

**ELITE SYSTEMS**

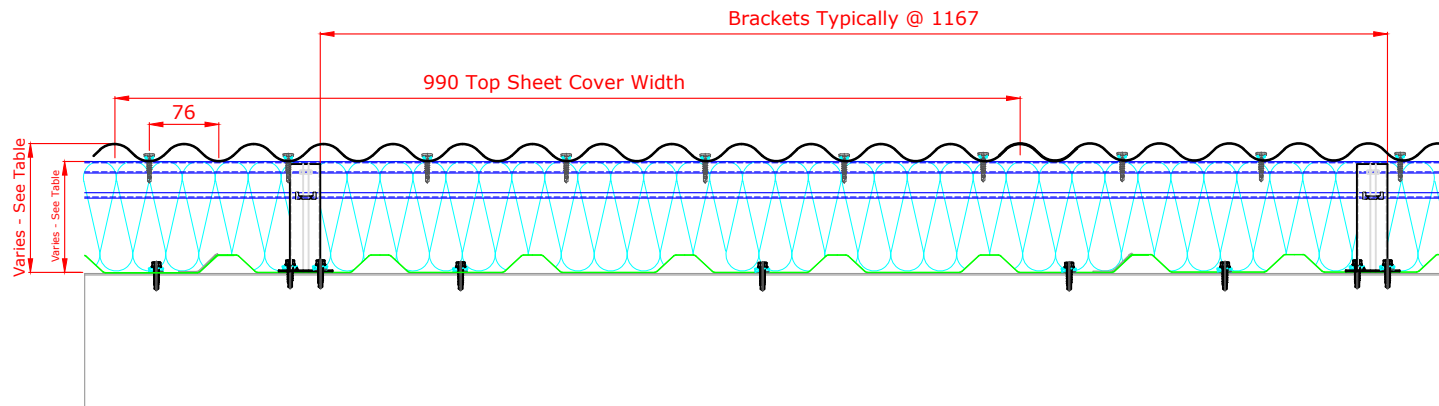
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TITLE: Elite System 53  
DWG NO: E53  
DRAWN: MP  
CHECK: PCL  
DATE: Feb 19  
SCALE: NTS

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To be read in conjunction with Elite System specification documents



### Elite System 53

Bracket Height	Insulation Thickness	Insulation Value	Overall System Depth	U Value at 1.8M Centres
120mm	120mm	0.040	140mm	0.37
140mm	140mm	0.040	160mm	0.31
150mm	150mm*/160mm	0.040	170mm	0.29
160mm	160mm	0.040	180mm	0.27
170mm	180mm	0.040	190mm	0.26
180mm	180mm	0.040	200mm	0.24
200mm	200mm	0.040	220mm	0.22
220mm	220mm	0.040	240mm	0.20
240mm	240mm	0.040	260mm	0.18
260mm	260mm	0.040	280mm	0.17
280mm	280mm	0.040	300mm	0.15
300mm	300mm	0.040	320mm	0.14

\* Only available in Rockwool Cladding Roll

**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 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.  
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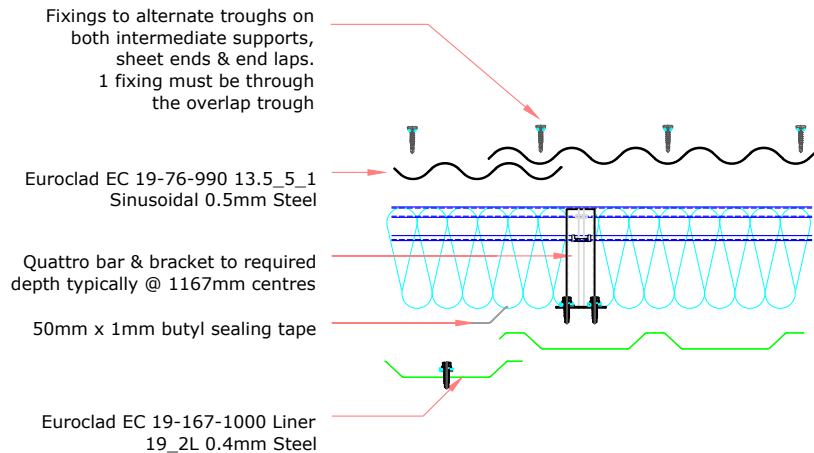
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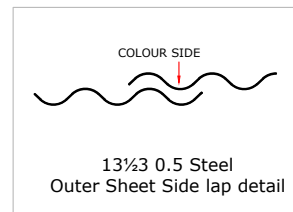
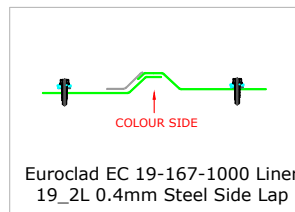
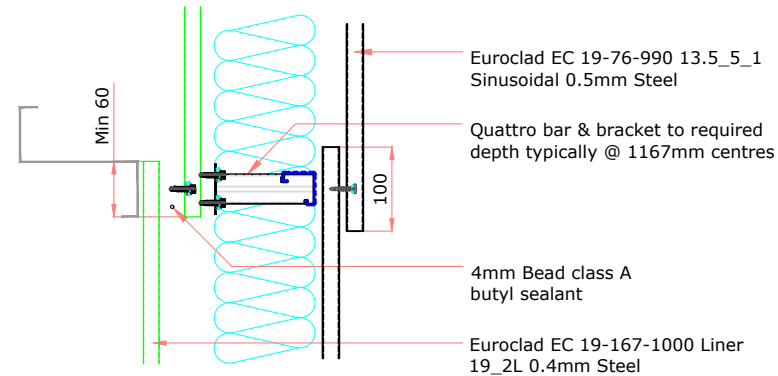
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ELITE SYSTEM 53 SIDE LAP DETAIL



