

ELITE SYSTEMS



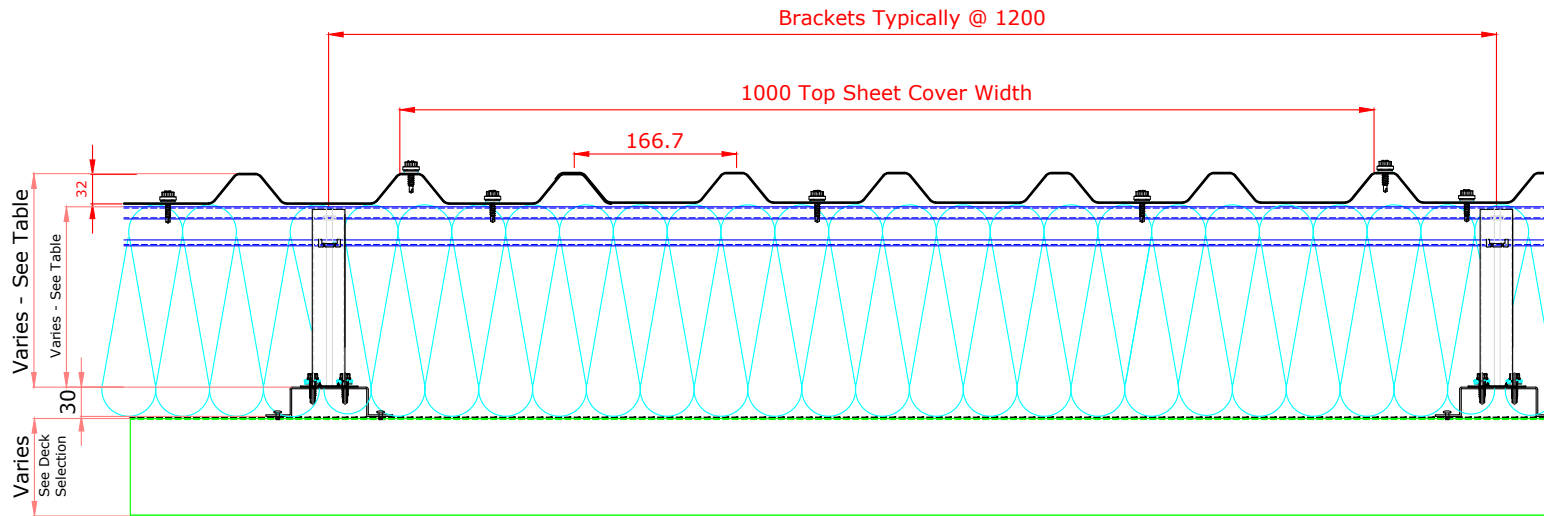
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TITLE: Elite System 7
 DWG NO: E7
 DRAWN: MP
 CHECK: PCL
 DATE: Feb 19
 SCALE: NTS

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See drawing number FR16 for non-fragile fixing requirements

To be read in conjunction with Elite System specification documents



Elite System 7

Bracket Height	Tophat Size	Cavity Depth	Insulation Thickness	Insulation Value	System Depth Excluding deck	U Value at 1.5M Centres	Nominal Weight/M ²	
							Kn 40	RW
140mm	30mm	170mm	170*/180mm	0.040 λ	202mm	0.25	11.60 kg/m ²	14.30 kg/m ²
220mm	30mm	250mm	250mm*/260mm	0.040 λ	282mm	0.17	12.53 kg/m ²	16.28 kg/m ²
240mm	30mm	270mm	270mm*/280mm	0.040 λ	302mm	0.16	12.91 kg/m ²	16.84 kg/m ²
260mm	30mm	290mm	300mm	0.040 λ	322mm	0.15	13.17 kg/m ²	17.67 kg/m ²

