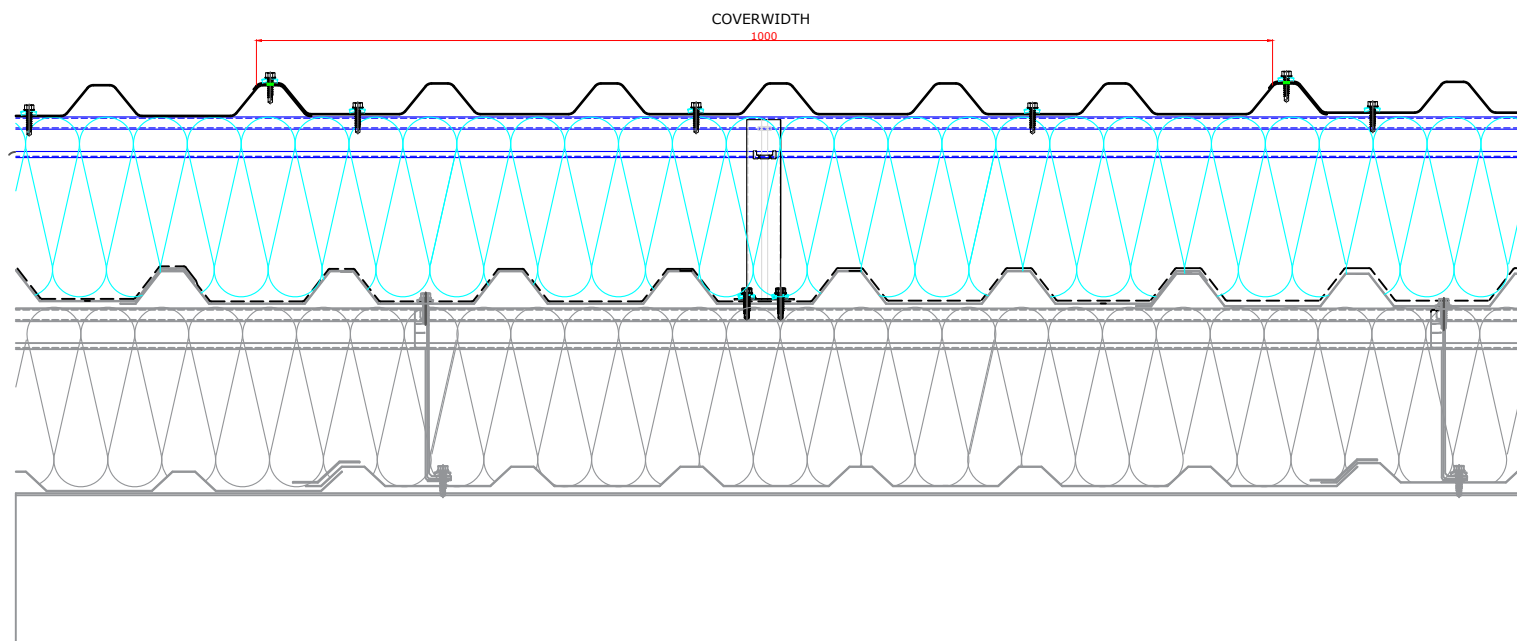


TITLE: Refresh Roof Existing Trapezoidal Profile  
 DWG NO: RR/T/32  
 DRAWN: EP  
 CHECK: PCL  
 DATE: Aug 2017  
 SCALE: NTS

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To be read in conjunction with Refresh guidance and specification documents



Refresh Roof Trapezoidal Existing with Trapezoidal Outer Sheet				
Bracket Height*	Insulation Thickness*	Insulation Value	U Value at 1.5M Centres	Nominal Weight/M <sup>2</sup> From top of existing*
120mm Quattro	120mm	0.040	0.57	9.40
220mm Quattro	220mm	0.040	0.25	10.71
300mm Quattro	300mm	0.040	0.17	11.76

\* Based upon a 40mm existing profile

Quattro spacer system fixed directly to existing spacer is dependant on existing profile trough dimension and support spacer bearer width. Tophats may be required if existing profile or support spacer are too small. They may also be utilised to reduce span for new profile sheet if required.

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**SIDE LAP DETAIL**

Fixings in alternate troughs on intermediate supports and in all troughs at sheet ends & end laps

Stitcher at 450mm centres

6 x 5 class A butyl

Euroclad 32/1000 1F 0.7mm steel as standard.

