only.

Ensure roll edges are lapped/butted to ensure no gaps.

Fire Resistance performance 120 minutes Integrity, 15 minutes (min) Insulation.

Meets the requirements of Building Regulations Part B for external walls where fire attack is from inside the building and the wall is 1M or more from the boundary.

System can be fire rated using Rockwool insulation of minimum thickness 120mm with steel outer sheet only, with liner stitched at 300mm centres.

Ensure roll edges are lapped/butted to ensure no gaps. Refer to Fr30 specification.

Fire Resistance performance 120 minutes Integrity, 30 minutes (min) Insulation.

Please refer to the technical note: Installer guidance for quilt insulation in Elite Wall Systems  
 Refer to Technical for advice on constructions requiring better U values than those shown.

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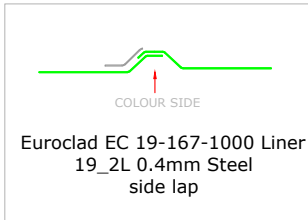
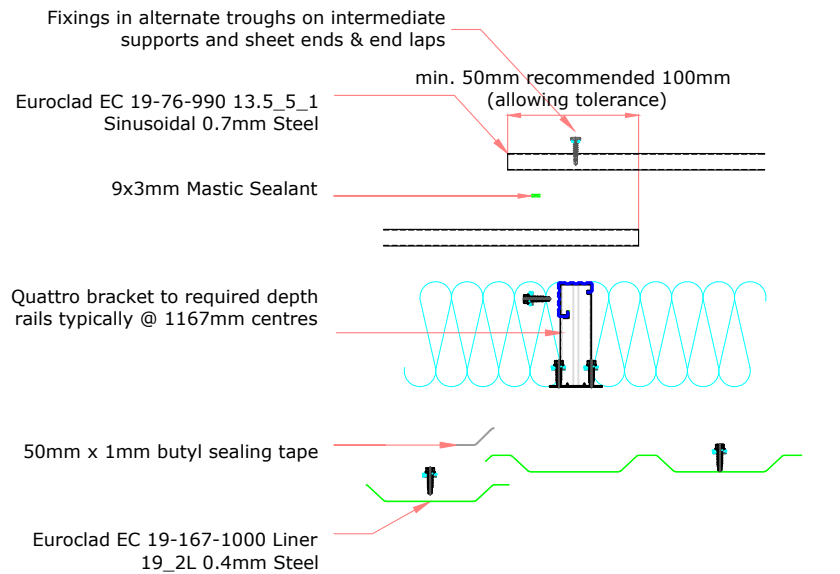
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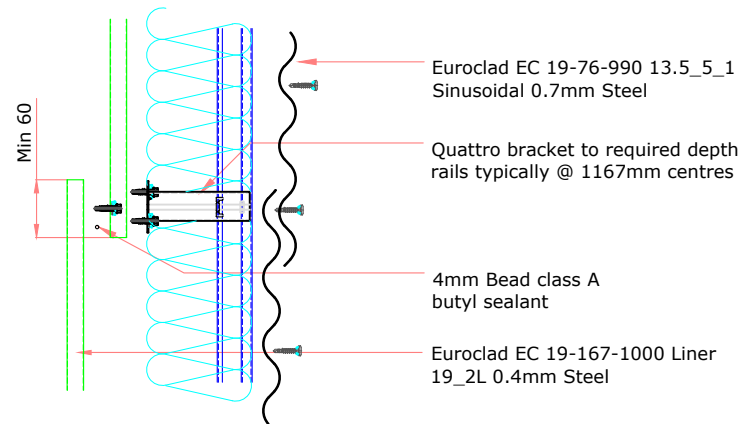
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**ELITE SYSTEM 57 END LAP DETAIL**



**ELITE SYSTEM 57 SIDE LAP DETAIL**



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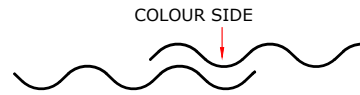
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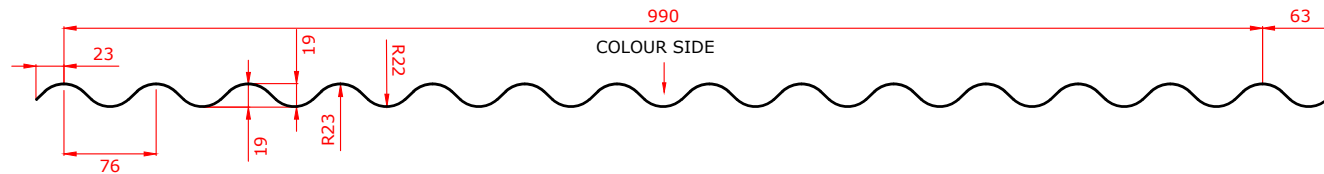
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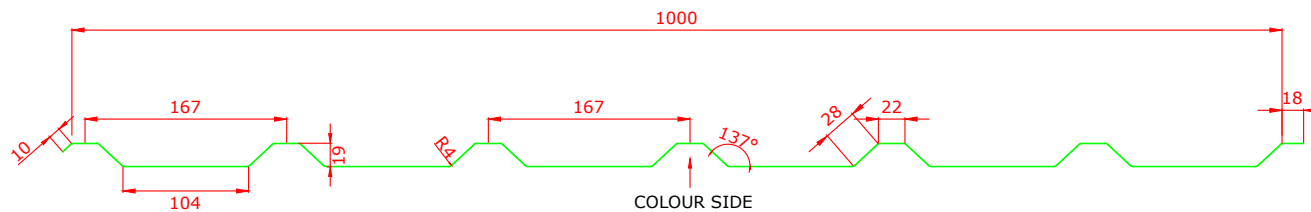
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**EUROCLAD EC 19-76-990 13.5 3\_1 SINUSOIDAL  
0.7mm EXTERNAL SHEET**