ELITE SYSTEM 53 END LAP DETAIL



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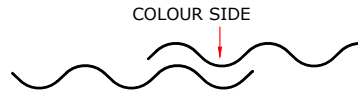
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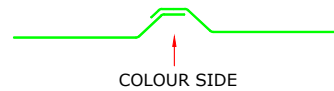
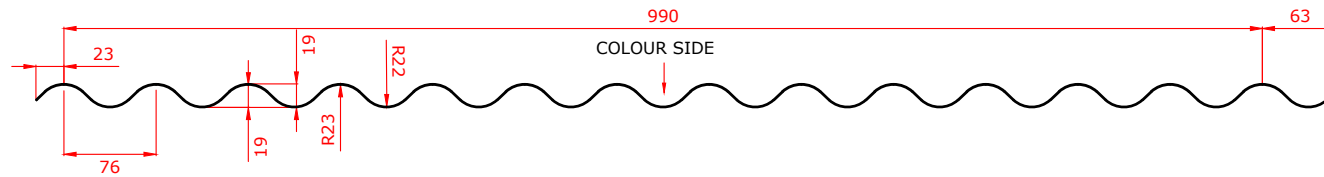
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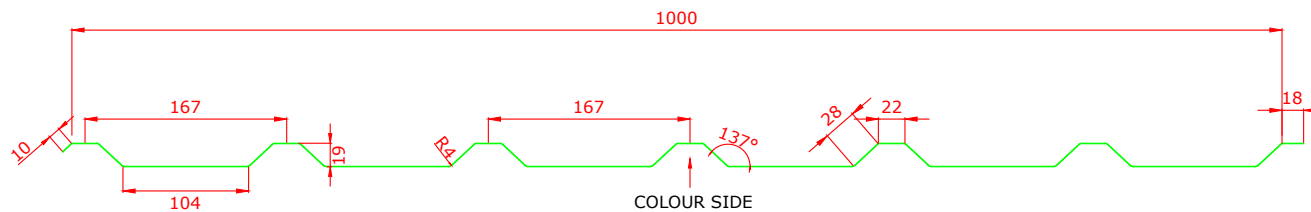
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**EUROCLAD EC 19-76-990 13.5\_3\_1 SINUSOIDAL 0.5mm EXTERNAL SHEET**



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



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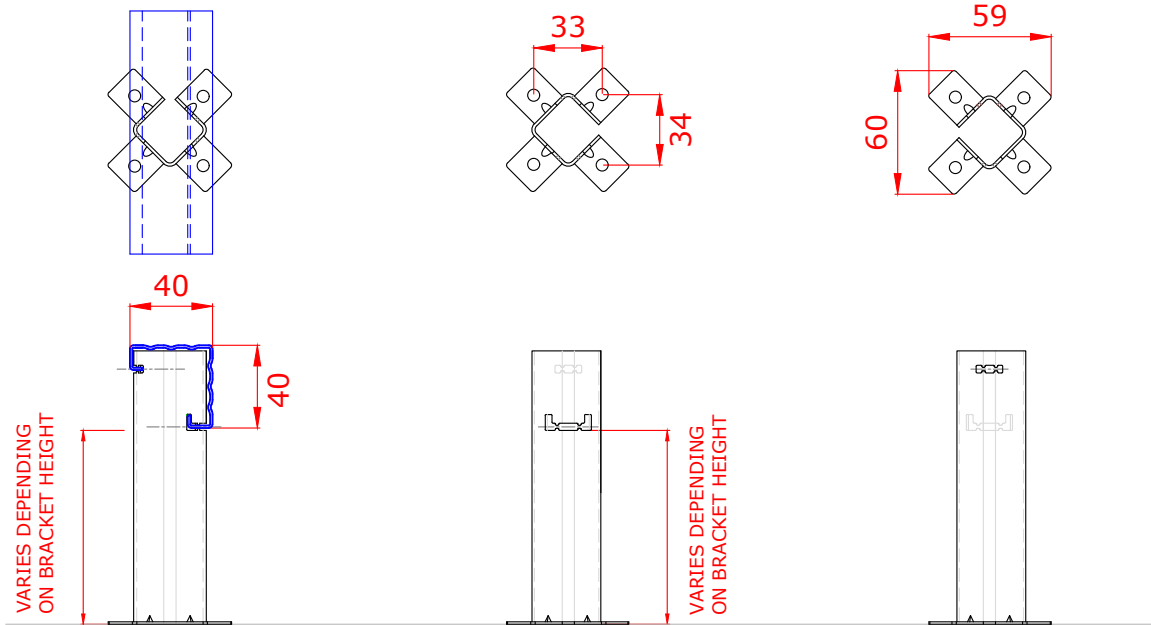
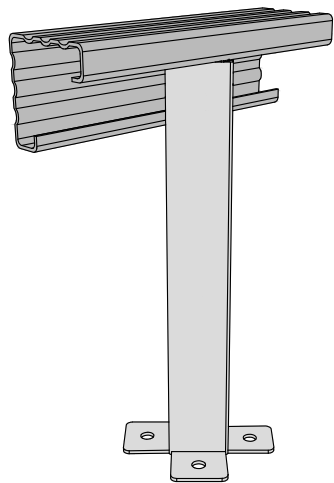
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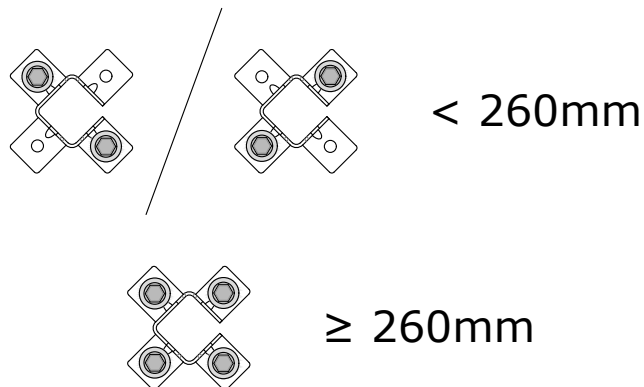
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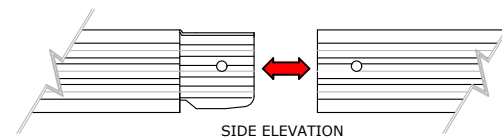
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Brackets less than 260mm require 2 fixings diagonally opposite.  
Brackets 260mm or more require 4 fixings.