* Rockwool Cladding Roll only

Weight does not include Deck
 Other u-values by request

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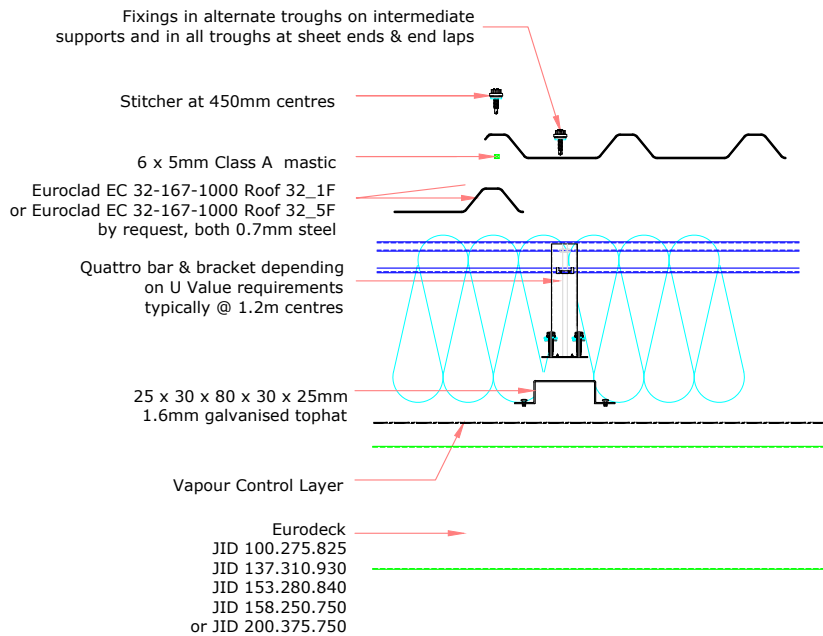
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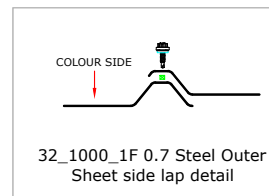
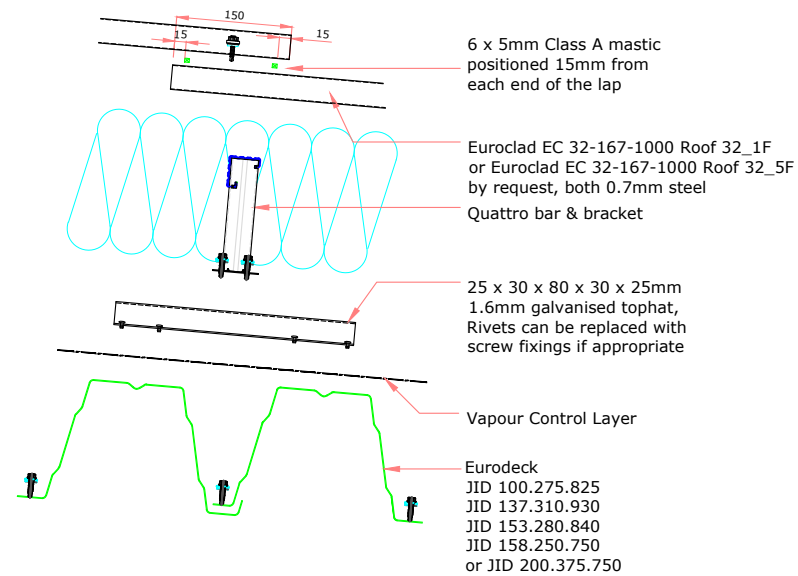
To be read in conjunction with Elite System specification documents

ELITE SYSTEM 7 SIDE LAP DETAIL



Tophat fixings
 Rivets are recommended for gauges \geq 0.7mm - 1.25mm
 Self drilling screws recommended for gauges \geq 1.25mm
 Screw fixings specified for tophats can be replaced with rivets if required for aesthetics.
 Rivets for illustration only.