**EUROCLAD EC 19-167-1000 Liner 19\_2L 0.4mm  
LINER**



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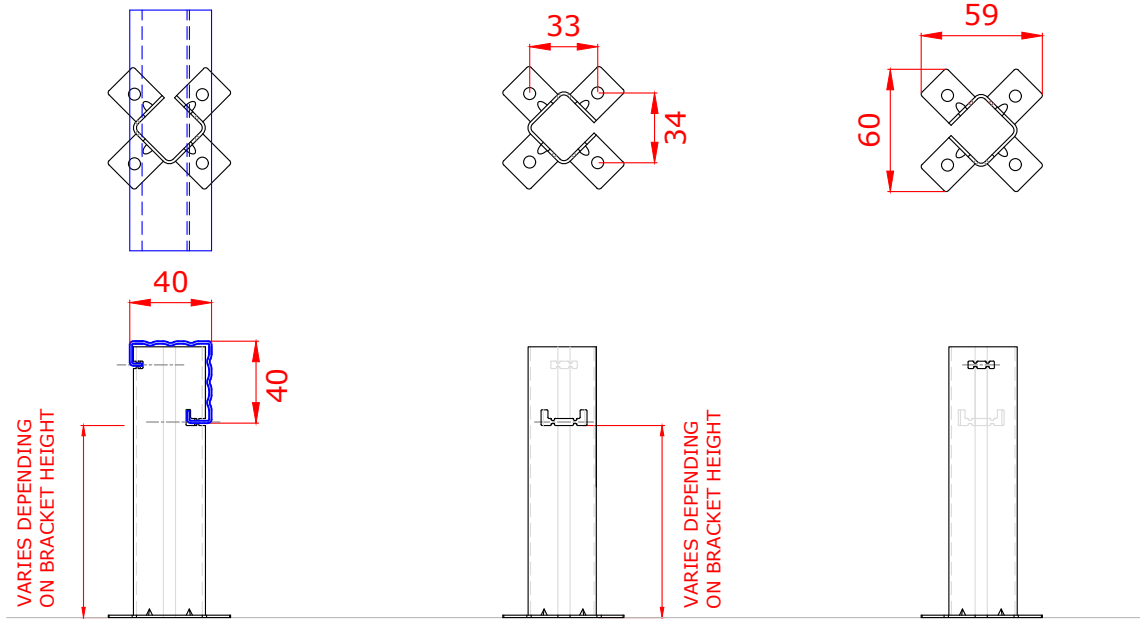
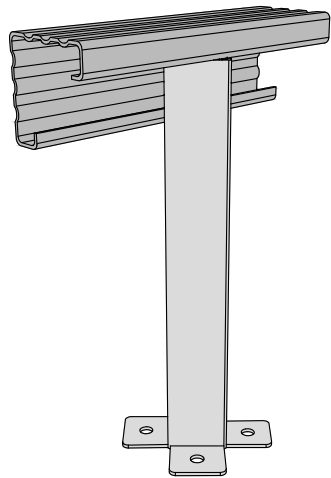
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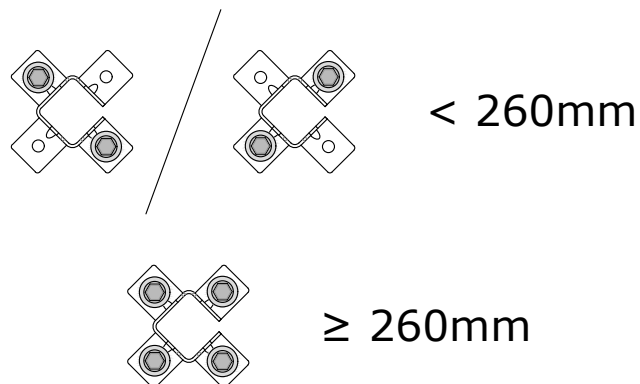
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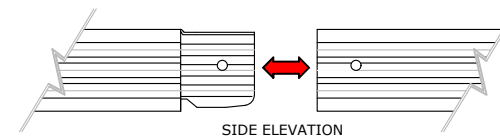
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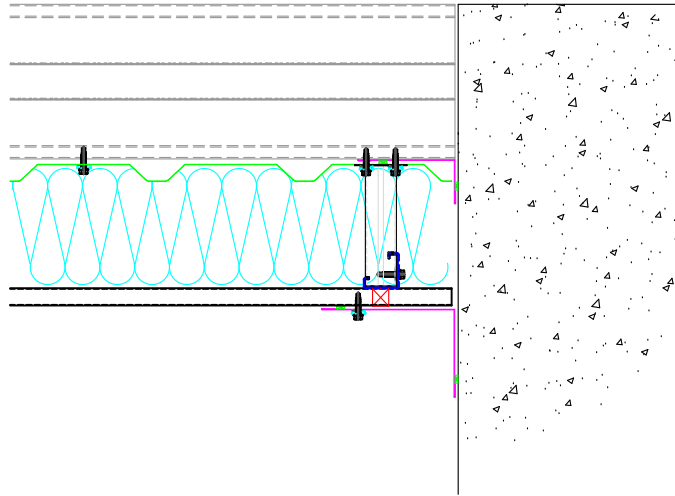


Brackets less than 260mm require 2 fixings diagonally opposite.  
Brackets 260mm or more require 4 fixings.

