



|                                                         |
|---------------------------------------------------------|
| <b>TITLE: Vieo Horizontal Warm Wall (On Ply or OSB)</b> |
| <b>DWG NO: V10_HWC_TD_System</b>                        |
| <b>SCALE: NTS</b>                                       |
| <b>ISSUE DATE: Feb 2019</b>                             |

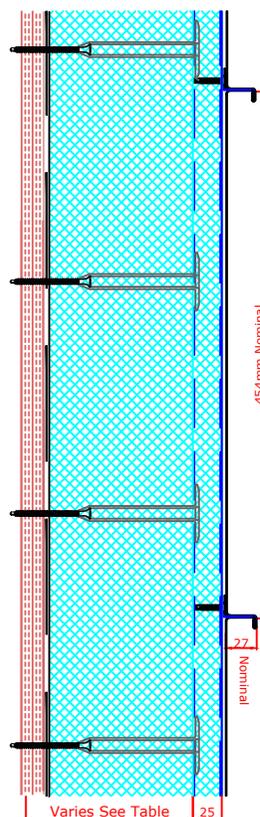
(To be read in conjunction with Vieo system specification documents)

**Euroclad Group Ltd,  
Wentloog Corporate Park,  
Wentloog Road, Cardiff CF3 2ER  
Tel: +44 (0)2922 010101  
Fax: +44 (0)2922 010122  
Website: [www.vieorooft.com](http://www.vieorooft.com)**

Drawn by: CD Checked by: MP

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Standard offer is 454mm profile.  
Also available on request in other widths from 200mm to 517mm.  
Above 454mm is not Technically supported.



Ply/Timber/OSB facing  
by Others in accordance  
with relevent standards.

|                                                             |                            |                            |                            |                            |
|-------------------------------------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| <b>U Value</b>                                              | <b>0.25</b>                | <b>0.20</b>                | <b>0.18</b>                | <b>0.15</b>                |
| <b>Insulation Depth</b><br>(Excluding 25mm upper slab)      | 115mm                      | 150mm                      | 170mm                      | 205mm                      |
| <b>Overall System Depth</b><br>(Excluding Timber Substrate) | 169mm                      | 204mm                      | 224mm                      | 259mm                      |
| <b>System Weight / M<sup>2</sup></b>                        |                            |                            |                            |                            |
| <b>Steel</b> 0.7mm<br>(Excluding Timber Substrate)          | 23.28<br>kg/m <sup>2</sup> | 24.90<br>kg/m <sup>2</sup> | 27.00<br>kg/m <sup>2</sup> | 30.68<br>kg/m <sup>2</sup> |
| <b>System Weight / M<sup>2</sup></b>                        |                            |                            |                            |                            |
| <b>Aluminium</b> 0.9mm<br>(Excluding Timber Substrate)      | 17.74<br>kg/m <sup>2</sup> | 21.41<br>kg/m <sup>2</sup> | 23.51<br>kg/m <sup>2</sup> | 27.19<br>kg/m <sup>2</sup> |

|                                                             |                            |                            |                            |                            |                            |
|-------------------------------------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| <b>U Value (RocSlab Lite)</b>                               | <b>0.25</b>                | <b>0.17</b>                | <b>0.15</b>                | <b>0.13</b>                | <b>0.11</b>                |
| <b>Insulation Depth</b><br>(Excluding 25mm upper slab)      | 90mm                       | 130mm                      | 150mm                      | 180mm                      | 200mm                      |
| <b>Overall System Depth</b><br>(Excluding Timber Substrate) | 144mm                      | 184mm                      | 204mm                      | 234mm                      | 254mm                      |
| <b>System Weight / M<sup>2</sup></b>                        |                            |                            |                            |                            |                            |
| <b>Steel</b> 0.7mm<br>(Excluding Timber Substrate)          | 18.96<br>kg/m <sup>2</sup> | 20.24<br>kg/m <sup>2</sup> | 20.88<br>kg/m <sup>2</sup> | 21.84<br>kg/m <sup>2</sup> | 22.48<br>kg/m <sup>2</sup> |
| <b>System Weight / M<sup>2</sup></b>                        |                            |                            |                            |                            |                            |
| <b>Aluminium</b> 0.9mm<br>(Excluding Timber Substrate)      | 15.47<br>kg/m <sup>2</sup> | 16.75<br>kg/m <sup>2</sup> | 17.39<br>kg/m <sup>2</sup> | 18.35<br>kg/m <sup>2</sup> | 18.99<br>kg/m <sup>2</sup> |

RocSlab Lite is a combination of PIR and Rock Fibre insulation



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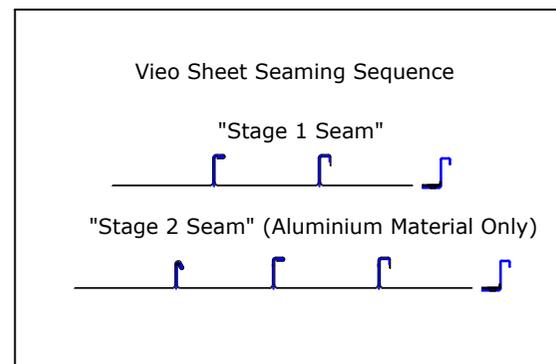
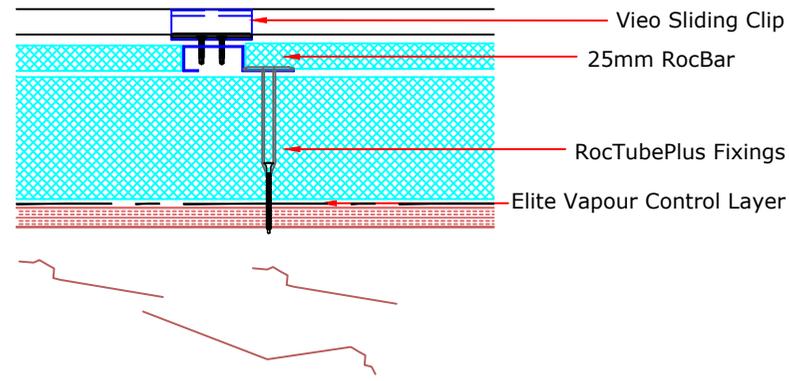
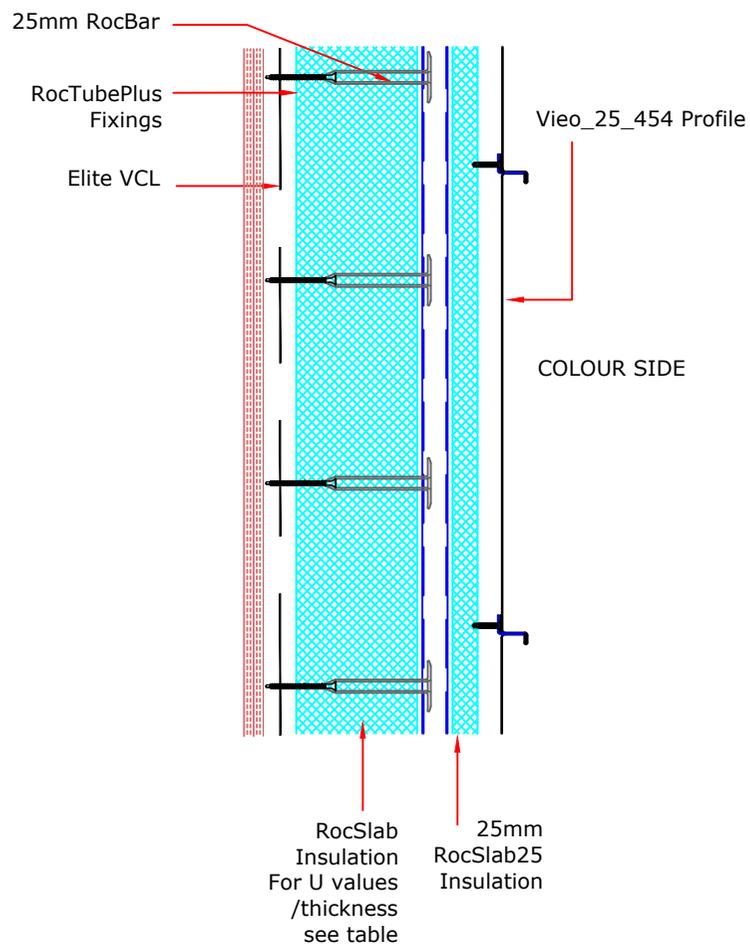
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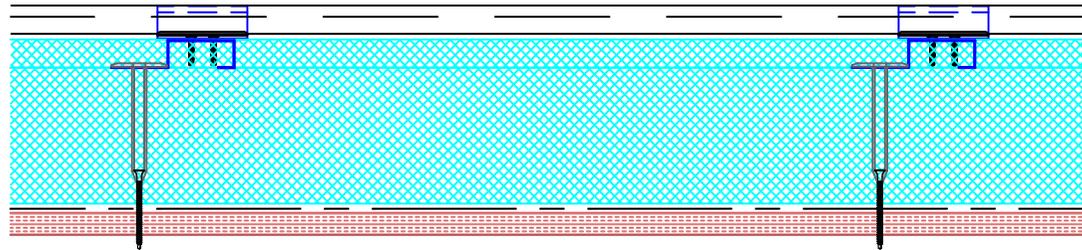
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**TYPICAL ARRANGEMENT: 1260mm IN CENTRAL AREAS, REDUCE CLIP CENTRES AT CORNERS AND IN HIGH LOAD AREAS.**