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



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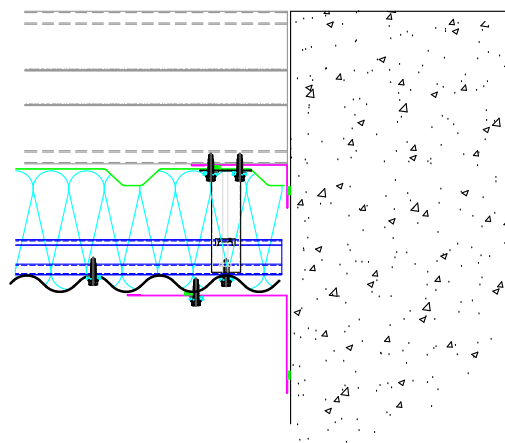


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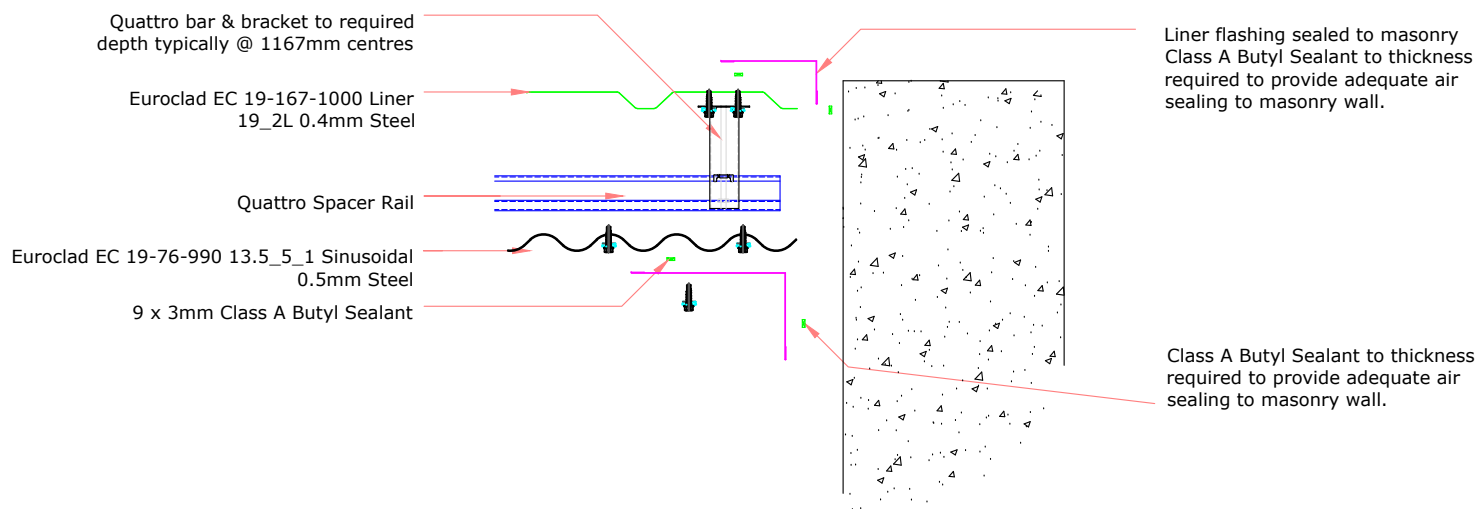
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**EUROCLAD ELITE SYSTEM 53 WALL CONSTRUCTION**