ELITE SYSTEM 7 END DETAIL



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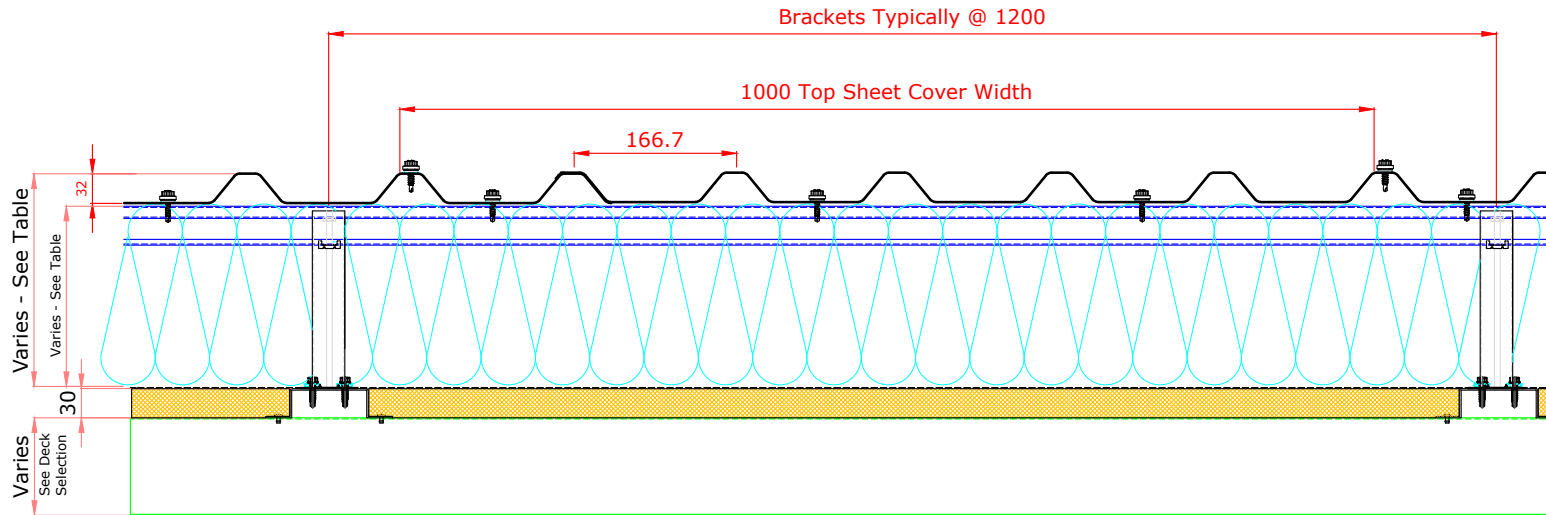
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To be read in conjunction with Elite System specification documents



Elite System 7 A1

Bracket Height	Tophat Size	Cavity Depth	Insulation Thickness	Insulation Value	System Depth Excluding deck	U Value at 1.5M Centres	Nominal Weight/M ² #	
							Kn 40	RW
140mm	30mm	170mm	150*/140 + 30mm	0.040 λ	224mm	0.25	11.60 kg/m ²	14.30 kg/m ²
220mm	30mm	250mm	220mm + 30mm	0.040 λ	304mm	0.17	12.53 kg/m ²	16.28 kg/m ²
240mm	30mm	270mm	240mm + 30mm	0.040 λ	324mm	0.16	12.91 kg/m ²	16.84 kg/m ²
260mm	30mm	290mm	260mm + 30mm	0.040 λ	344mm	0.15	13.17 kg/m ²	17.67 kg/m ²

* Rockwool Cladding Roll only

Weight does not include Deck

The Elite A1 systems onto structural deck achieve a **Class D** sound absorption performance.

