

# Seamlock Warm Roof Helpsheet

**Patrick Lynch Roof Cladding**

The largest stockist of  
steel roof sheeting and cladding in Ireland

Phone: 064 - 6685411

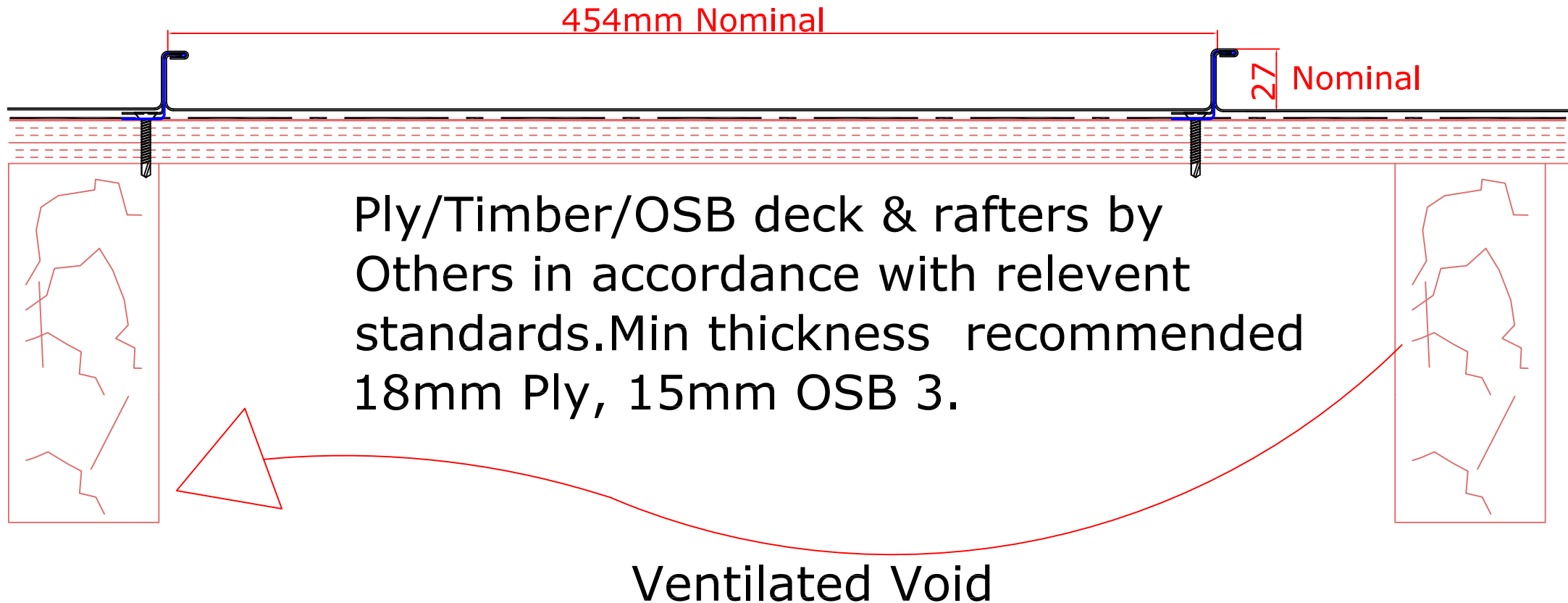
Phone: 087 - 2543499

Phone: 021 - 4551000

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[info@patricklynchroofcladding.com](mailto:info@patricklynchroofcladding.com)

[www.patricklynchroofcladding.com](http://www.patricklynchroofcladding.com)





### Sheet Seaming Sequence

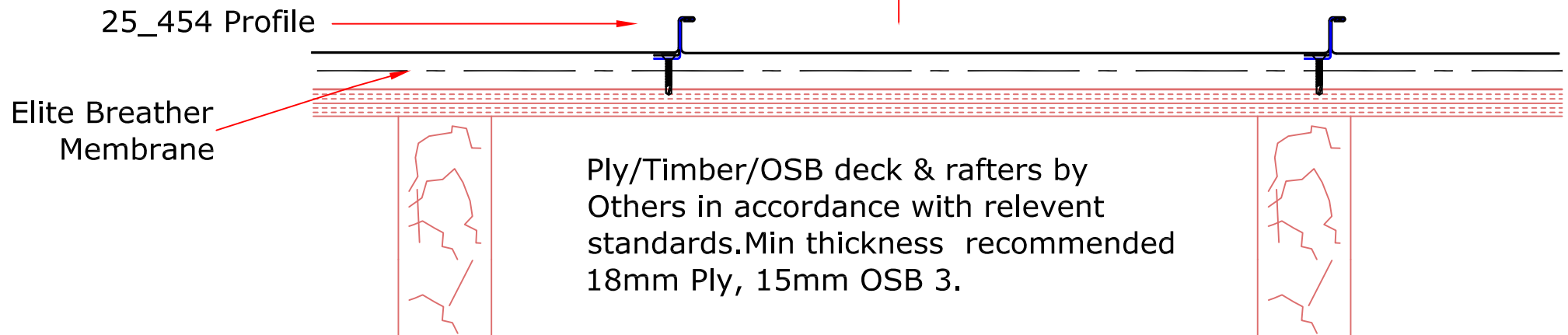
"Stage 1 Seam" (Steel Material Only)



"Stage 2 Seam" (Aluminium Material Only)



### COLOUR SIDE



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

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

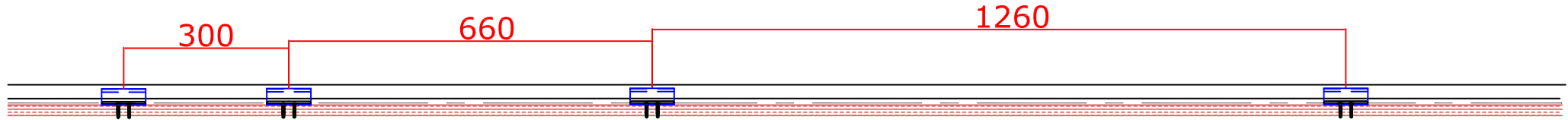
**CLIP TYPICAL CENTRES:  
DETERMINED BY PROJECT WIND SUCTION LOADS AS FOLLOWS:**

**1260mm for loads up to  $1.5\text{kN/M}^2$**

**660mm for loads  $1.5$  to  $2.0\text{kN/M}^2$**

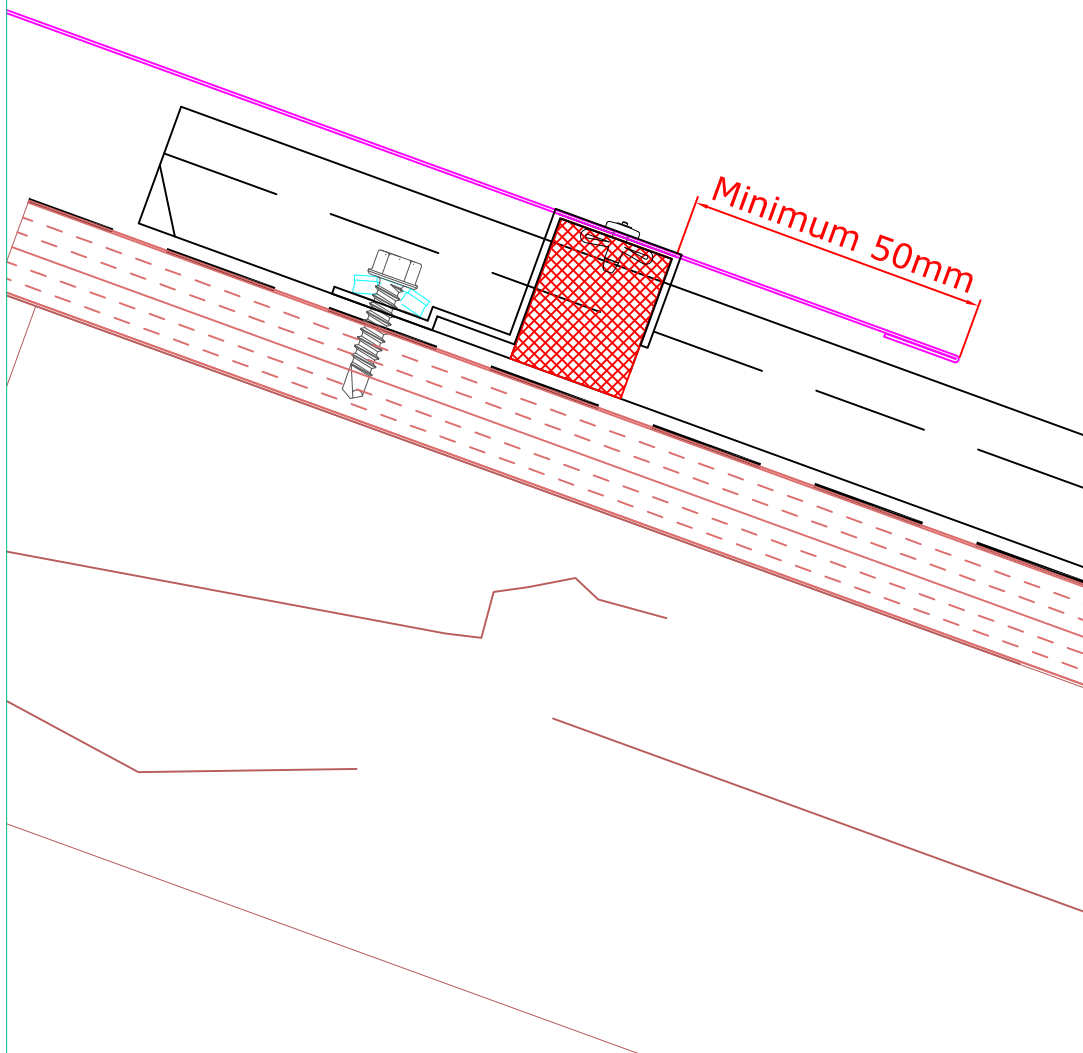
**300mm for loads  $2$  to  $4\text{kN/M}^2$**

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



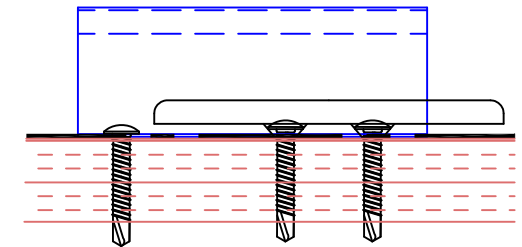
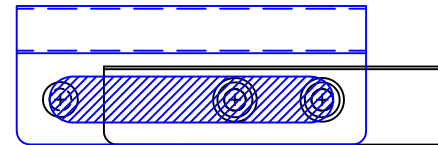
## **Standard Fixed Point.**

**Fixed through closure and sheet  
to decking**



**Alternative for use elsewhere on slope: Create  
Fixed Point Using Clip with Additional Fixing**

### **Assembled Plan View**



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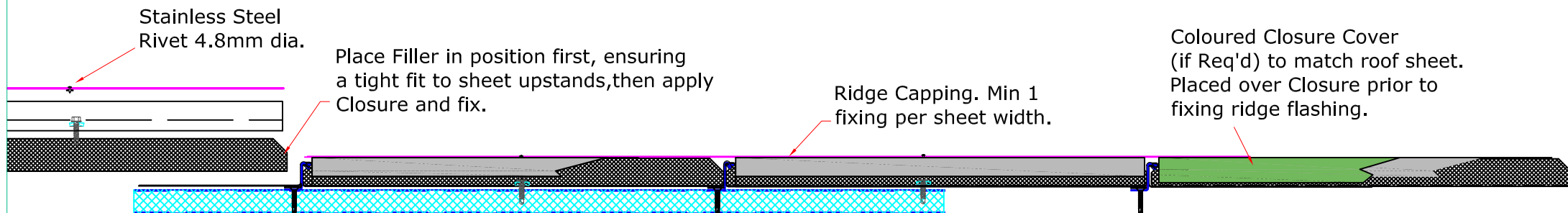
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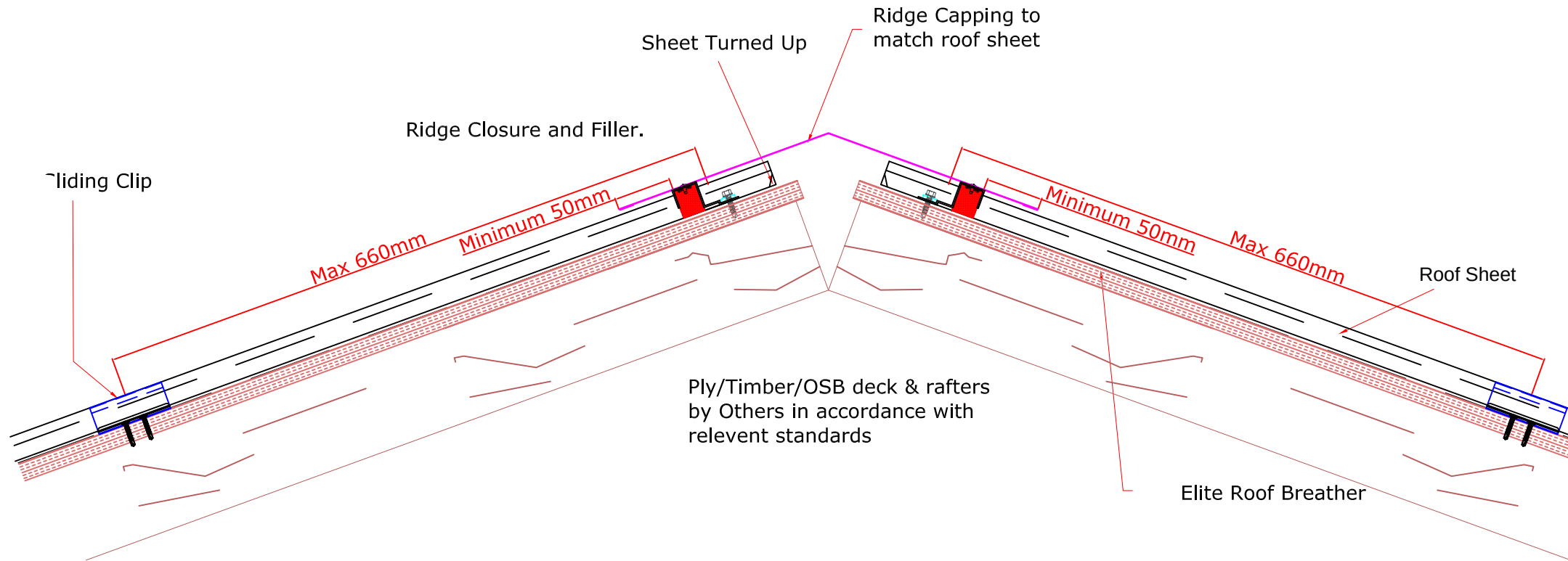
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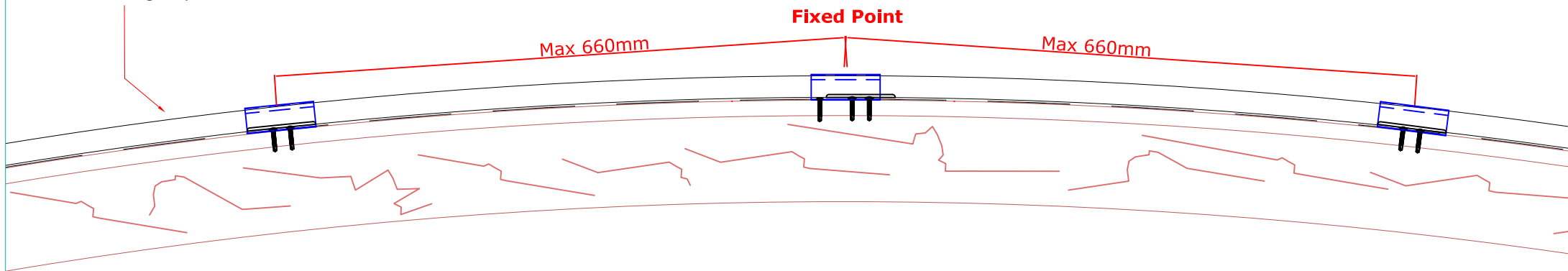
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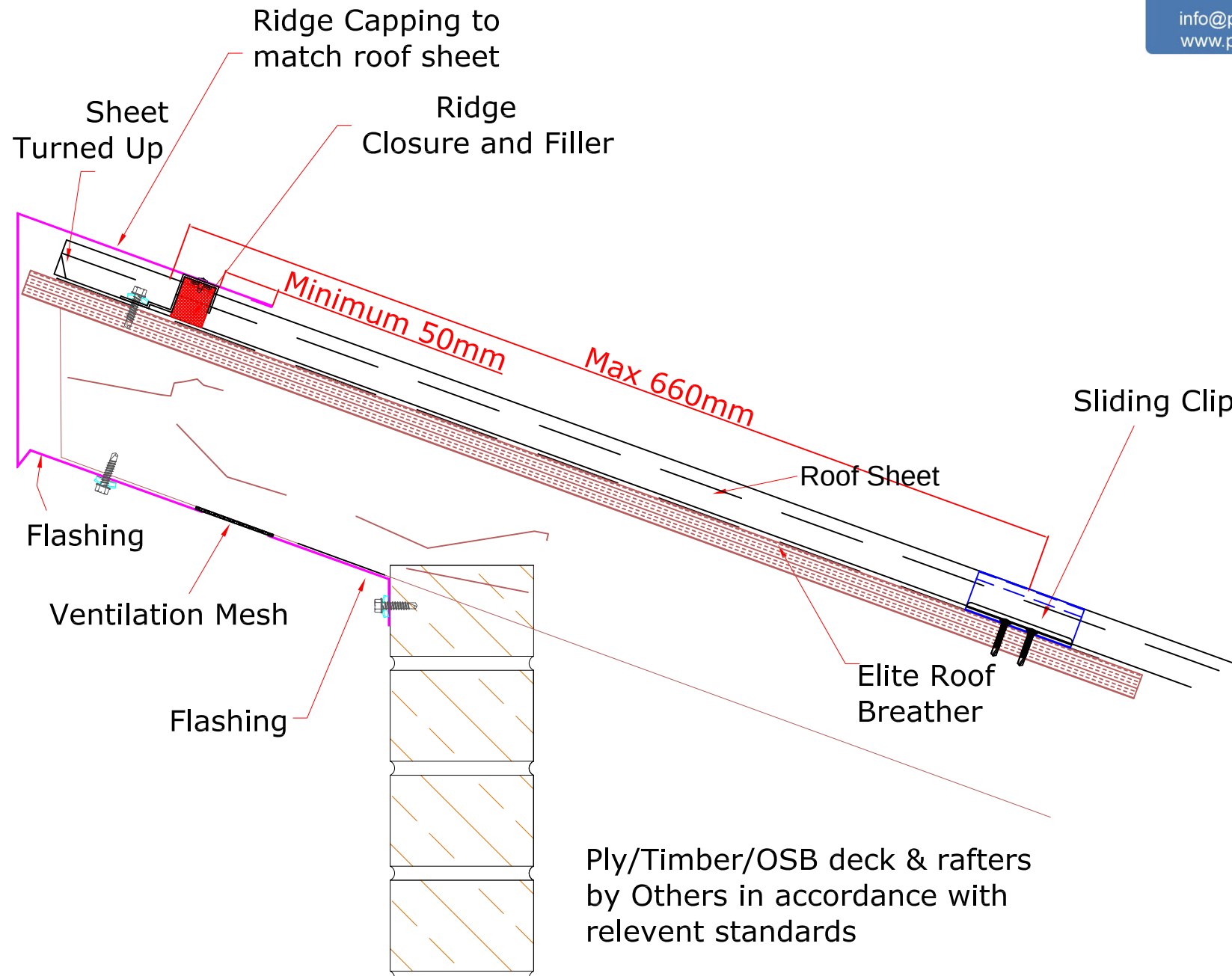
Sliding Clip