**CHECK SYSTEM CAPACITY AGAINST PROJECT LOADS AND ADJUST IF NECESSARY**

**CLIP TYPICAL CENTRES (APPLICABLE FOR STAGE 1 ALUMINIUM VIEO SHEETS ONLY):**

**DETERMINED BY PROJECT WIND SUCTION LOADS AS FOLLOWS:**

**1260mm for loads up to 0.8kN/M<sup>2</sup>**

**660mm for loads 0.8 to 1.2kN/M<sup>2</sup>**

**300mm for loads 1.2 to 3kN/M<sup>2</sup>**

**Where substrate is Min 18mm ply or Min 15mm OSB 3**

**IF HIGHER WIND LOADS ARE ANTICIPATED PLEASE REFER TO BELOW;**

**CLIP TYPICAL CENTRES (APPLICABLE FOR STAGE 2 ALUMINIUM VIEO SHEETS AND STAGE 1 STEEL VIEO SHEETS):**

**1260mm for loads up to 1.5kN/M<sup>2</sup>**

**660mm for loads 1.5 to 2.0kN/M<sup>2</sup>**

**300mm for loads 2 to 4kN/M<sup>2</sup>**

**Where substrate is Min 18mm ply or Min 15mm OSB 3**



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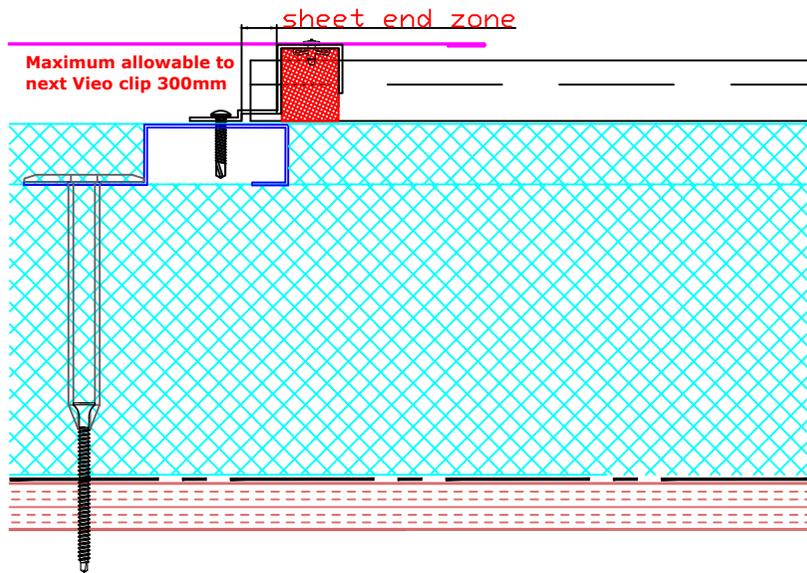
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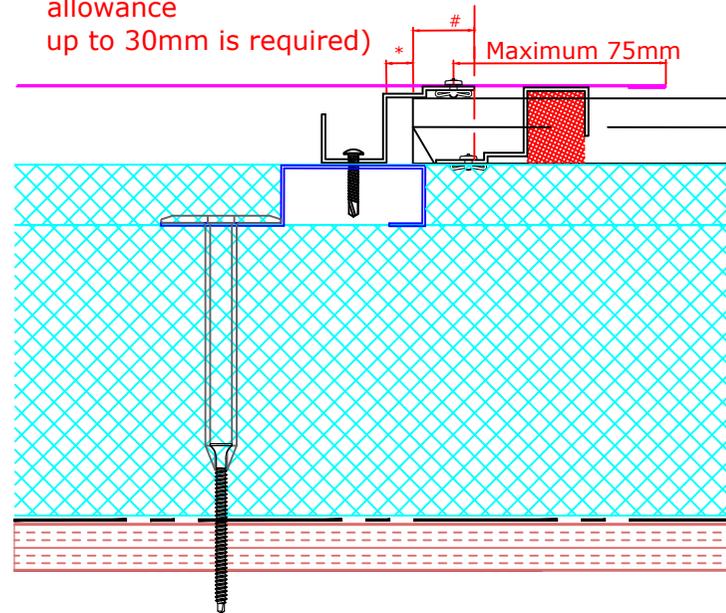
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**Movement allowed under flashings.**  
**Closure with flashing fixed to decking and not through sheet.**  
**Maximum allowable distance to next Vieo clip 300mm from closure fixing**  
**Cover flashings fixed to structure and Vieo Closure**

