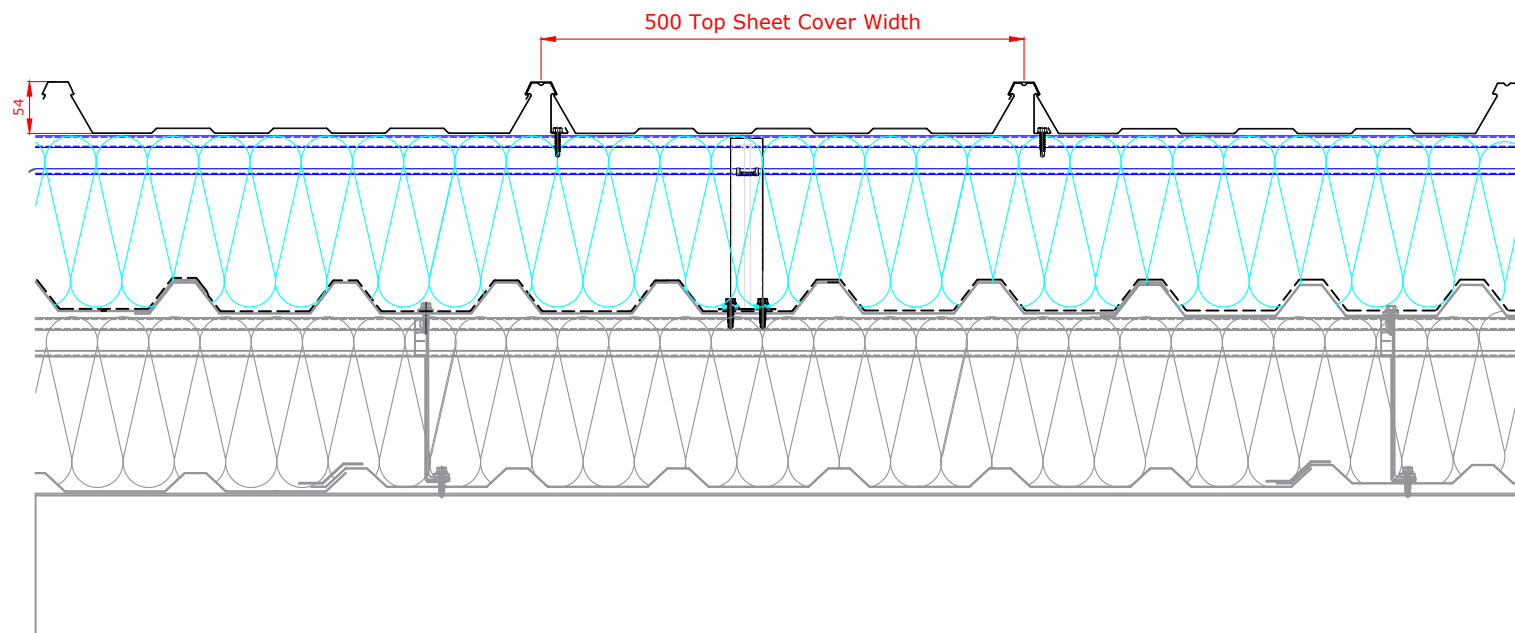


TITLE: Refresh Roof Existing Trapezoidal Profile with SF500  
DWG NO: RR/T/SF  
DRAWN: EP  
CHECK: PCL  
DATE: Aug 2017  
SCALE: NTS

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To be read in conjunction with Refresh guidance and specification documents



Refresh Roof Trapezoidal Existing with SF500 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.