Fixed Point

Max 660mm

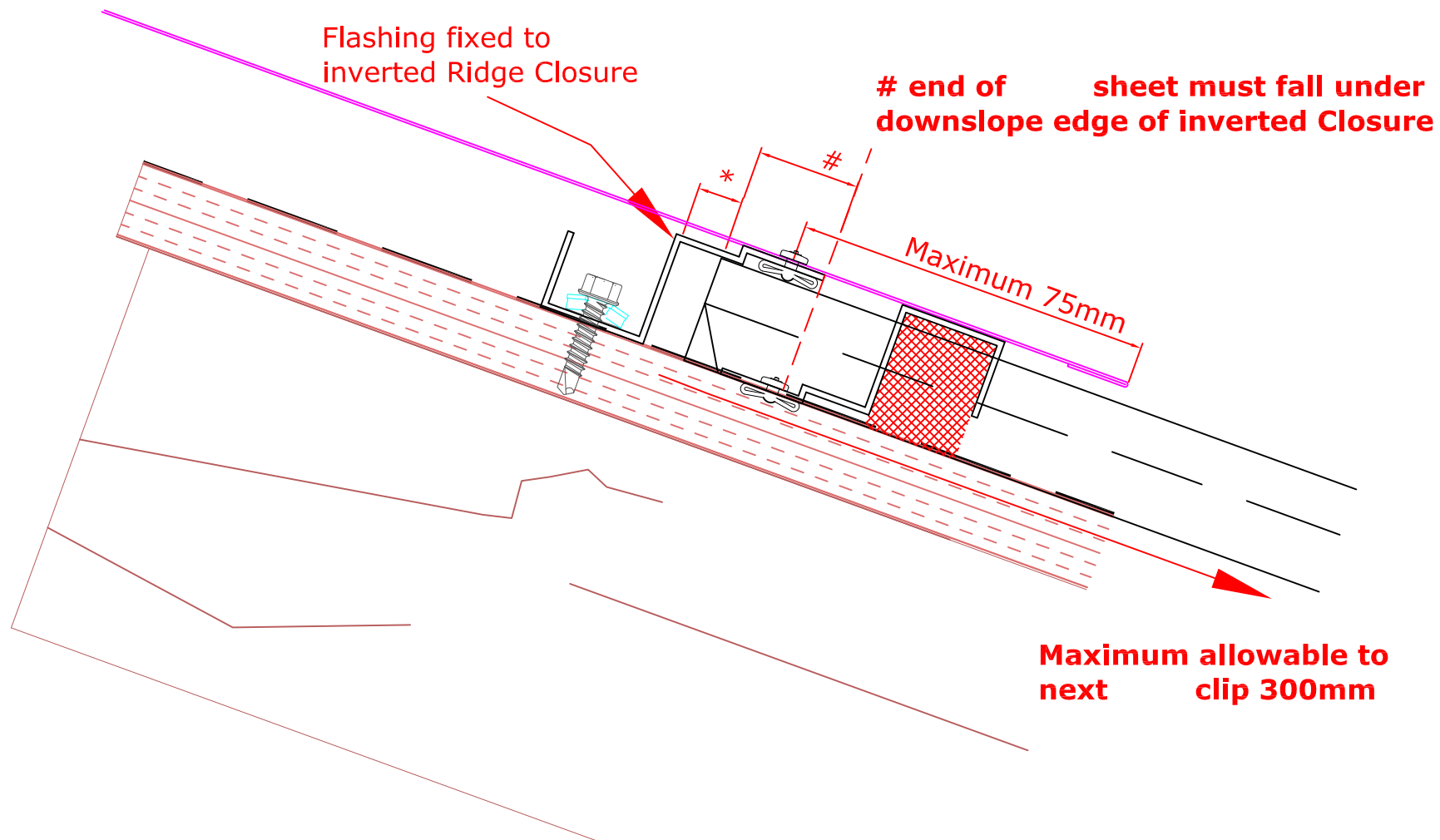
Max 660mm







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



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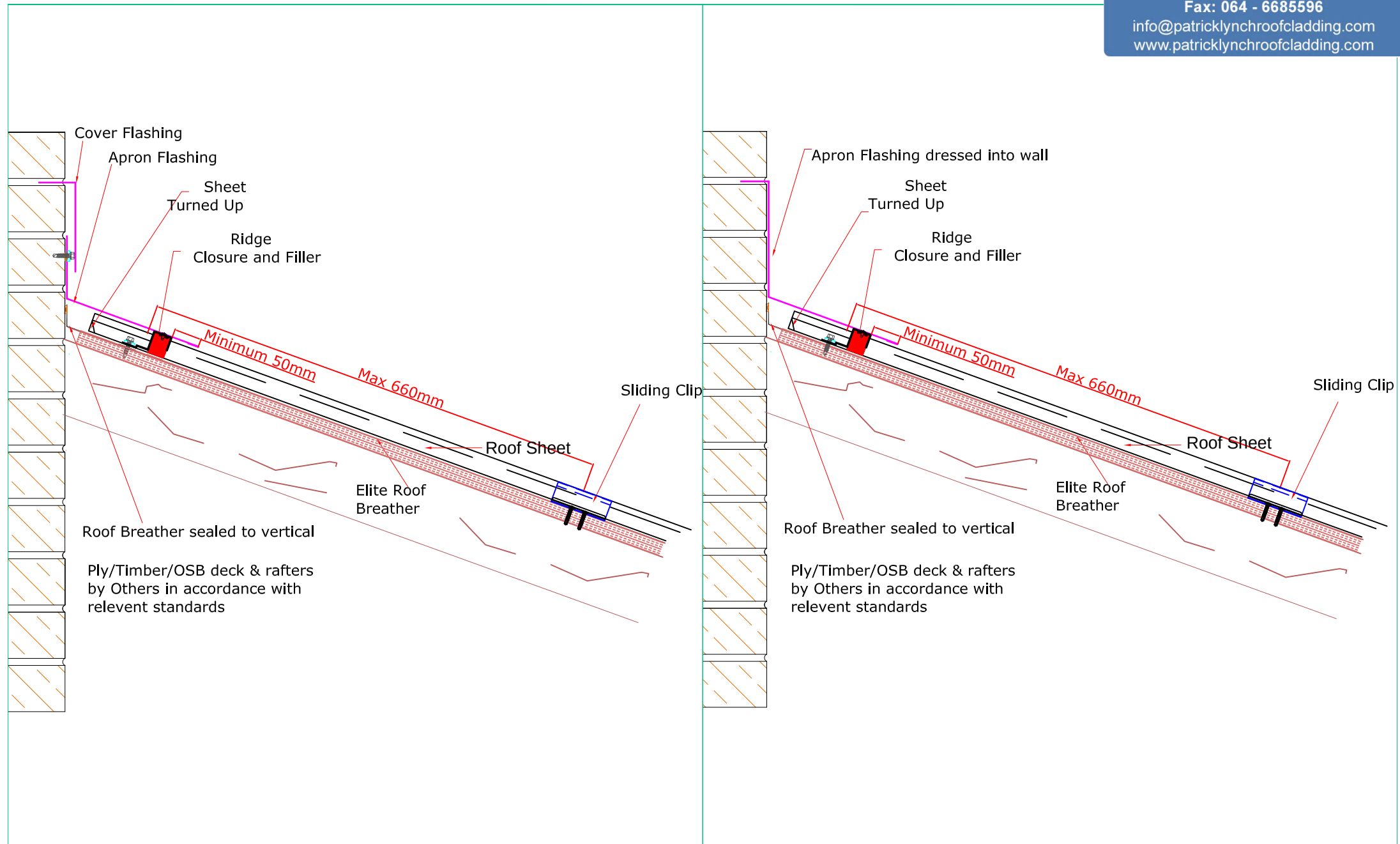
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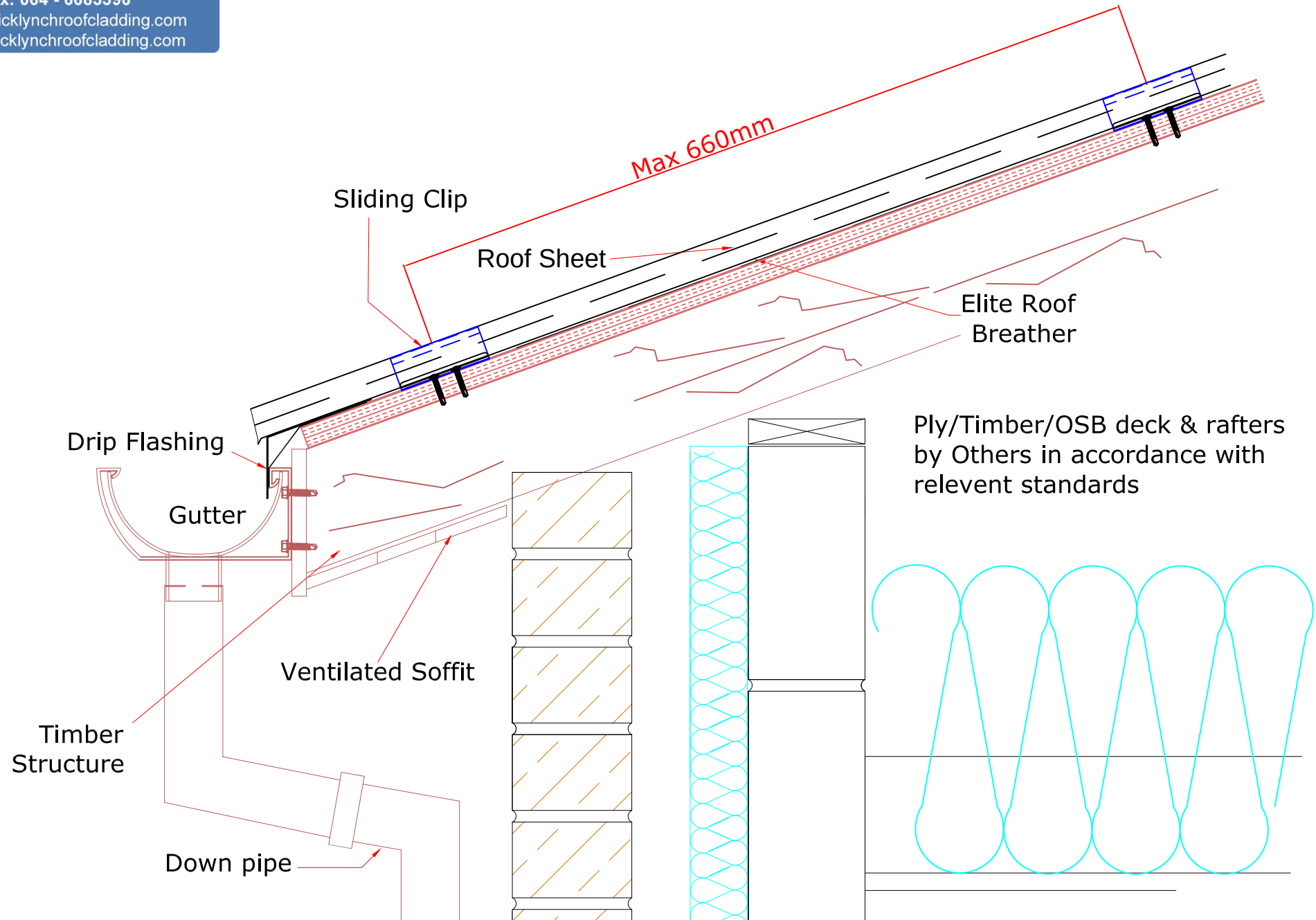
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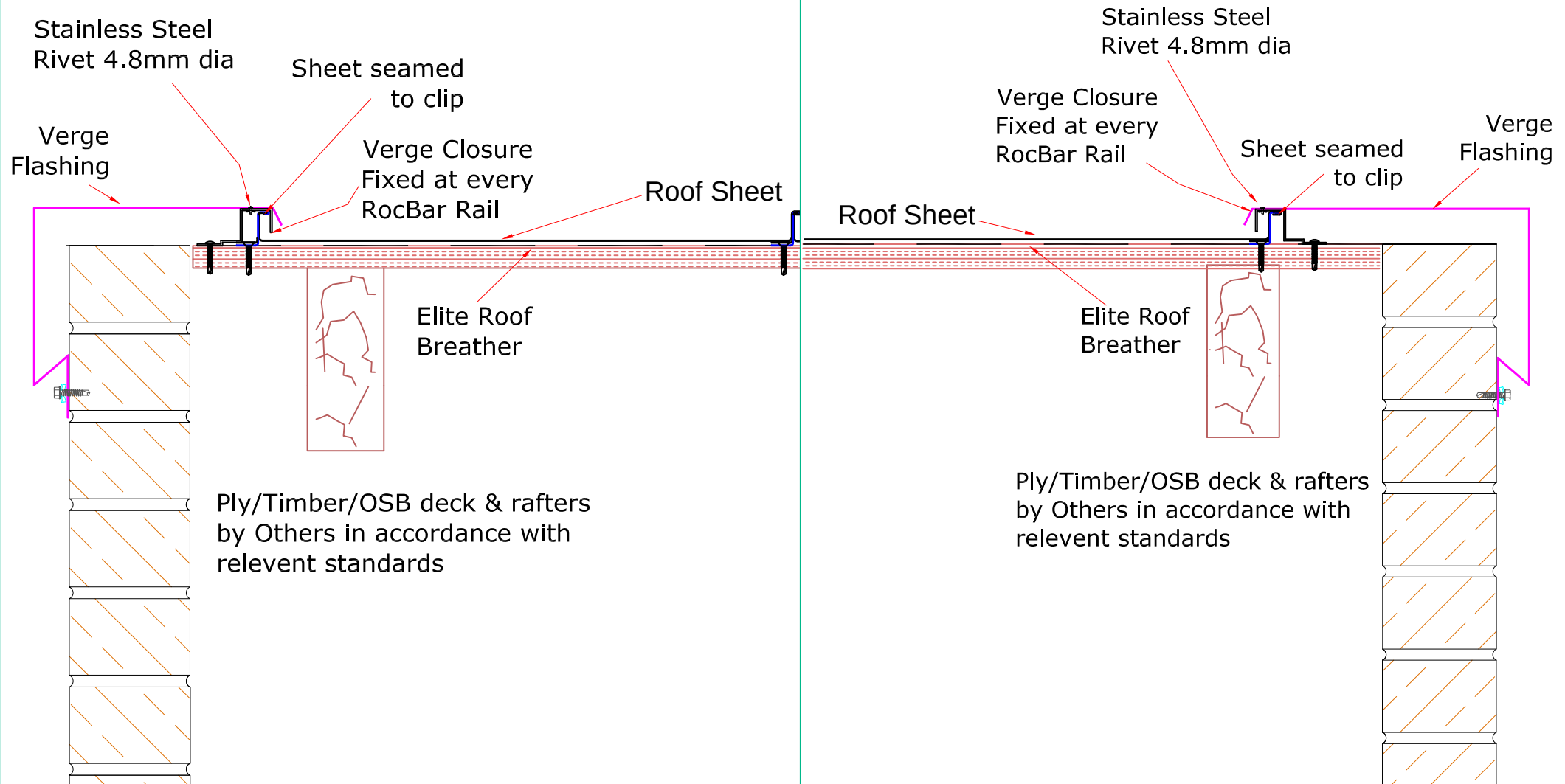
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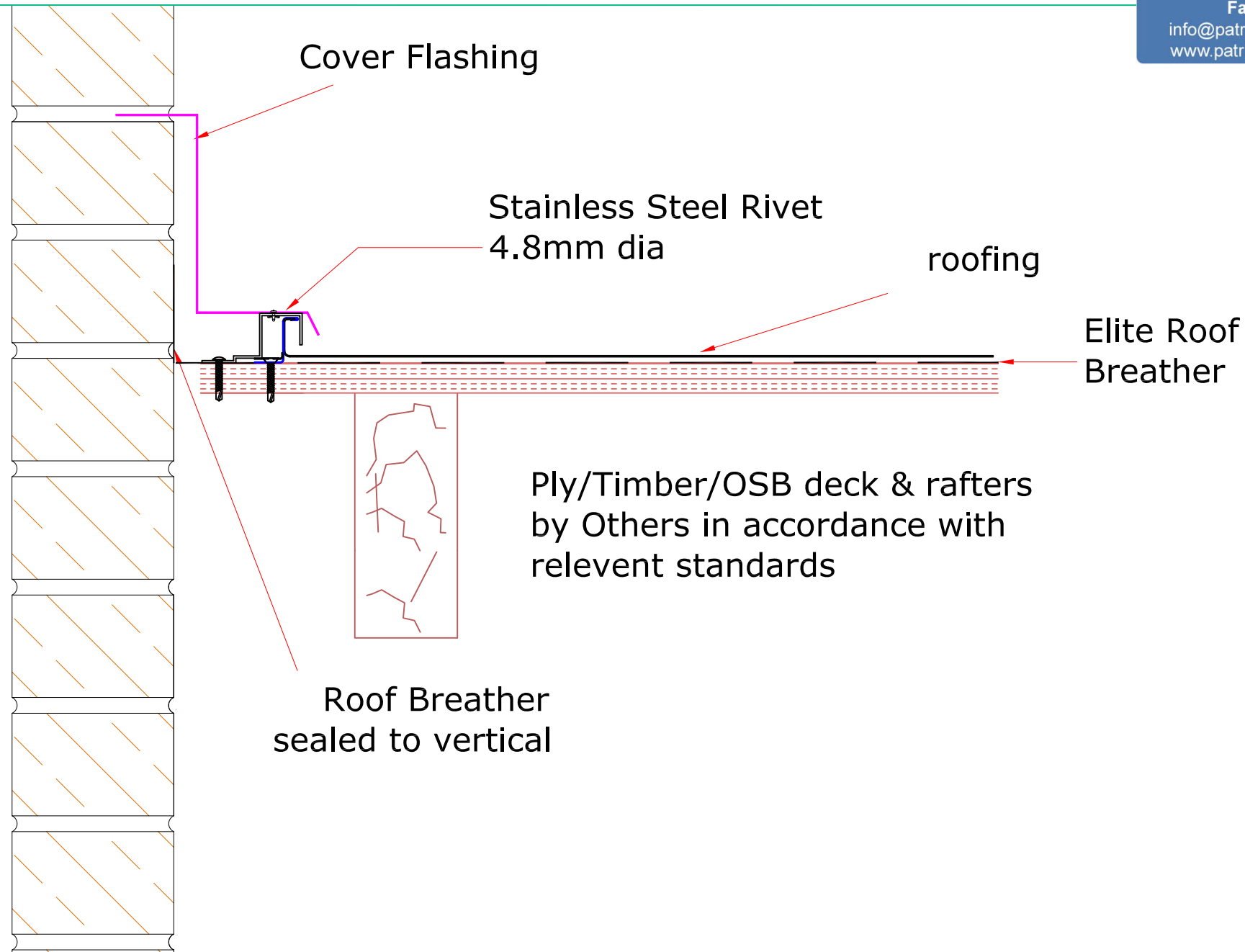
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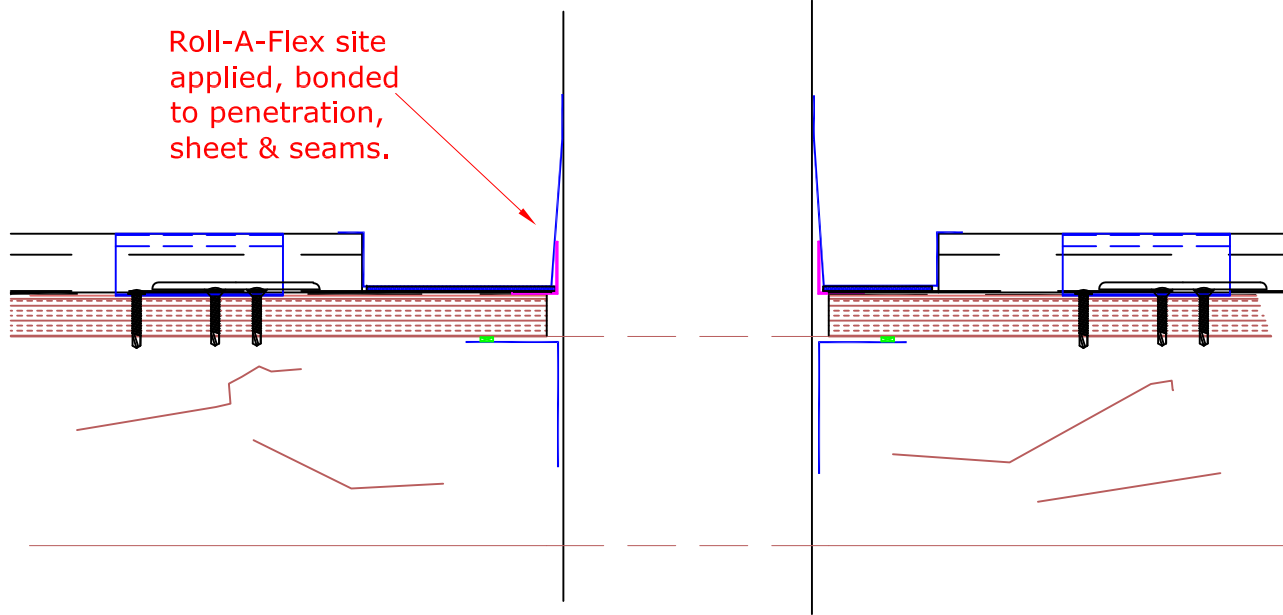
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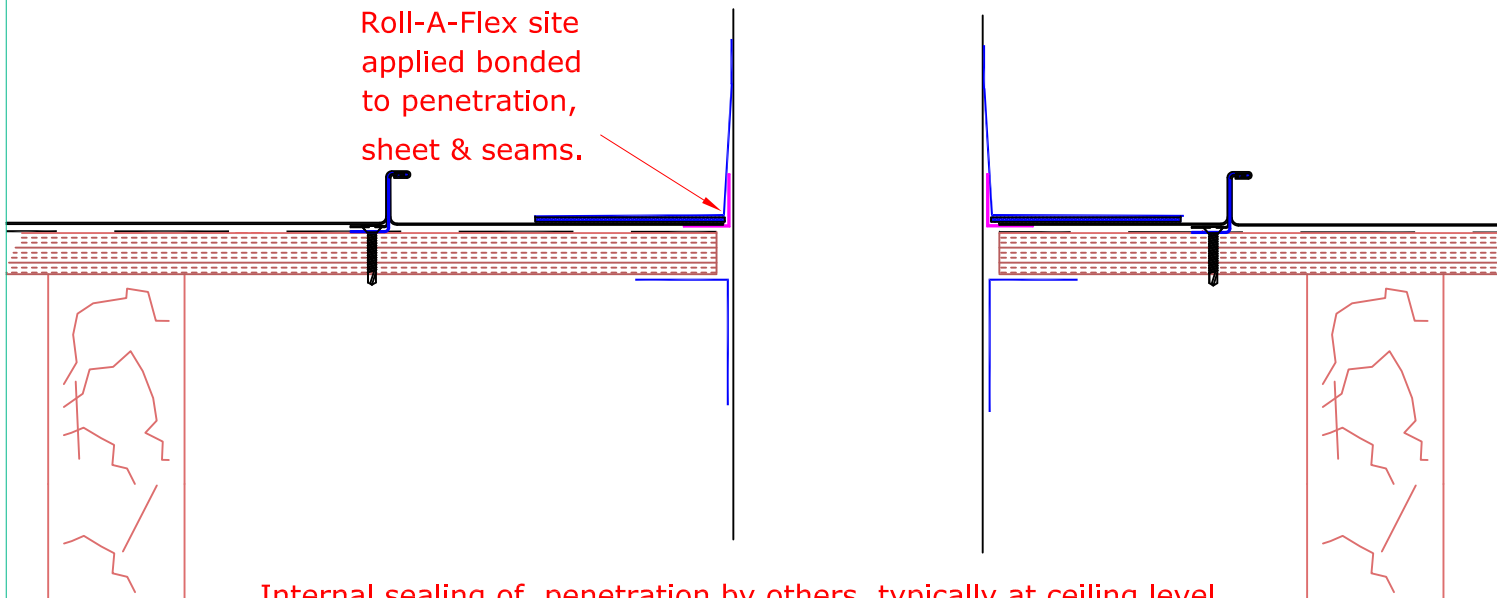


Roll-A-Flex site  
applied, bonded  
to penetration,  
sheet & seams.

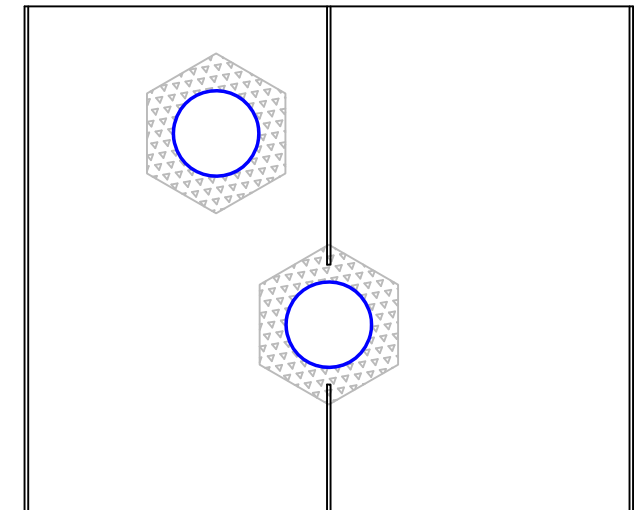


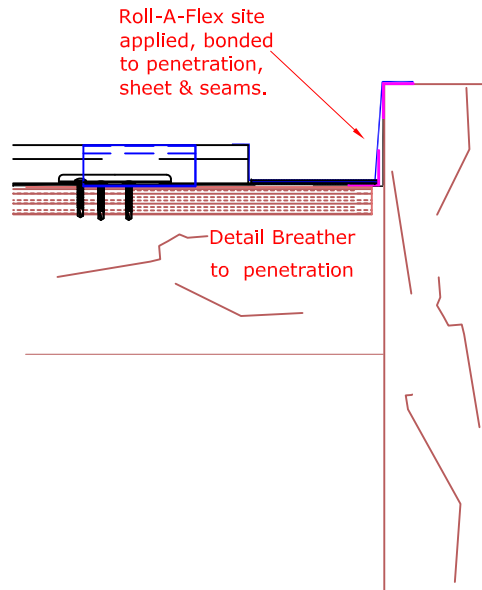
Create fixed points at clips  
immediately above & below  
detail across whole of affected  
elevation. Ensure Clips are at  
least 100mm away from detail.  
Allow free movement of sheets  
elsewhere.

Roll-A-Flex site  
applied bonded  
to penetration,  
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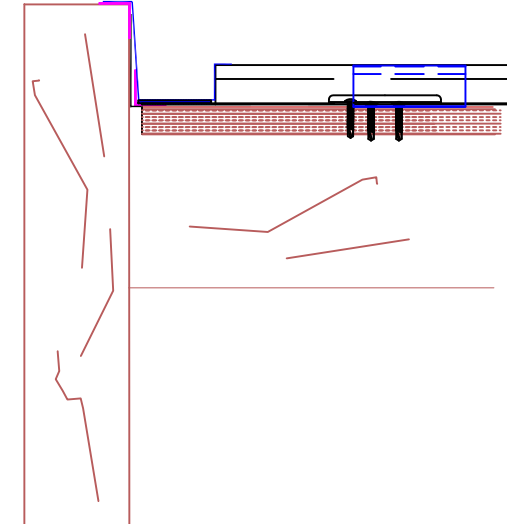


Internal sealing of penetration by others, typically at ceiling level.



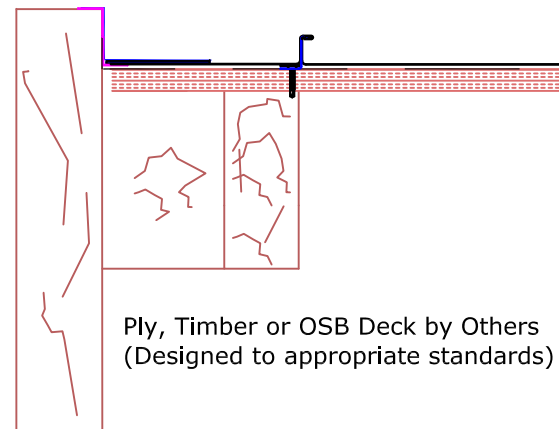
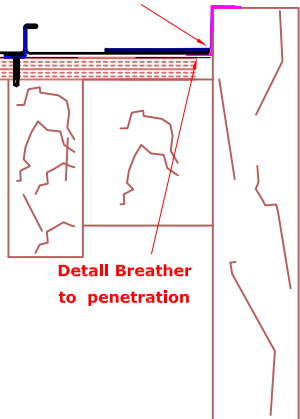


**Create fixed points at clips immediately above & below detail across whole of affected elevation. Ensure Clips are at least 100mm away from detail. Allow free movement of sheets elsewhere.**

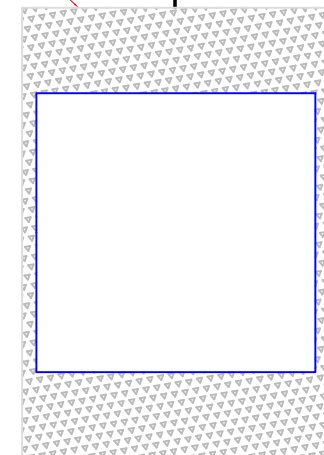


**Structural Kerb By Others. Height, size and angle adjustable. Can be used as a landing for details such as rooflight units & access hatches.**

**Roll-A-Flex site applied bonded to penetration, sheet & seams.**



**Roll-A-Flex site applied, bonded to penetration, sheet & seams. To provide adequate drainage around kerb upstands.**



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### SEAMING OPTIONS AT END LAP

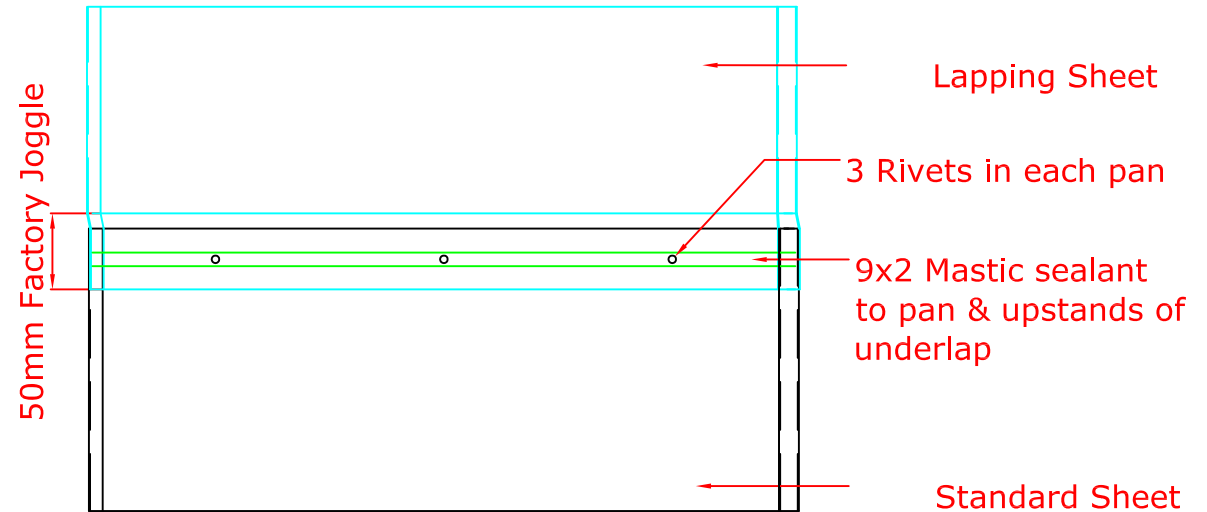
"Stage 1 Seam"(Steel Material Only)



"Stage 2 Seam"(Aluminium Material Only)



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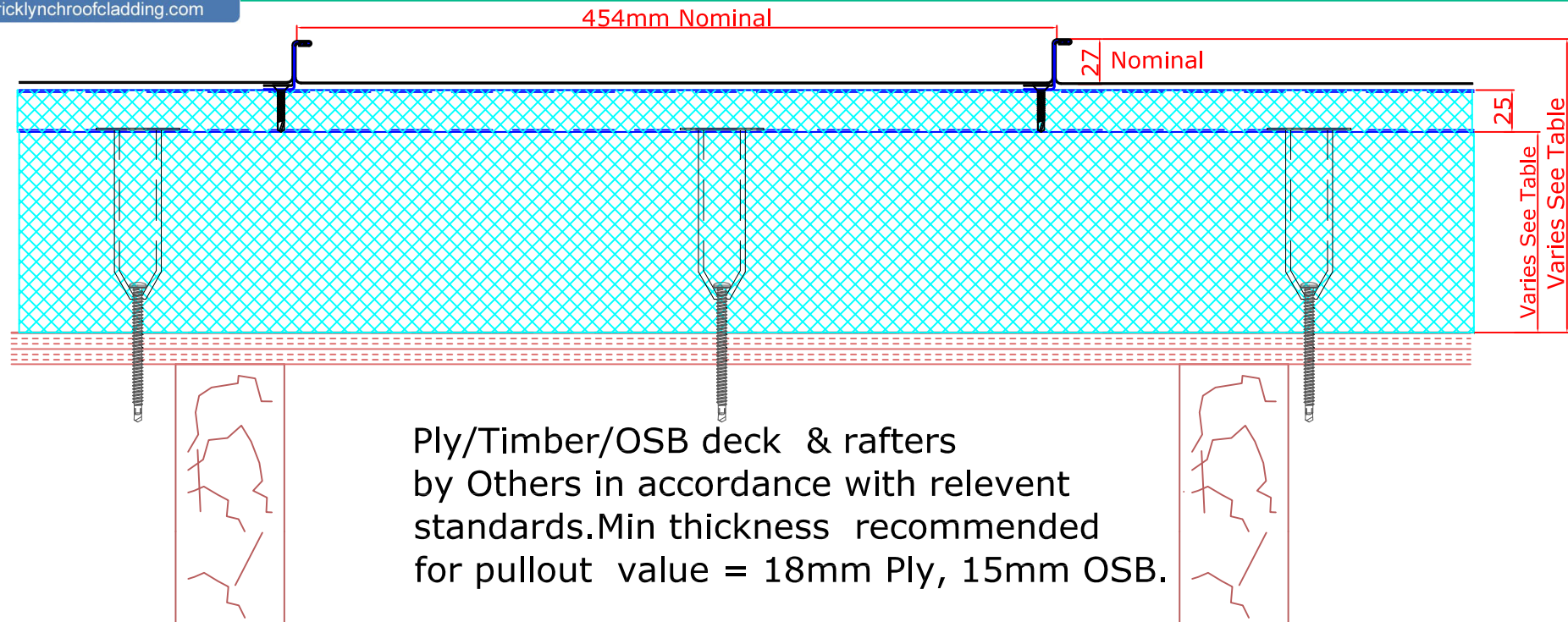
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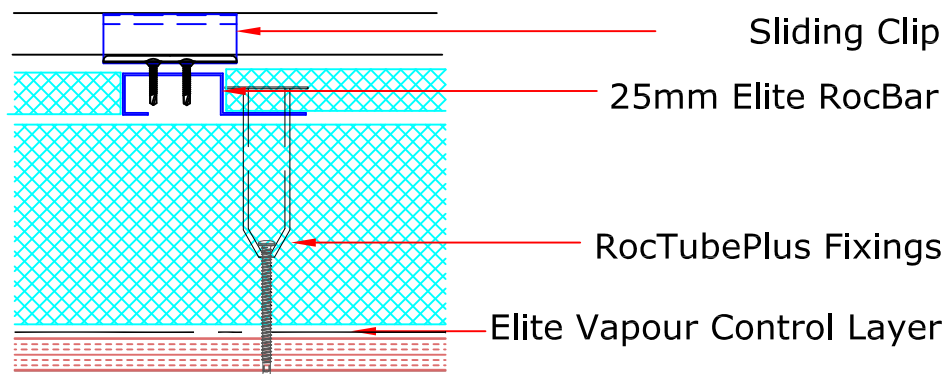
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Ply/Timber/OSB deck & rafters  
by Others in accordance with relevant  
standards. Min thickness recommended  
for pullout value = 18mm Ply, 15mm OSB.

| <b>U Value (RocSlab)</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) | 120mm       | 155mm       | 180mm       | 215mm       |
| <b>Overall System Depth</b><br>(From Top of Deck)      | 174mm       | 209mm       | 234mm       | 269mm       |

| <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>(From Top of Deck)      | 142mm       | 182mm       | 202mm       | 232mm       | 277mm       |

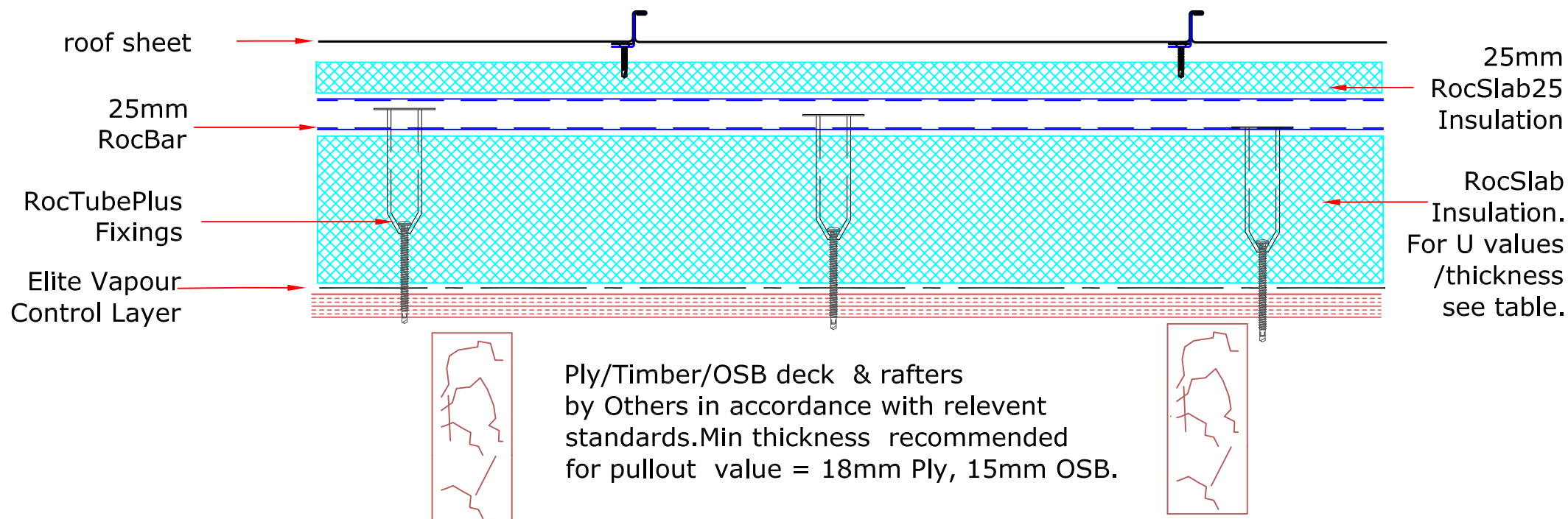


### Sheet Seaming Sequence

"Stage 1 Seam" (Steel Material Only)



"Stage 2 Seam" (Aluminium Material Only)



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REDUCE CLIP CENTRES AT RIDGE EAVES AND PERIMETERS  
AND IN HIGH LOAD AREAS.**

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

**CLIP TYPICAL CENTRES:  
DETERMINED BY PROJECT WIND SUCTION LOADS AS FOLLOWS:  
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**

Ensure Slab insulation is present to  
support sheet ends and Rocbar base.