Appropriate where expansion allowance of Max 10mm required

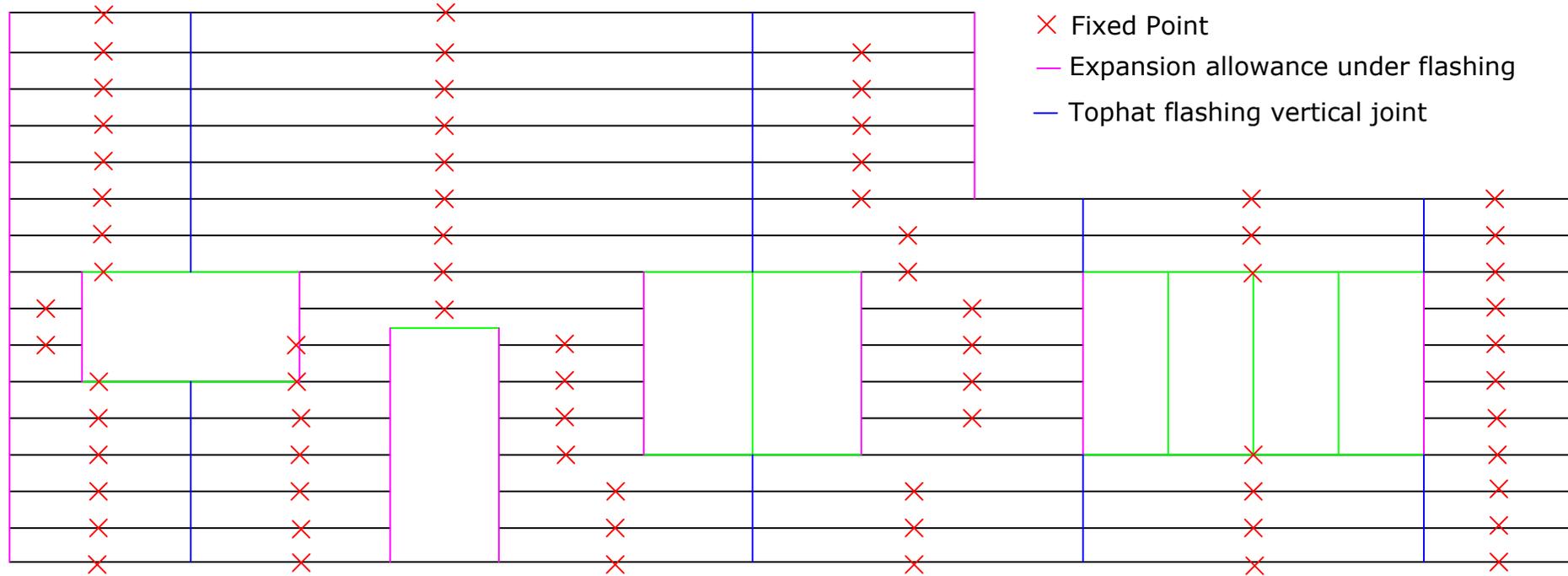


Flashing fixed to inverted Ridge Closure  
(Appropriate where expansion allowance up to 30mm is required)



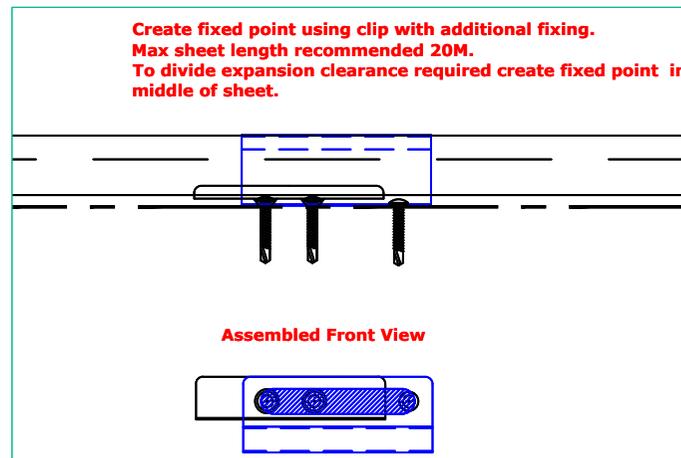
**\* Allow clearance for anticipated movement between support Closure, end of Vieo sheet & Ridge Closure**

**# end of Vieo sheet must fall under downslope edge of inverted Closure**



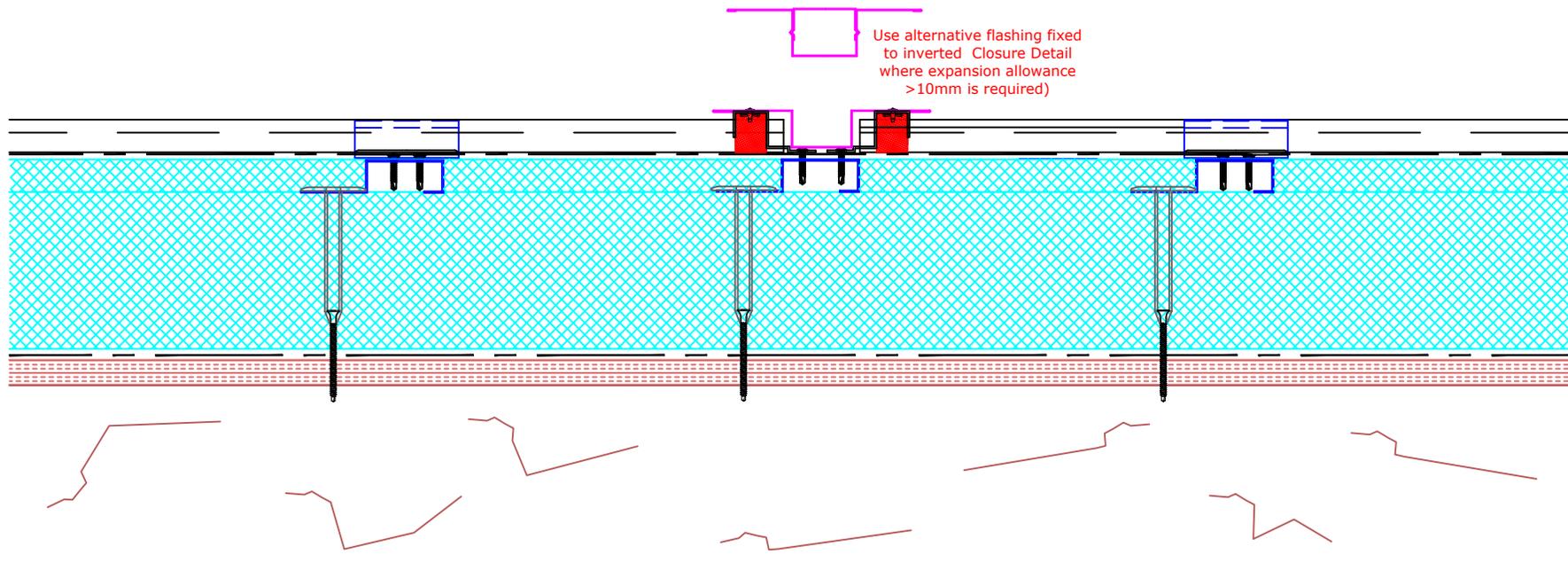
- ✗ Fixed Point
- Expansion allowance under flashing
- Tophat flashing vertical joint

**Create fixed point using clip with additional fixing.**  
**Max sheet length recommended 20M.**  
**To divide expansion clearance required create fixed point in middle of sheet.**



Alternative Insert for inverted  
Tophat

Use alternative flashing fixed  
to inverted Closure Detail  
where expansion allowance  
>10mm is required)