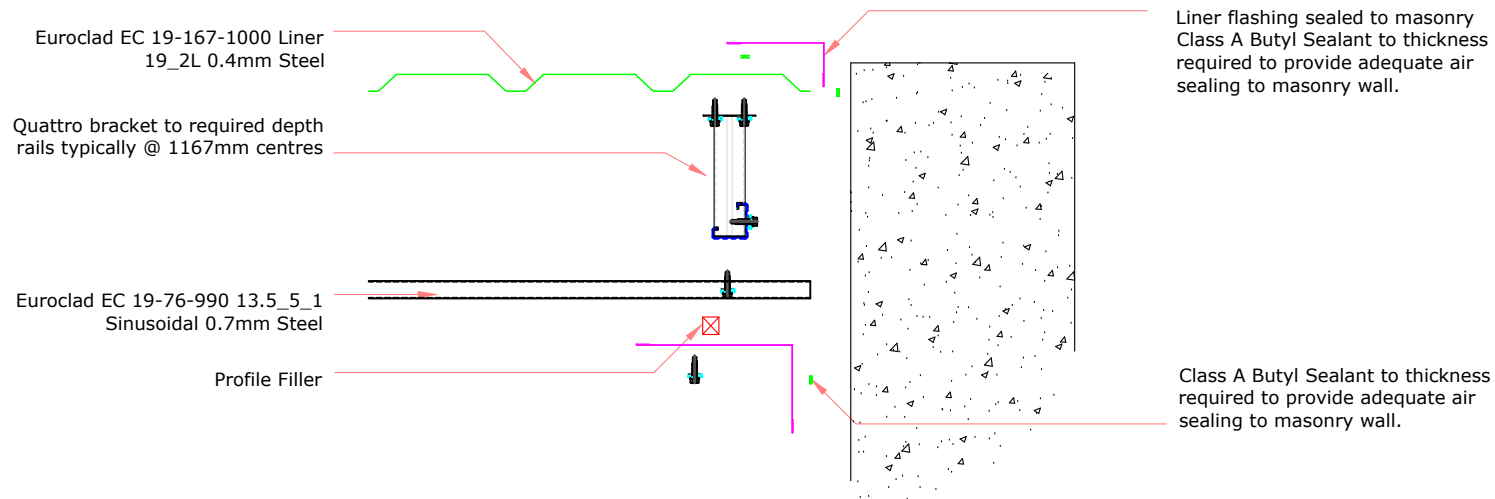


Maximum bar cantilever at free ends is 300mm.  
Spigot can fall anywhere between two brackets.





**EUROCLAD ELITE SYSTEM 57 WALL CONSTRUCTION**



Insulation excluded for clarity  
 A range of mineral & glass wool insulations are available for different requirements

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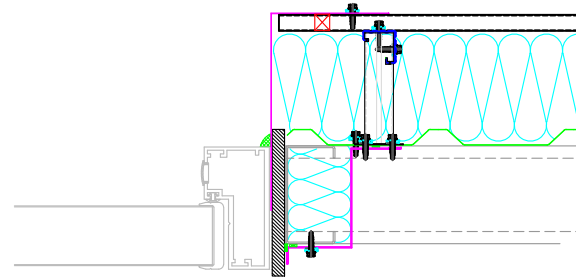