Standard Slab Size 1200 x 600mm

Standard Slab Size 1200 x 1000mm  
Offset slab edge to RocTubePlus fixing position.

Standard Slab Size 1200 x 600mm

660  
600

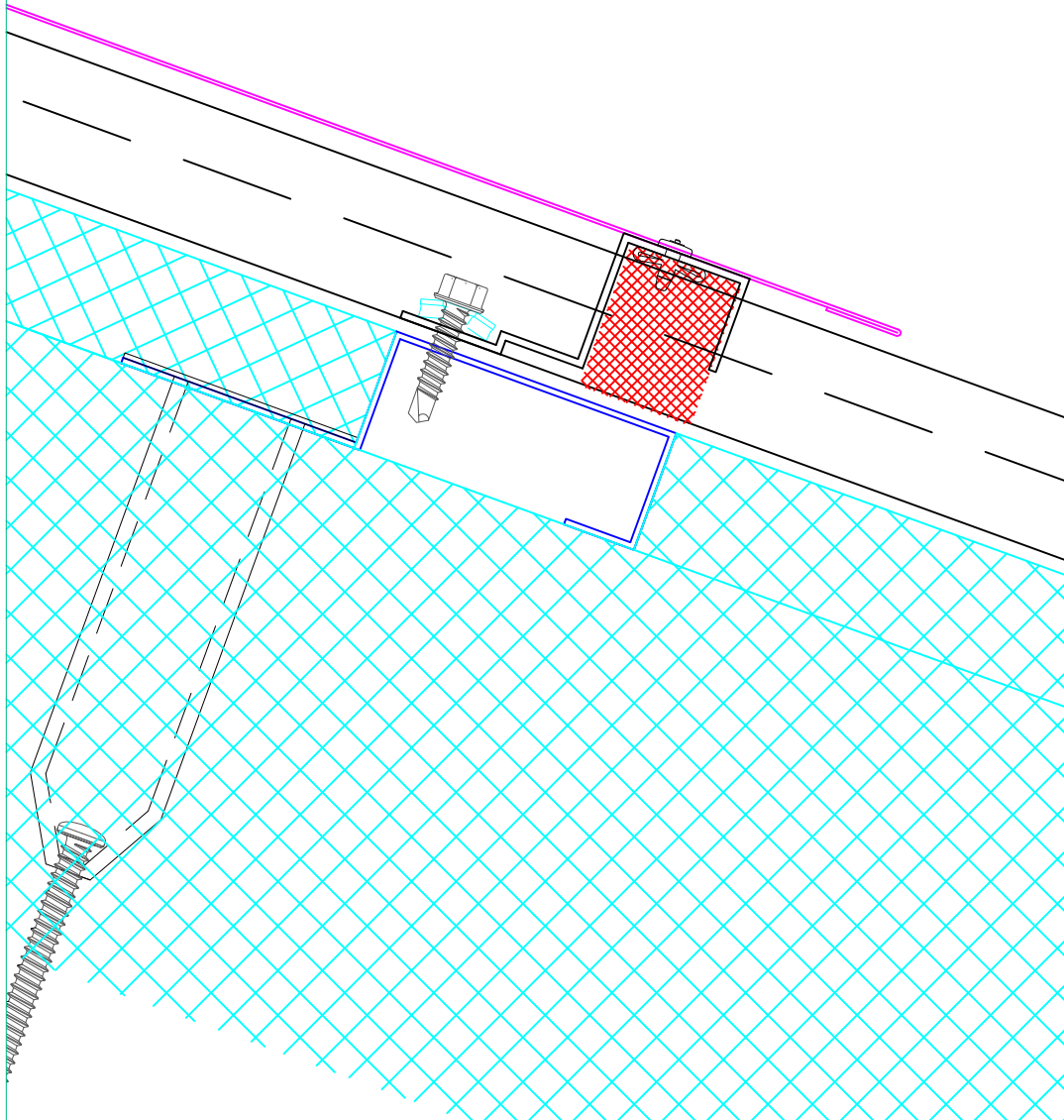
60

1260  
1200

**STANDARD FIXINGS PATTERN: AT MAXIMUM 200mm CENTRES (15 FIXINGS PER 3M ROCBAR)**

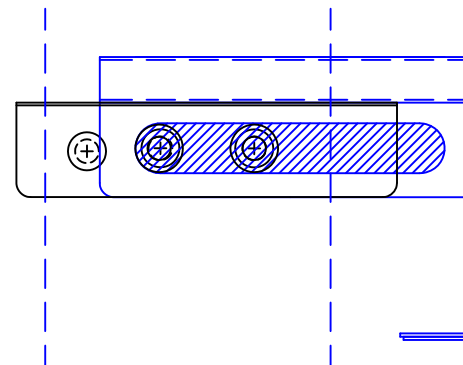
**WHERE OFFCUTS ARE USED:  
A MINIMUM HOLE TO CUT EDGE DISTANCE OF 50MM IS REQUIRED.  
MAXIMUM 200MM FIXING CENTRES MUST BE MAINTAINED & EACH  
OFFCUT MUST HAVE A FIXING IN EACH END HOLE.  
THE MINIMUM OFFCUT ALLOWABLE IS 300mm LONG WITH A FIXING IN EACH END.  
IF A SHORTER LENGTH THEN 300MM IS REQUIRED, ROTATE THE RAIL AND LAP BACK.**

## **Standard Fixed Point.** **Sheet fixed through to RocBar**

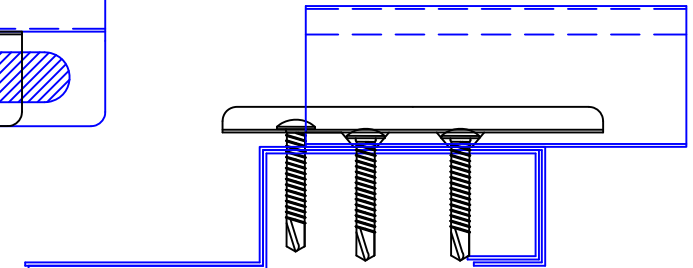


## **Alternative for use elsewhere on slope: Create Fixed Point Using Clip with Additional Fixing**

**Plan View**



**Side View**



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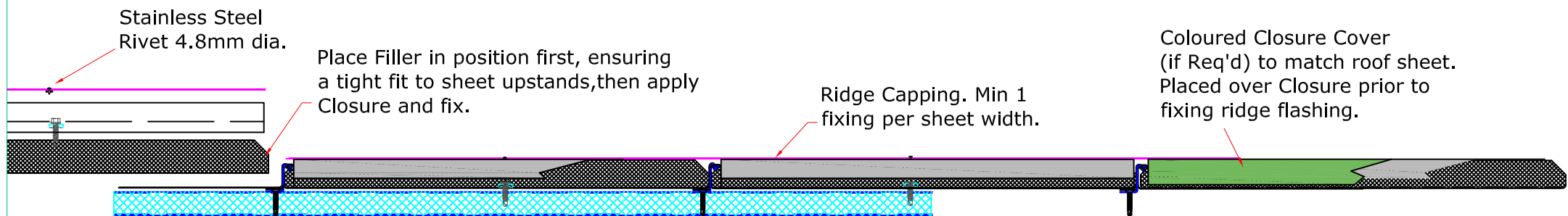
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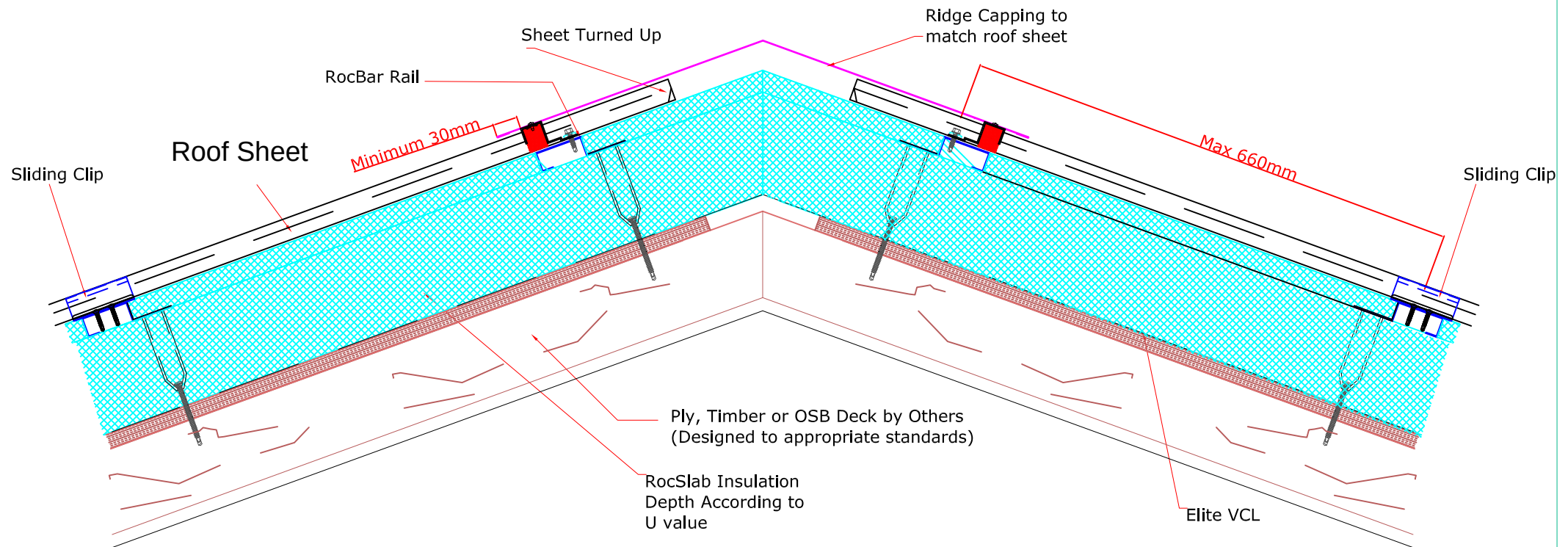
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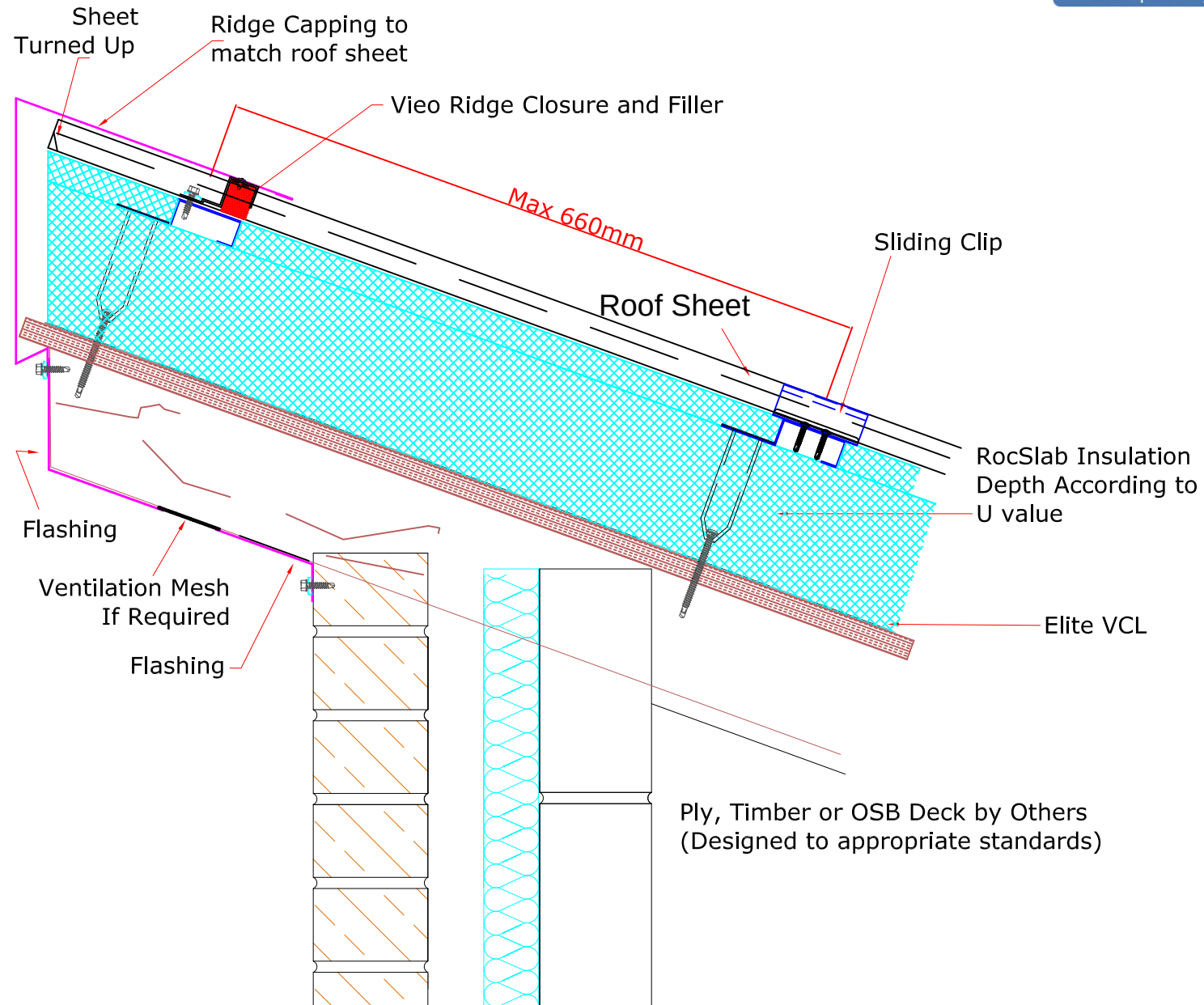
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Sliding Clip

Fixed Point

Max 660mm

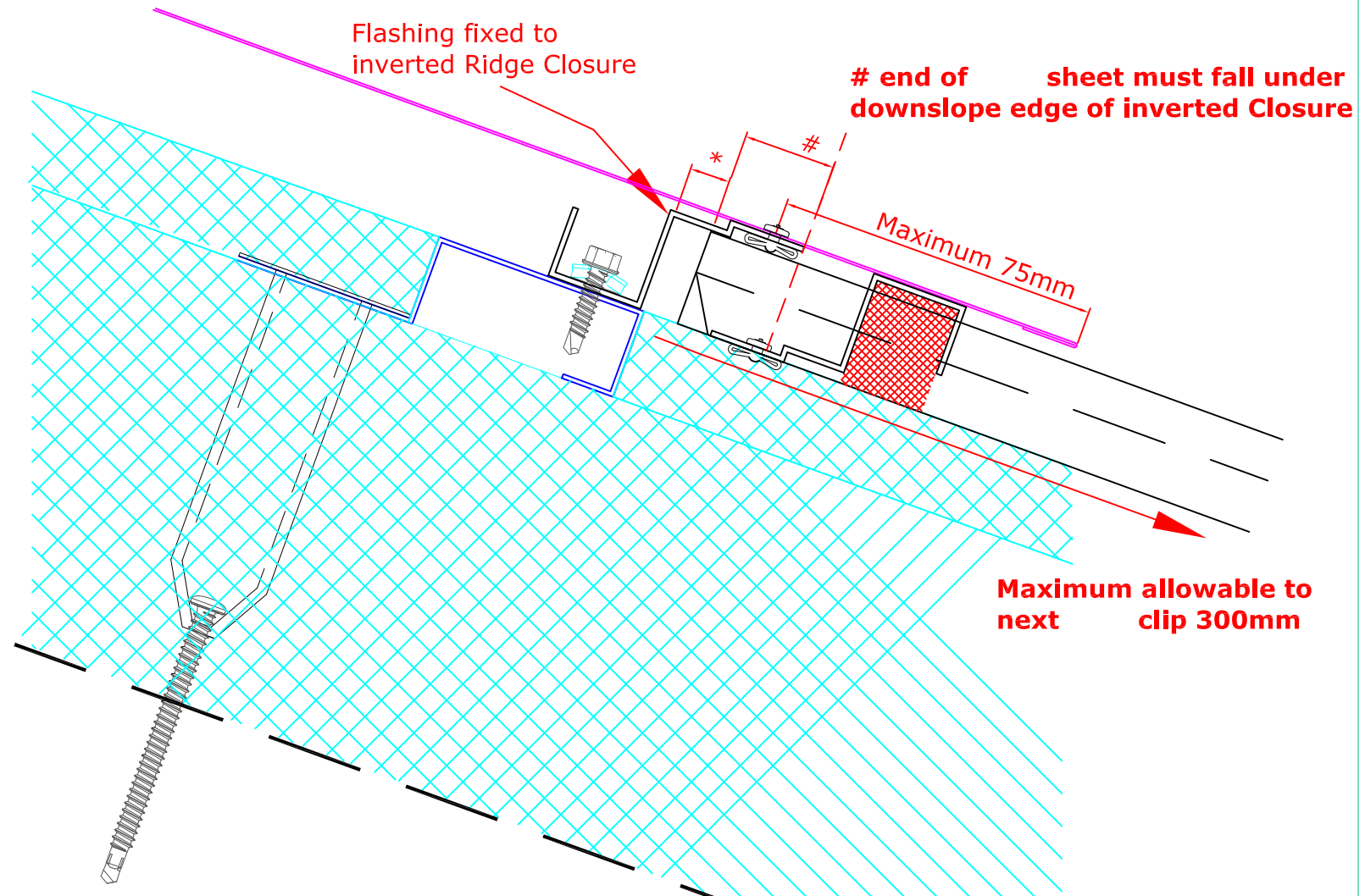
Max 660mm

Below 50M radius RocSlab needs to be partially sawn through from bottom to around 50mm from top of slab to allow it to follow curves. (Below 50M radius when using 600mm wide slab). When cutting vee grooves in small radii ensure that these are cut to minimum width to ensure continuity of insulation.