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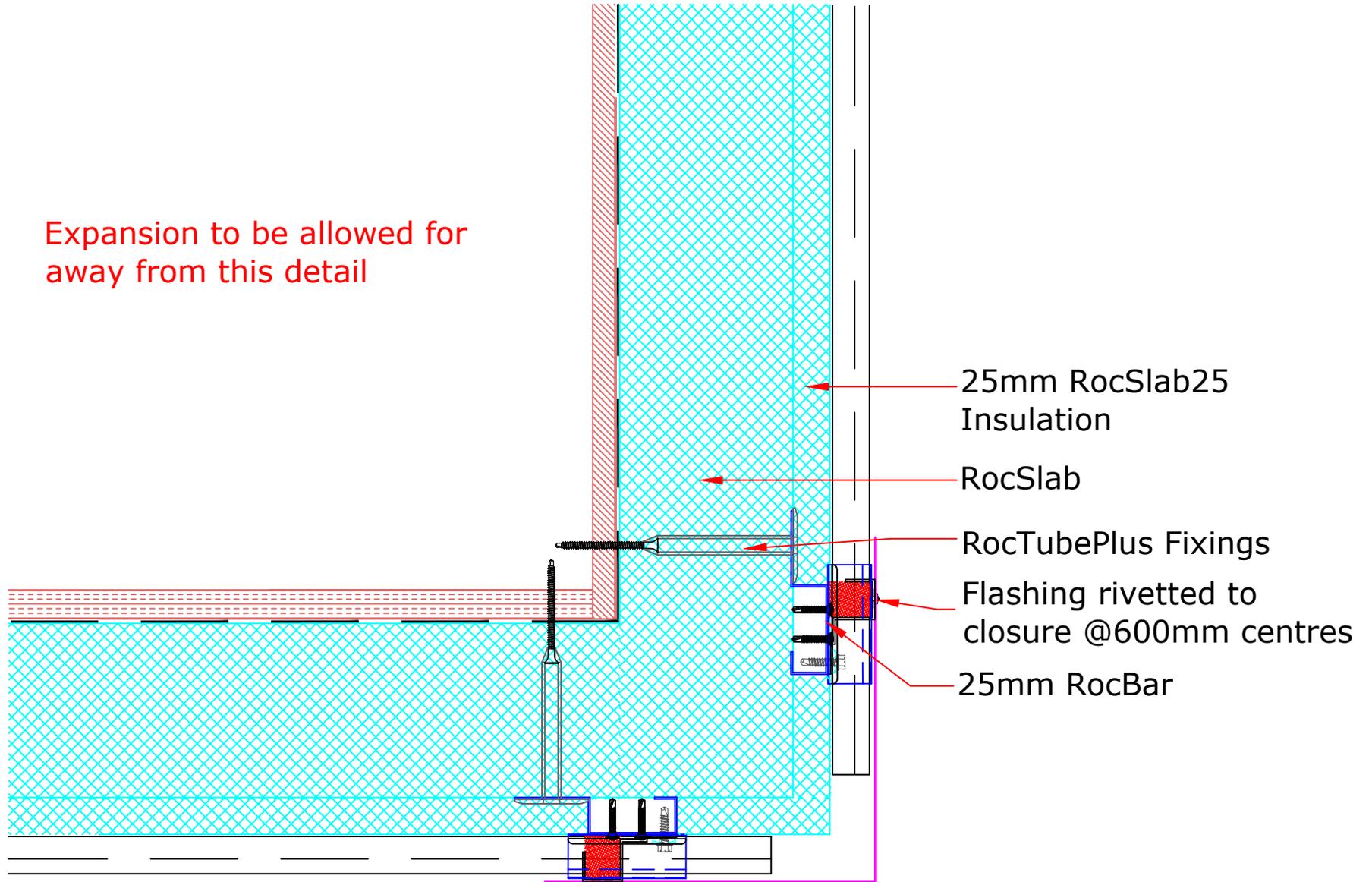
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Expansion to be allowed for away from this detail