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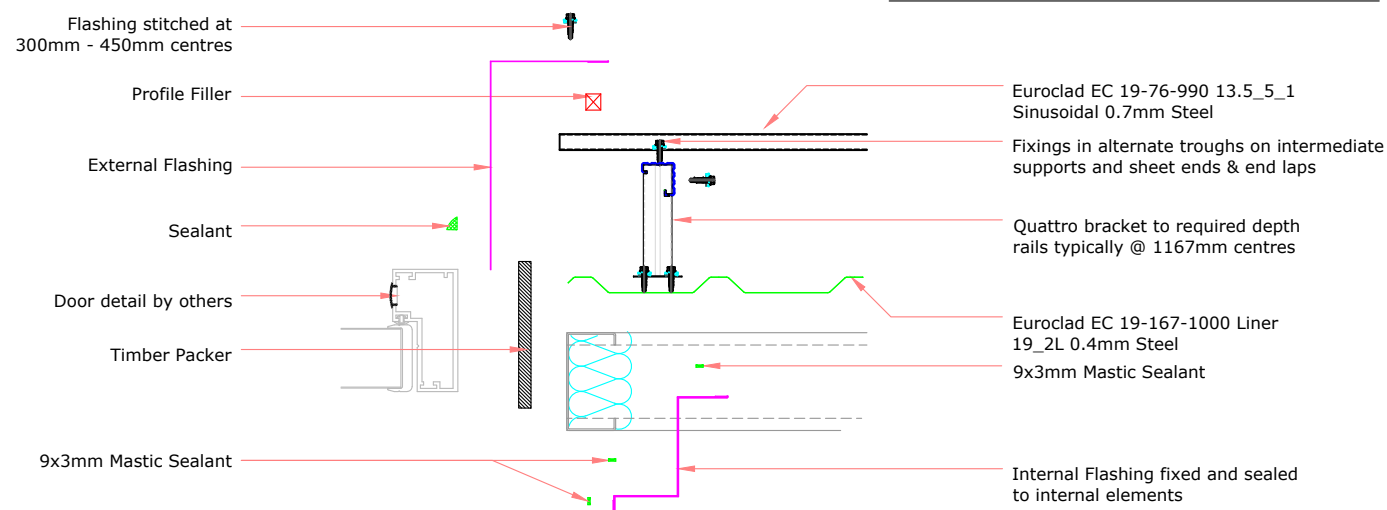
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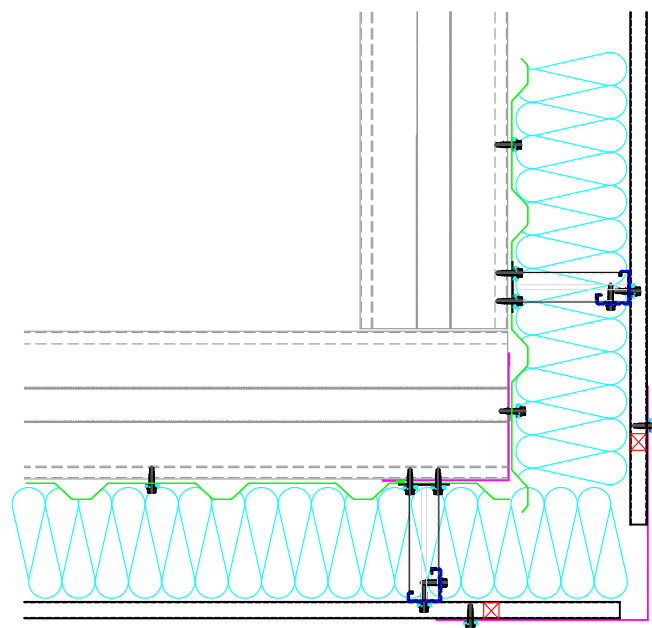
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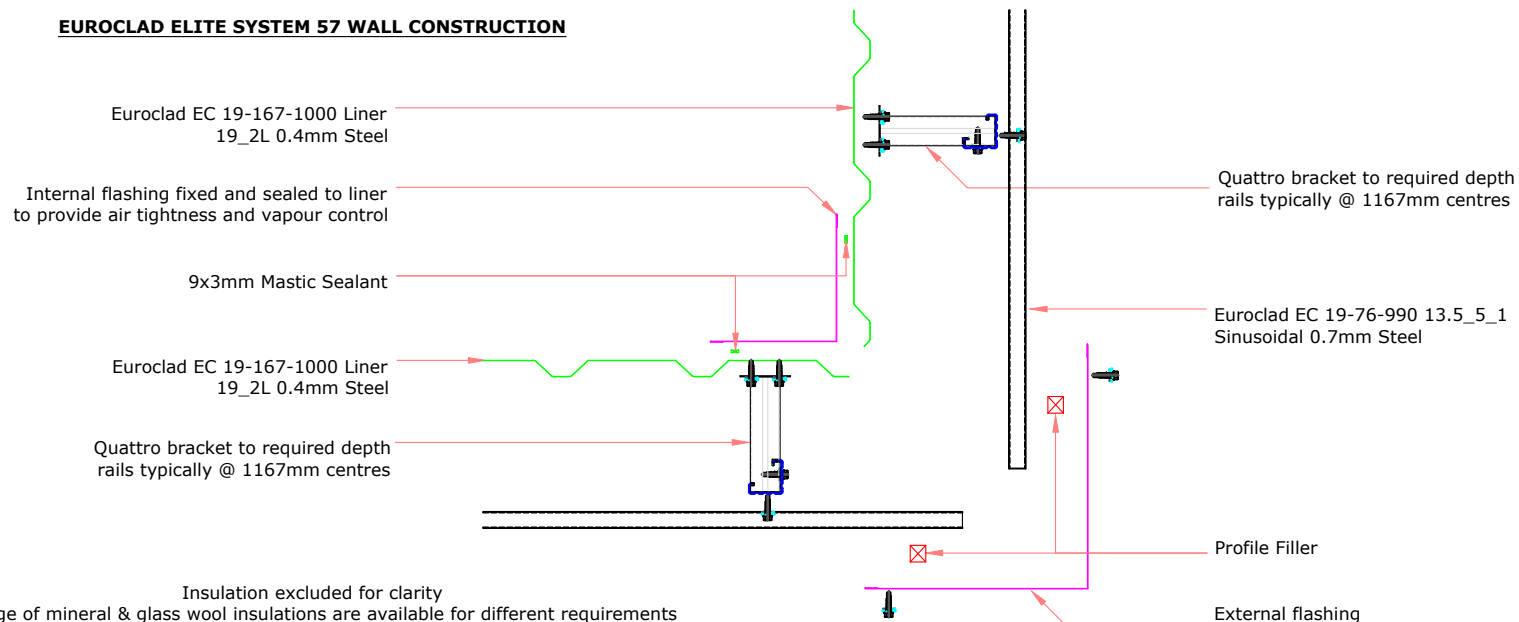
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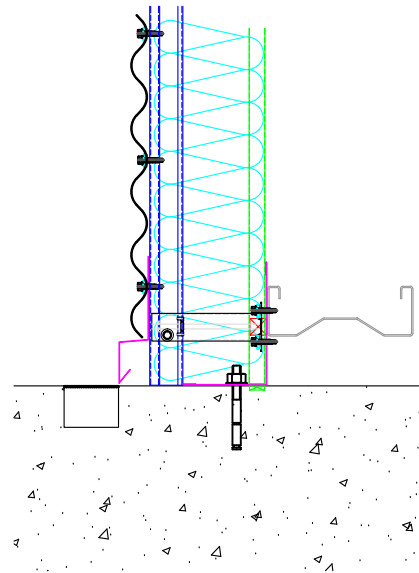
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Euroclad EC 19-76-990 13.5\_5\_1  
Sinusoidal 0.7mm Steel