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

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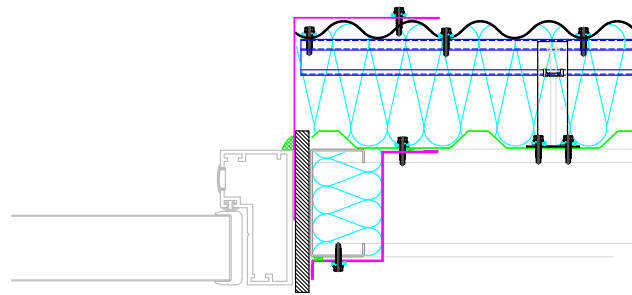
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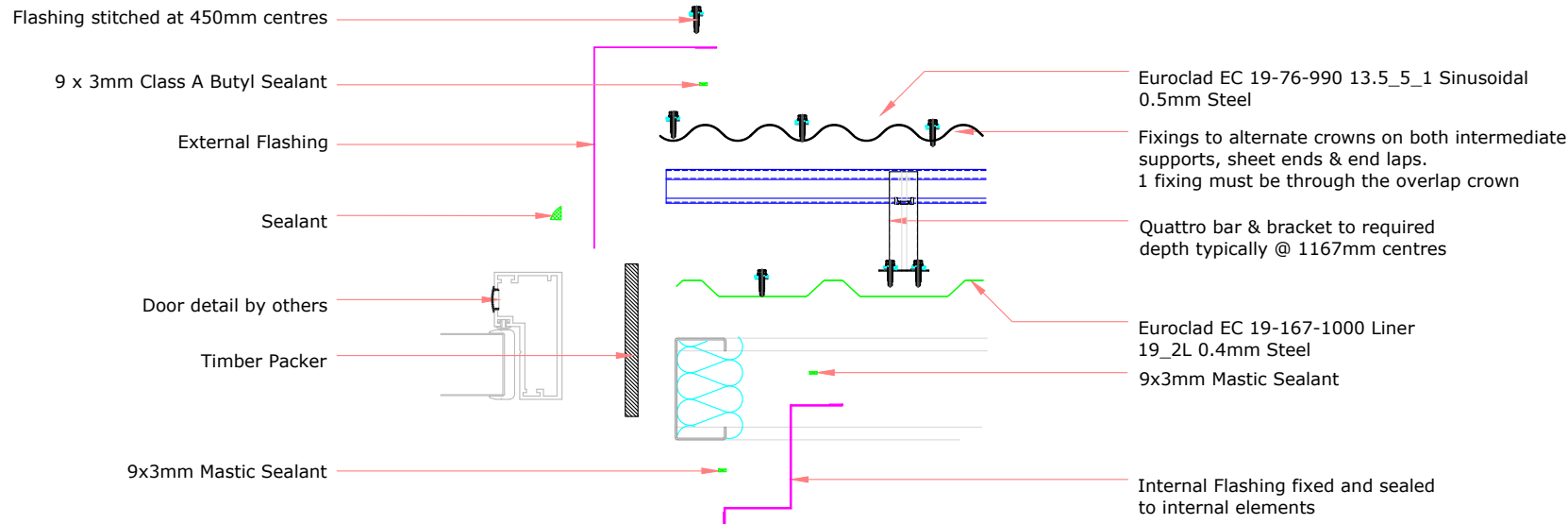
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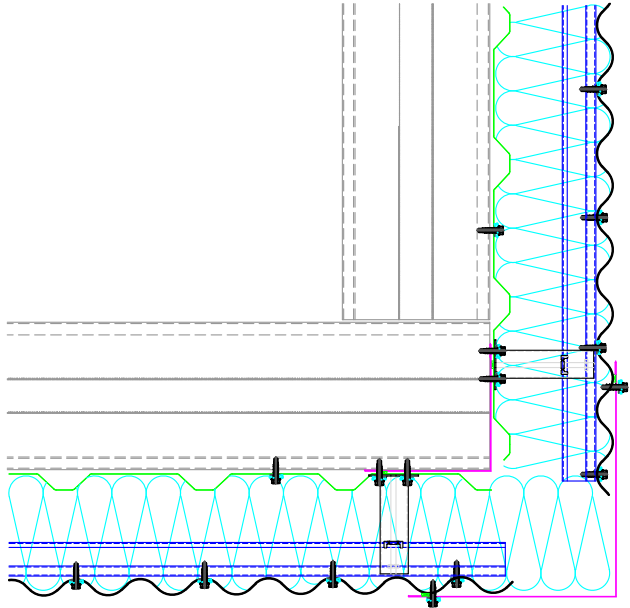


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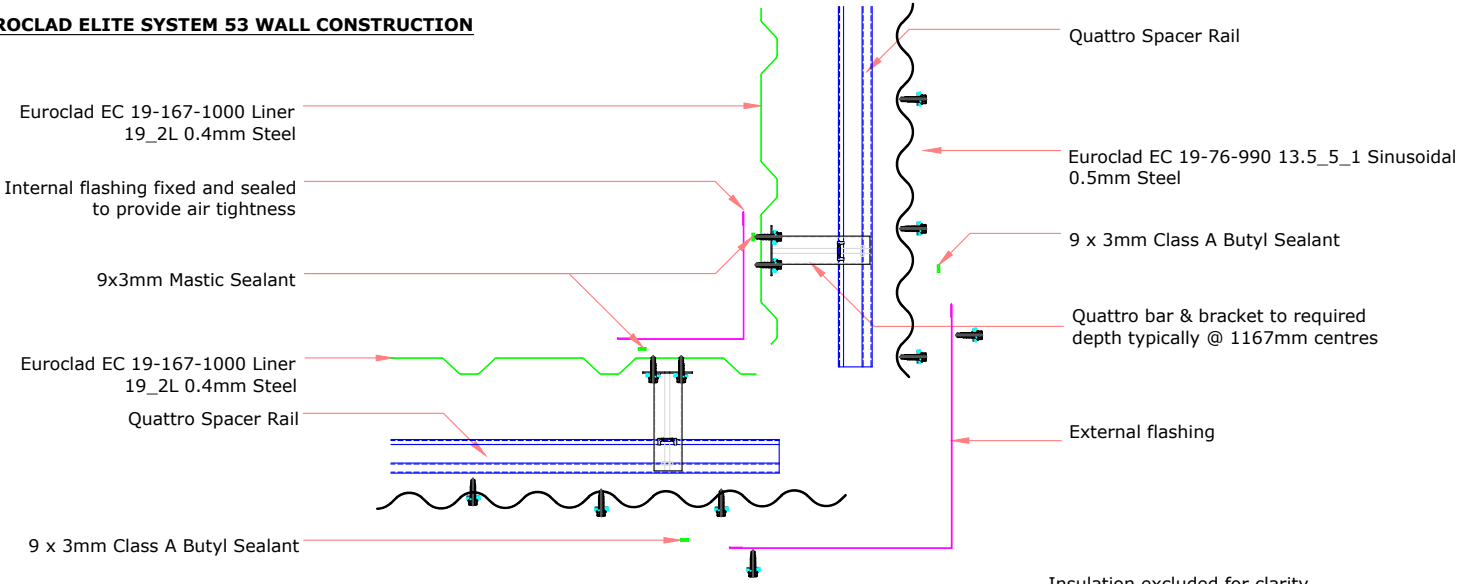
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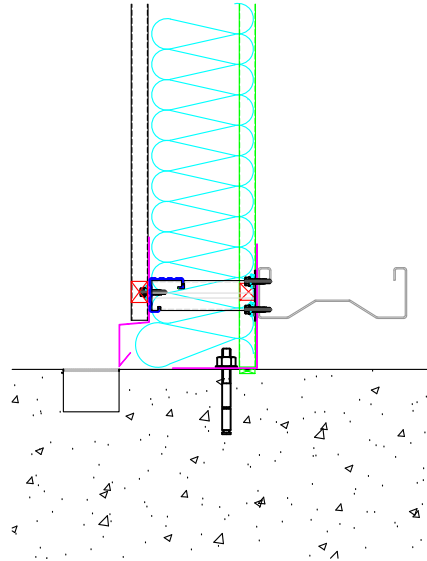