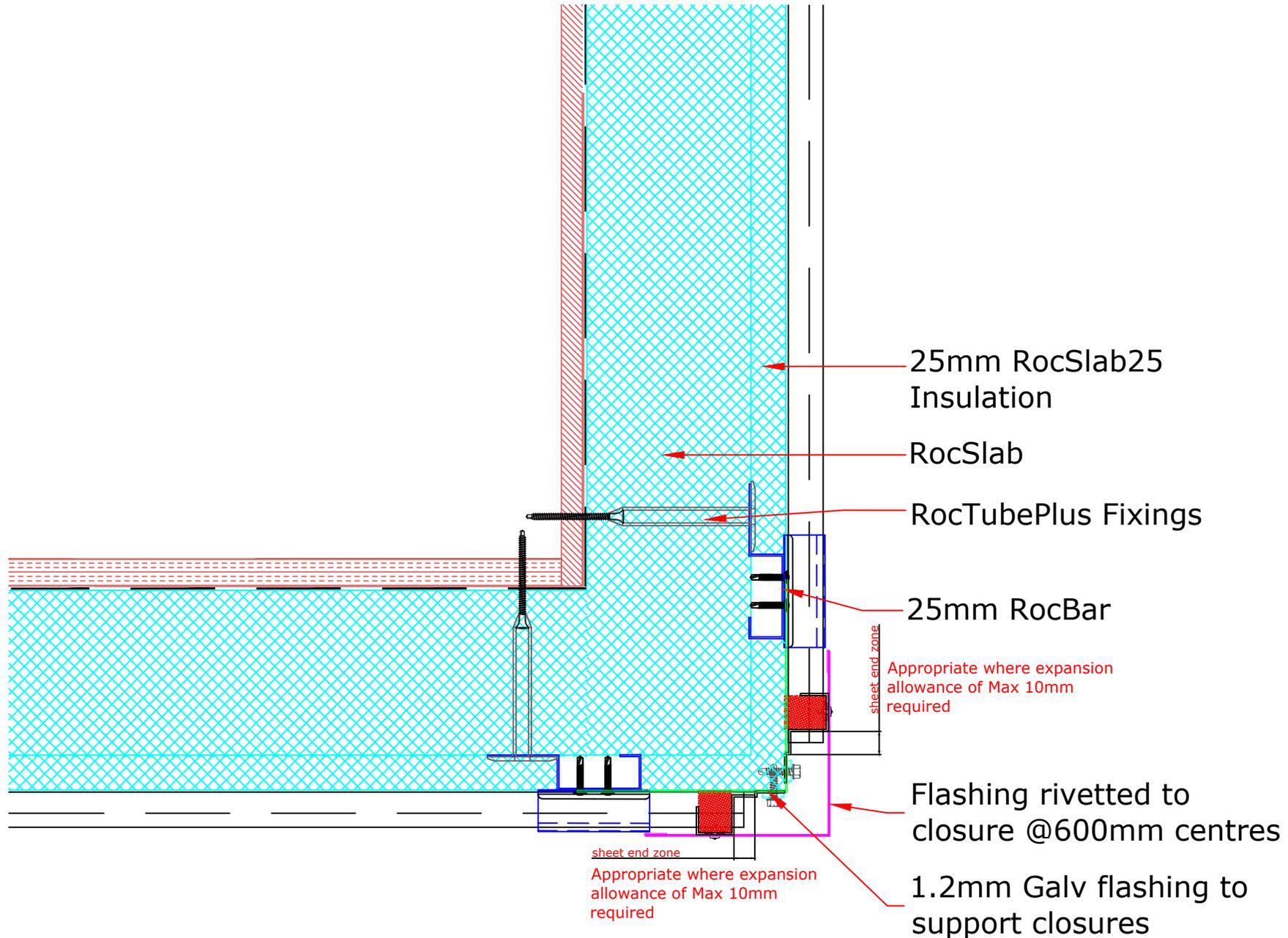
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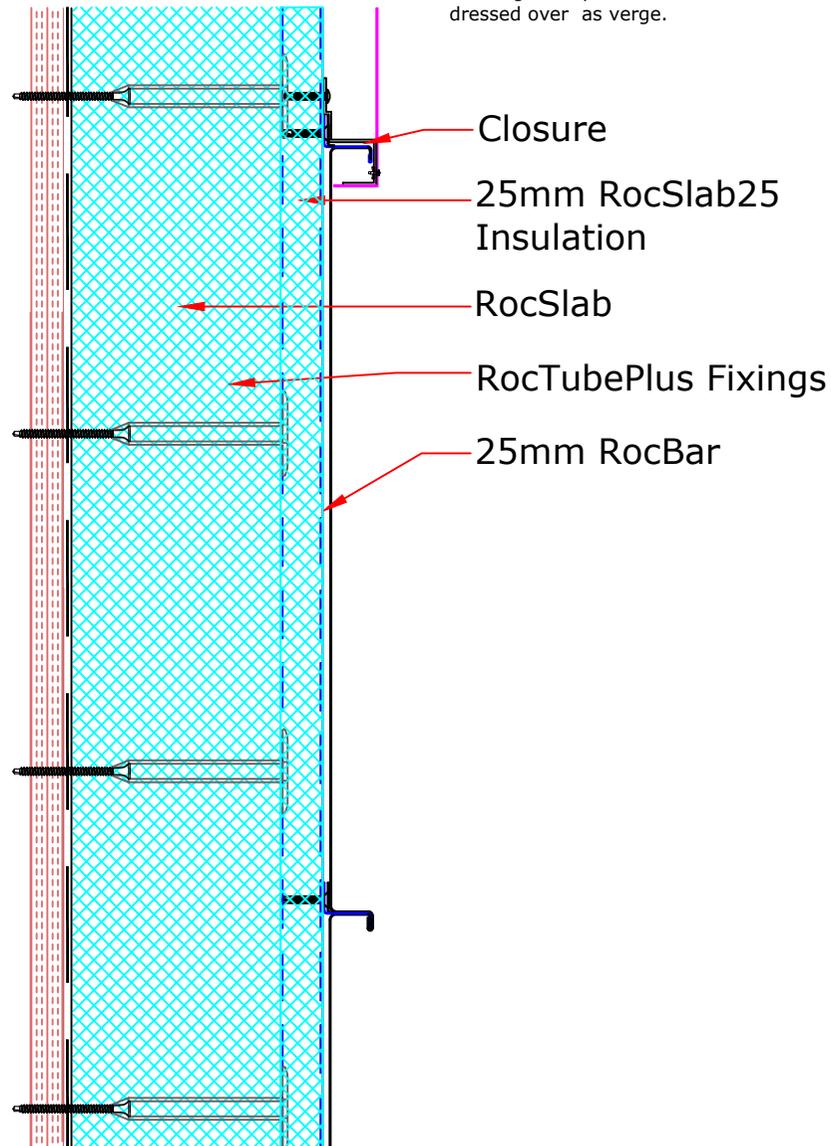
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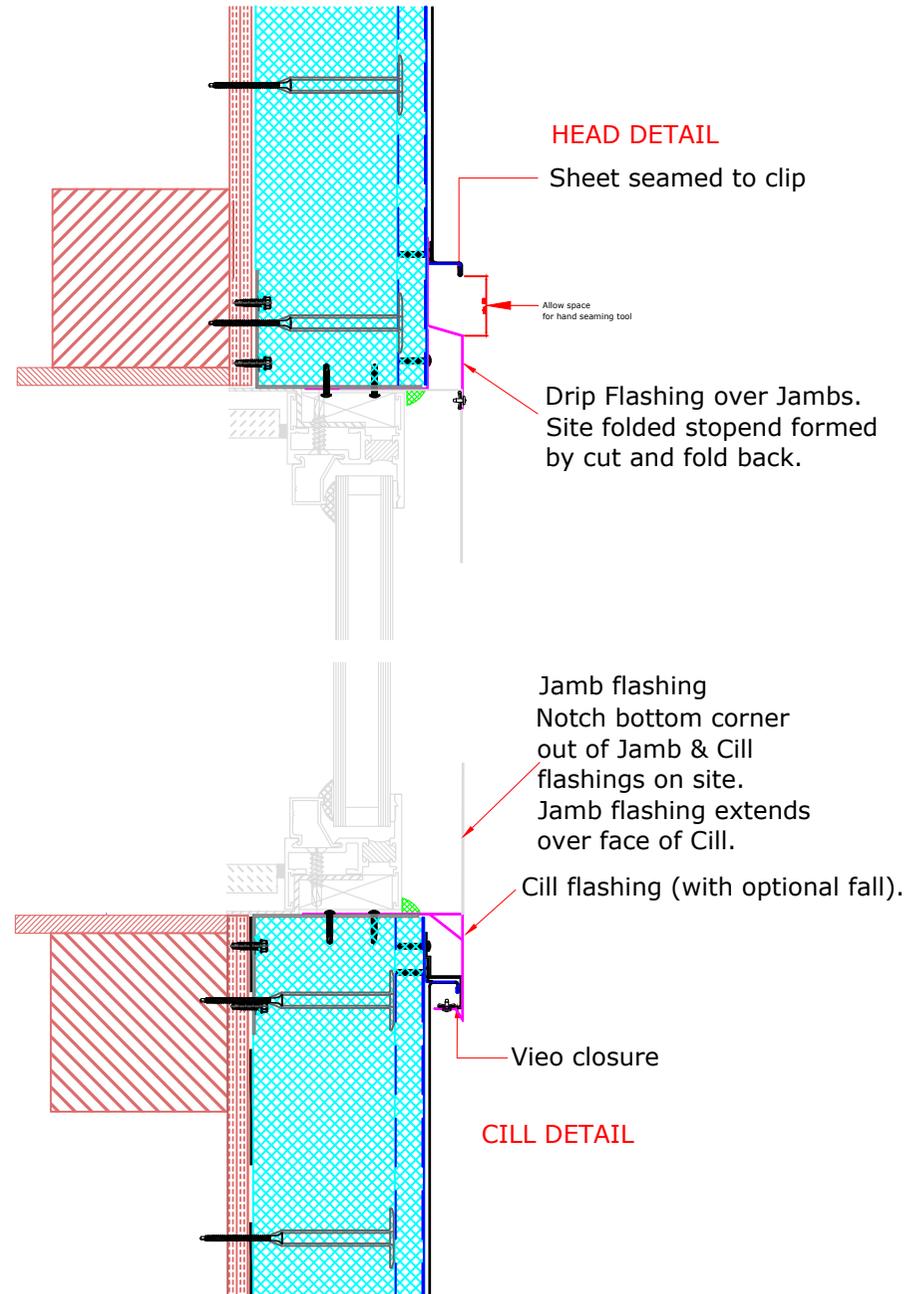
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At gable ends it is normally necessary to use rake cut sheets with bespoke length fillers and closure sections. In some cases it may be possible to detail tapered sheets or flashings.

Flashing as drip under roof or dressed over as verge.