**Ridge Expansion Detail**  
**(for use when fixed point**  
**is not created at ridge).**

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



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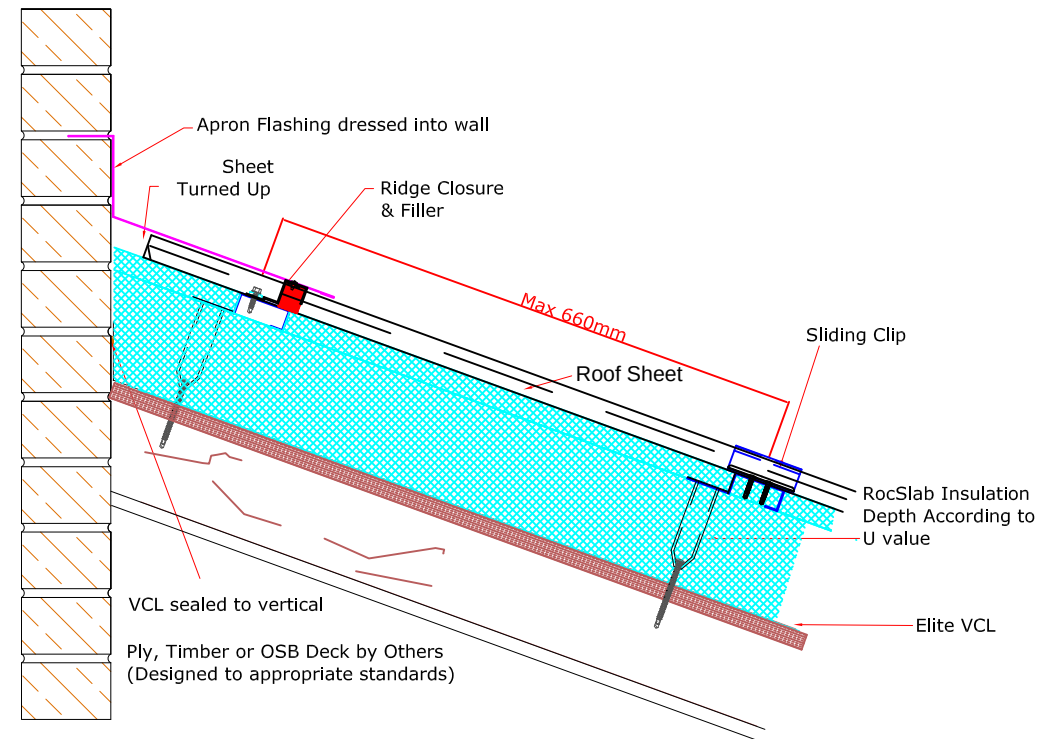
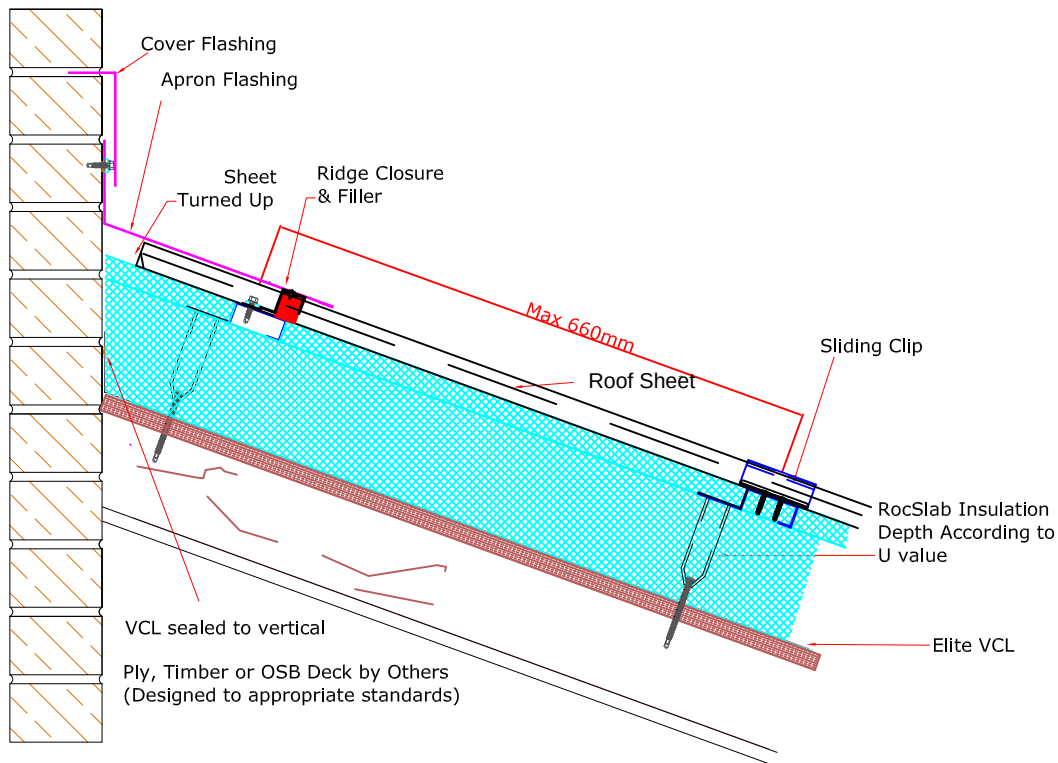
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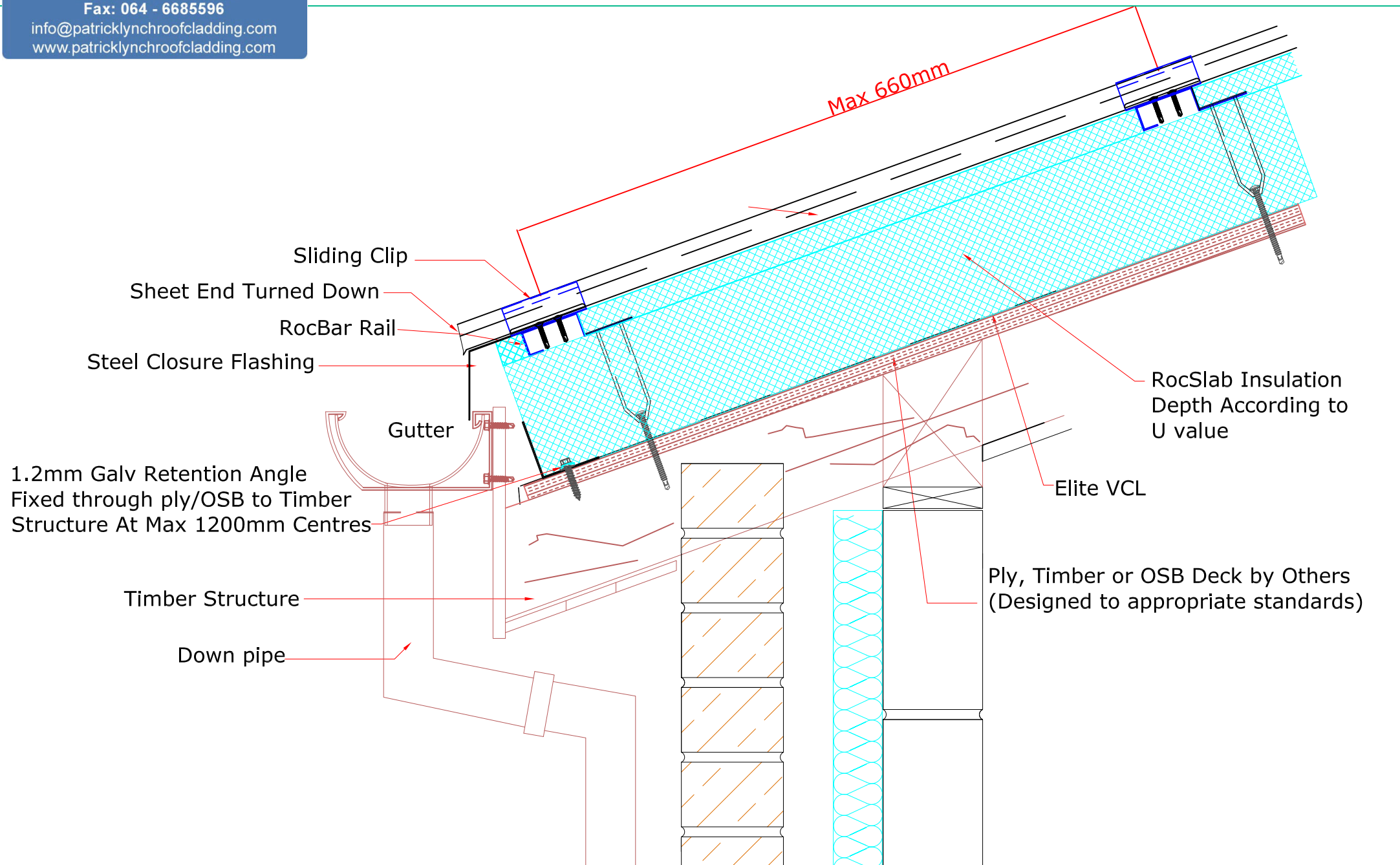
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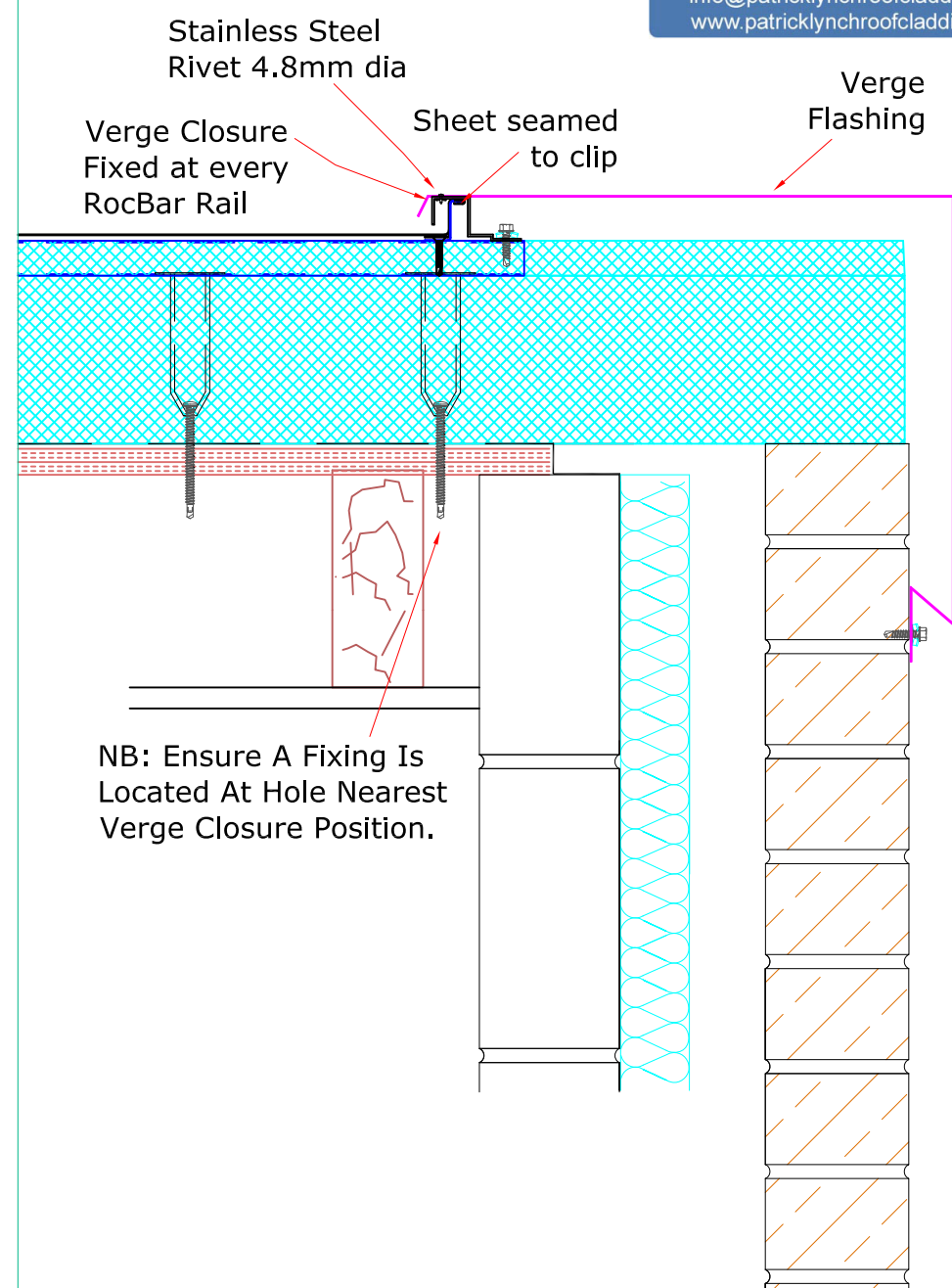
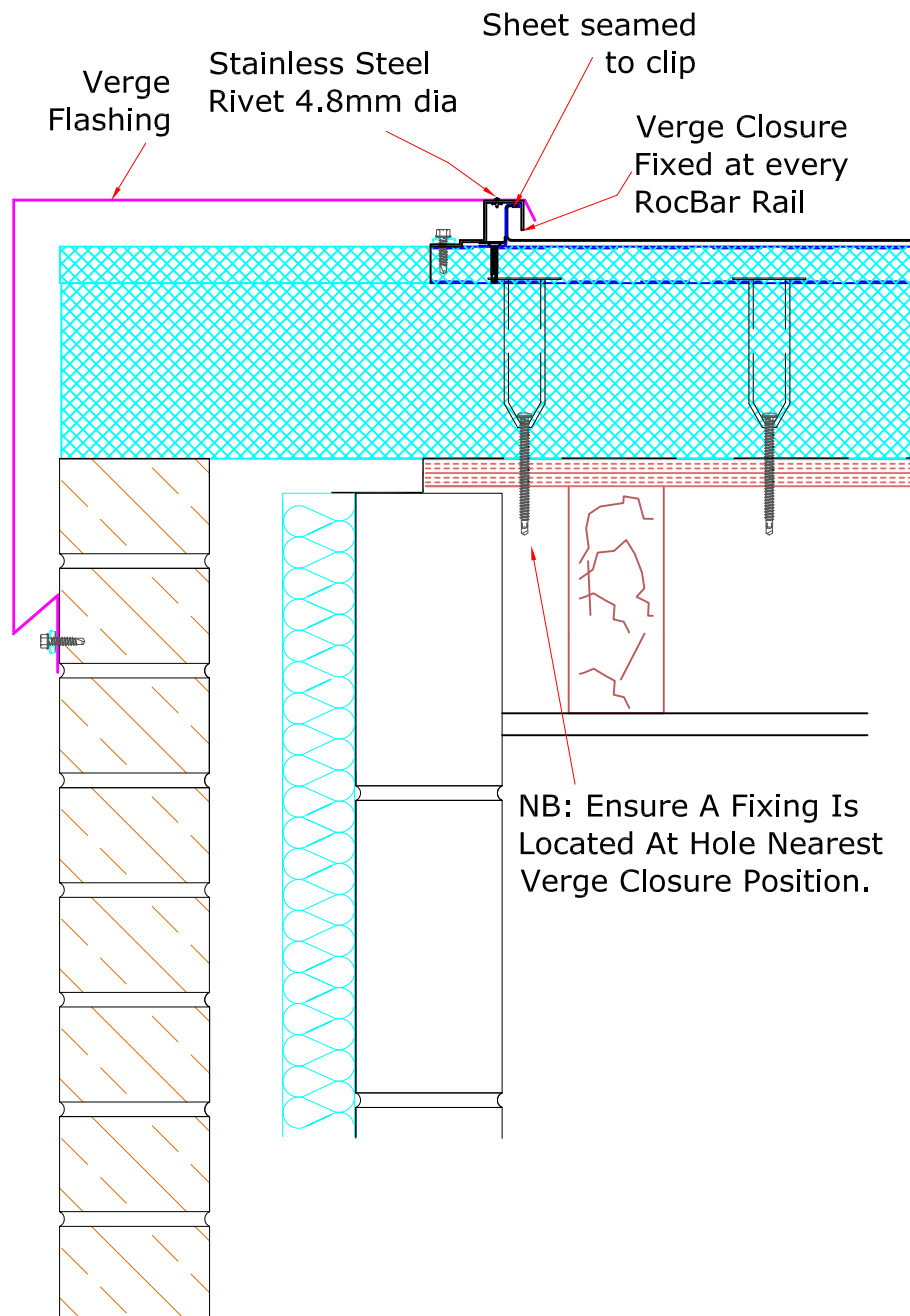
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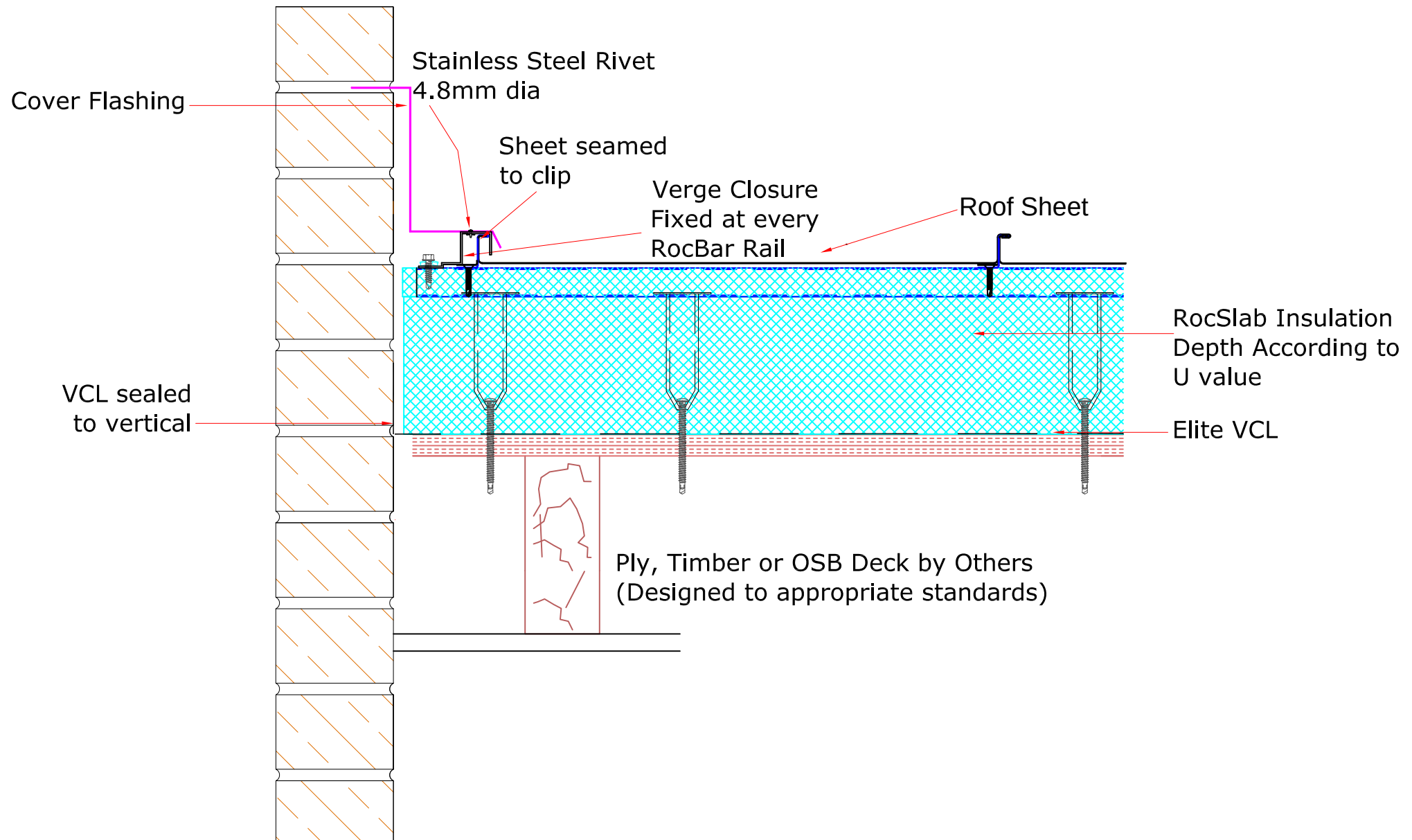
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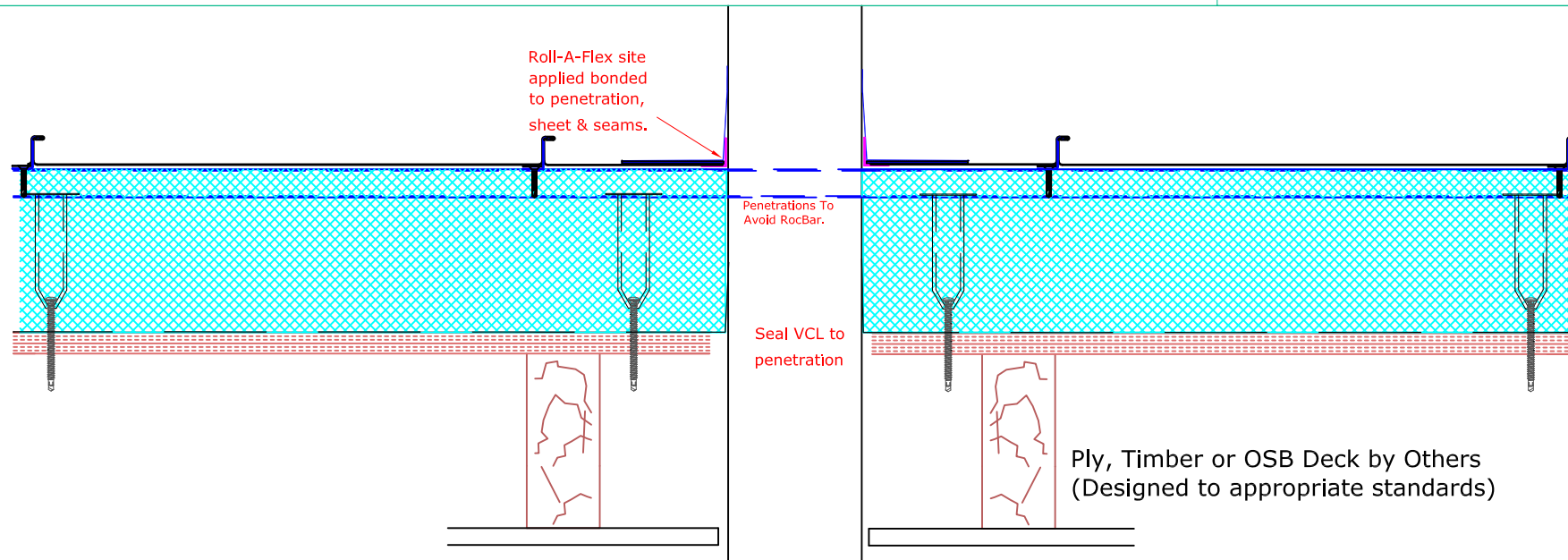
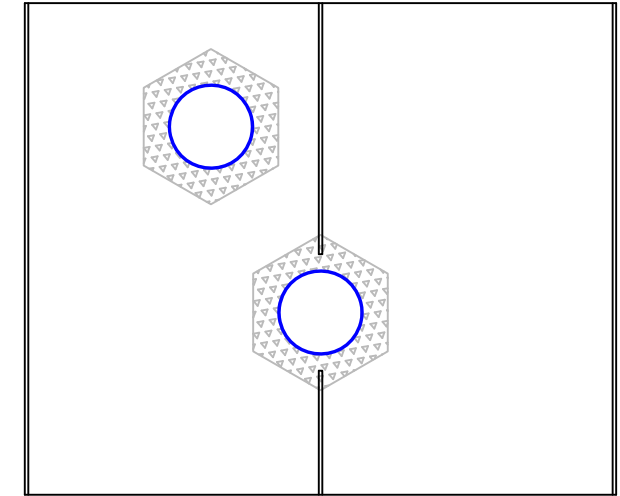
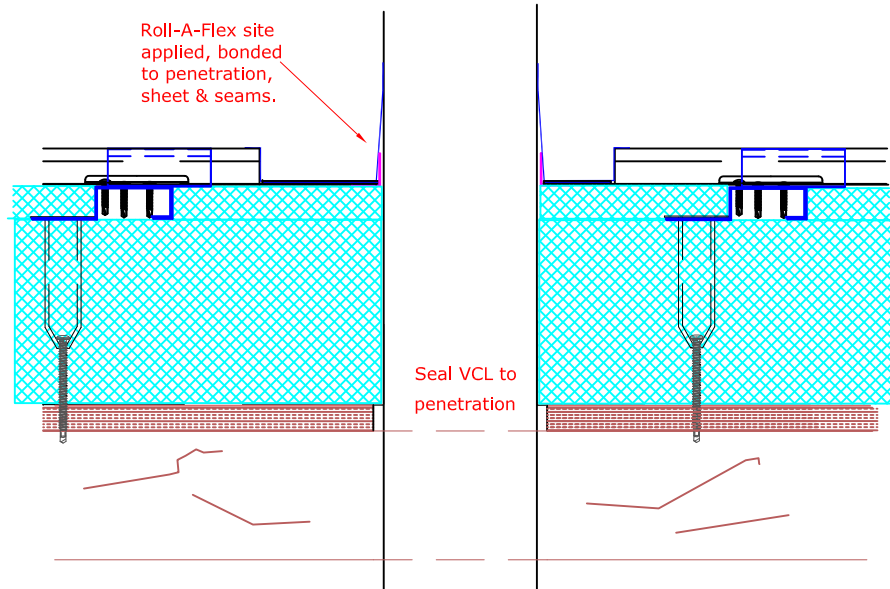
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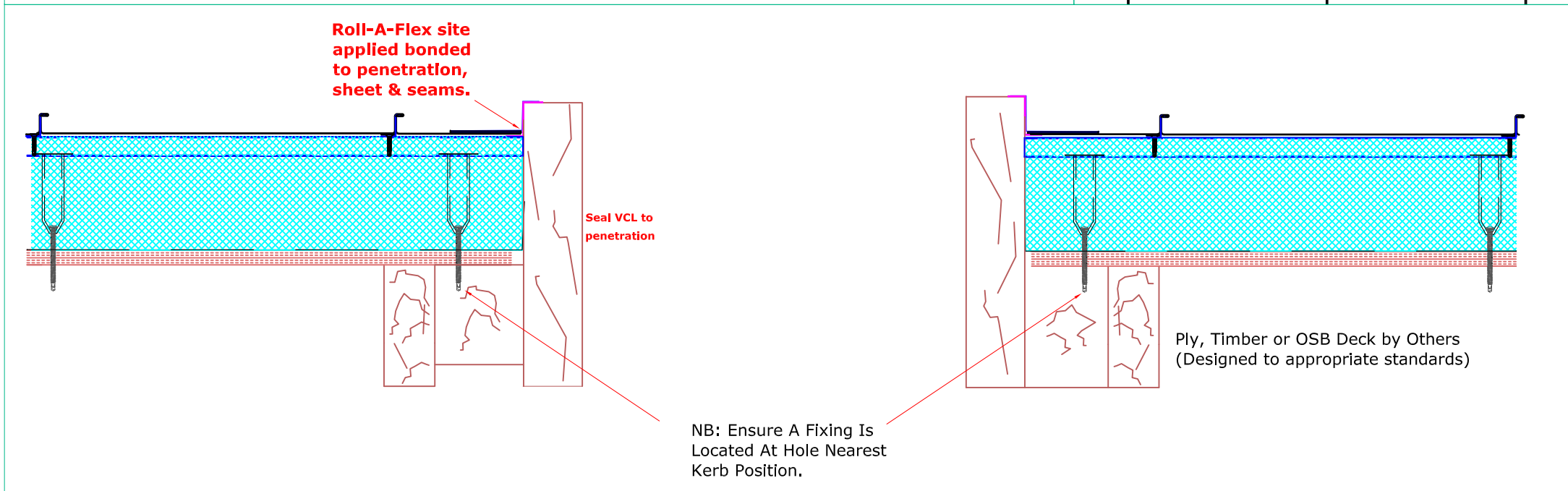
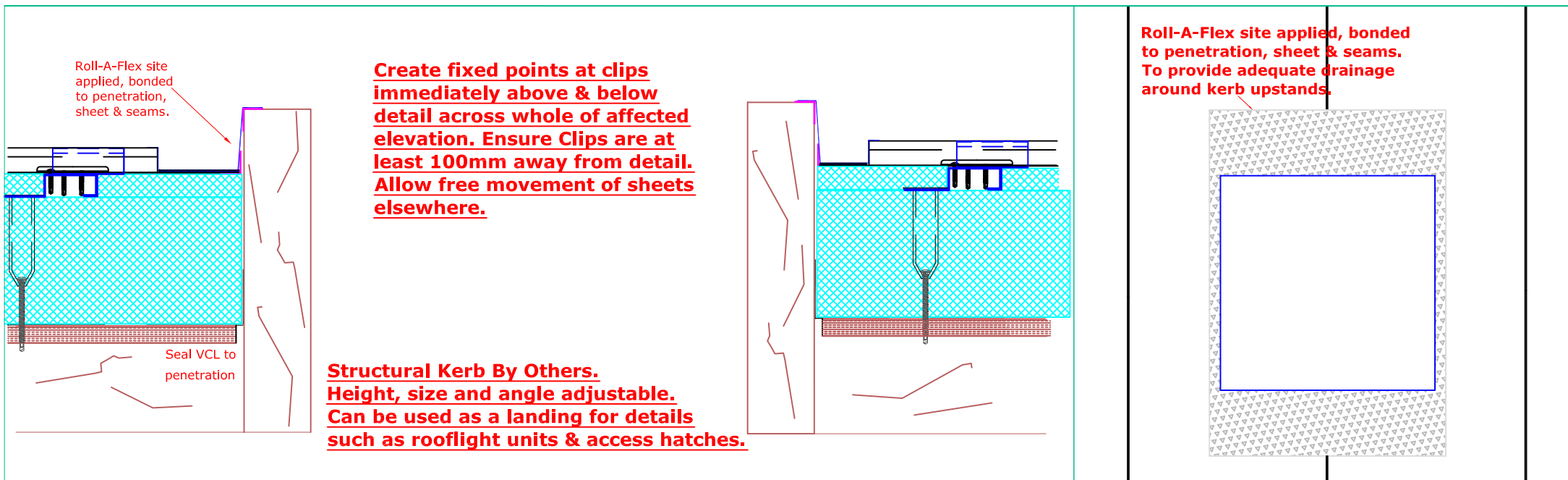




Create fixed points at clips immediately above & below detail across whole of affected elevation. Ensure Clips are at least 100mm away from detail. Allow free movement of sheets elsewhere.







## ONLY SUITABLE FOR PITCHES >5°

### SEAMING OPTIONS AT END LAP

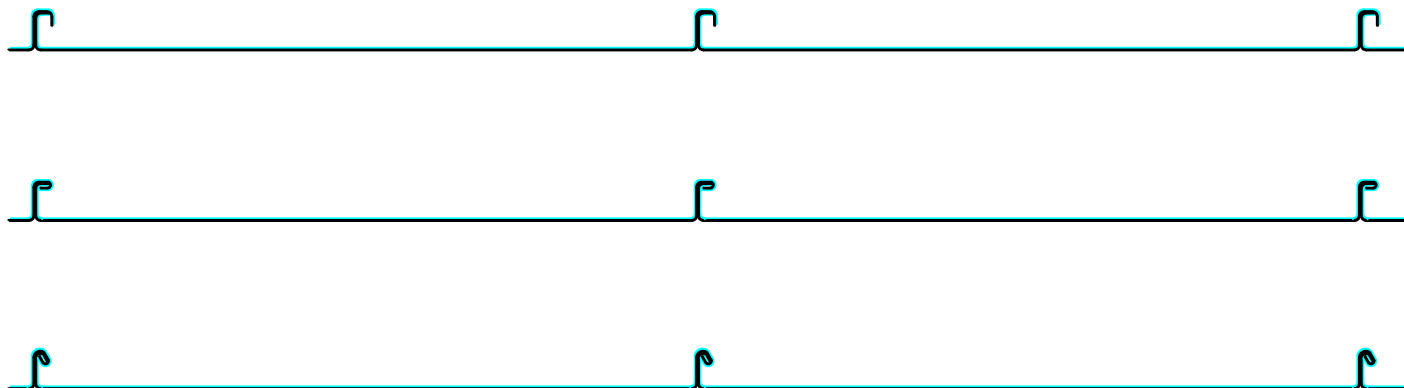
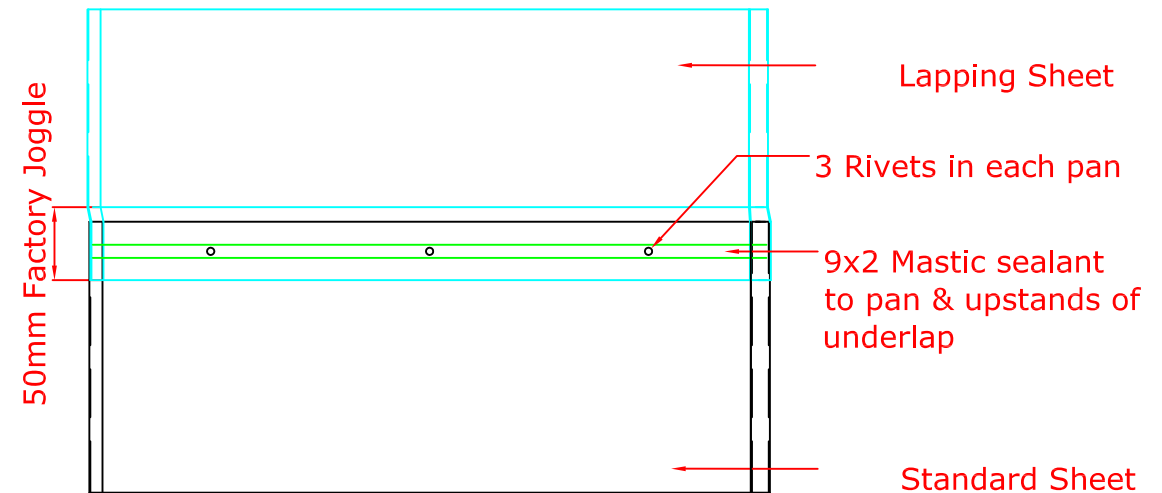
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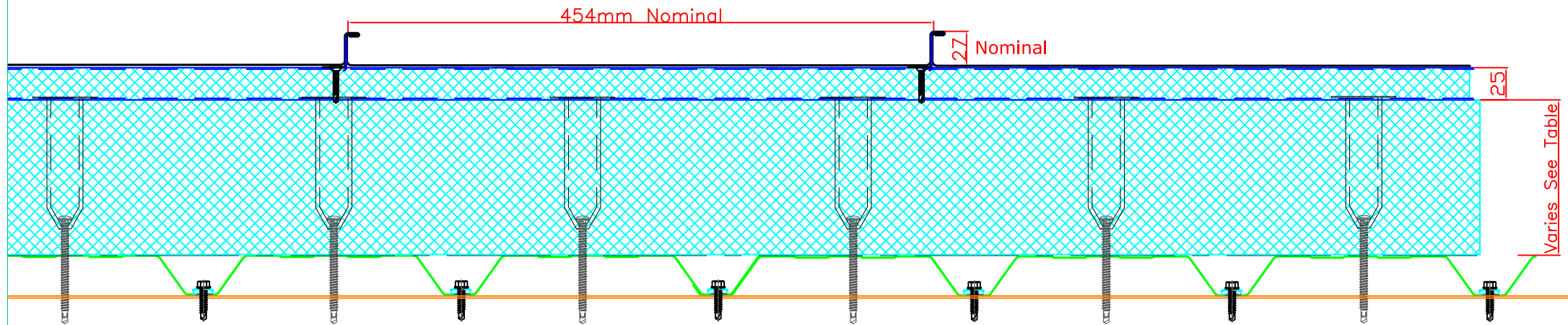
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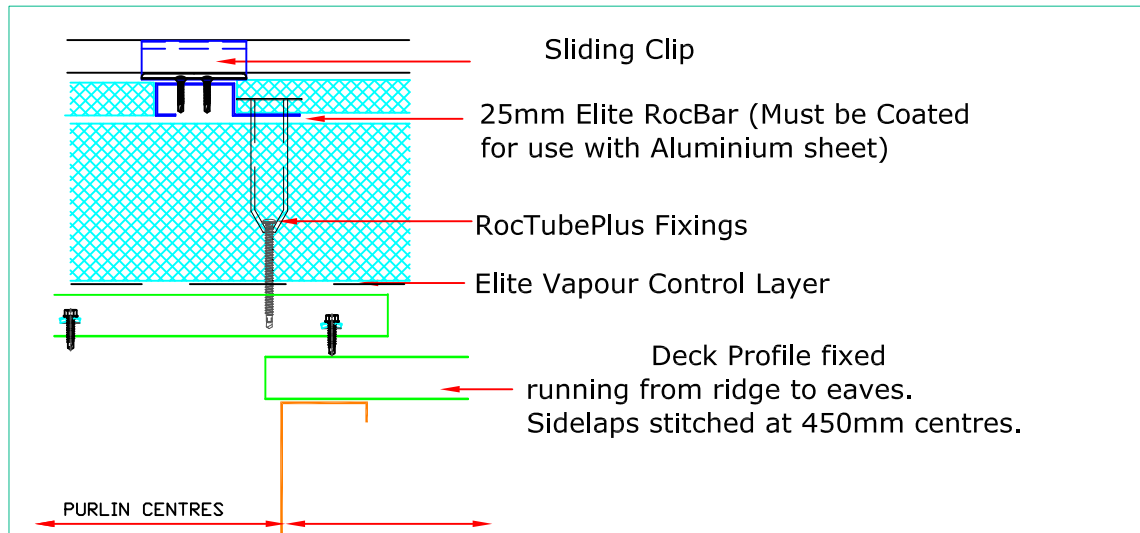






| <b>U Value</b>                                         | <b>0.25</b> | <b>0.20</b> | <b>0.18</b> | <b>0.15</b> |
|--------------------------------------------------------|-------------|-------------|-------------|-------------|
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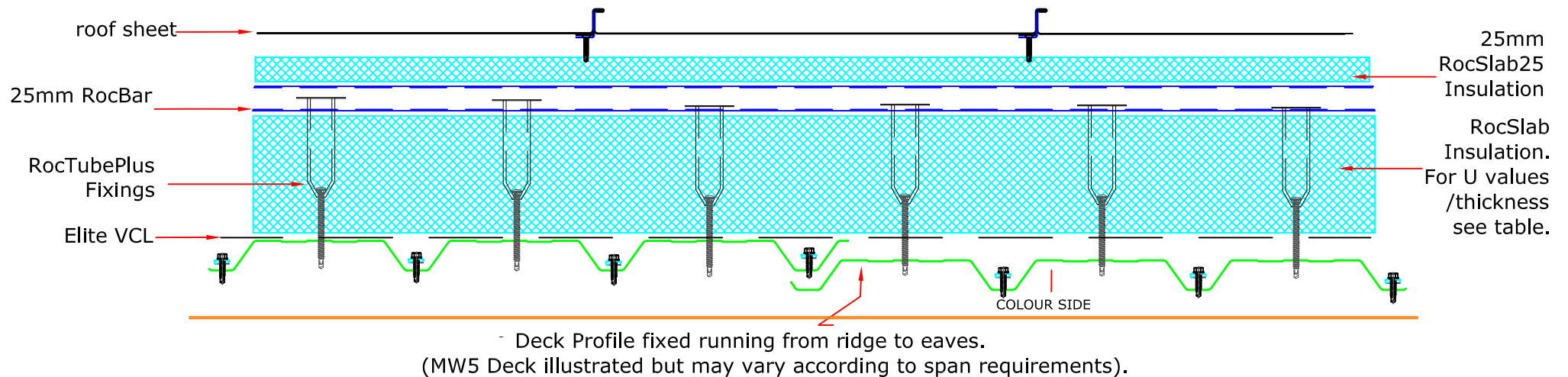


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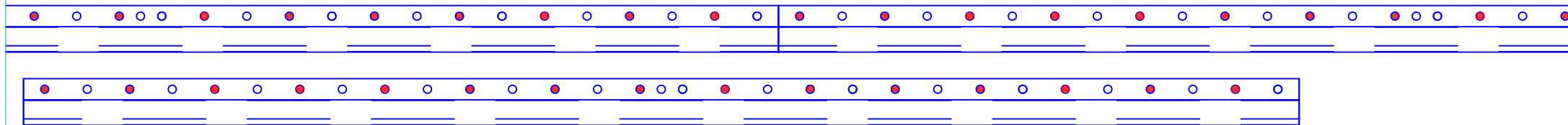
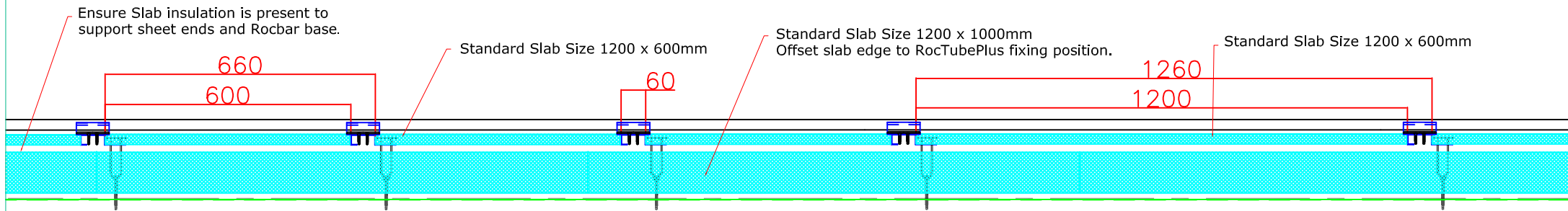
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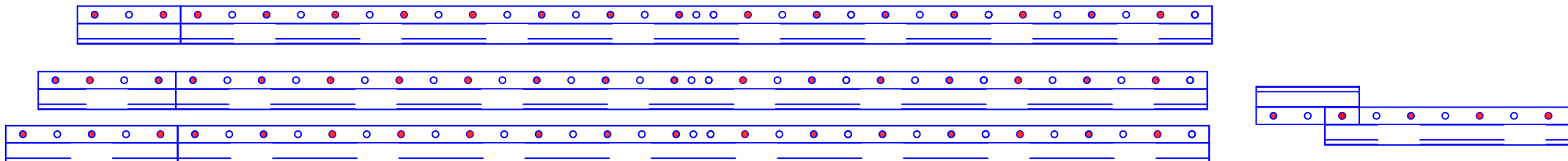
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1260mm for loads up to 1.5kN/M<sup>2</sup>  
660mm for loads 1.5 to 2.0kN/M<sup>2</sup>  
300mm for loads 2 to 4kN/M<sup>2</sup>  
Where substrate is Min 18mm ply or Min 15mm OSB 3**



**STANDARD FIXINGS PATTERN: FIX TO EVERY DECK CROWN (15 FIXINGS PER 3M ROCBAR).**

**WHERE OFFCUTS ARE USED:  
A MINIMUM HOLE TO CUT EDGE DISTANCE OF 50MM IS REQUIRED.  
MAXIMUM 200MM FIXING CENTRES MUST BE MAINTAINED & EACH  
OFFCUT MUST HAVE A FIXING IN EACH END HOLE.  
THE MINIMUM OFFCUT ALLOWABLE IS 300mm LONG WITH A FIXING IN EACH END.  
IF A SHORTER LENGTH THEN 300MM IS REQUIRED, ROTATE THE RAIL AND LAP BACK.**



**Standard Fixed Point.**  
**Sheet fixed through to RocBar**

This technical diagram illustrates a 'Standard Fixed Point' connection. It shows a sheet pile, represented by a blue hatched area, being fixed through to a RocBar, which is shown as a red hatched rectangular component. The connection is achieved using a bolt and nut assembly, with a blue arrow indicating the direction of the force applied. The sheet pile is shown in a vertical orientation, while the RocBar is horizontal. The diagram also includes a cross-section view of the sheet pile, showing its internal structure and the bolt passing through it. The background is a light blue grid, and the entire assembly is set against a white background.