TITLE: Refresh Roof Existing Trapezoidal Profile with SF500  
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**SIDE LAP DETAIL**

Euroclad SF500 0.7 Steel

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

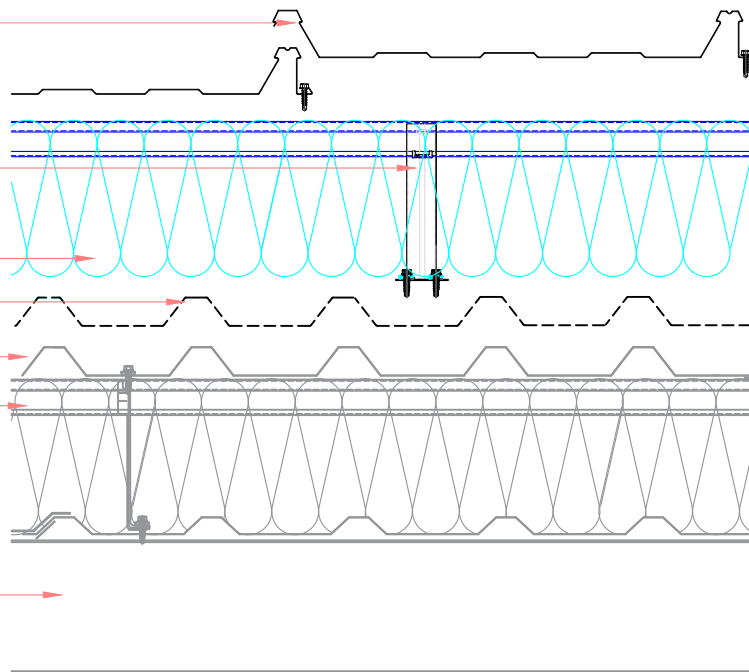
0.040 Insulation to fill cavity

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



**SECTION THROUGH LENGTH**

TOP SHEET DOES NOT END LAP

Euroclad SF500 0.7 Steel Continuous sheet

0.040 Quilt Insulation

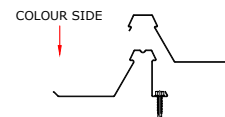
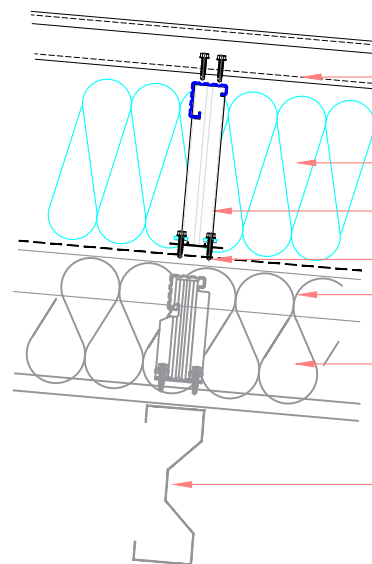
Quattro bar & bracket