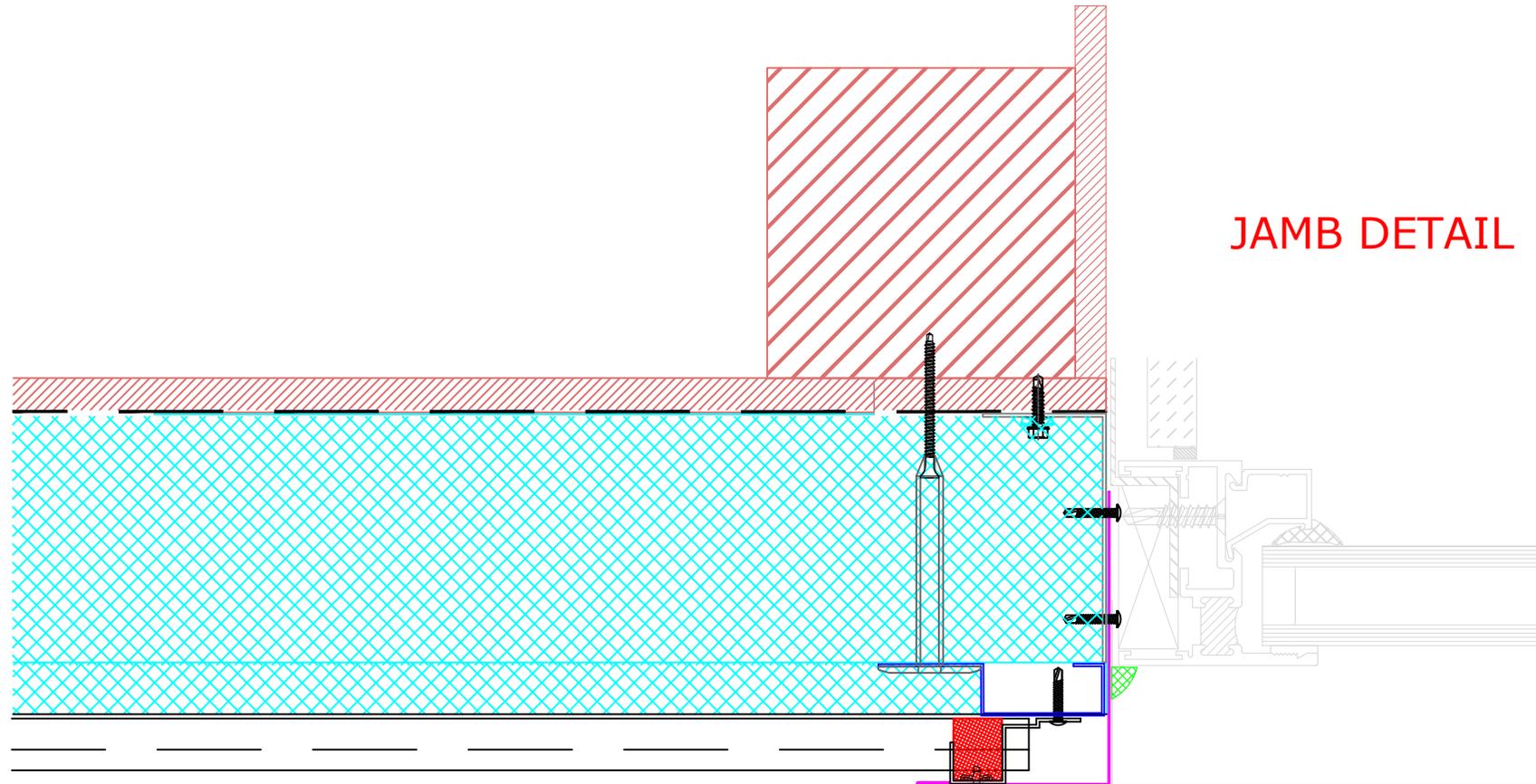
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## JAMB DETAIL