A technical drawing of a mechanical part, likely a shaft or rod, shown in a cross-sectional view. The part is represented by a rectangle with a hatched (shaded) area indicating the section. The hatching consists of diagonal lines. The part has a central hole. The drawing includes a section line (a dashed line) and a section symbol (a circle with a cross) indicating the section plane. The part is shown in a perspective view, with a dashed line indicating the hidden part of the section line.

Technical drawing of a bolted connection. The main view shows a horizontal plate with three bolts passing through it into a vertical plate below. A detail view on the left shows a cross-section of a bolt with a hatched nut and a blue hatched washer or plate.

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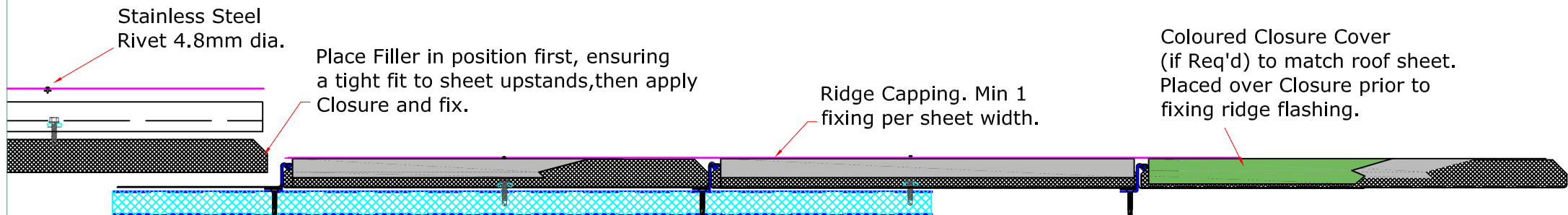
Phone: 087 - 2543499

Phone: 021 - 4551000

Fax: 064 - 6685596

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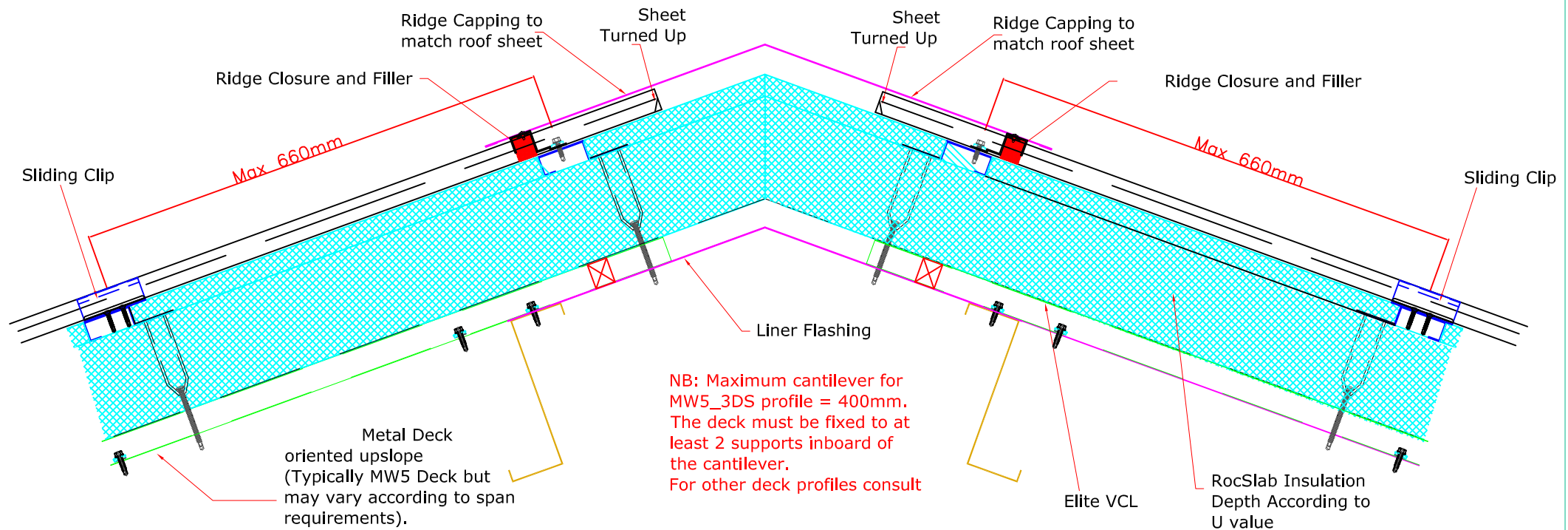
Phone: 087 - 2543499

Phone: 021 - 4551000

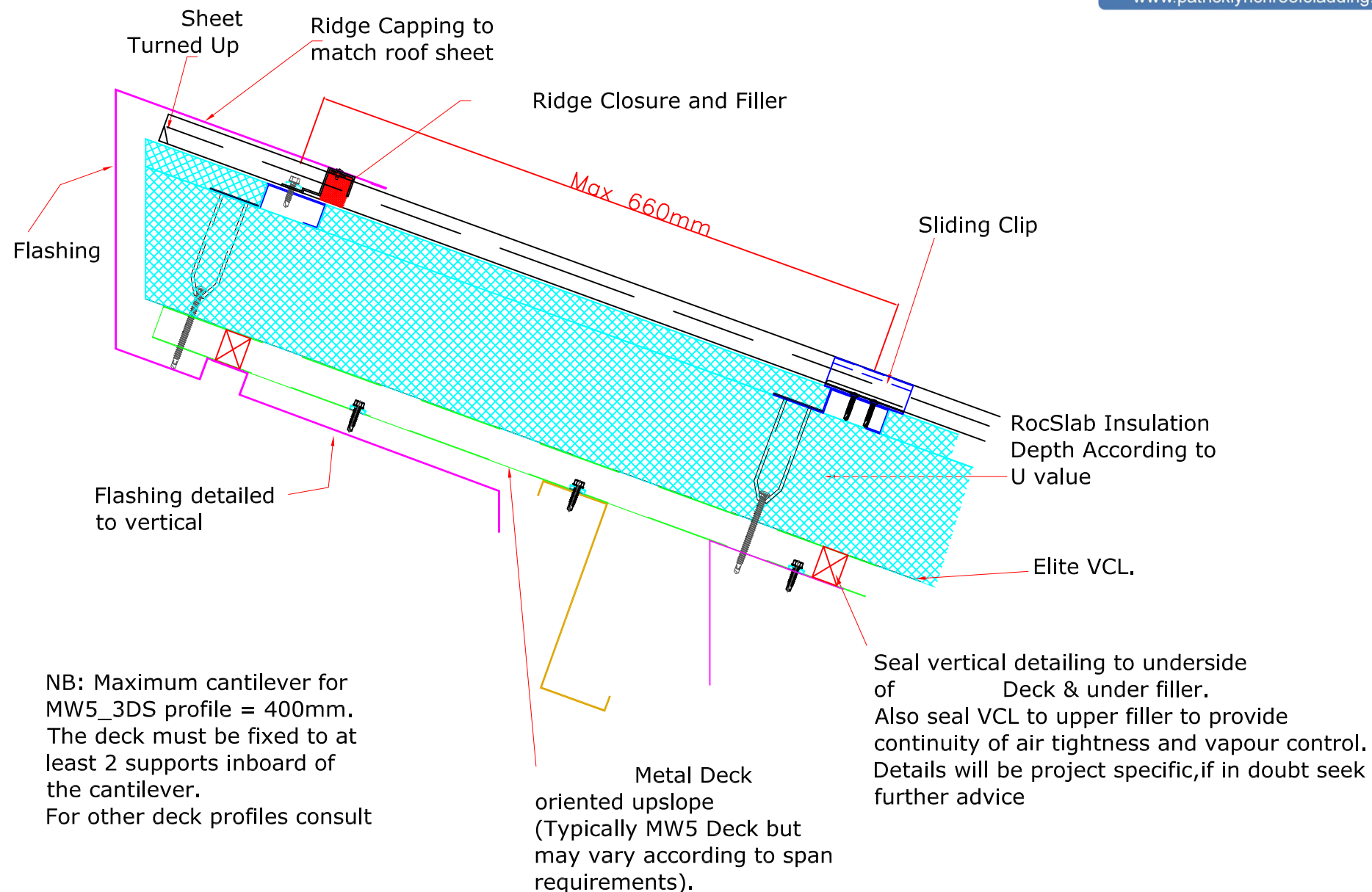
Fax: 064 - 6685596

info@patricklynchroofcladding.com

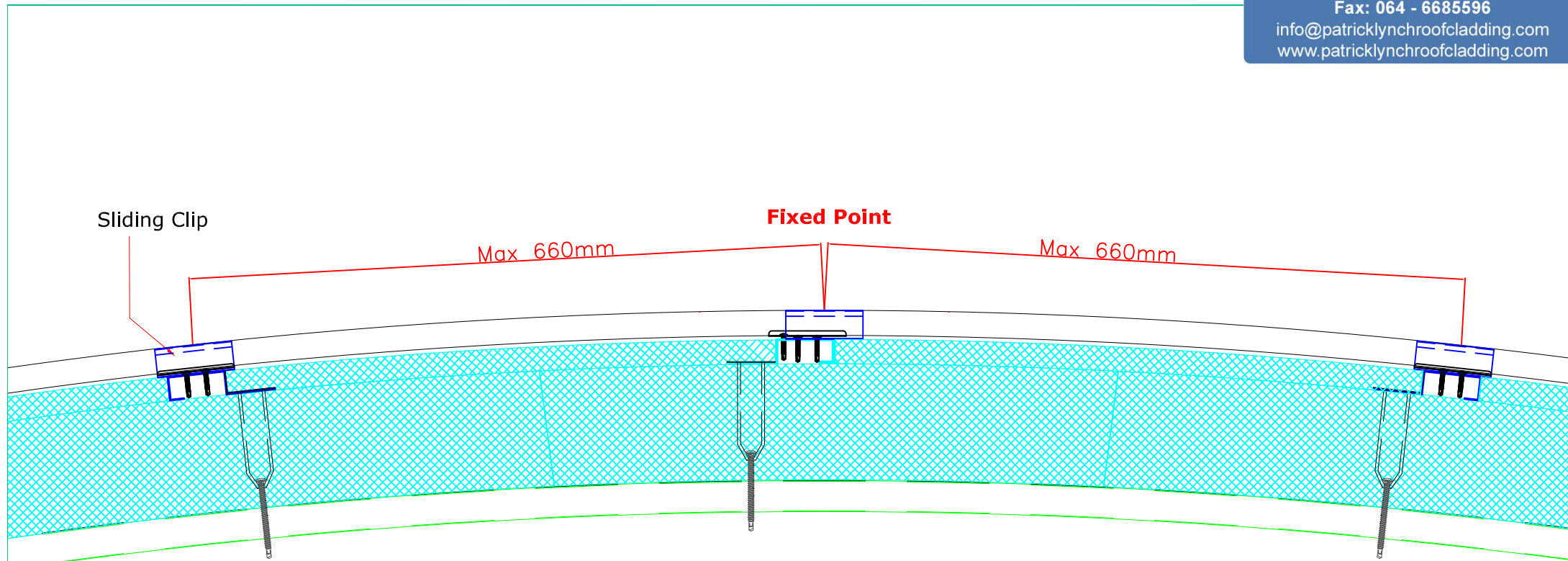
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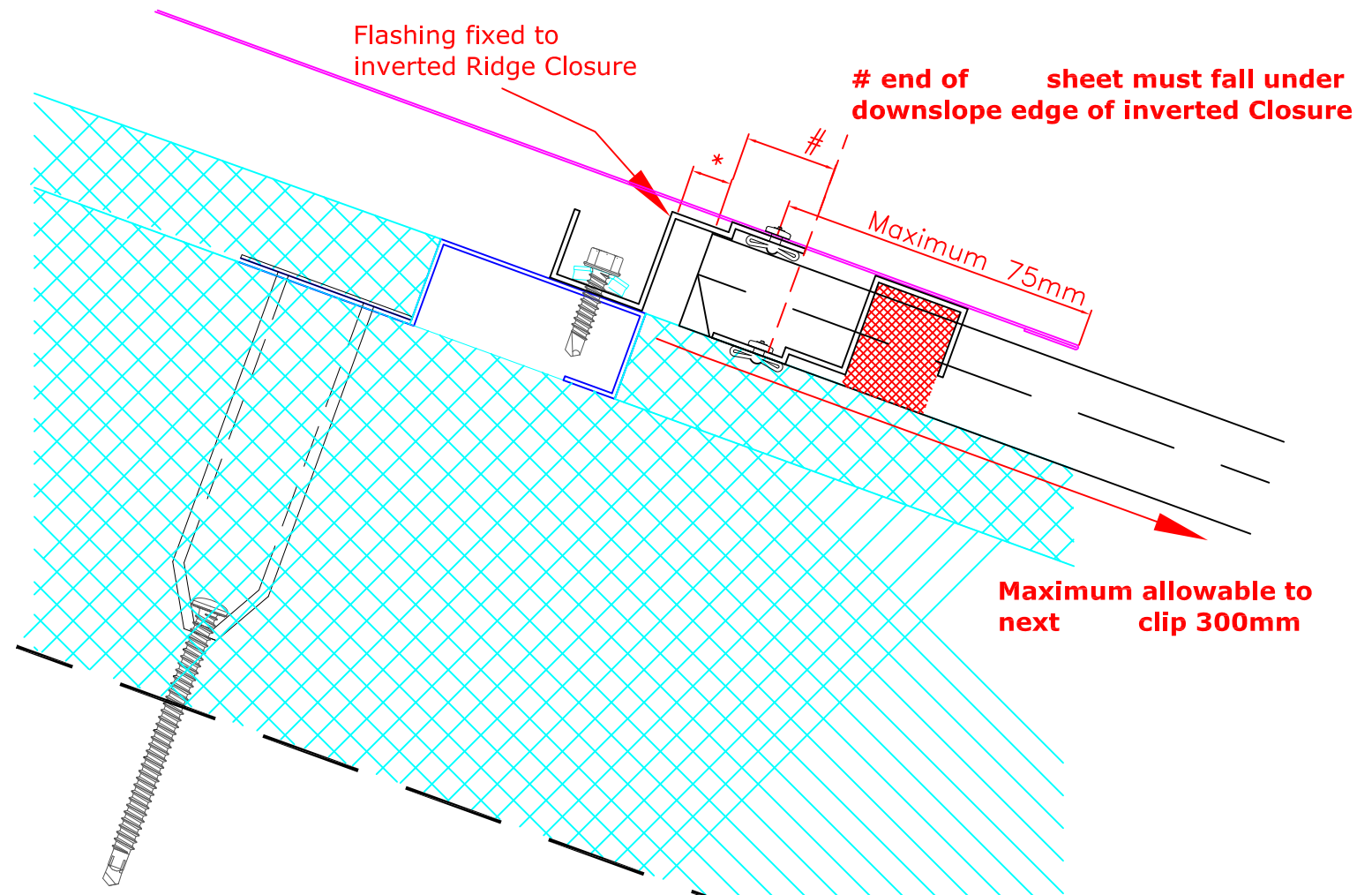




Below 50M radius RocSlab needs to be partially sawn through from bottom to around 50mm from top of slab to allow it to follow curves. (Below 50M radius when using 600mm wide slab). When cutting vee grooves in small radii ensure that these are cut to minimum width to ensure continuity of insulation.

**Ridge Expansion Detail**  
**(for use when fixed point**  
**is not created at ridge).**

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

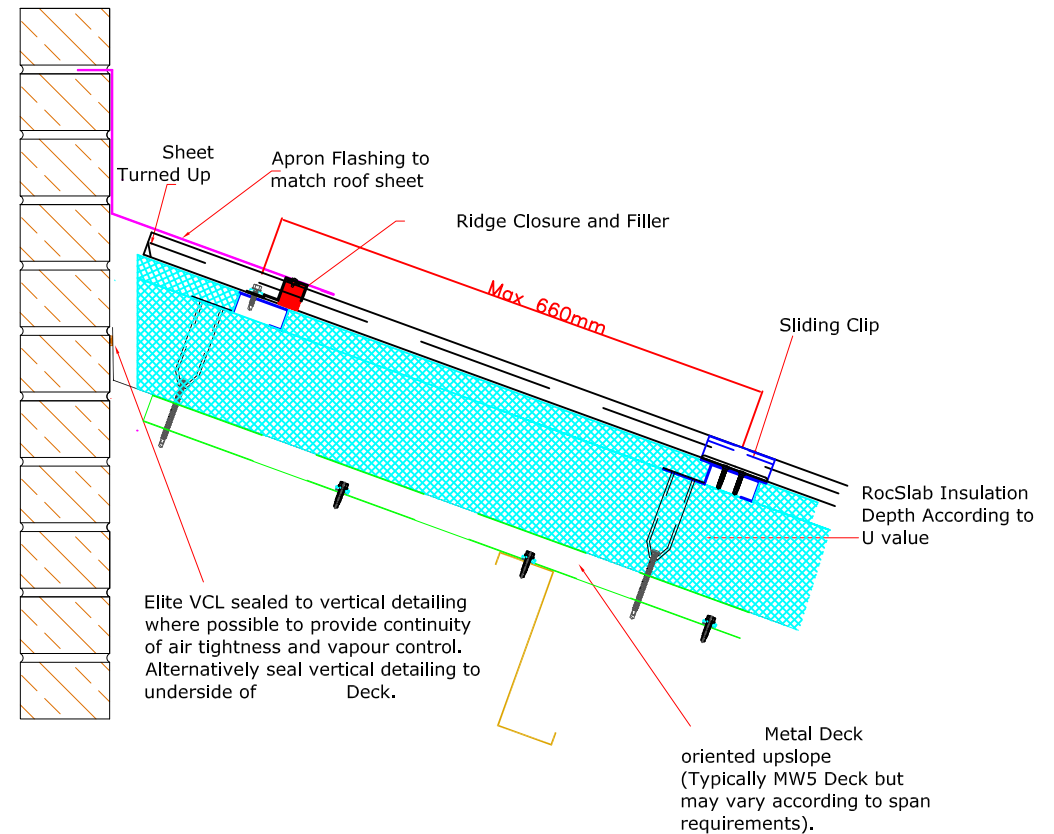


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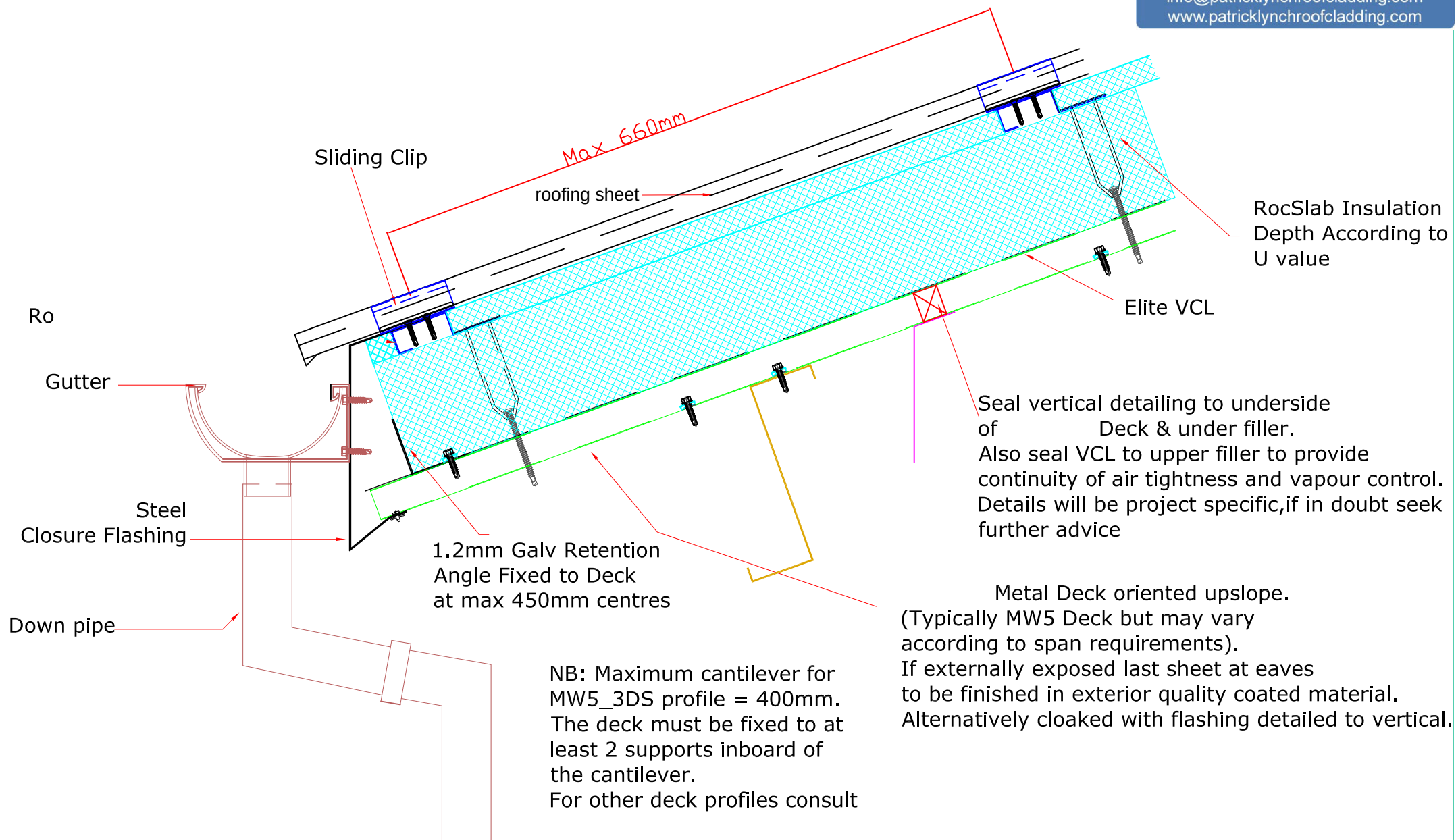
Phone: 087 - 2543499