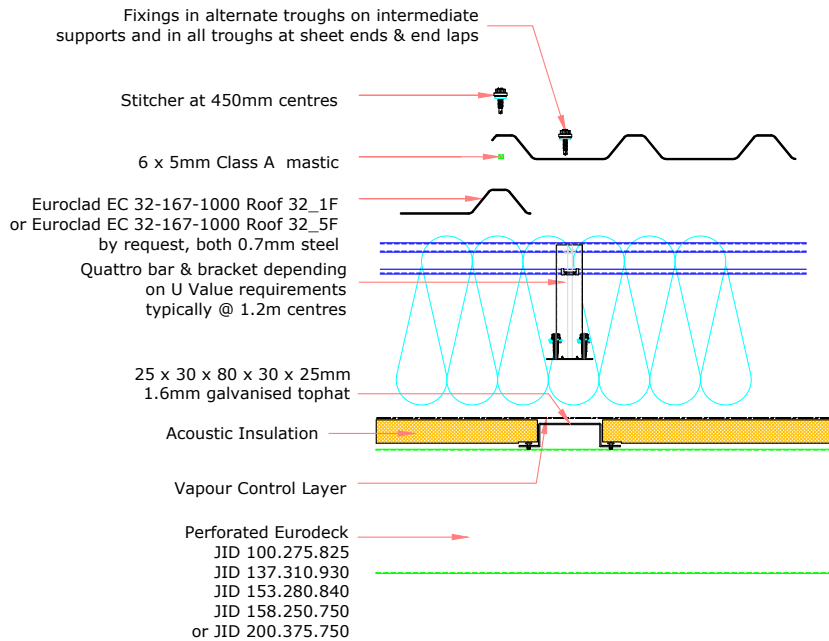
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See drawing number FR16 for non-fragile fixing requirements

To be read in conjunction with Elite System specification documents

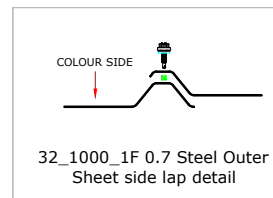
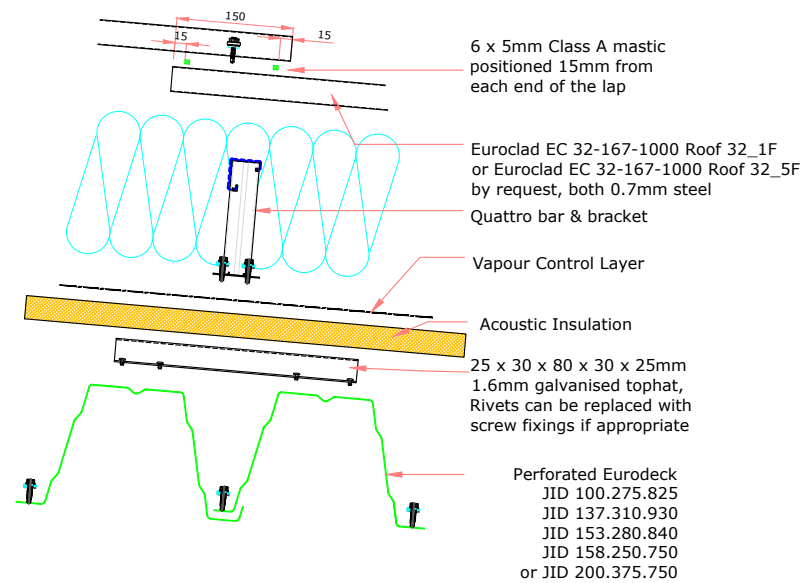
ELITE SYSTEM 7 A1 SIDE LAP DETAIL



Tophat fixings

Rivets are recommended for gauges $\geq 0.7\text{mm} - 1.25\text{mm}$
Self drilling screws recommended for gauges $\geq 1.25\text{mm}$
Screw fixings specified for tophats can be replaced with rivets if required for aesthetics.
Rivets for illustration only.