Jamb flashing

Cill flashing



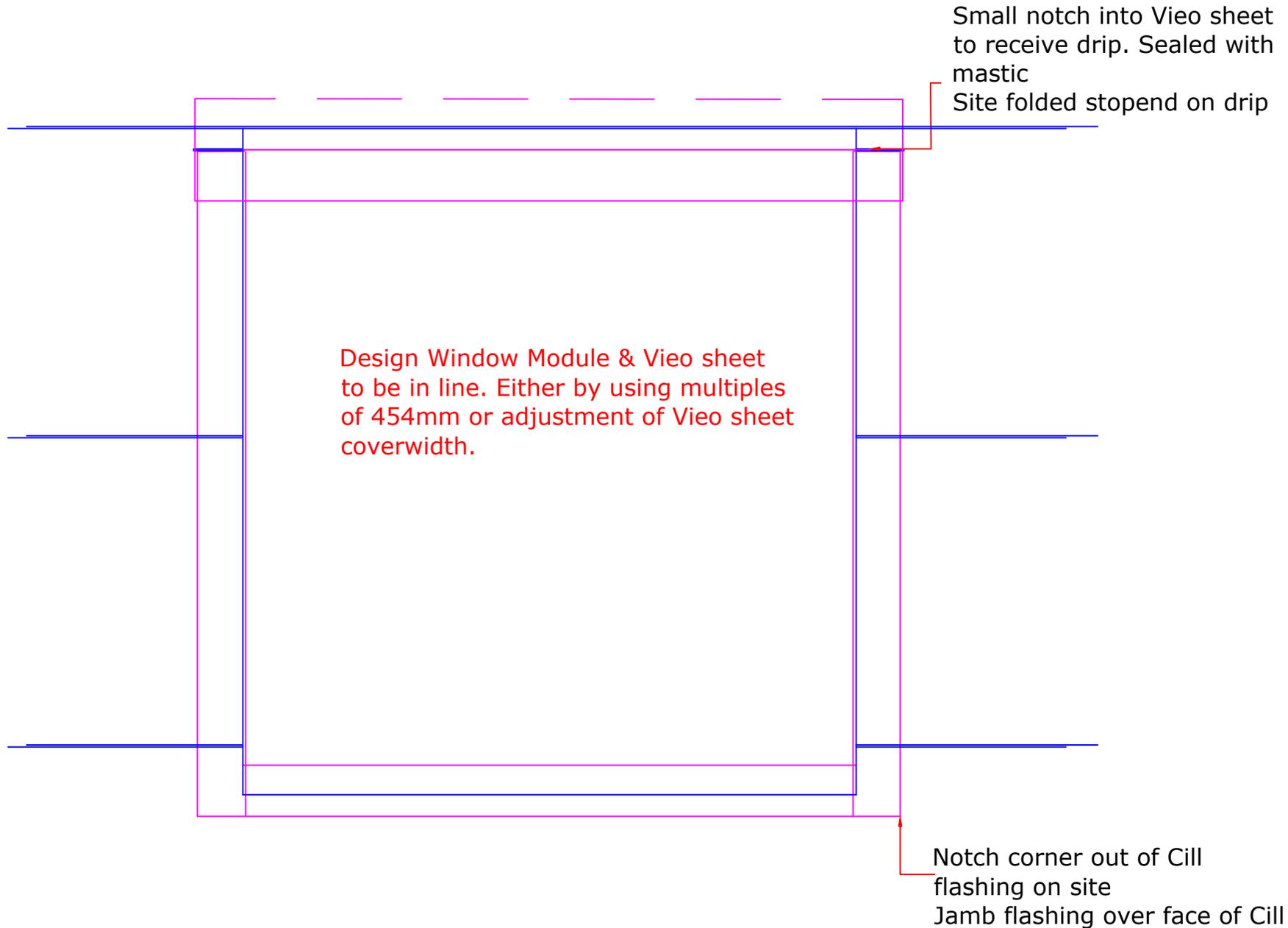
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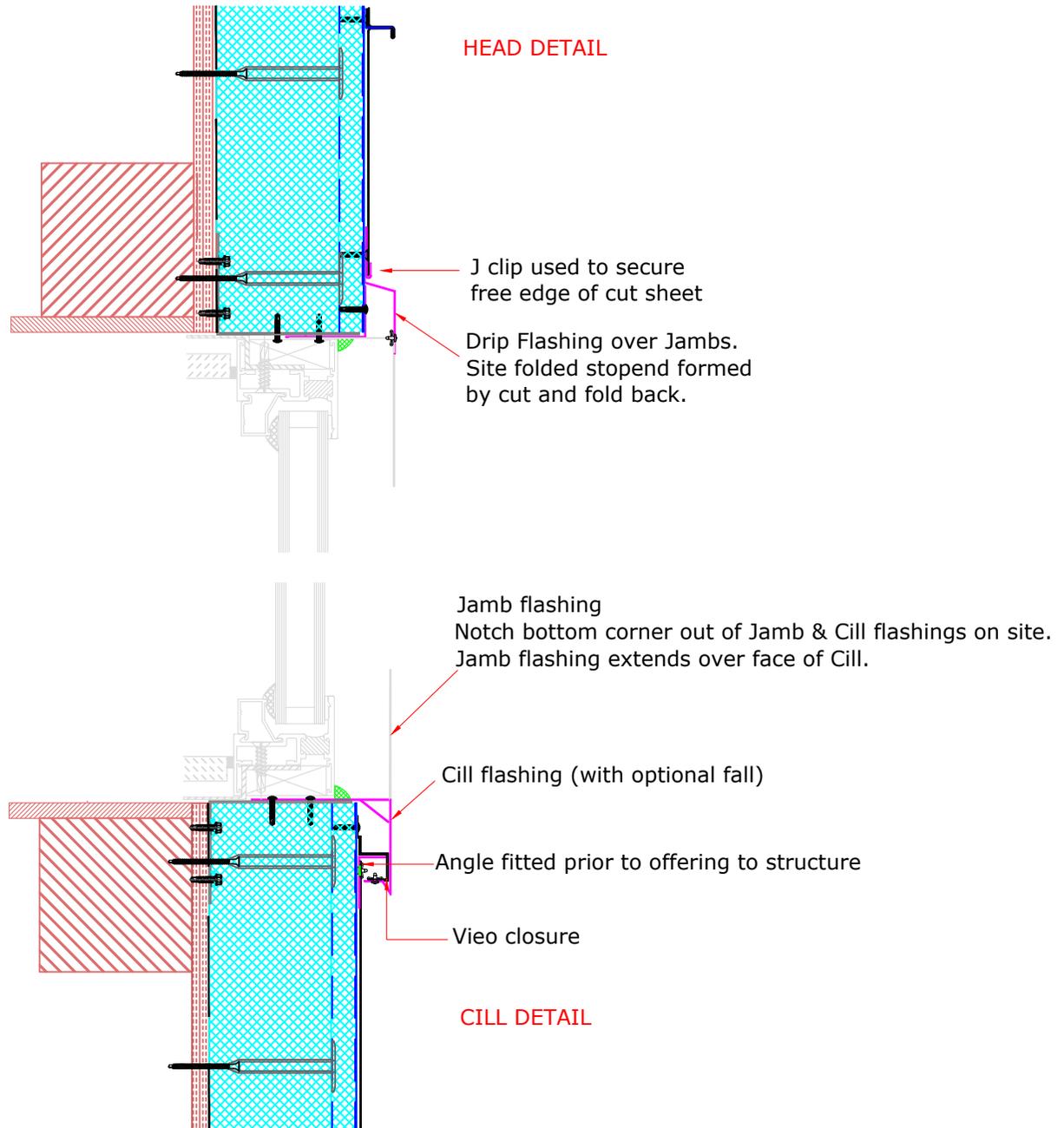
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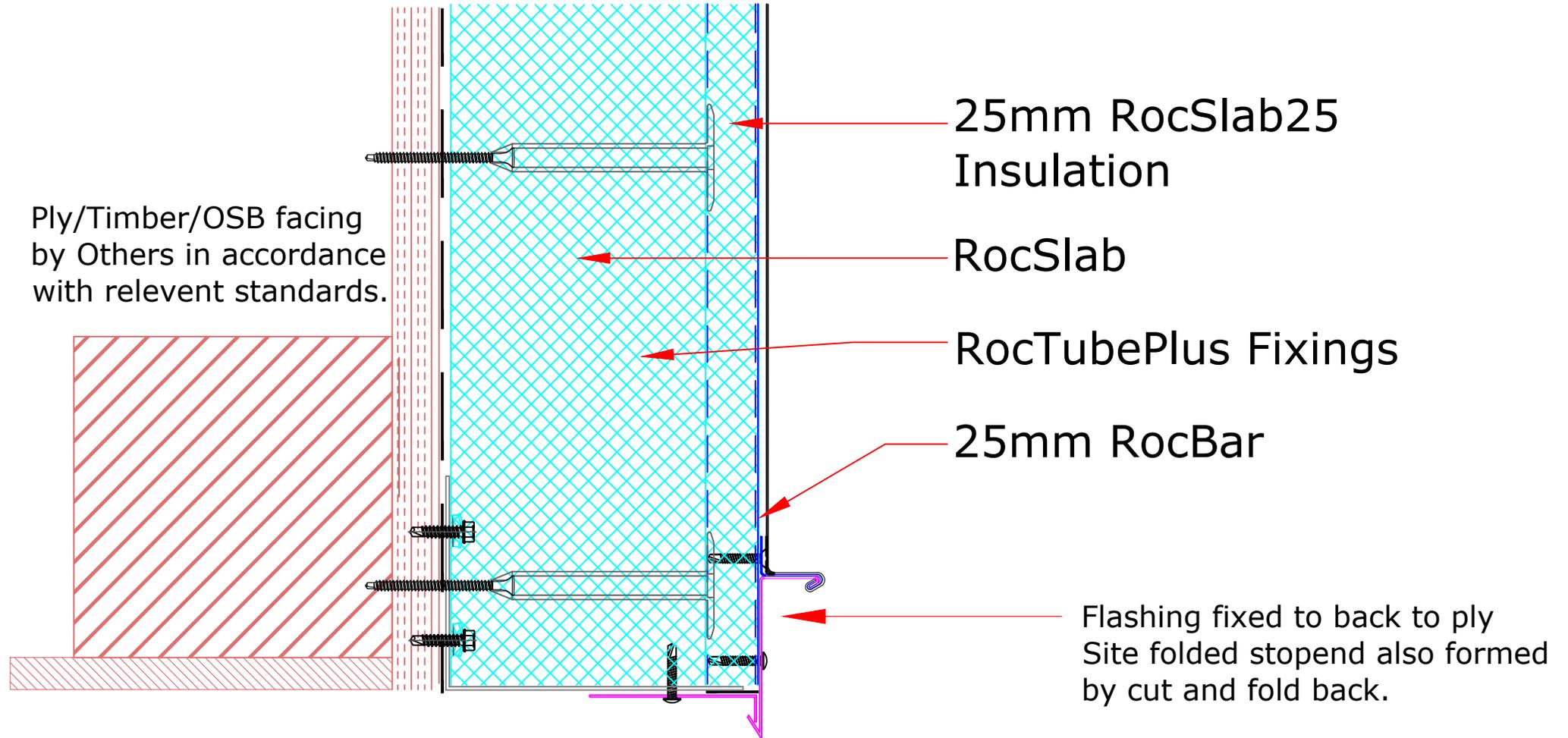
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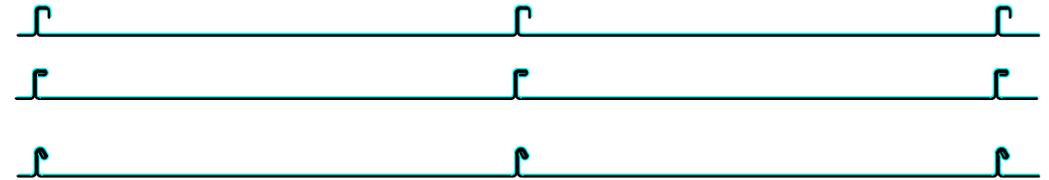
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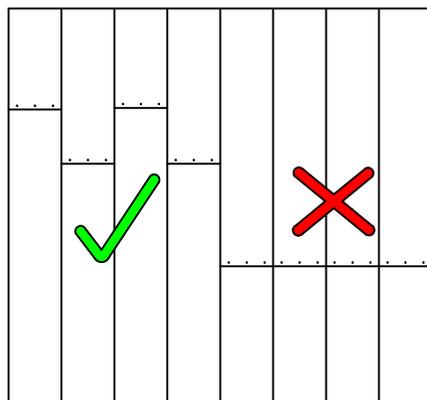
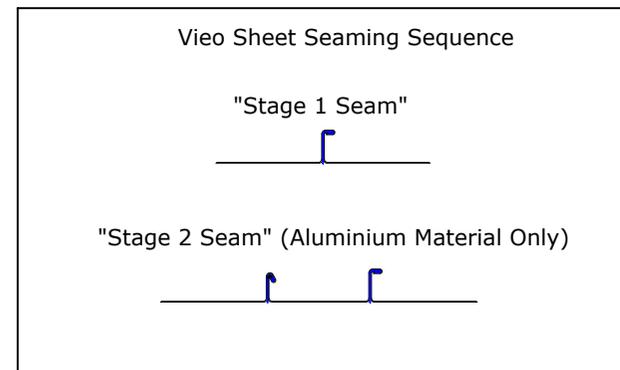
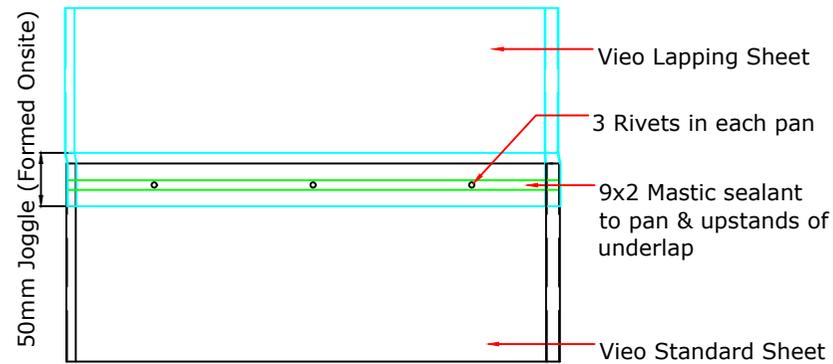
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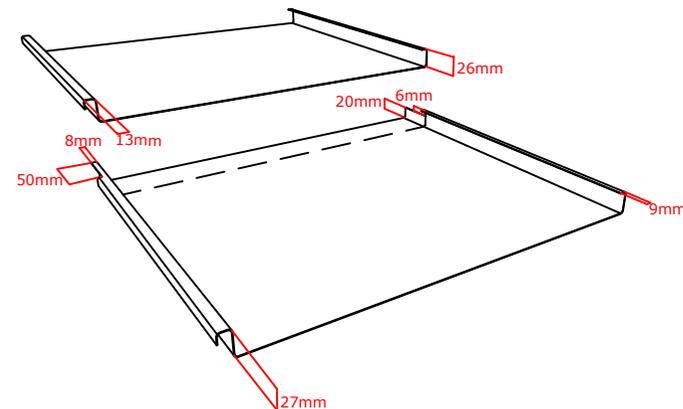
**SEAMING OPTIONS AT END LAP**