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**EUROCLAD ELITE SYSTEM 53 WALL CONSTRUCTION**

Euroclad EC 19-76-990 13.5\_5\_1 Sinusoidal 0.5mm Steel

Quattro bar & bracket to required depth typically @ 1167mm centres

Profile Filler

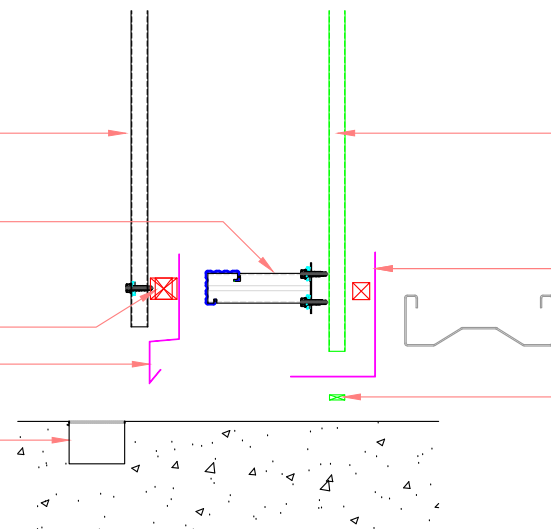
Drip Flashing

Drainage Point

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

Internal Flashing and profile filler sealed to liner

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.



Insulation excluded for clarity

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



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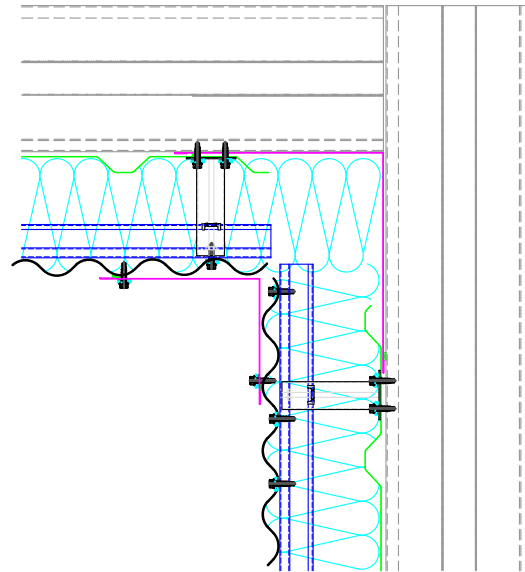


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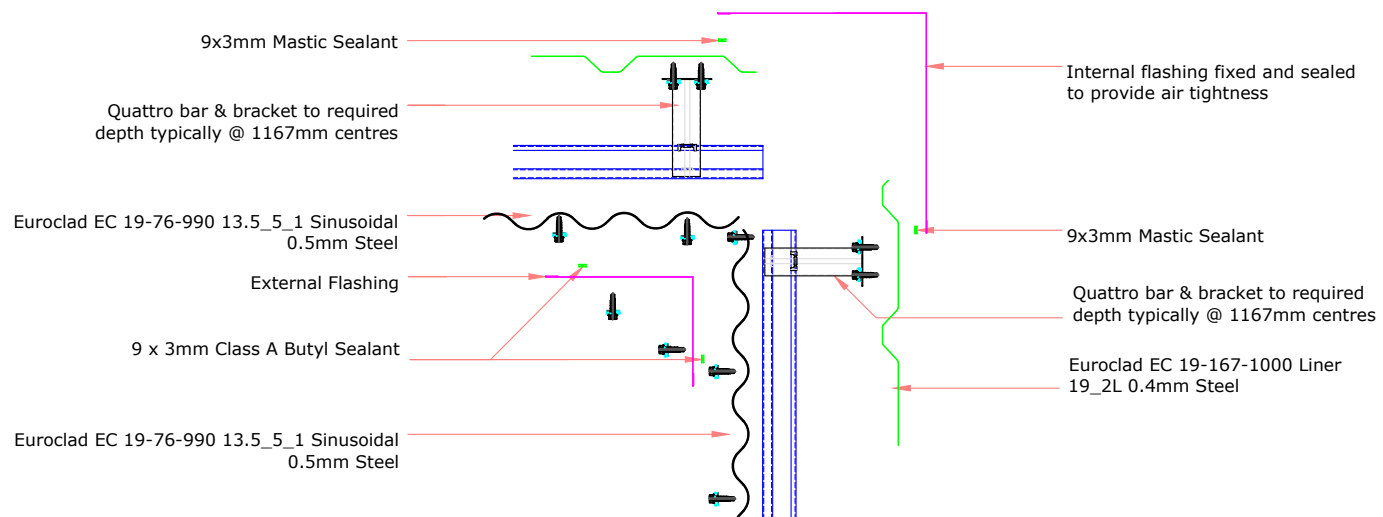
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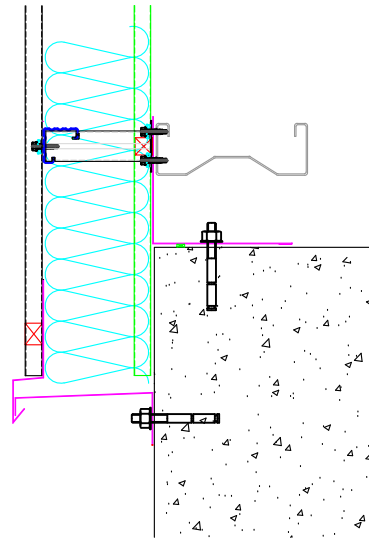