ELITE SYSTEM 7 A1 END DETAIL



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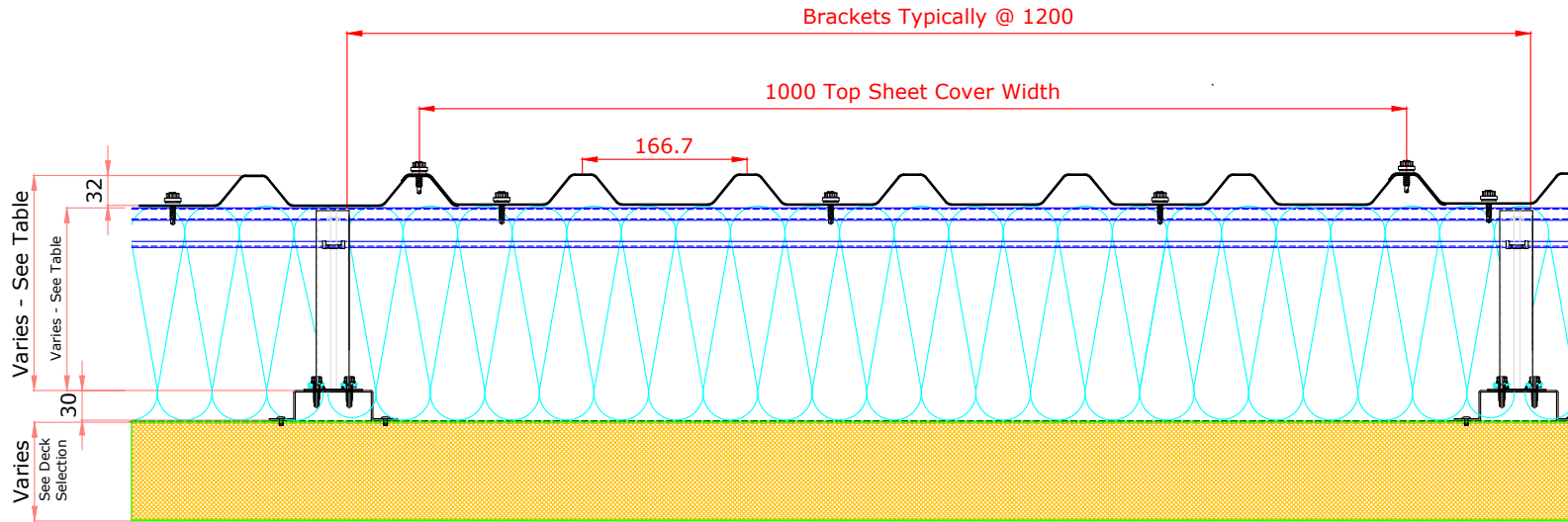
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See drawing number FR16 for non-fragile fixing requirements

To be read in conjunction with Elite System specification documents



Elite System 7 A2

Bracket Height	Tophat Size	Cavity Depth	Insulation Thickness	Insulation Value	System Depth Excluding deck	U Value at 1.5M Centres	Nominal Weight/M ²	
							Kn 40	RW
140mm	30mm	170mm	170*/180mm	0.040 λ	202mm	0.25	17.04 kg/m ²	20.01 kg/m ²
220mm	30mm	250mm	250mm*/260mm	0.040 λ	282mm	0.17	17.93 kg/m ²	22.22 kg/m ²
240mm	30mm	270mm	270mm*/280mm	0.040 λ	302mm	0.16	18.15 kg/m ²	22.77 kg/m ²
260mm	30mm	290mm	300mm	0.040 λ	322mm	0.15	18.37 kg/m ²	23.32 kg/m ²

* Rockwool Cladding Roll only

Weight does not include Deck

Other u-values by request

The Elite A2 systems onto structural deck achieve a **Class C** sound absorption performance.