Quattro bracket to required depth  
rails typically @ 1167mm centres

Drip Flashing

Drainage Point

Euroclad EC 19-167-1000 Liner  
19\_2L 0.4mm Steel

Internal Flashing

Profile Filler

Large amount of sealant to make  
allowance for imperfection in concrete and  
ensure good airtightness. Seal may be achieved  
at flashing or structural element such as ring beam,  
depending on project specific details.

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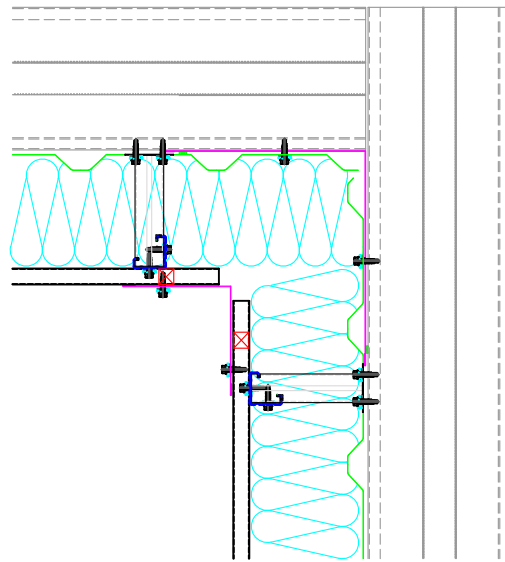


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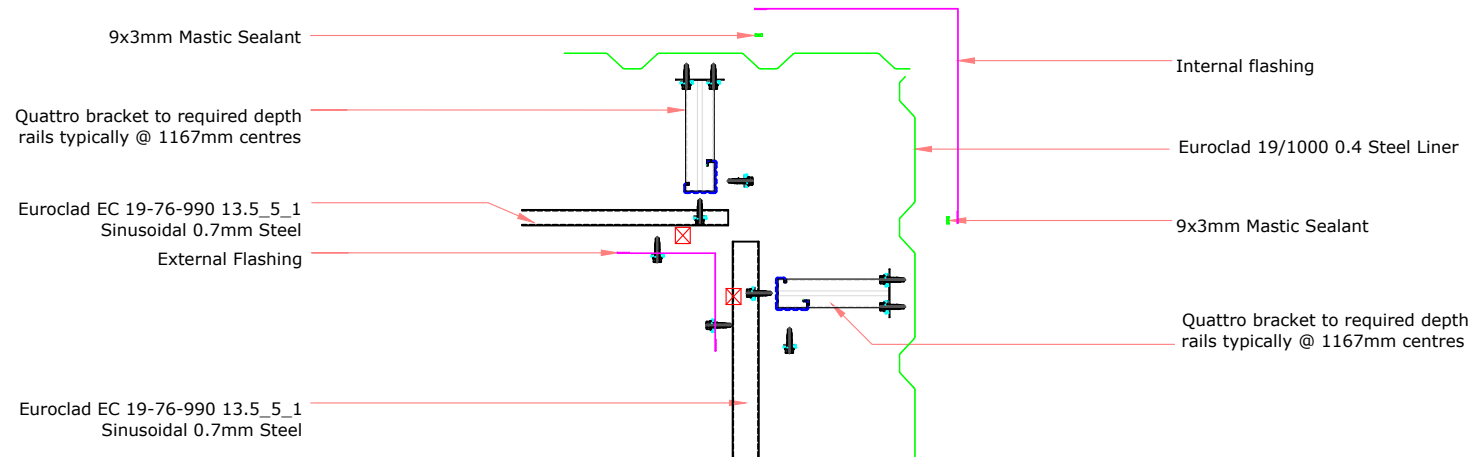
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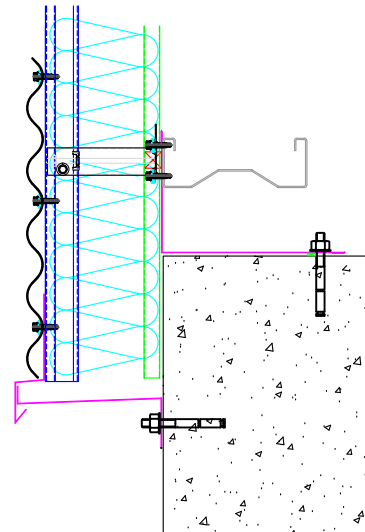