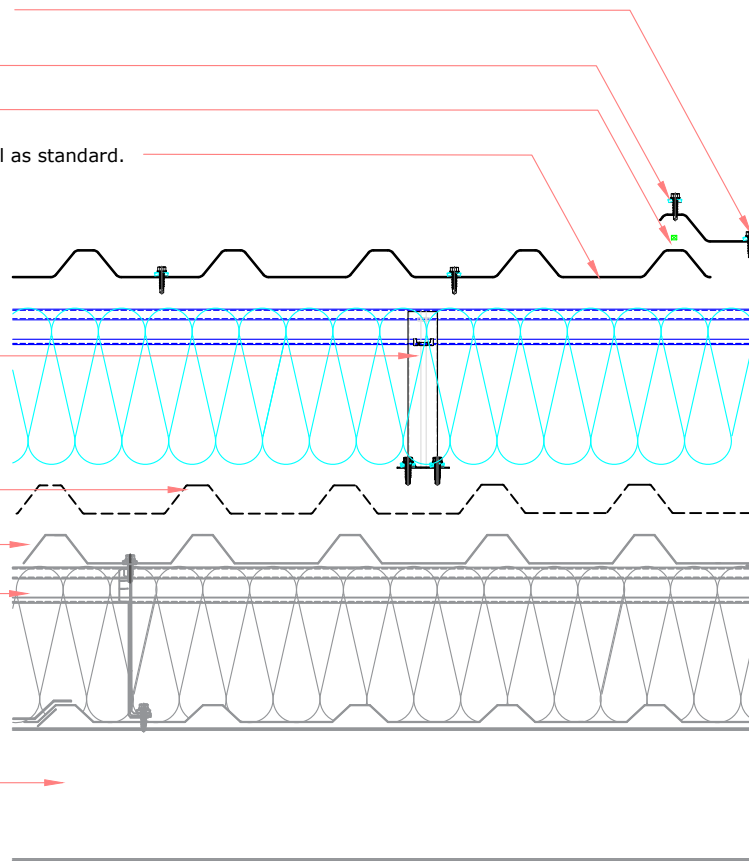
Quattro bar & bracket to required depth typically @ max 1.2m centres.

Elite VCL, alternatively existing profile can be fully sealed

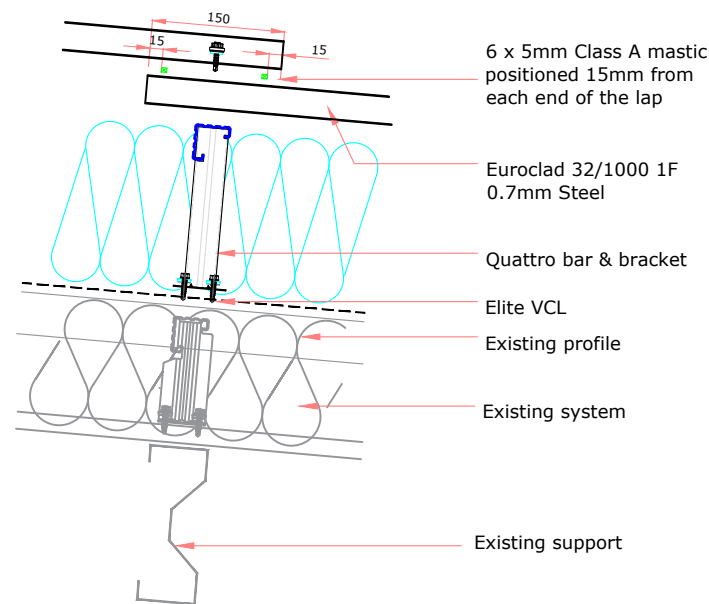
Existing profile

Existing spacer  
 Minimum 40mm bearer width  
 Minimum 1.5mm-3mm gauge  
 Structural engineer to confirm if existing can accommodate new