Elite VCL

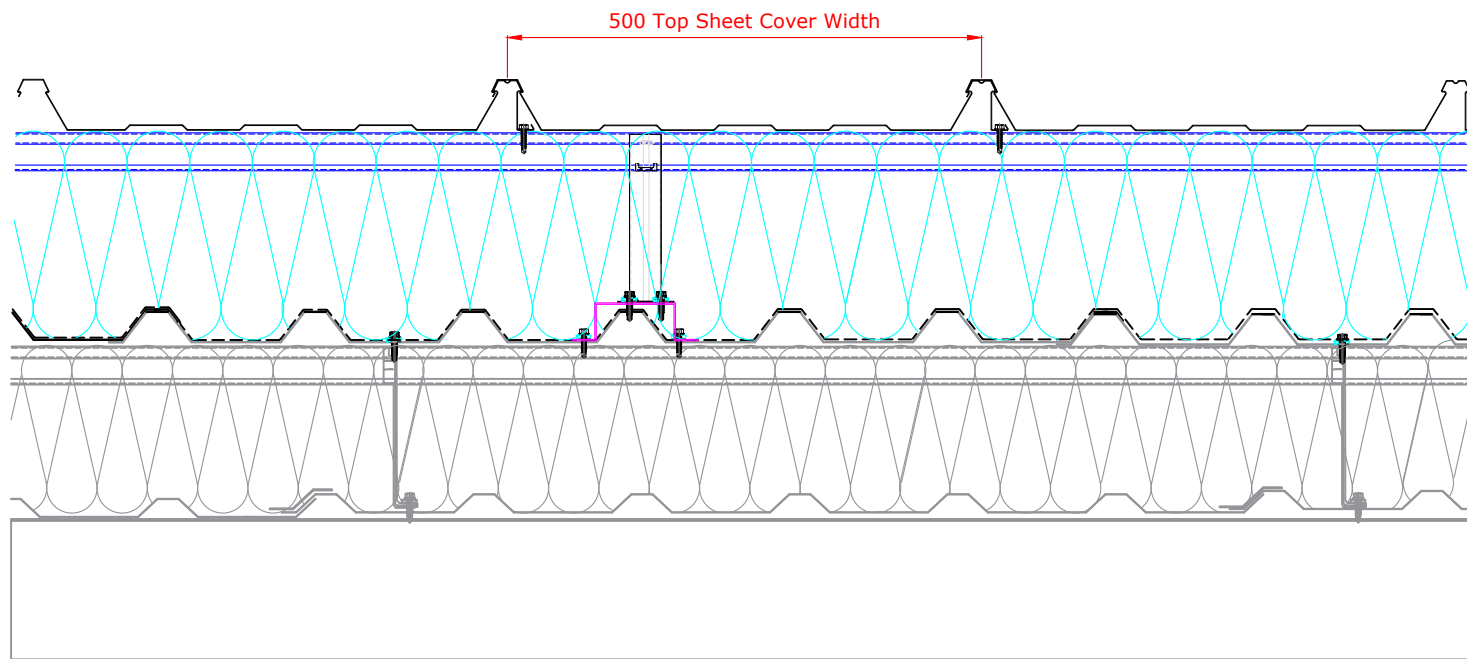
Existing profile

Existing system

Existing support



SF500 0.7 Steel Outer Sheet side lap detail



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**Refresh Roof Trapezoidal Existing with SF500 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

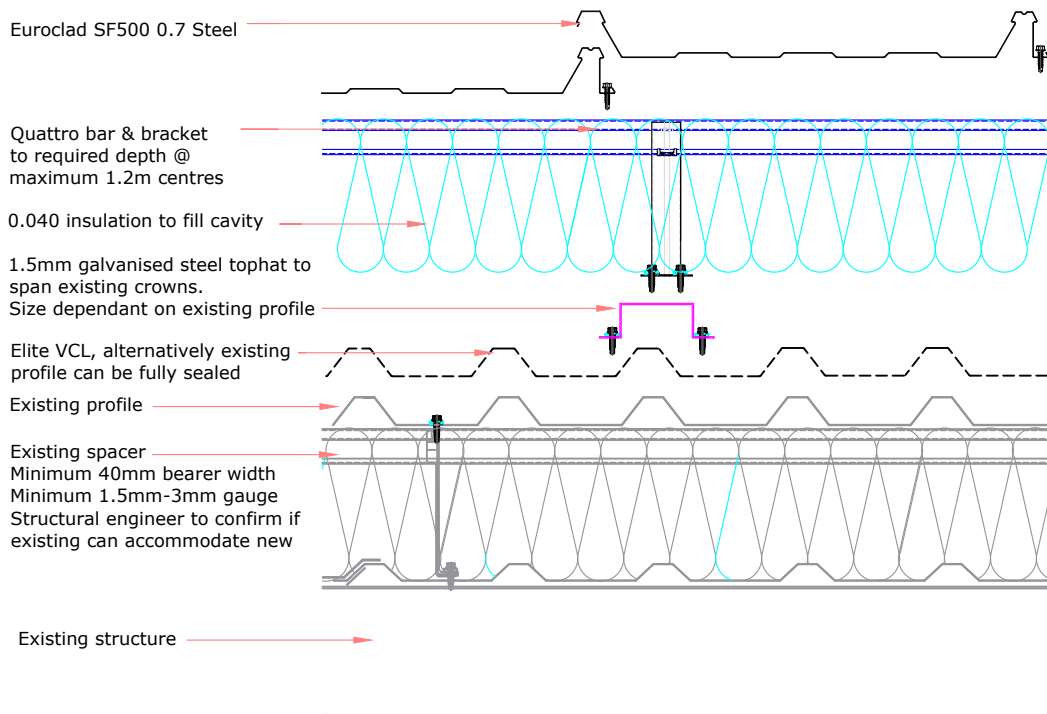
Quattro spacer system fixed directly to tophat.  
Tophat is then fixed to existing spacer with sizing dependant on existing profile.  
Tophats may be required if existing profile or support spacer are too small.  
They may also be utilised to reduce span for new profile sheet if required.