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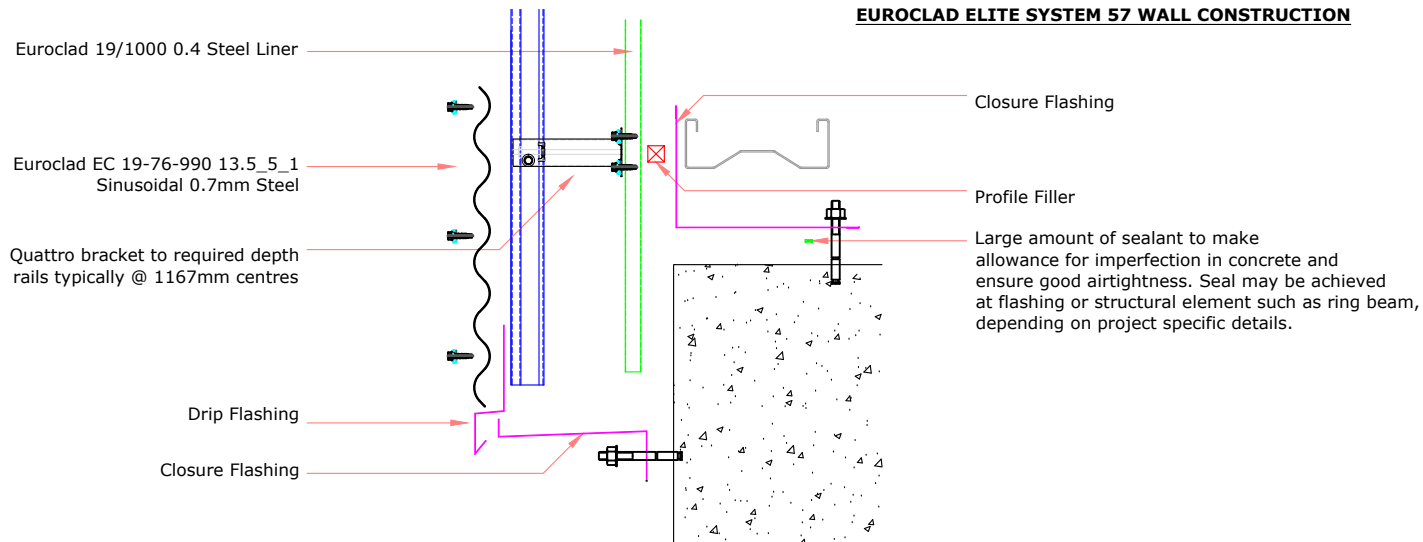
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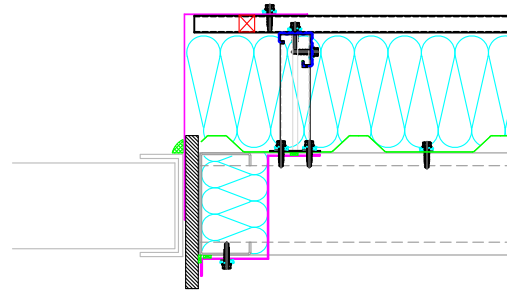


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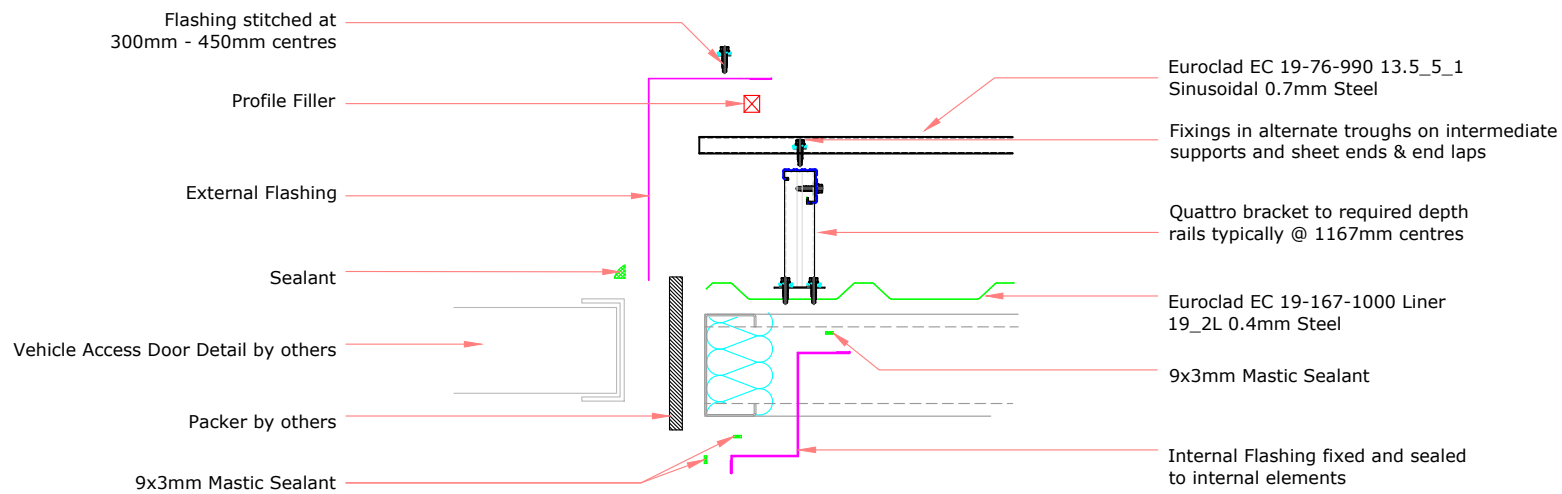
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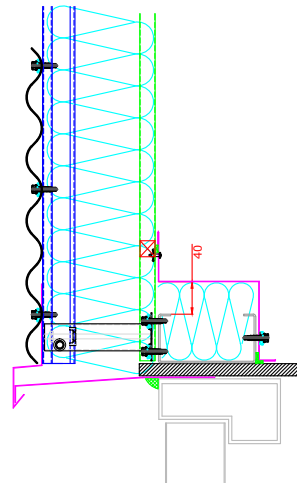