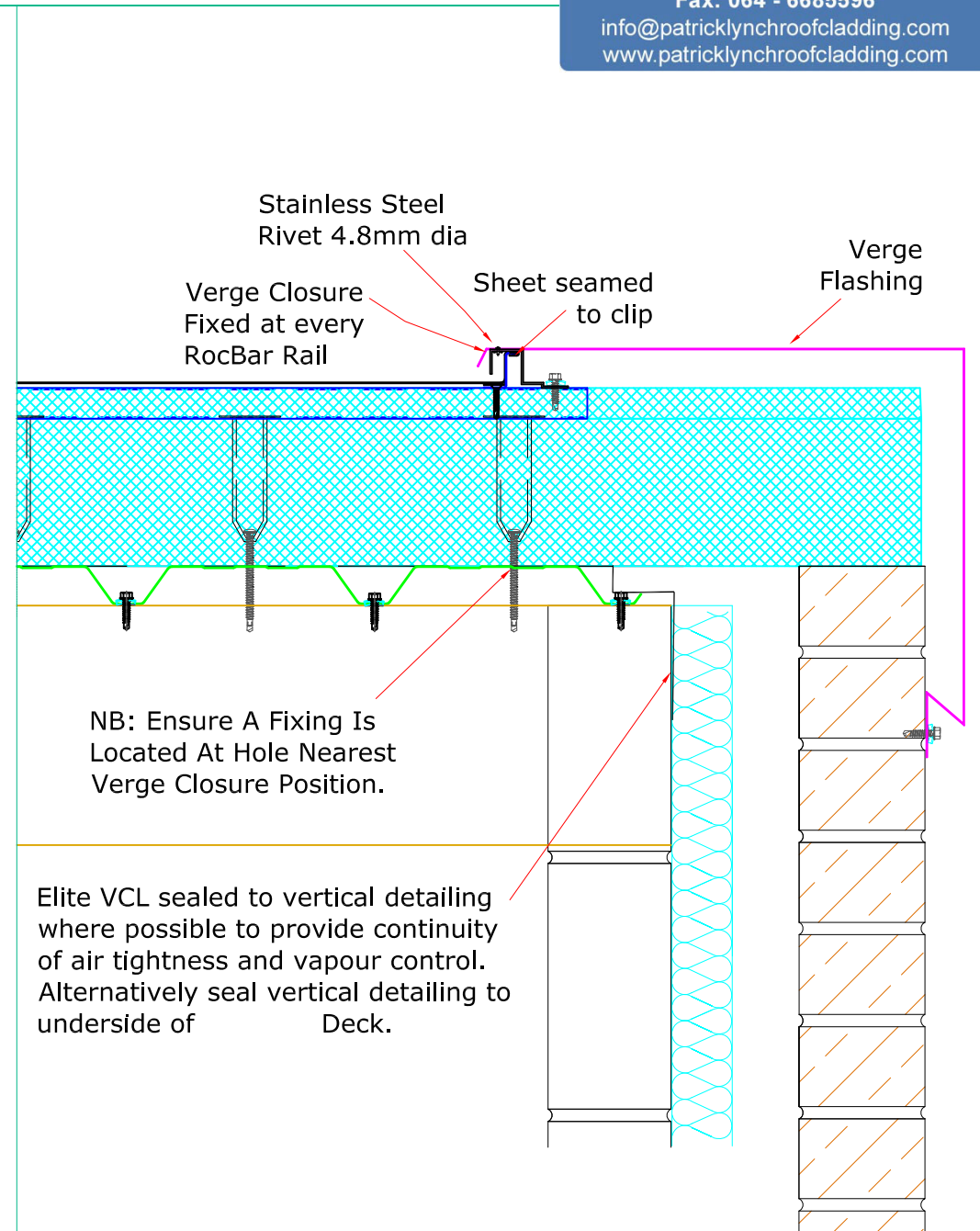
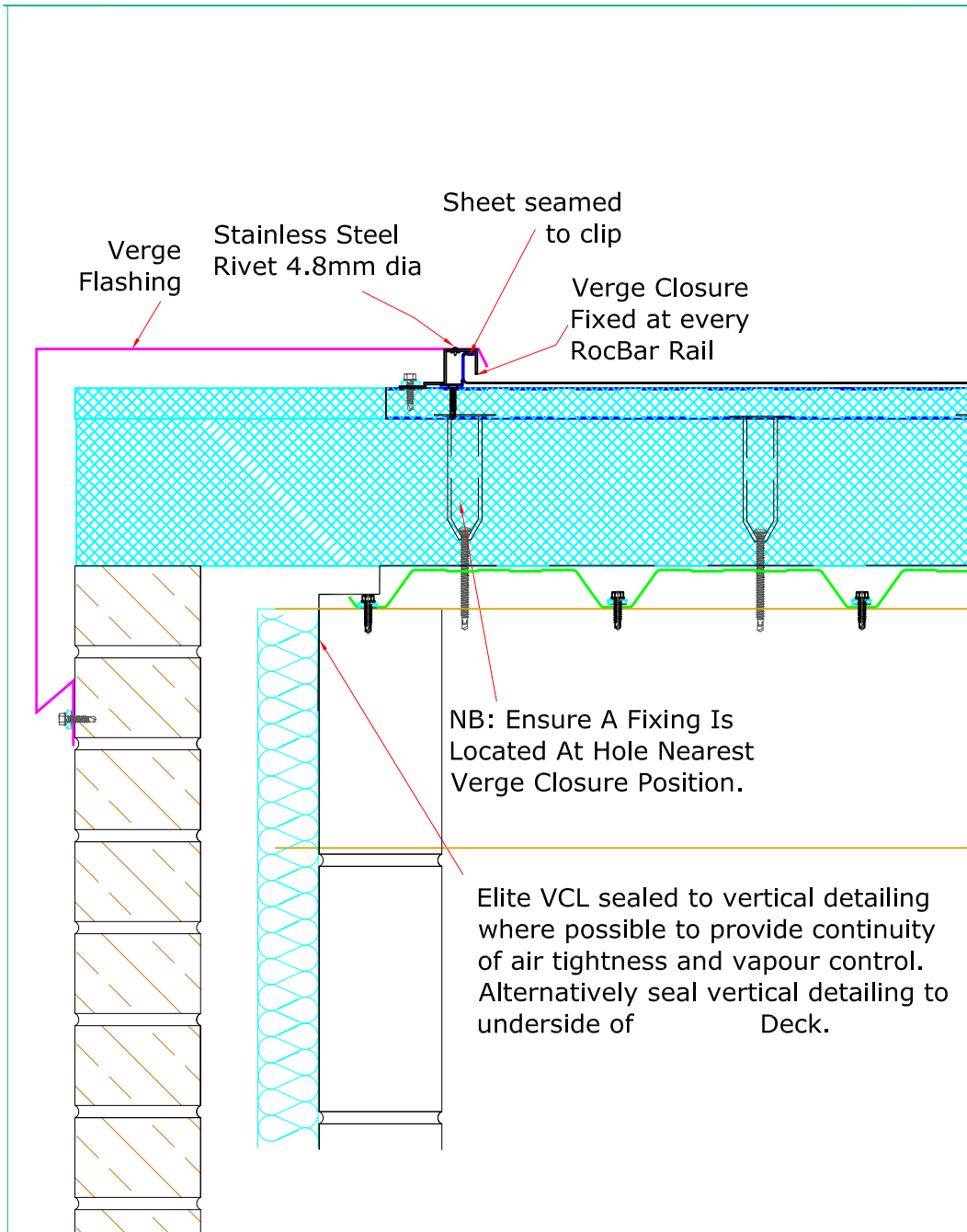
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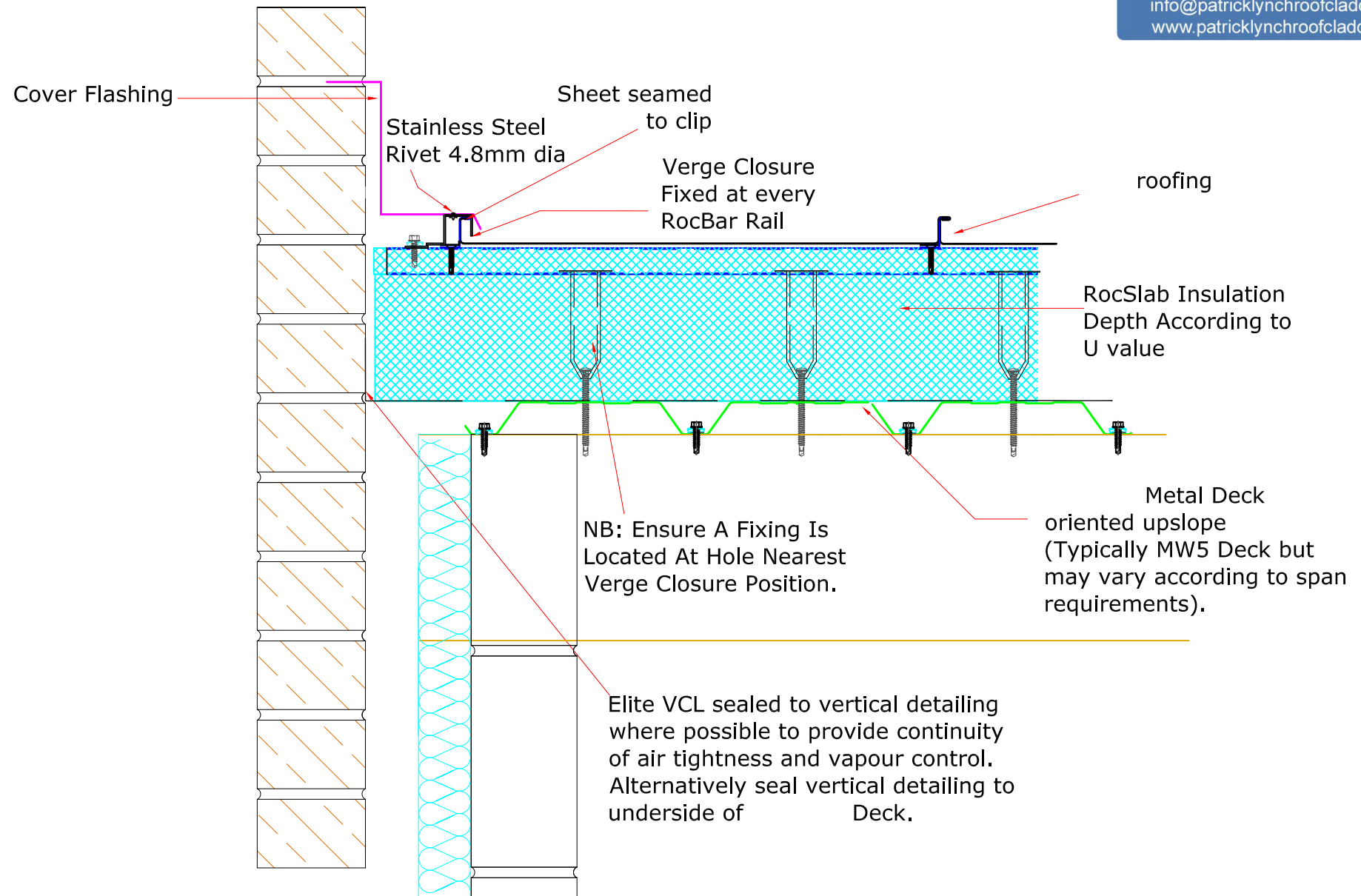
Fax: 064 - 6685596

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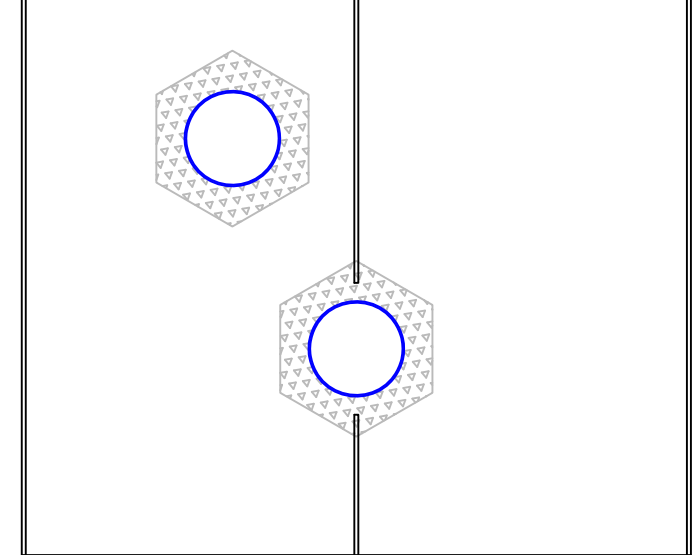
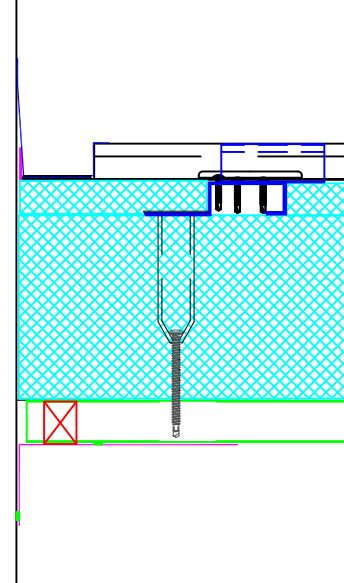
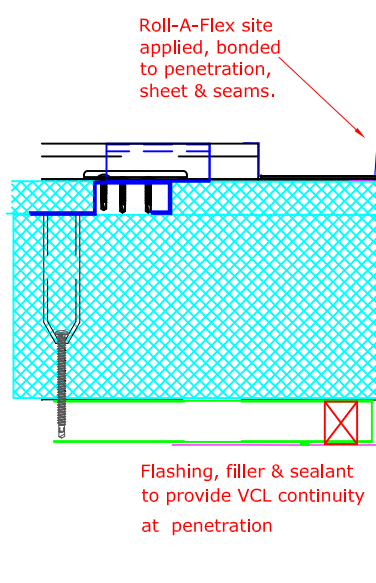




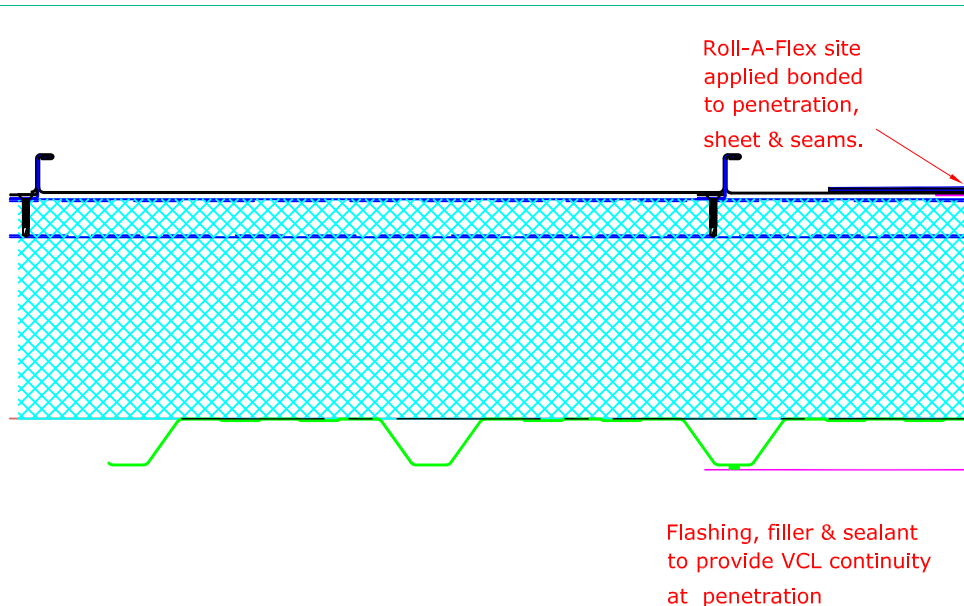




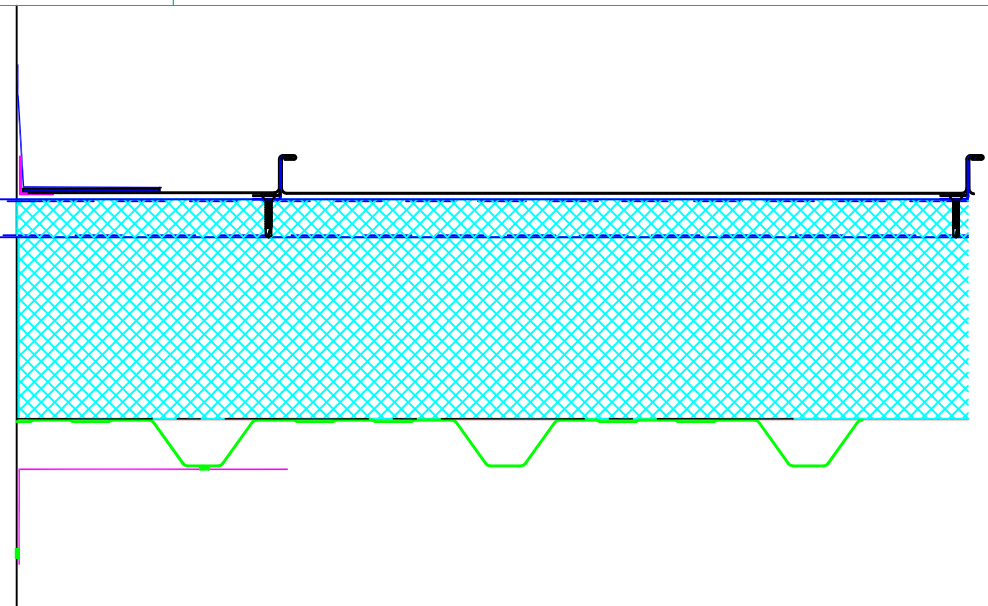
Create fixed points at clips immediately above & below detail across whole of affected elevation. Ensure Clips are at least 100mm away from detail. Allow free movement of sheets elsewhere.



Roll-A-Flex site applied bonded to penetration, sheet & seams.



Penetrations To Avoid RocBar.





## ONLY SUITABLE FOR PITCHES >5°

### SEAMING OPTIONS AT END LAP

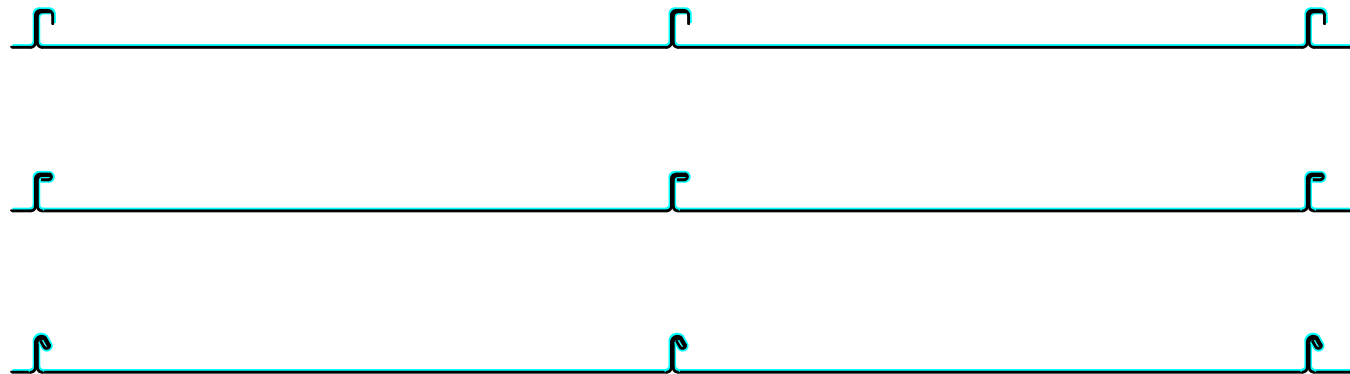
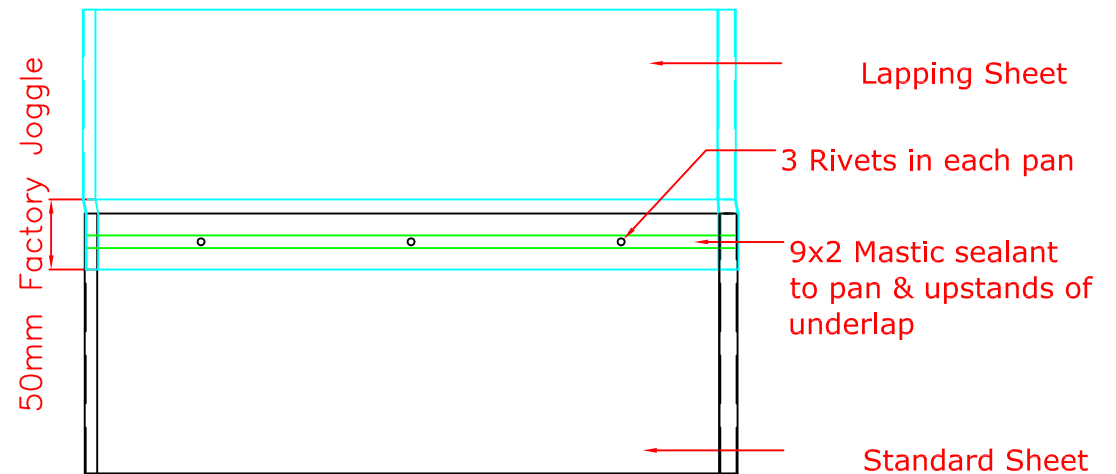
"Stage 1 Seam"(Steel Material Only)



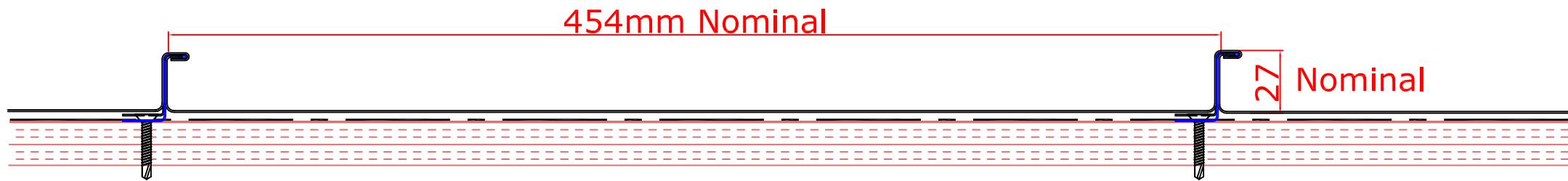
"Stage 2 Seam"(Aluminium Material Only)



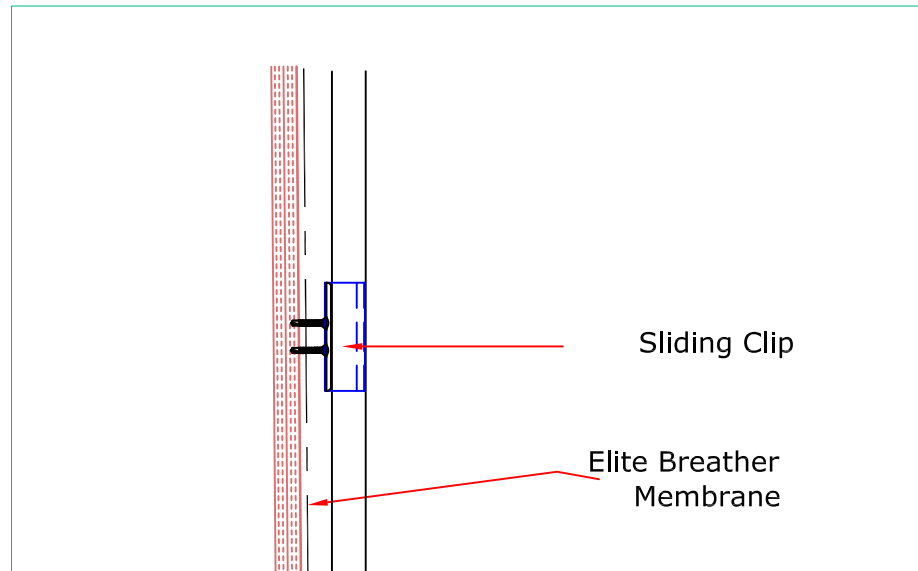
Create fixed points at clips immediately above & below detail across whole of affected elevation.  
Ensure Clips are at least 100mm away from detail.  
Allow free movement of sheets elsewhere.



Standard offer is 454mm profile.  
Also available on request in other  
widths from 225mm to 517mm.



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



### Sheet Seaming Sequence

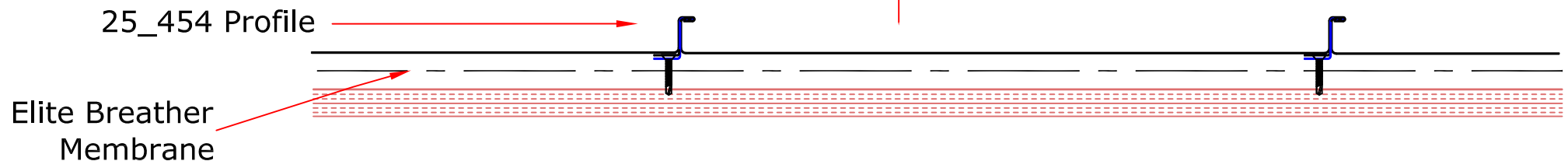
"Stage 1 Seam" (Steel Material Only)



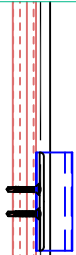
"Stage 2 Seam" (Aluminium Material Only)



### COLOUR SIDE



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



**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**

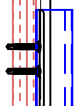
**CLIP TYPICAL CENTRES:  
DETERMINED BY PROJECT WIND SUCTION LOADS AS FOLLOWS:**

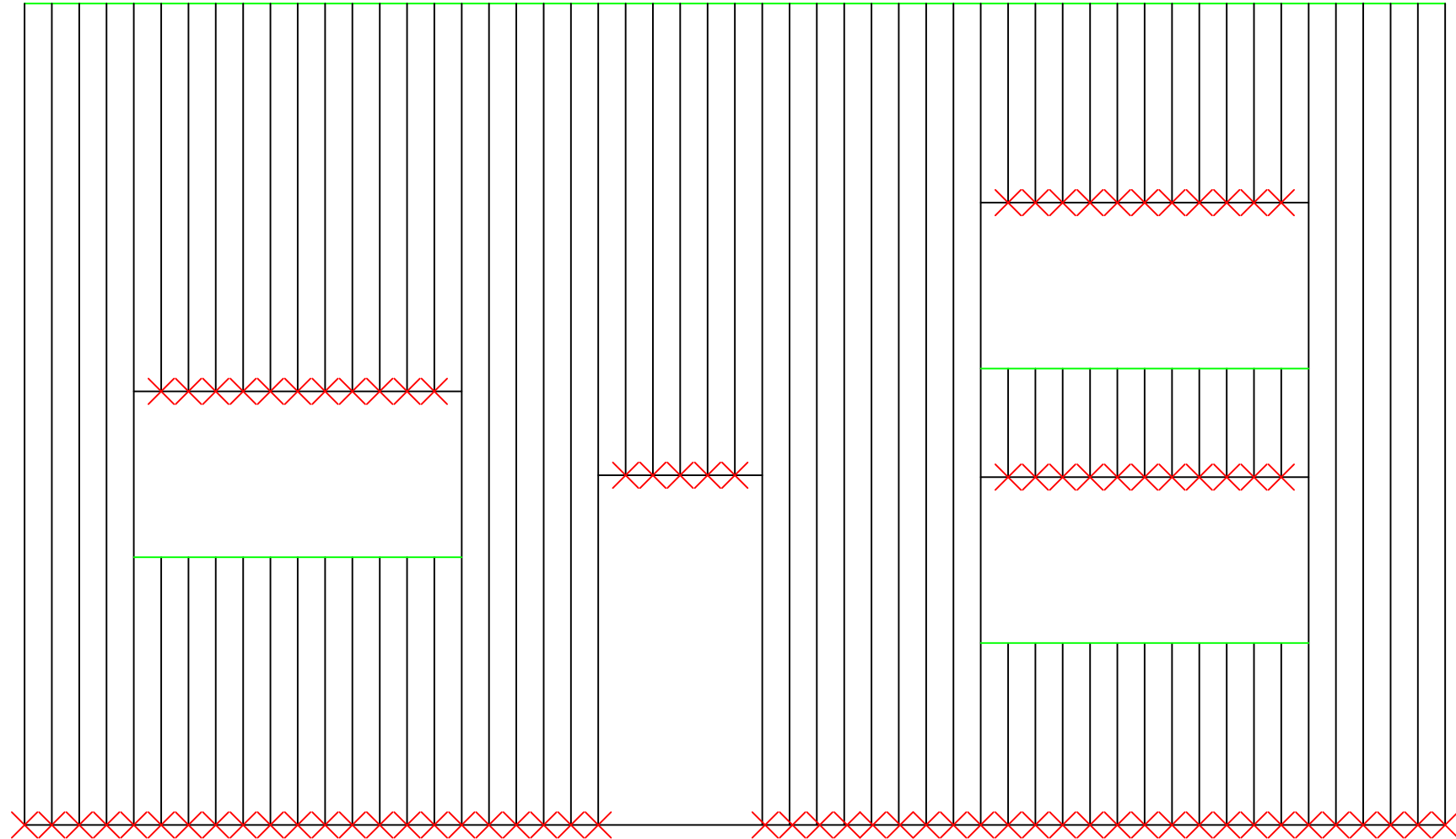
**1260mm for loads up to 1.5kN/M<sup>2</sup>**

**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**



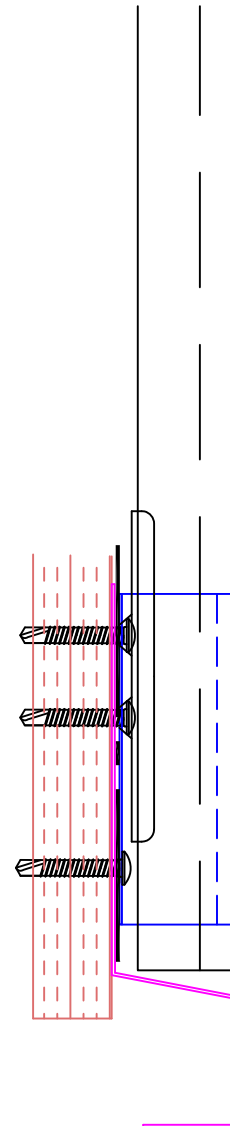
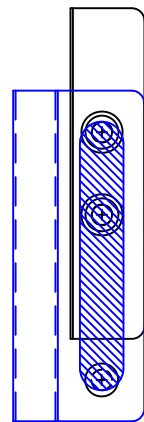


✕ Fixed Point

— Expansion allowance under flashing

**Create Fixed Point Using Clip with Additional Fixing,  
Typically positioned over drip angle at sheet base.**

**Assembled Front View**



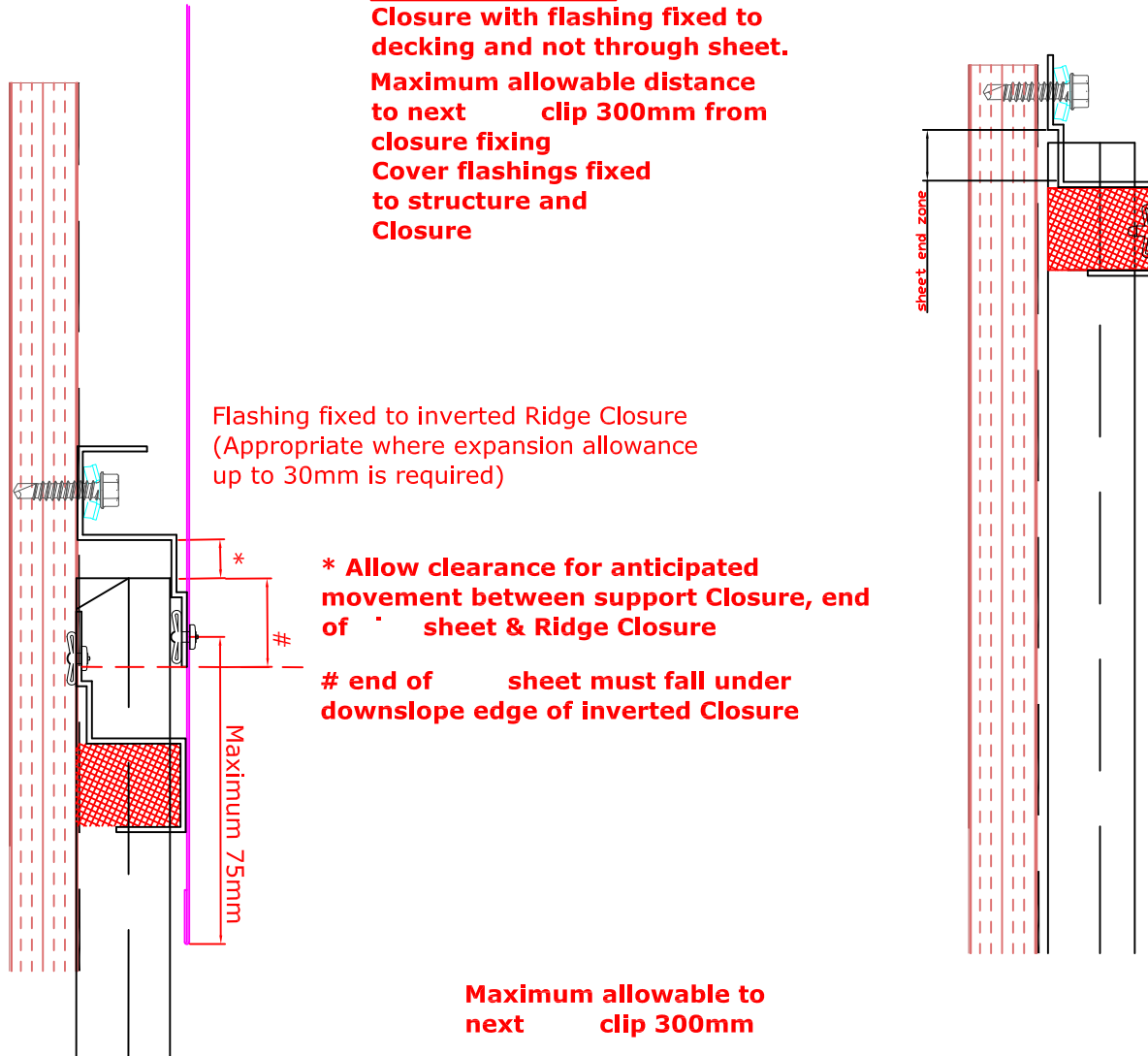
**Drip Angle flashing**

**Movement typically allowed  
at top of sheet.**

**Closure with flashing fixed to  
decking and not through sheet.**

**Maximum allowable distance  
to next clip 300mm from  
closure fixing**

**Cover flashings fixed  
to structure and  
Closure**



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

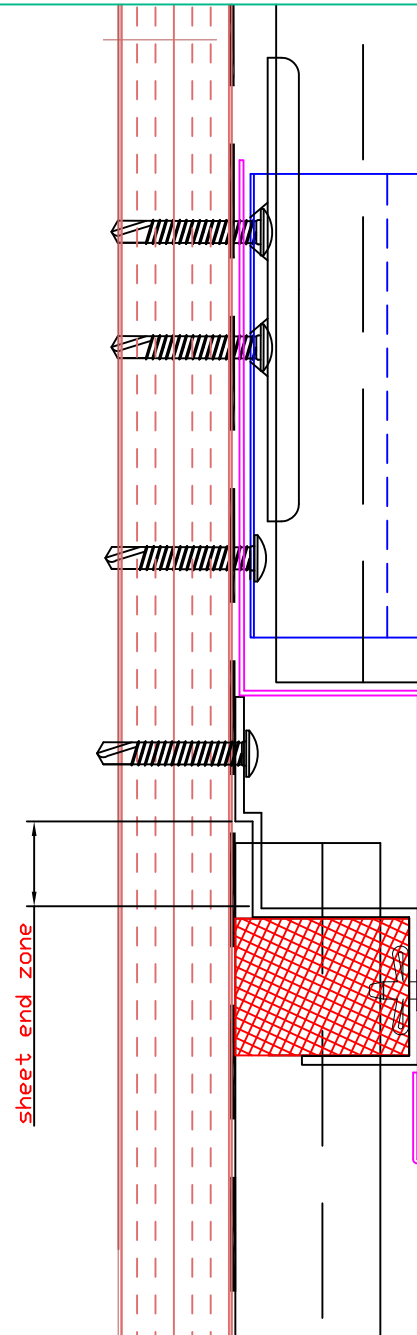
**\* Allow clearance for anticipated  
movement between support Closure, end  
of sheet & Ridge Closure**

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

**Maximum allowable to  
next clip 300mm**

Appropriate where expansion  
allowance of Max 10mm required





**Fixed Point**

**Drip Angle flashing**

Appropriate where expansion  
allowance of Max 10mm required.