For advice on fixed point locations please contact Euroclad Technical



Lap joints must be staggered at least 100mm apart  
Clips minimum 100mm from joint

Vieo Sheets cut on site prior to jointing



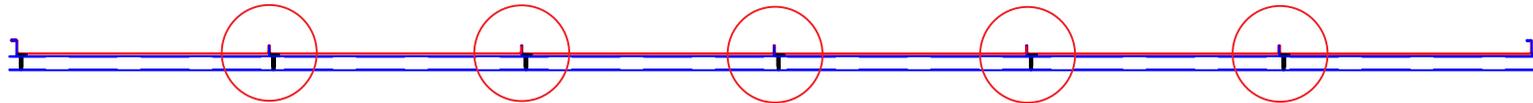
## STEP 1

Damaged sheets in red



## STEP 2

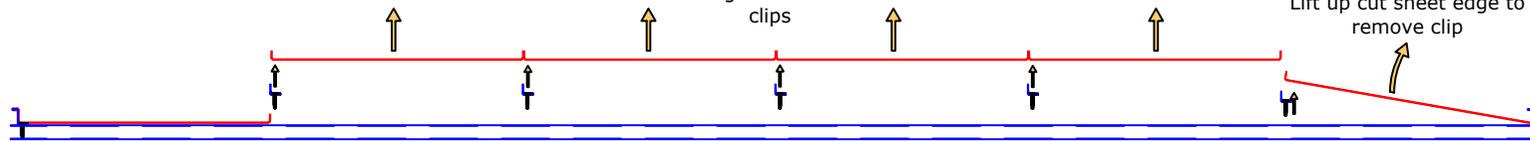
Cut off upstands of damaged sheets



## STEP 3

Remove the central damaged sheets and clips

Lift up cut sheet edge to remove clip



## STEP 4

Apply touch up paint to cut edge.

Apply an adhesive to bond the single upstand sheet to the damaged sheet.

Single upstand sheets

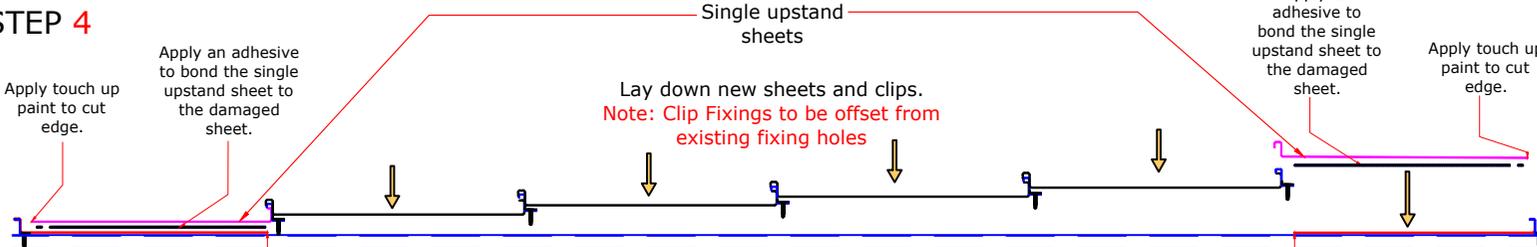
Lay down new sheets and clips.  
**Note: Clip Fixings to be offset from existing fixing holes**

Apply an adhesive to bond the single upstand sheet to the damaged sheet.

Apply touch up paint to cut edge.

Damaged sheet cut back from cut off upstand to provide a flat bonding surface.

Damaged sheet cut back from cut off upstand to provide a flat bonding surface.



## STEP 5

New sheets in place



Single upstand sheet should be manufactured narrower than what was originally ordered to allow for creep of new sheets.

Continuous run of adhesive set back by 10-15mm from sheet edge to be of consistent bead size.

Pressure should be applied to achieve a bond and seal along sheet length. Use sealed rivets if necessary.