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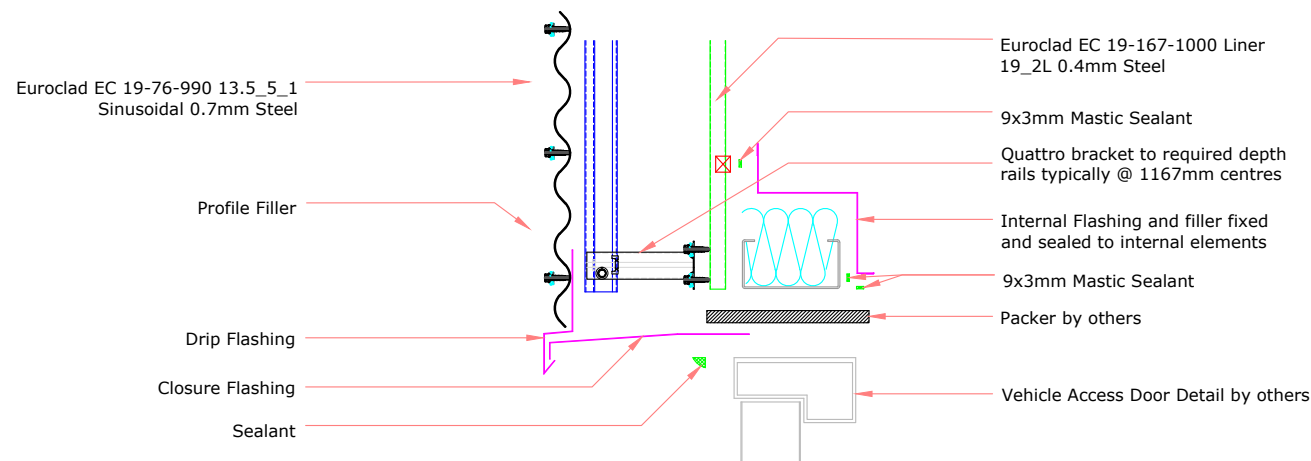
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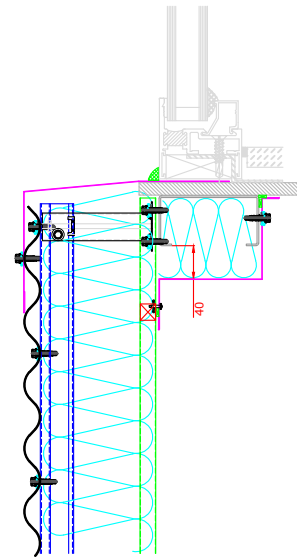