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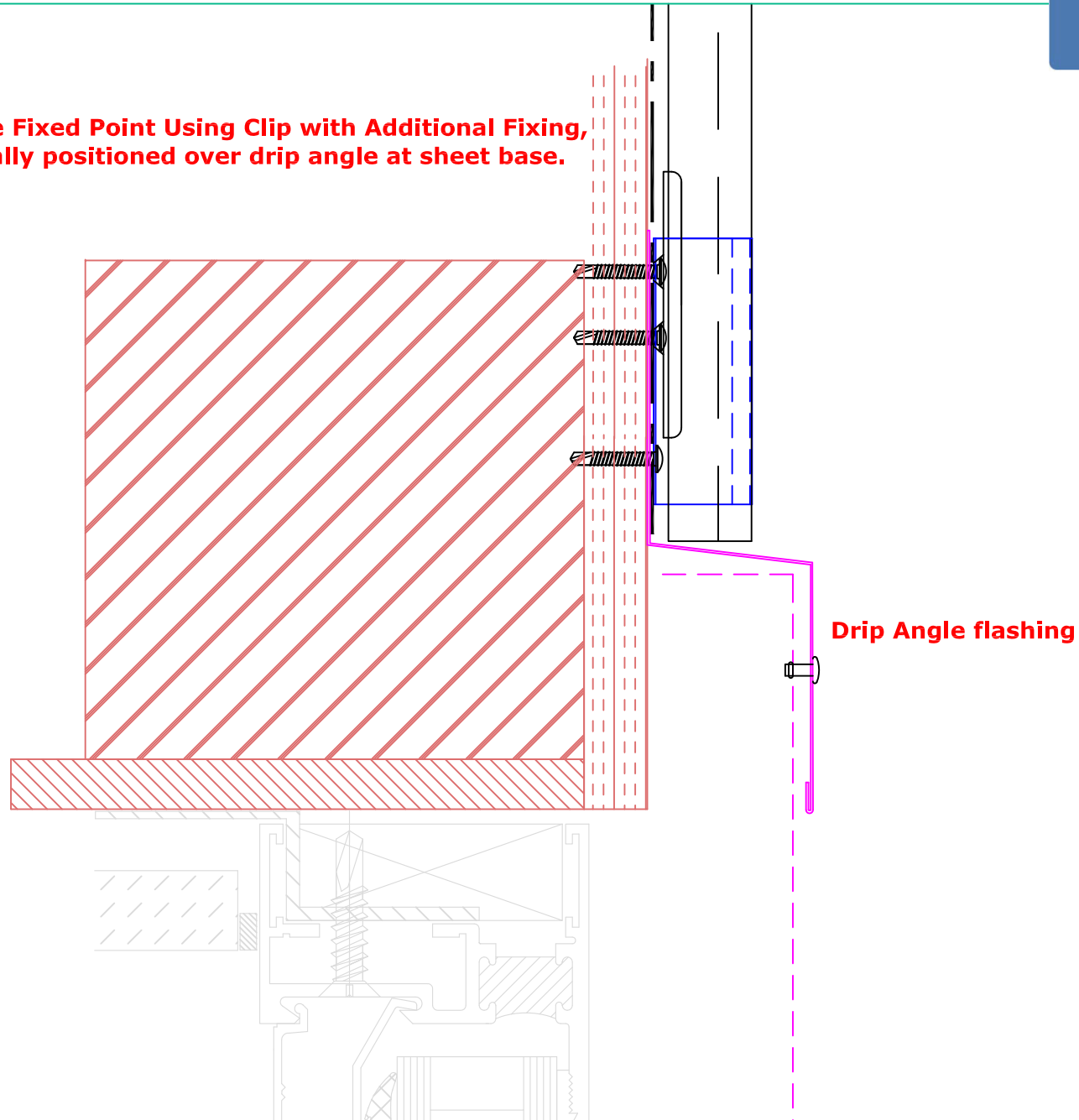
[www.patricklynchroofcladding.com](http://www.patricklynchroofcladding.com)

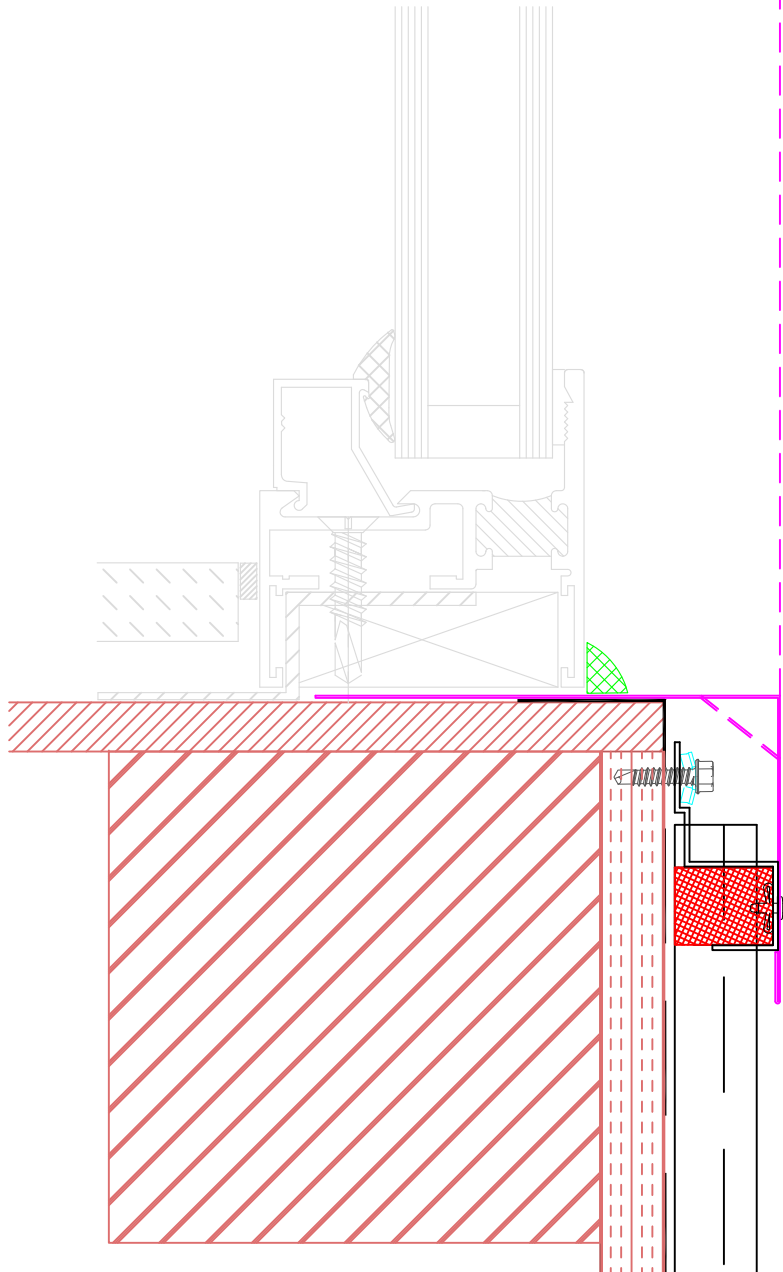
Small notch into sheet  
to receive drip. Sealed with  
mastic.

Site Folded stopend on drip

Design Window Module & sheet  
to be in line. Either by using multiples  
of 454mm or adjustment of sheet  
coverwidth.

**Create Fixed Point Using Clip with Additional Fixing,  
Typically positioned over drip angle at sheet base.**





Cill flashing (with optional fall).  
Edge cut on site and turned up  
behind Jamb flashing.  
Site folded stopend also formed  
by cut and fold back.

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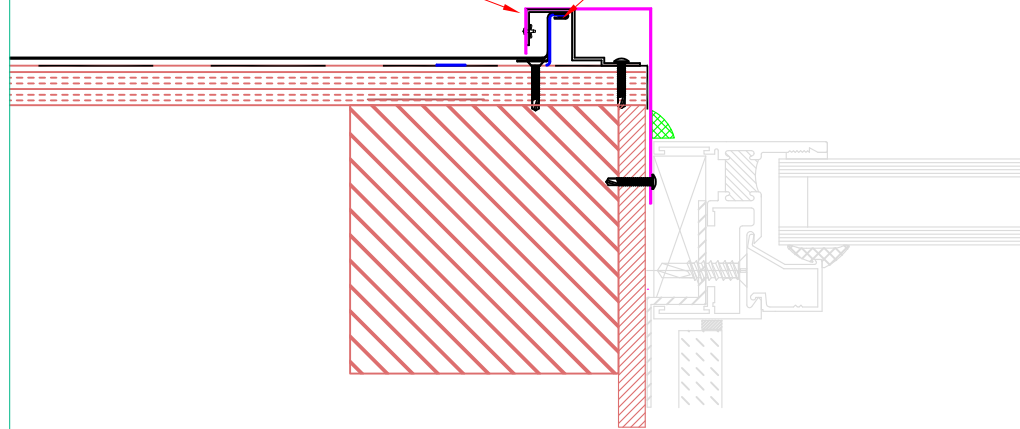
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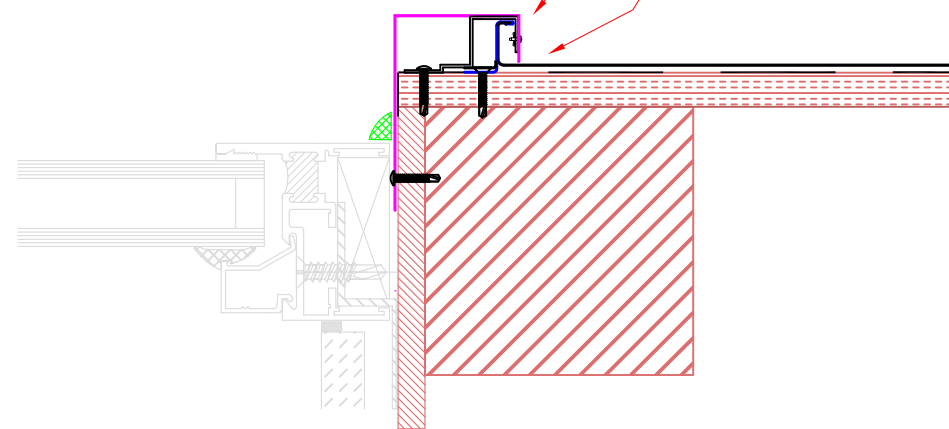
Verge Closure

Sheet seamed  
to clip

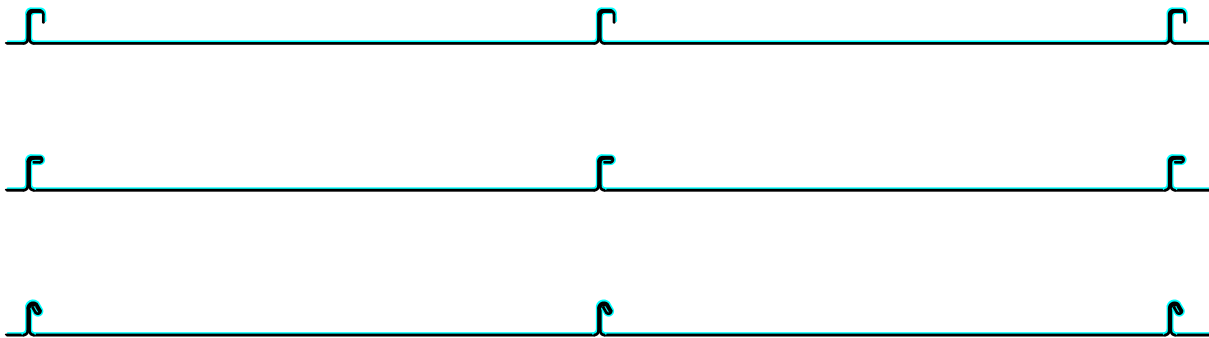
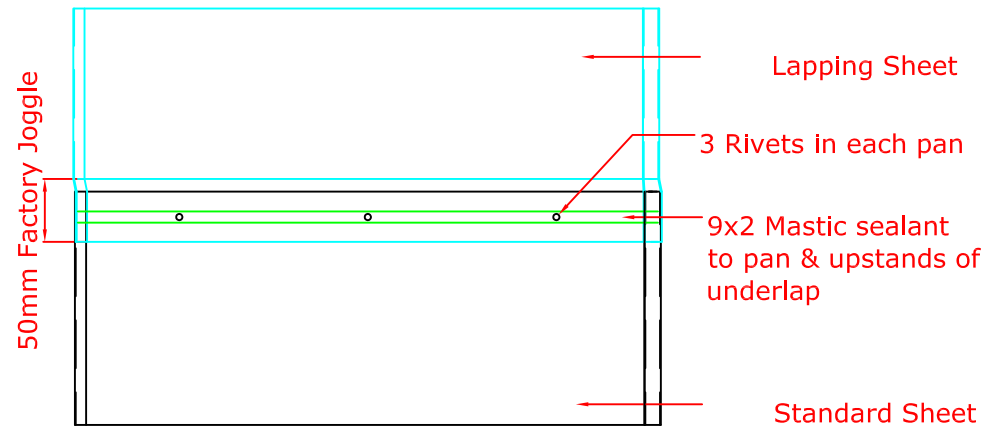


Sheet seamed  
to clip

Verge Closure



Create fixed points at clips immediately above & below detail across whole of affected elevation.  
Ensure Clips are at least 100mm away from detail.  
Allow free movement of sheets elsewhere.



## SEAMING OPTIONS AT END LAP

"Stage 1 Seam"(Steel Material Only)



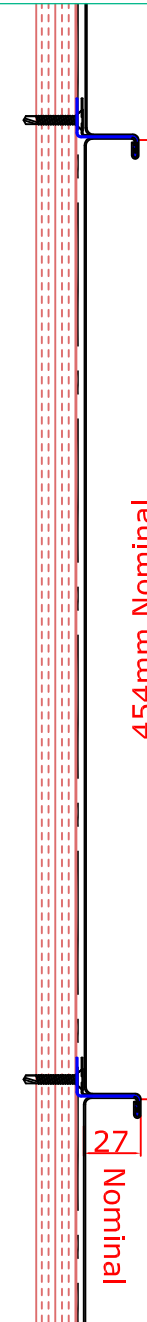
"Stage 2 Seam"(Aluminium Material Only)



**Standard offer is 454mm profile.**

Also available on request in other widths from 225mm to 517mm.

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





25\_454 Profile

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

COLOUR SIDE

Elite Breather  
Membrane

### Sheet Seaming Sequence

"Stage 1 Seam"(Steel Material Only)

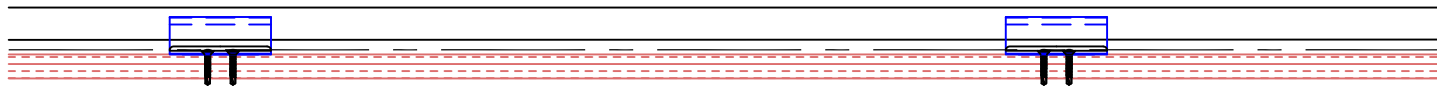


"Stage 2 Seam" (Aluminium Material Only)



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

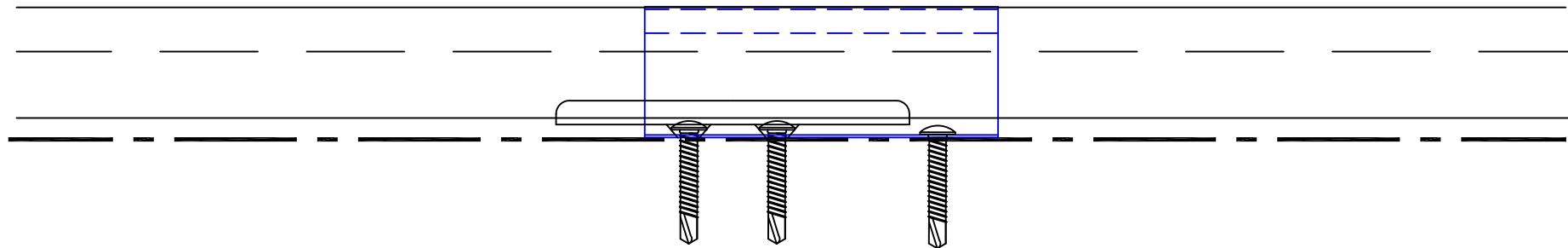
**1260mm for loads up to 1.5kN/M<sup>2</sup>**

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

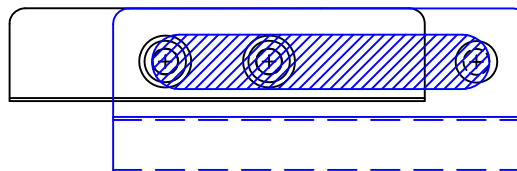
**300mm for loads 2 to 4kN/M<sup>2</sup>**

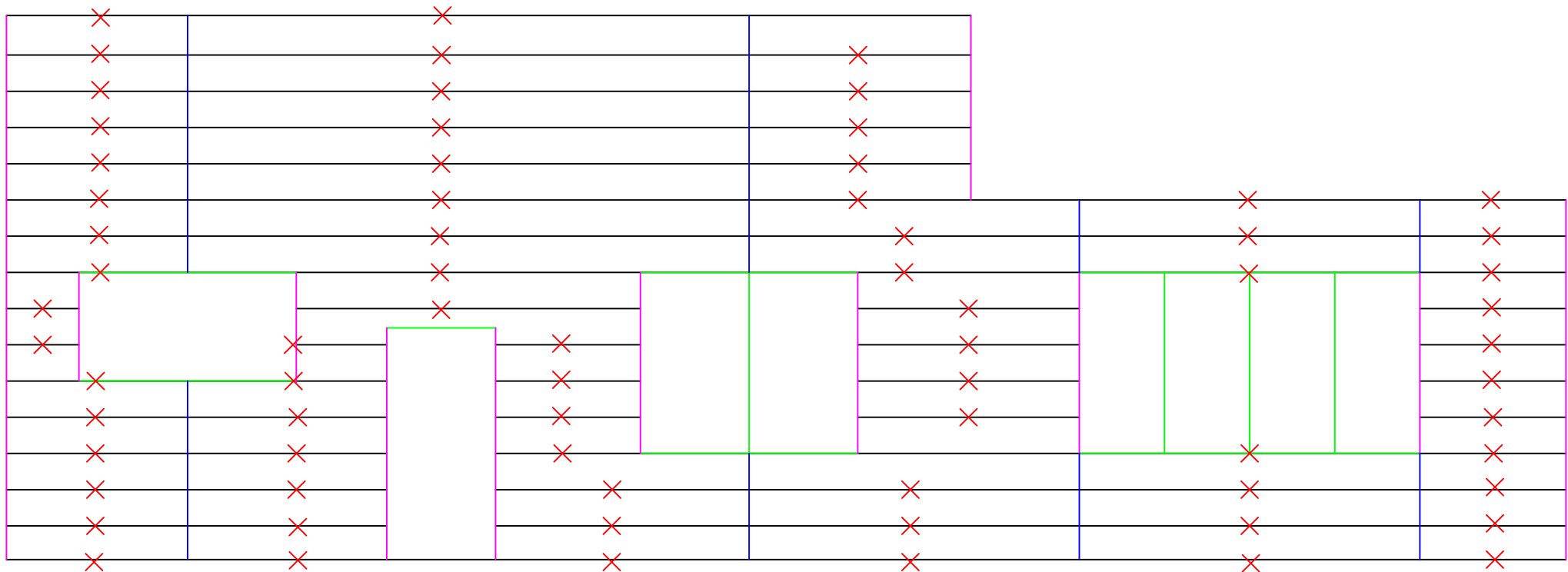
**Where substrate is Min 18mm ply or Min 15mm OSB 3**

**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.**



**Assembled Front View**

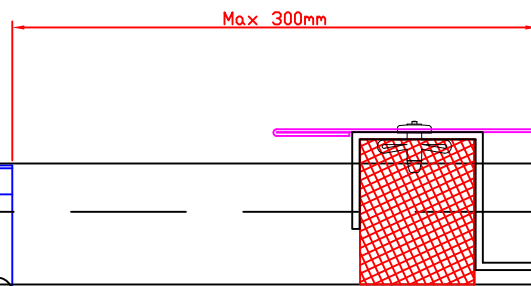




✕ Fixed Point

— Expansion allowance under flashing

— Tophat flashing vertical joint



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

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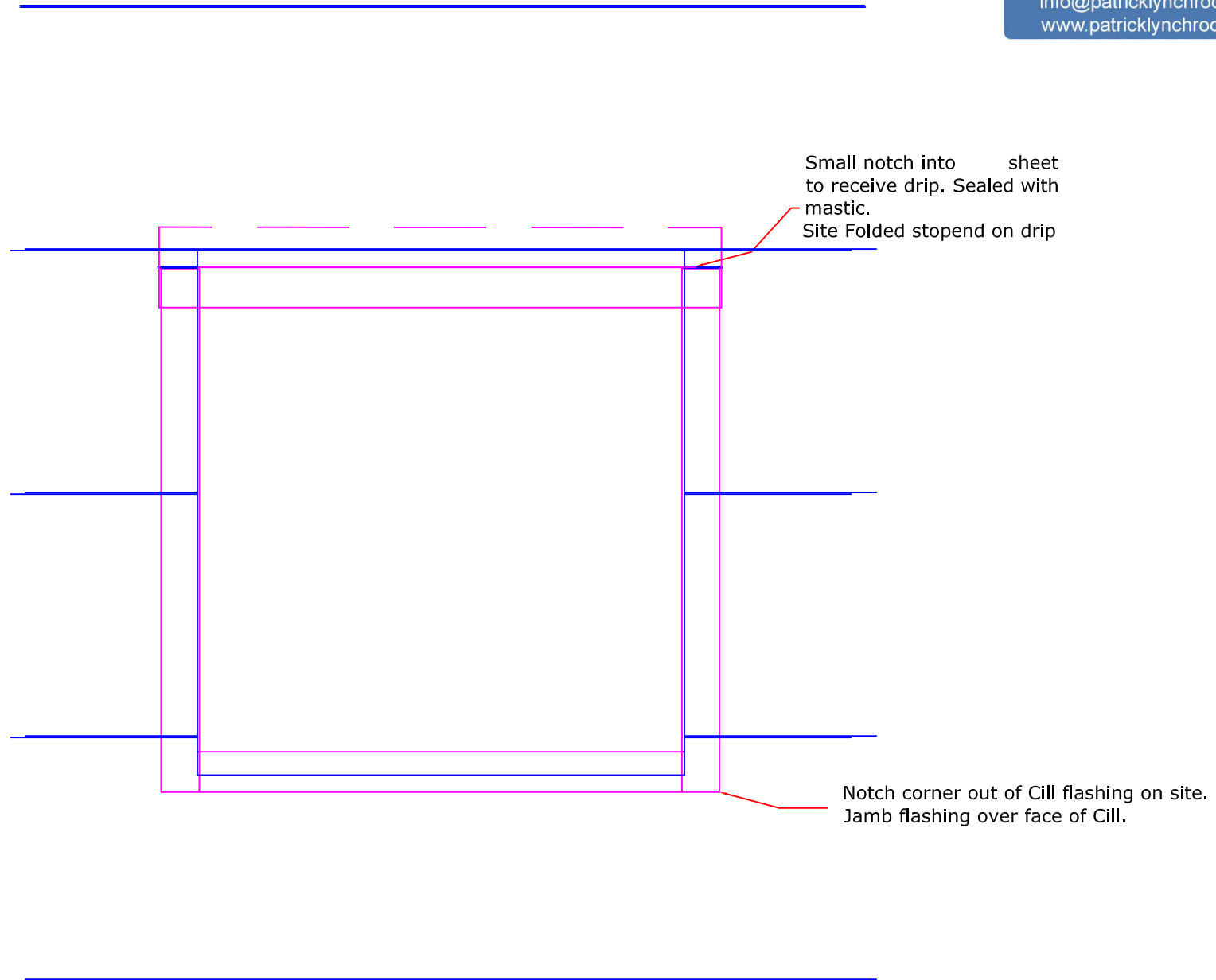
**Phone: 087 - 2543499**

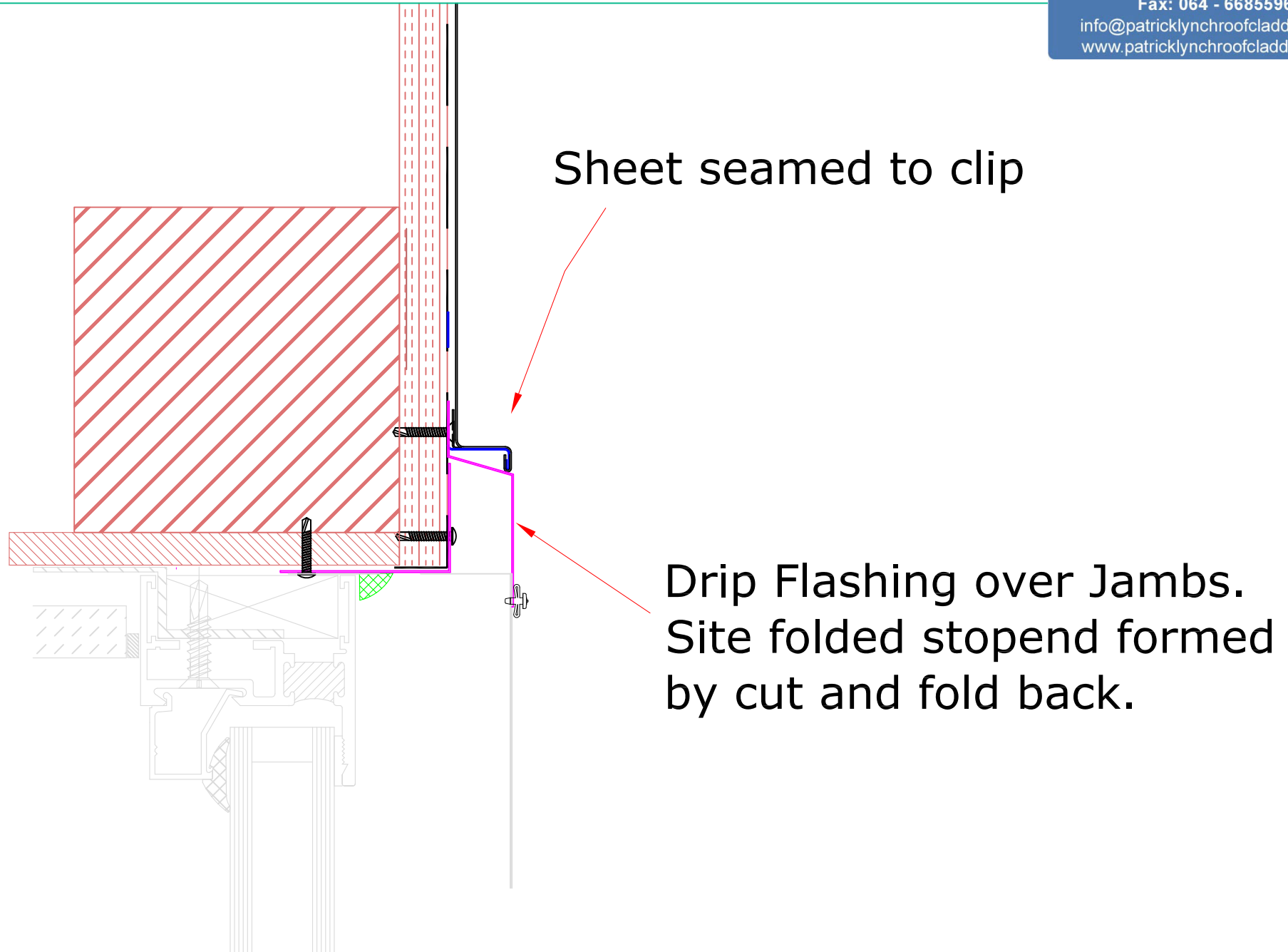
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**Fax: 064 - 6685596**