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Euroclad EC 19-167-1000 Liner 19\_2L 0.4mm Steel

Quattro bar & bracket to required depth typically @ 1167mm centres

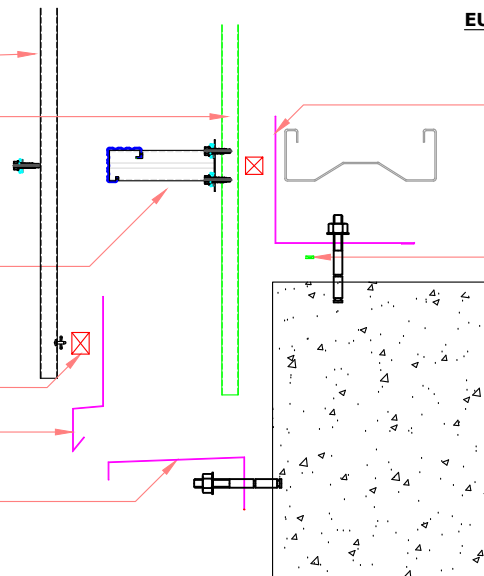
Profile Filler

Drip Flashing

Closure Flashing

Closure Flashing fixed and profile filler sealed to liner to provide air tightness

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

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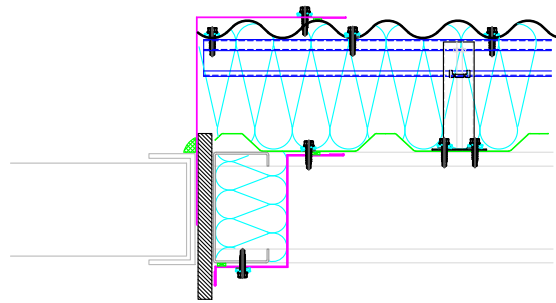


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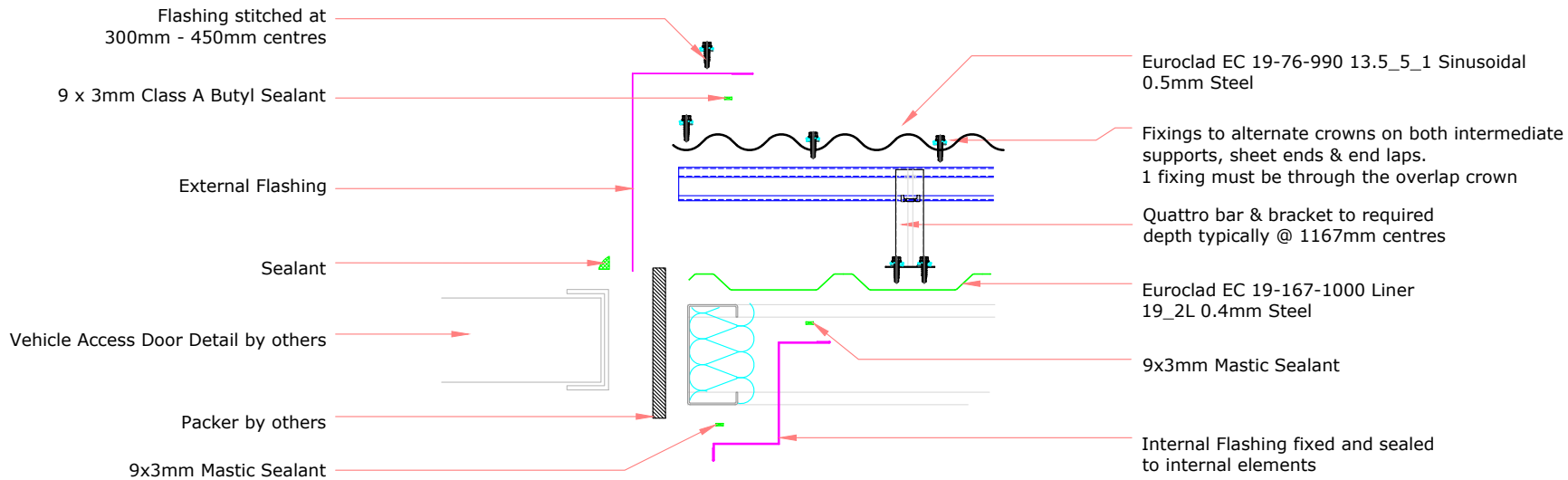
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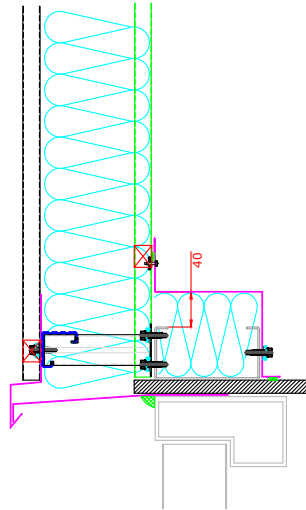
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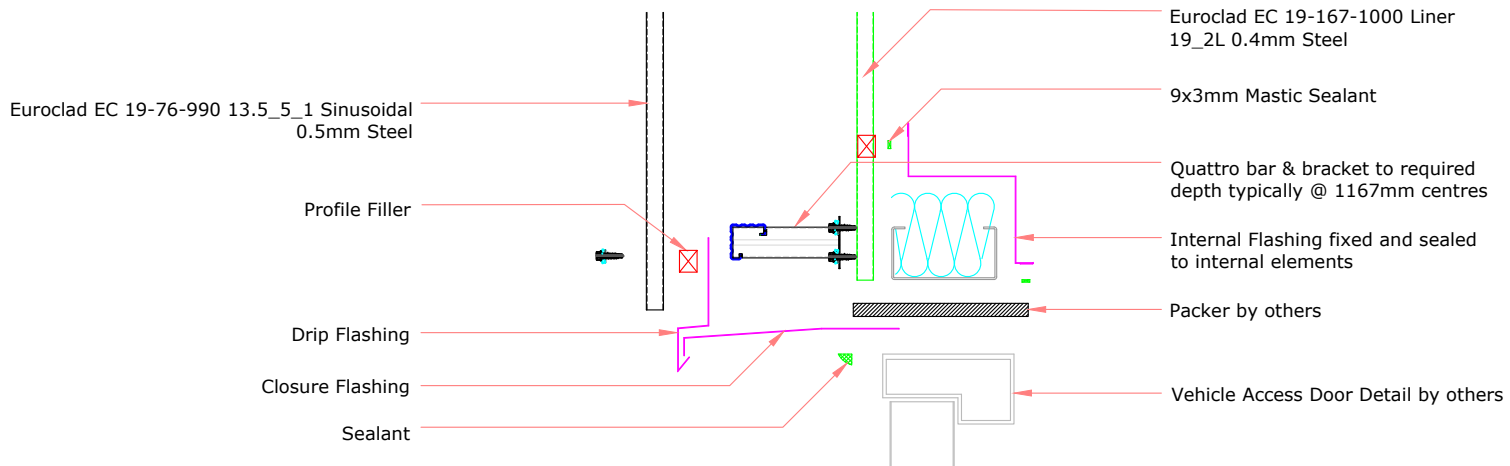
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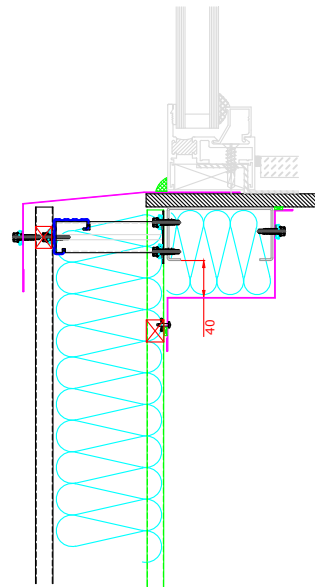