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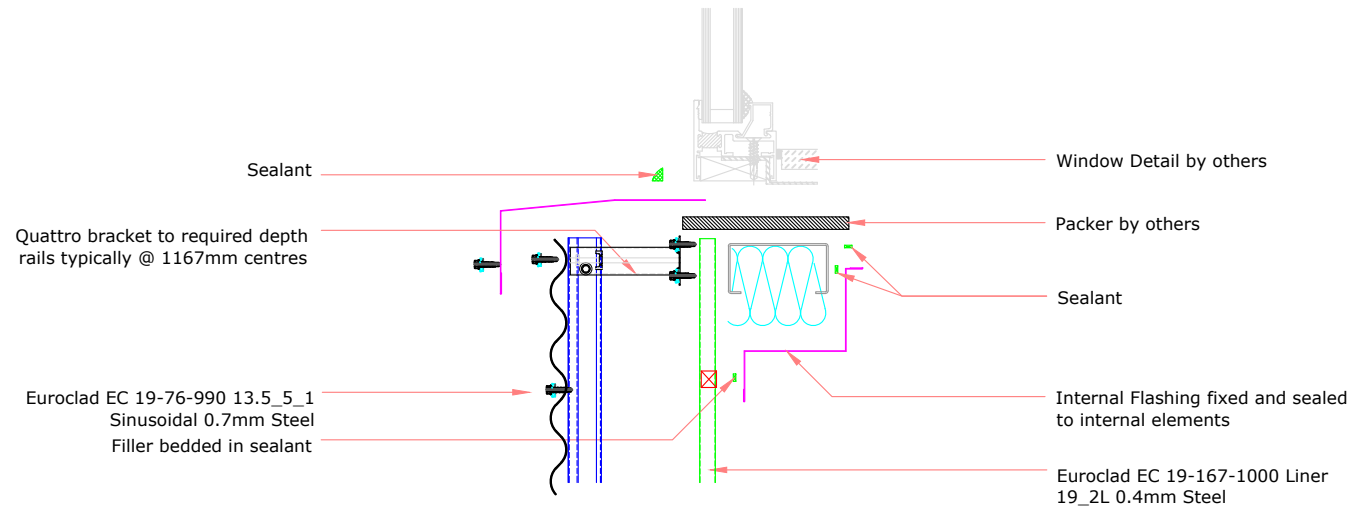
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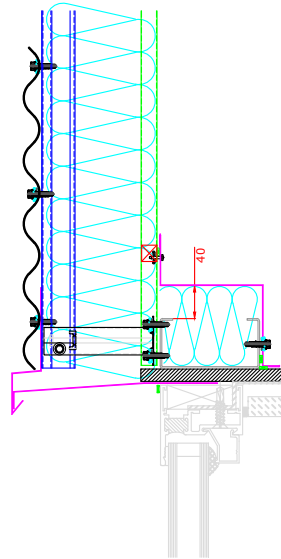
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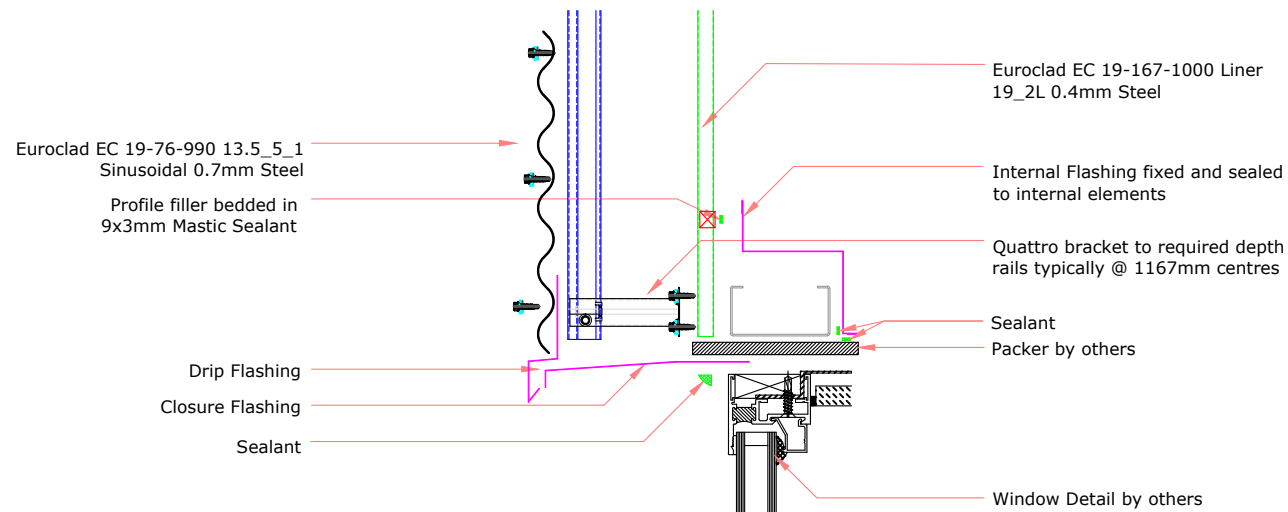
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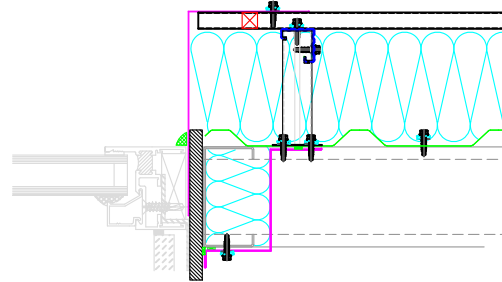


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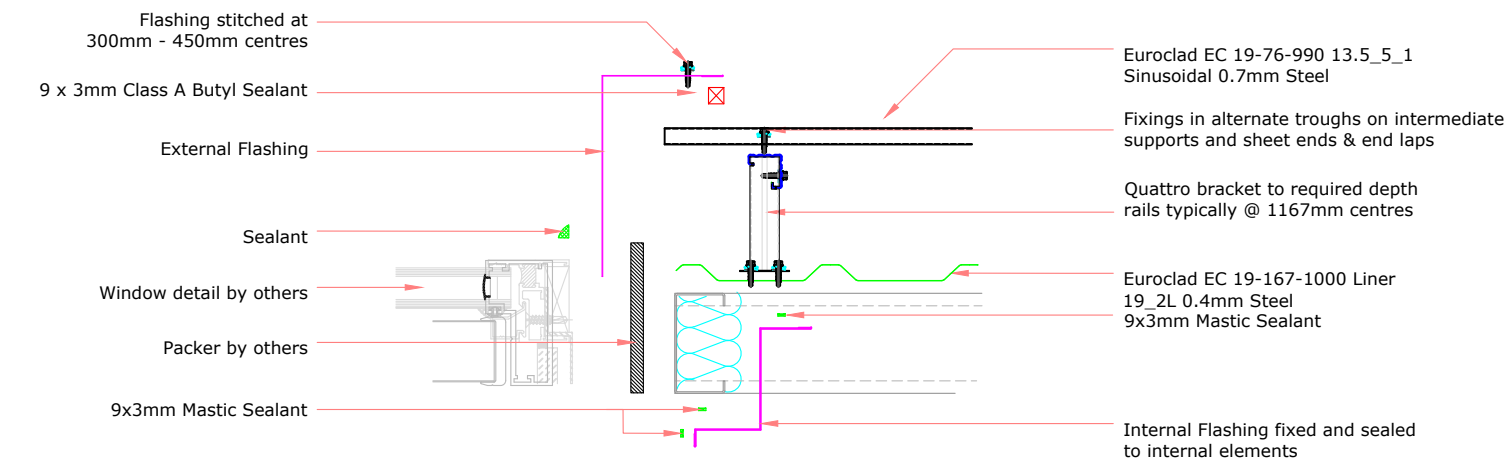
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