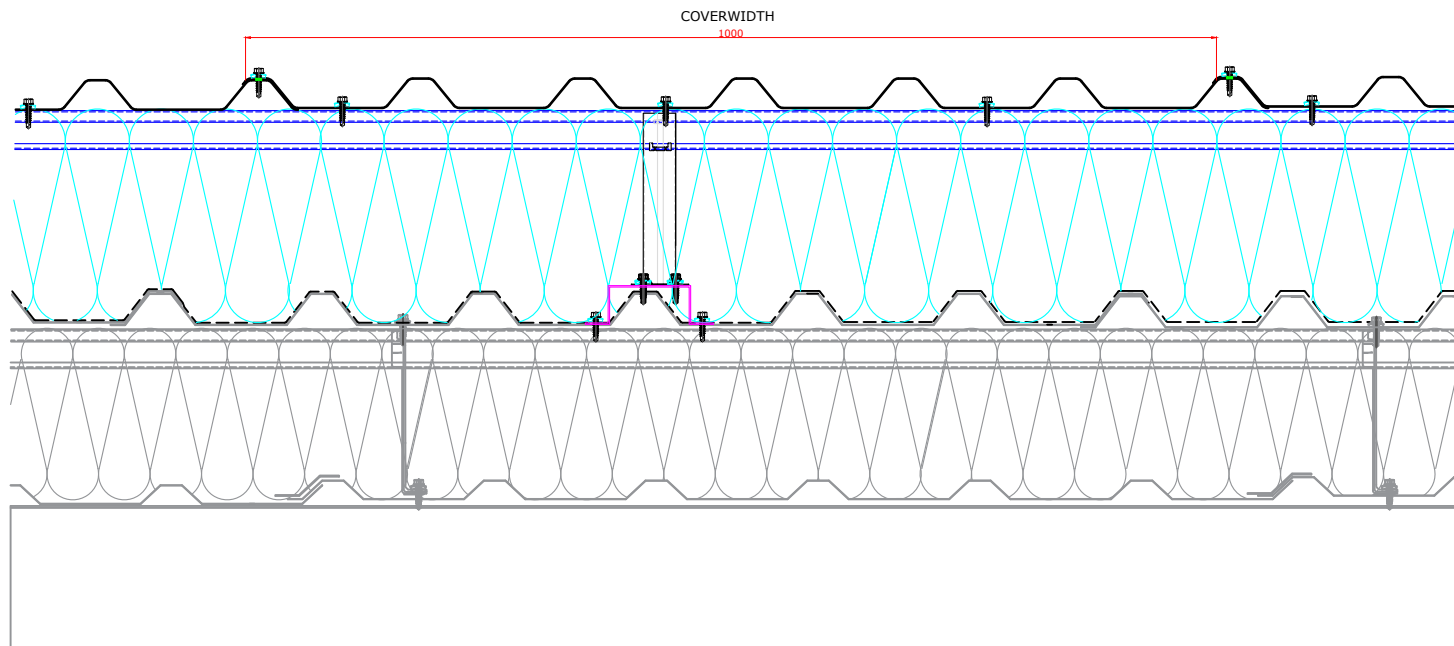
Existing structure



**END LAP DETAIL**



32\_1000\_1F 0.7 Steel Outer Sheet side lap detail



Refresh Roof Trapezoidal Existing with Trapezoidal Outer Sheet					
Bracket Height	Continuous Tophat Height	Insulation Thickness*	Insulation Value	U Value at 1.5M Centres	Nominal Weight/M <sup>2</sup> From top of existing*
80mm Quattro	≥ to existing profile height	120mm	0.040	0.57	10.90
180mm Quattro	≥ to existing profile height	220mm	0.040	0.25	12.21
260mm Quattro	≥ to existing profile height	300mm	0.040	0.17	13.26

\* Based upon a 40mm high 1.5mm Galv continuous tophat

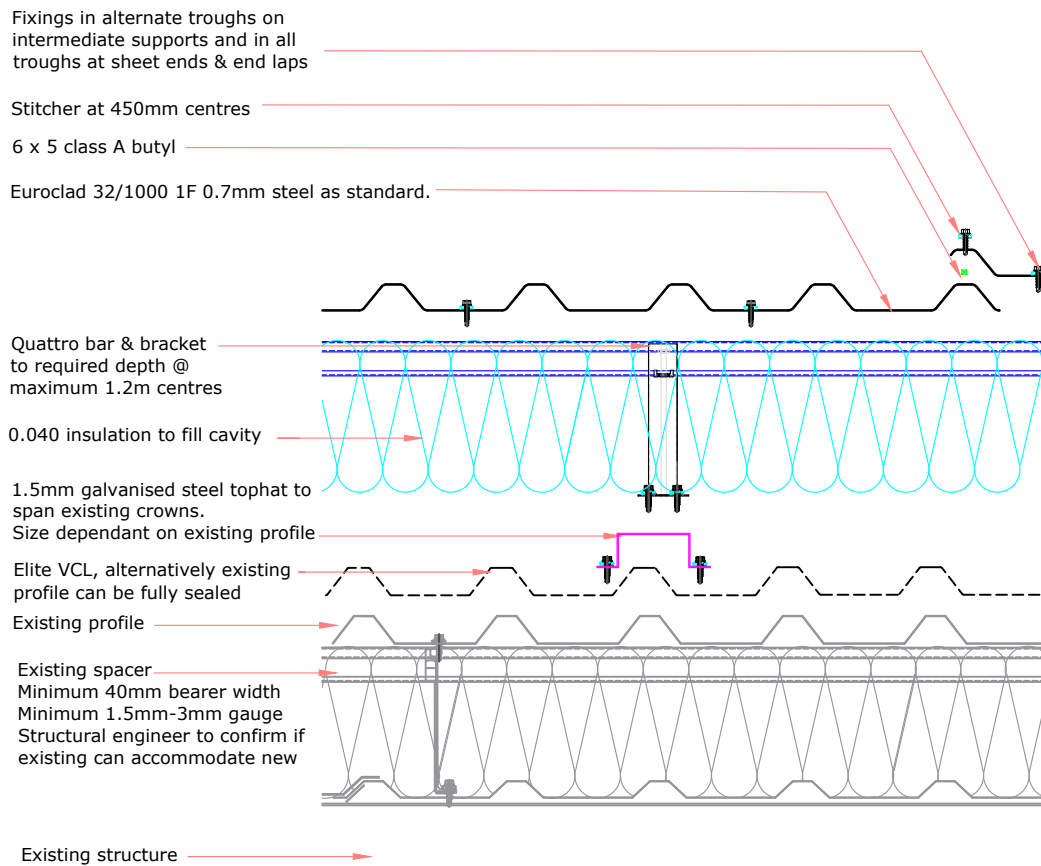
Quattro spacer system fixed directly to tophat.  
Tophat is then fixed to existing spacer with sizing dependant on existing profile.  
Tophats may be required if existing profile or support spacer are too small.  
They may also be utilised to reduce span for new profile sheet if required.