TITLE: Refresh Roof Existing Trapezoidal Profile with SF500  
DWG NO: RR/T/SF  
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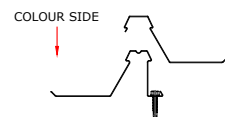
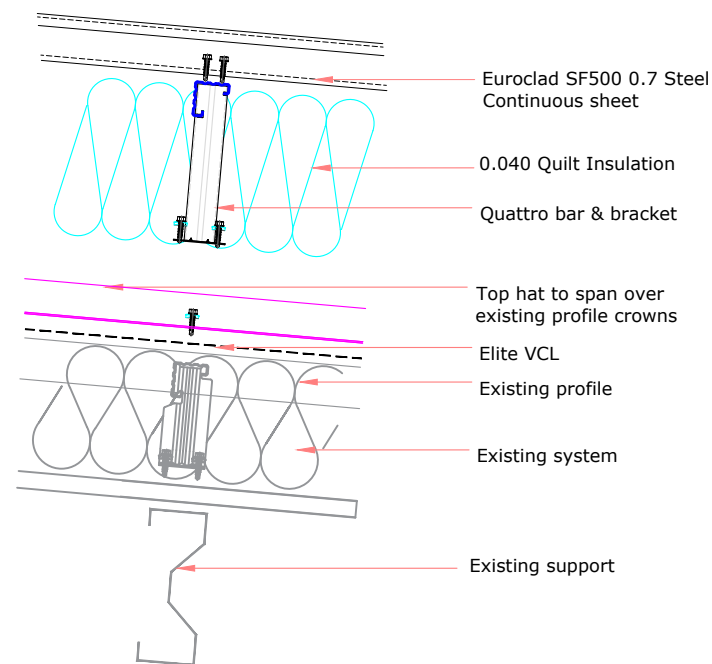
To be read in conjunction with Refresh guidance and specification documents

**SIDE LAP DETAIL**



**SECTION THROUGH LENGTH**

TOP SHEET DOES NOT END LAP



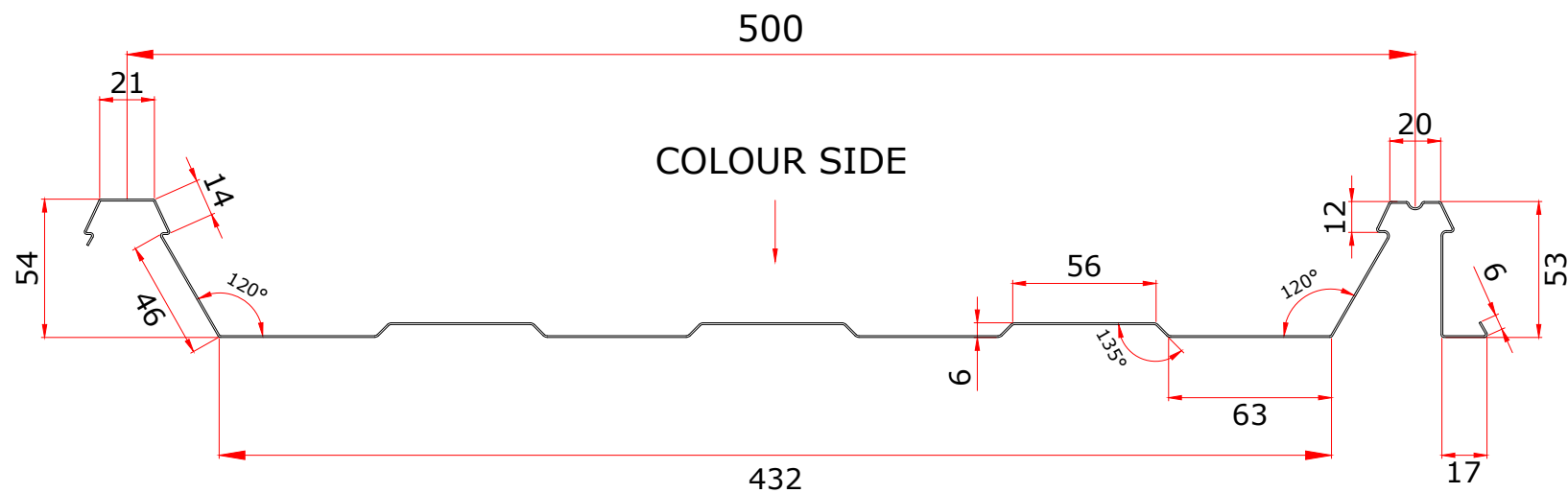
SF500 0.7 Steel Outer Sheet side lap detail