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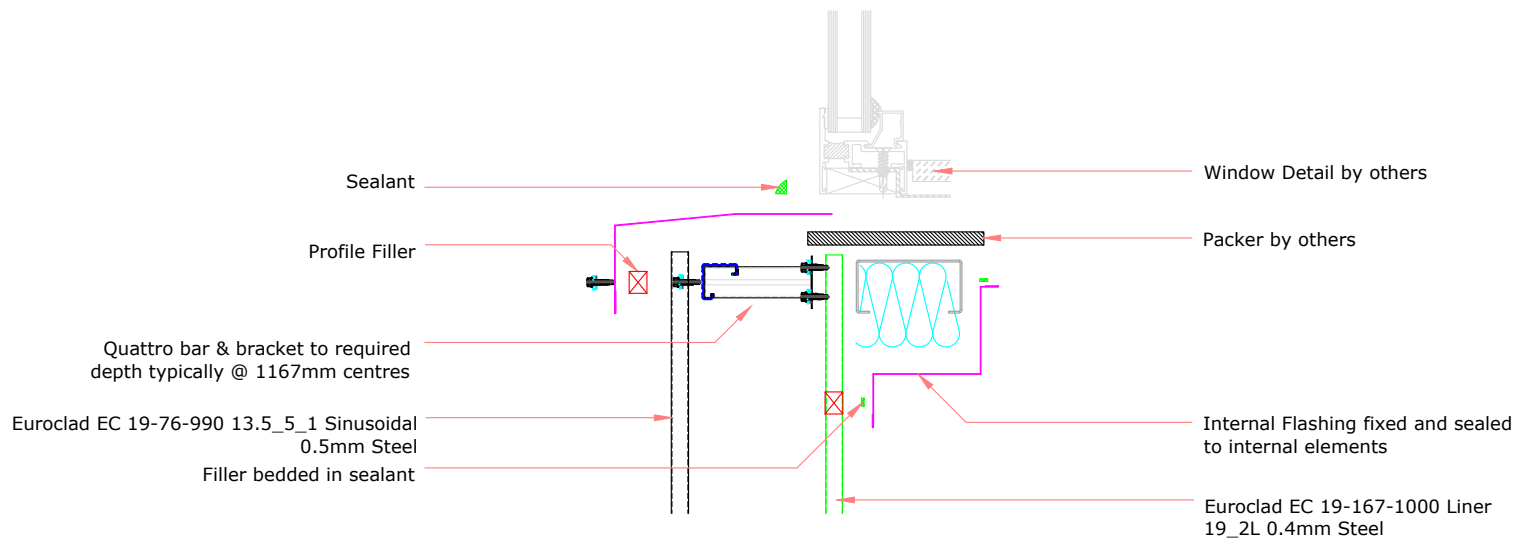
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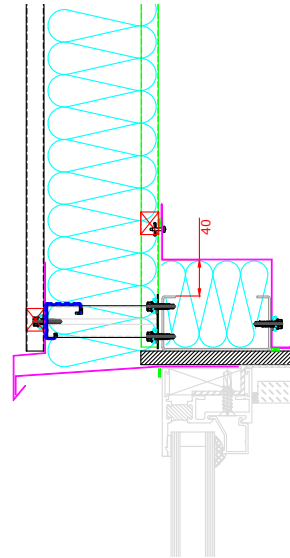
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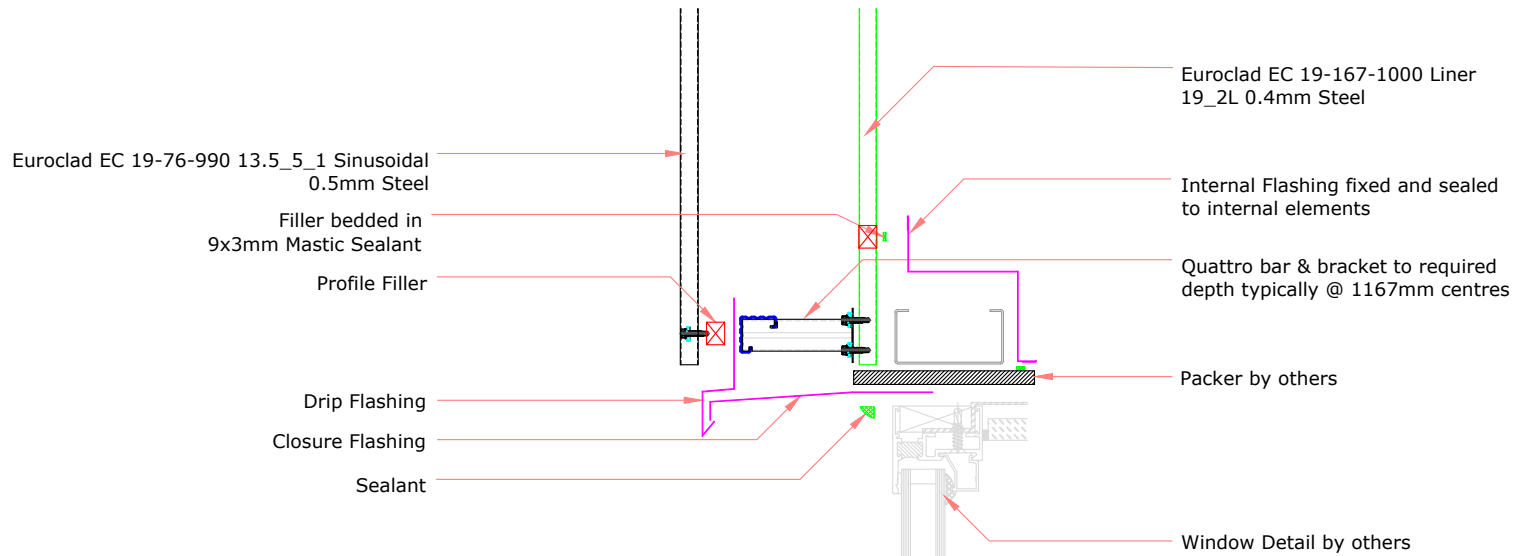