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DWG NO: RR/T/32  
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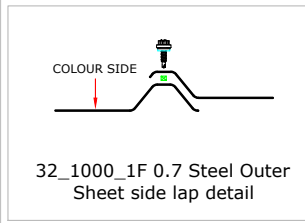
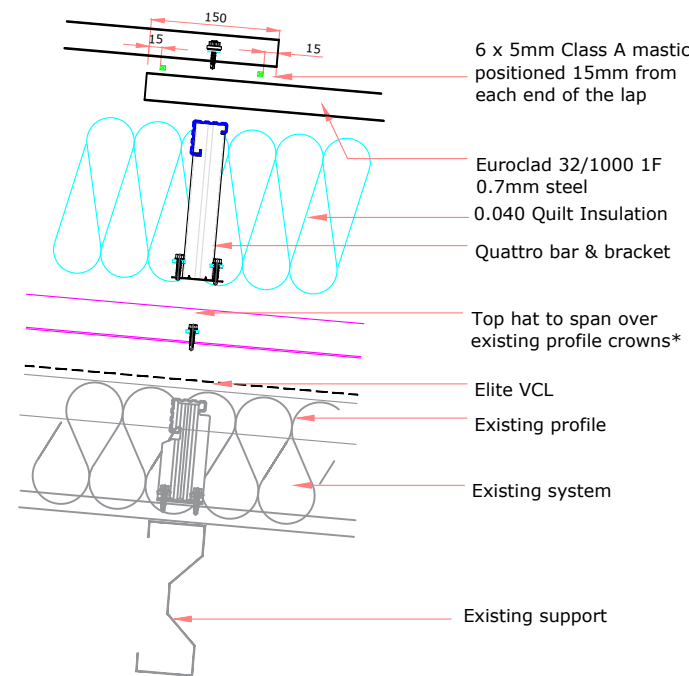
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**SIDE LAP DETAIL**



**END LAP DETAIL**



\*Tophats may be fitted in continuous runs (to allow adjustment of upslope Quattro rail centres). In such cases 1.5mm galv splice connections are required where tophat ends land > 300mm from existing supports and Quattro bracket lands on cantilevered length. Tophats can have a minimum length of 150mm but this is dependant on suitability and loading.