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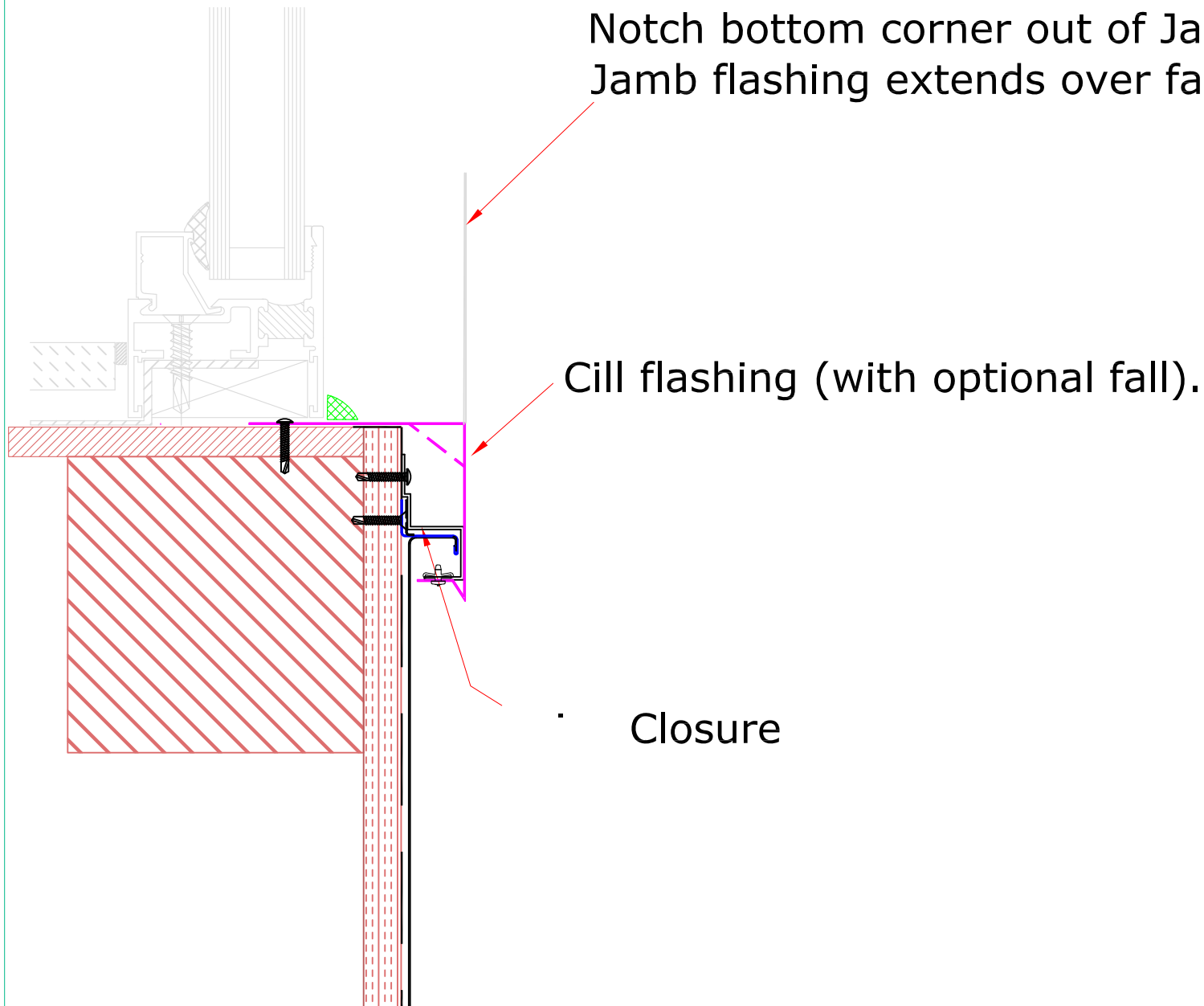
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Jamb flashing

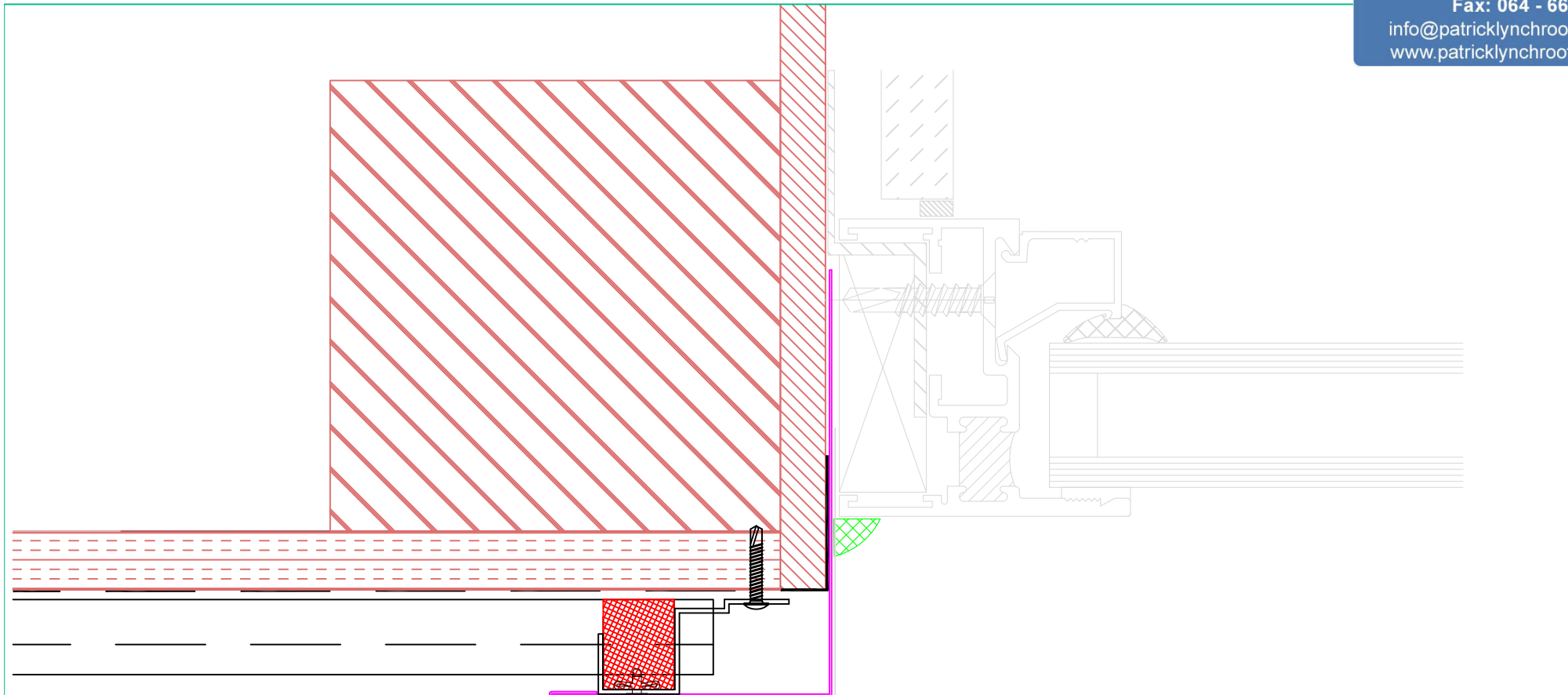
Notch bottom corner out of Jamb & Cill flashings on site.  
Jamb flashing extends over face of Cill.



Cill flashing (with optional fall).

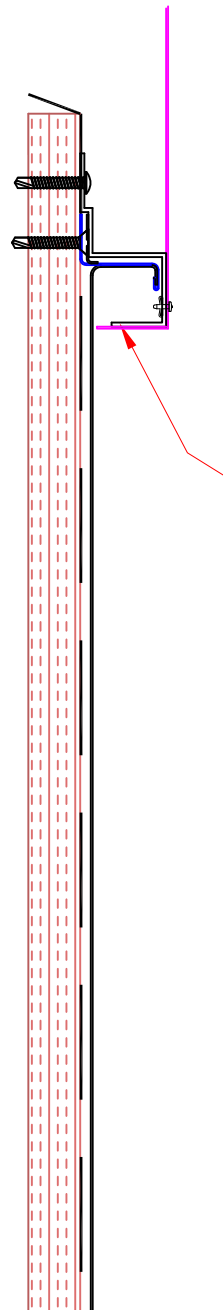
Closure





Jamb flashing

Cill flashing



Flashing as drip under roof  
or dressed over as verge.

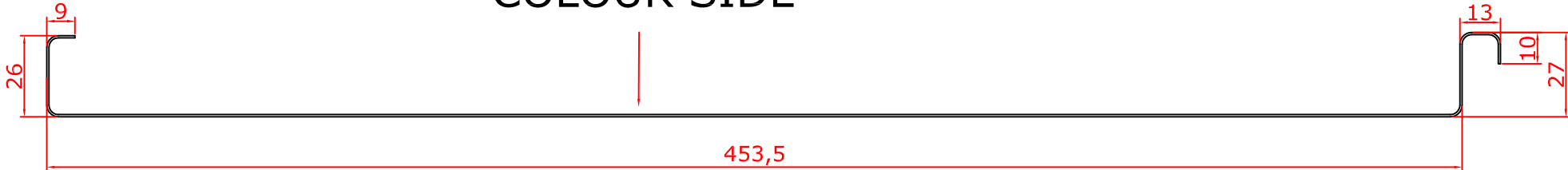
Closure

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.

454mm Nominal

28

COLOUR SIDE

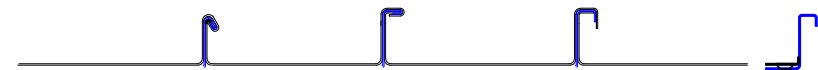


453,5

"Stage 1 Seam"(Steel Material Only)



"Stage 2 Seam" (Aluminium Material Only)

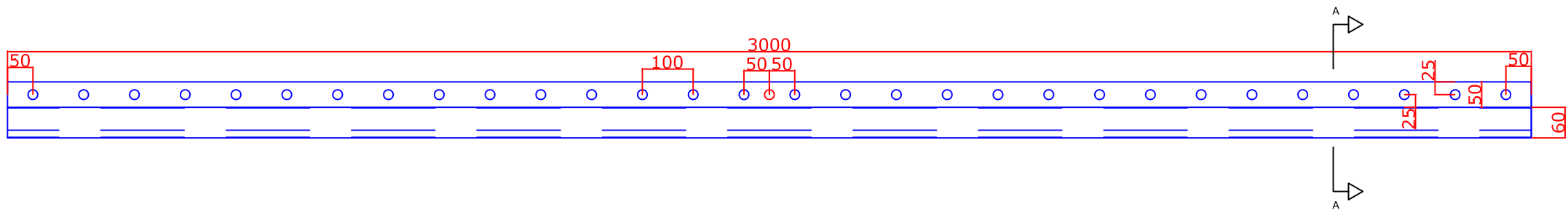


Material:

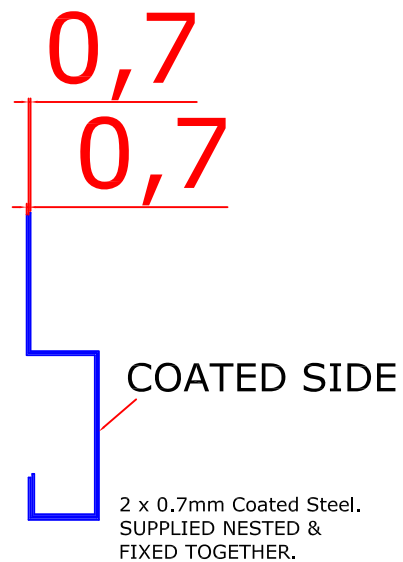
0.9mm Aluminium

0.7mm Steel

Other sheet widths only available through consultation



## Section A-A

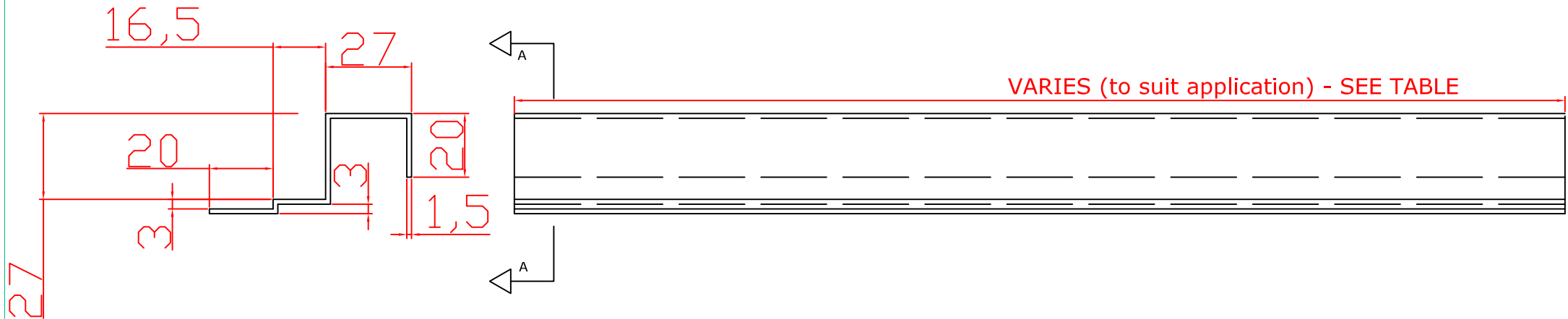


Material: Aluminium

Length: 439mm, 325mm or 3M Part Refs: VC 454,  
VC 340, VC3

(Other lengths available through consultation)

**Section A-A**



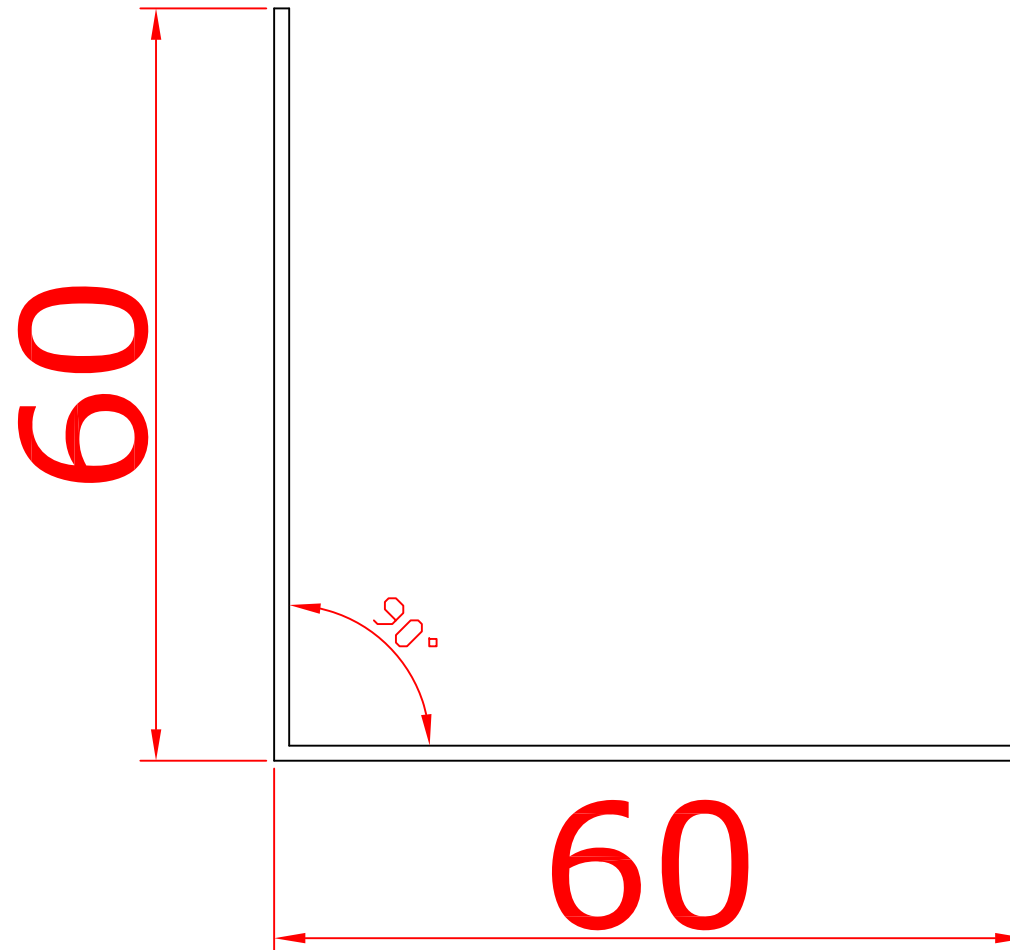
| Application                          | Length |
|--------------------------------------|--------|
| Filler Closure for Vieo 454mm        | 0.439M |
| Filler Closure for Vieo 340mm        | 0.325M |
| Verge or Raked Filler Closure Blank* | 3.000M |

\* Also for sheet widths other than 454mm or 340mm

Material: 1.2mm Galvanised Steel

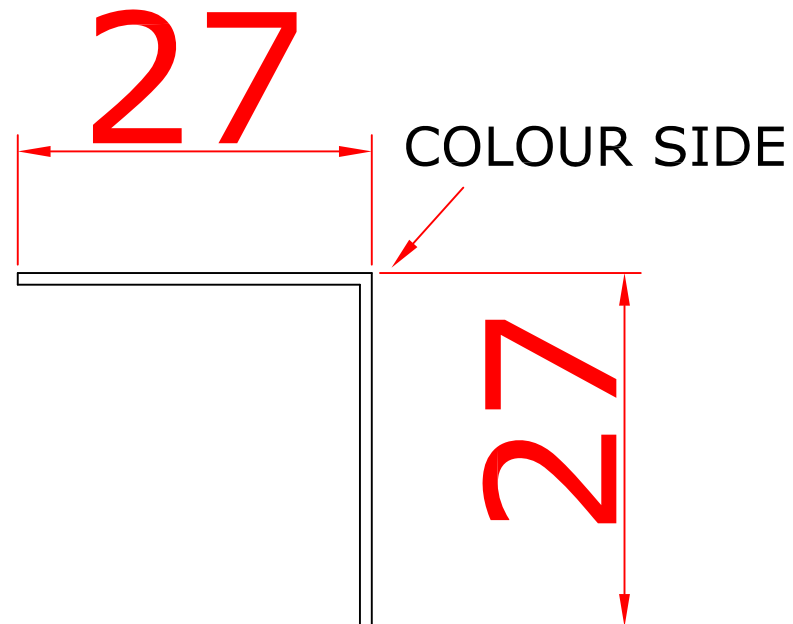
Length: 3.000M

Part Ref: -RA3



Coloured Closure Cover To Match

Sheet Material If Reqd.



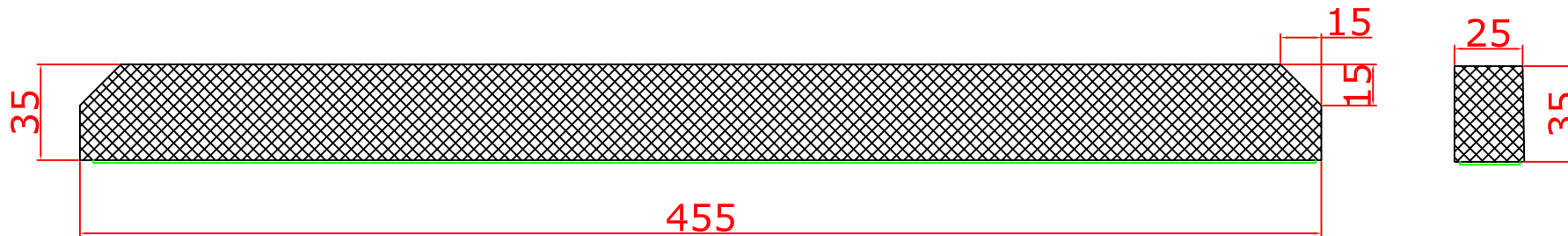
Material: 0.7mm Coated Steel or 0.9mm Coated Aluminium

Length: 3.000M

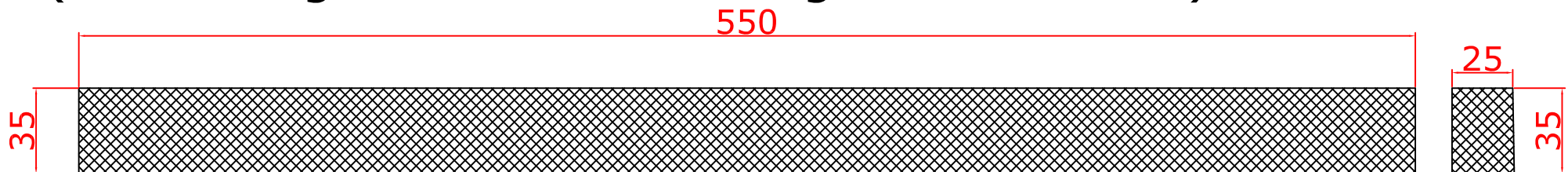
Part Ref: -CC3

Material: EPDM, Metallocene or "Supaseal"  
Supplied with mastic to base

## Standard Profile Filler for 454mm



Profile Filler Blank for Rakes & sheet widths other than 454mm  
(Other lengths available through consultation)

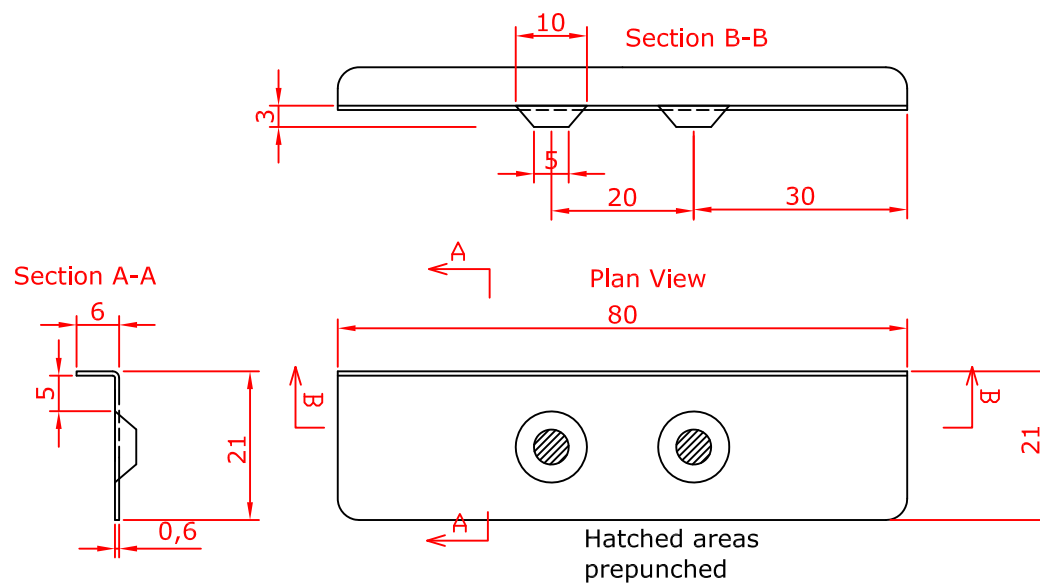
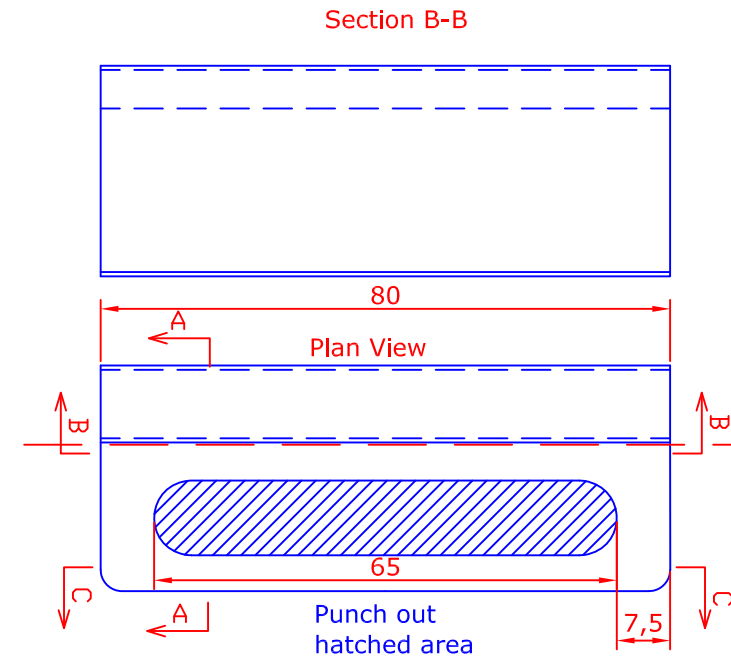
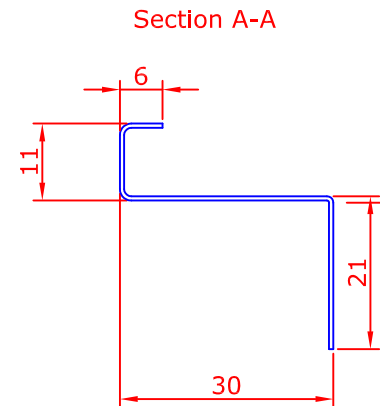
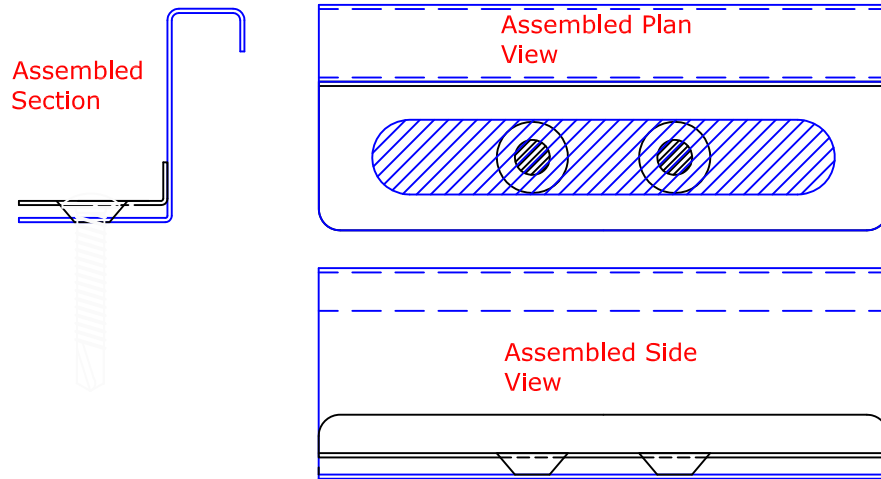




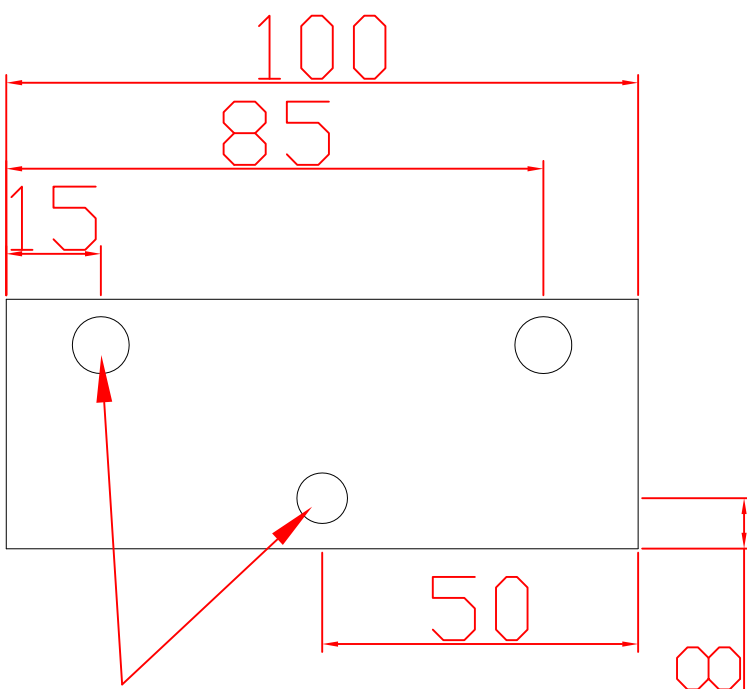
Material: Stainless Steel

Part Ref: Sliding Clip

2 Fixings per Clip (supplied separately)



1 x M10  
Bolt  
with  
washer



Secured with M8  
bolts with cap heads