\*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 SECRET FIX SF500 0.7mm EXTERNAL SHEET**TITLE: Refresh Roof Existing  
Trapezoidal Profile with SF500  
DWG NO: RR/T/SF  
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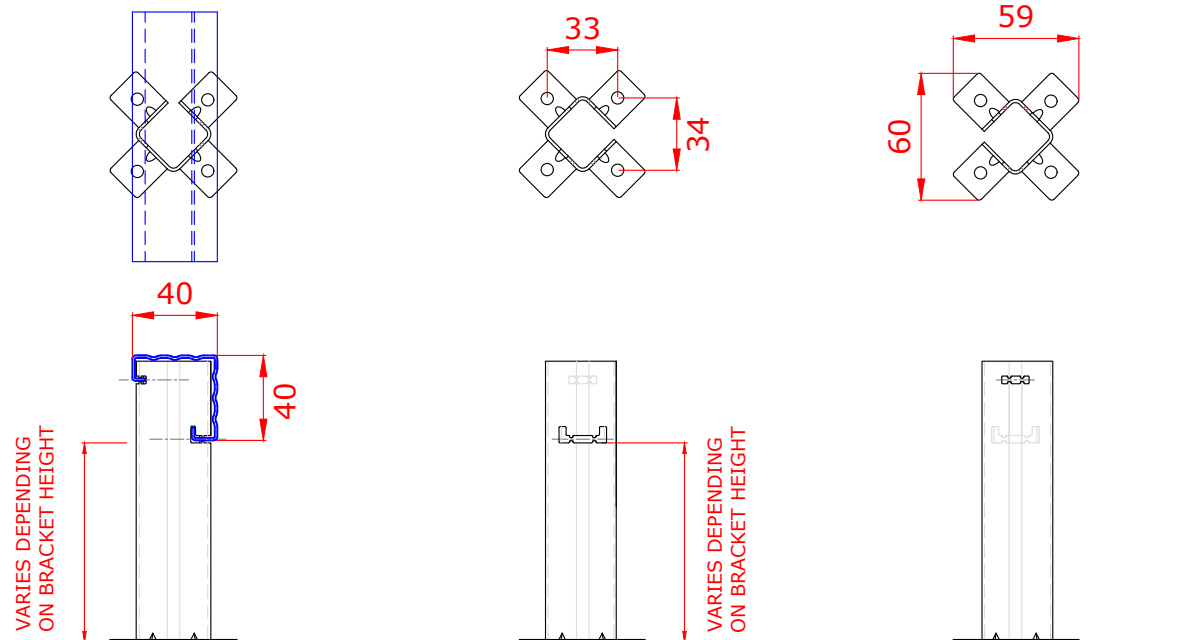
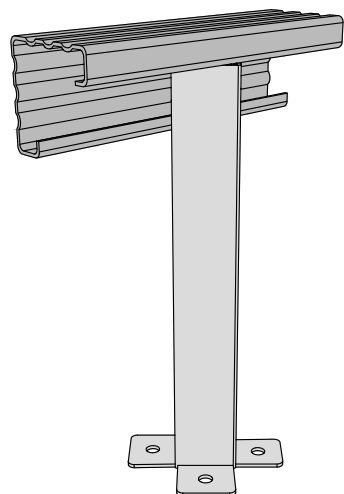
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Brackets less than 260mm require 2 fixings diagonally opposite.  
 Brackets 260mm or more require 4 fixings.