# EUROCLAD 32 / 1000 1F 0.7mm EXTERNAL SHEET

**EUROCLAD**

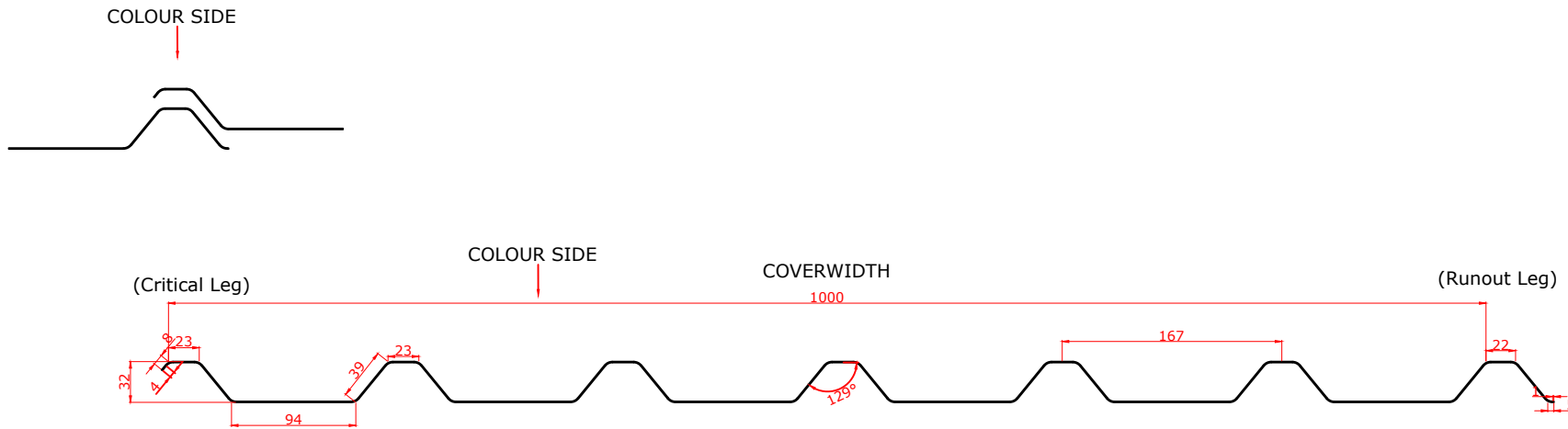
www.euroclad.com  
Tel: +44 (0)2922 010 101  
Fax: +44 (0)2922 010 122

**r**efresh

TITLE: Refresh Roof Existing  
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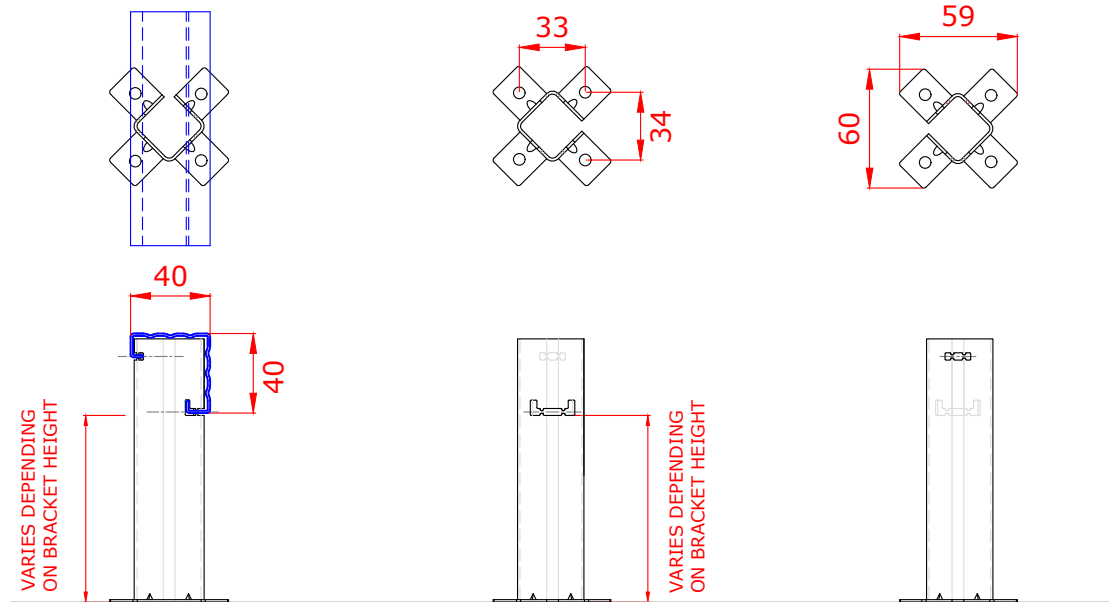
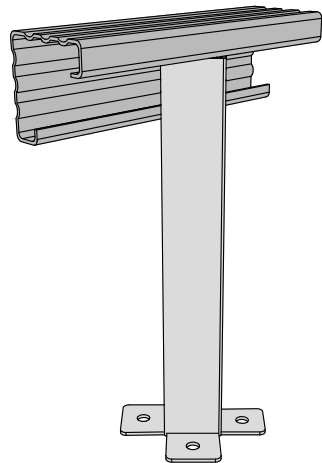
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Brackets less than 260mm require 2 fixings diagonally opposite.  
 Brackets 260mm or more require 4 fixings.