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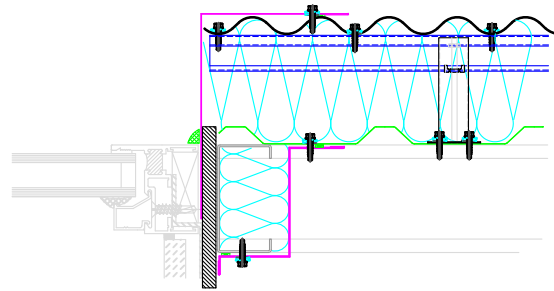
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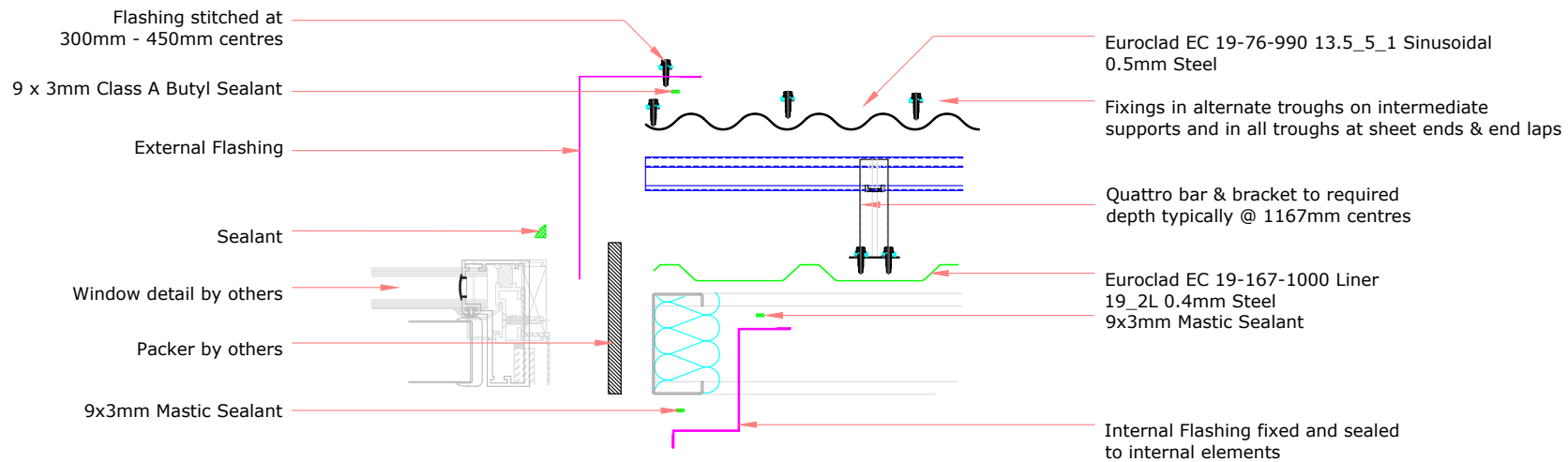
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