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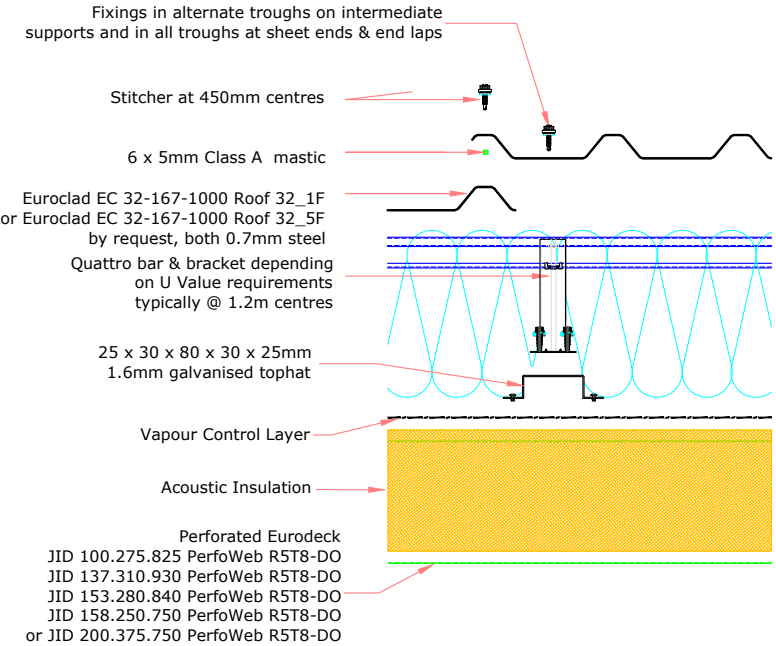
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See drawing number FR16 for non-fragile fixing requirements

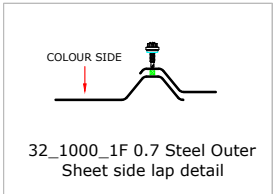
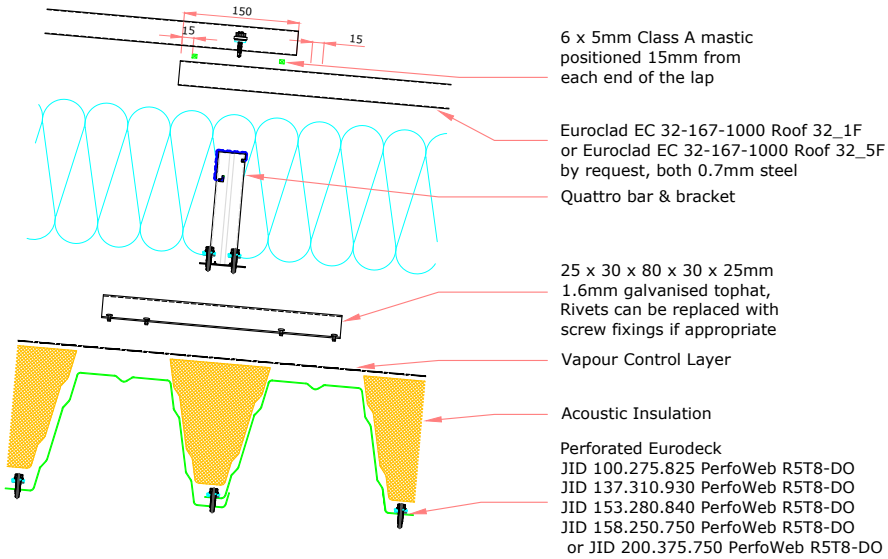
To be read in conjunction with Elite System specification documents

ELITE SYSTEM 7 SIDE LAP DETAIL



Tophat fixings
 Rivets are recommended for gauges $\geq 0.7\text{mm} - 1.25\text{mm}$
 Self drilling screws recommended for gauges $\geq 1.25\text{mm}$
 Screw fixings specified for tophats can be replaced with rivets if required for aesthetics.
 Rivets for illustration only.

ELITE SYSTEM 7 END DETAIL

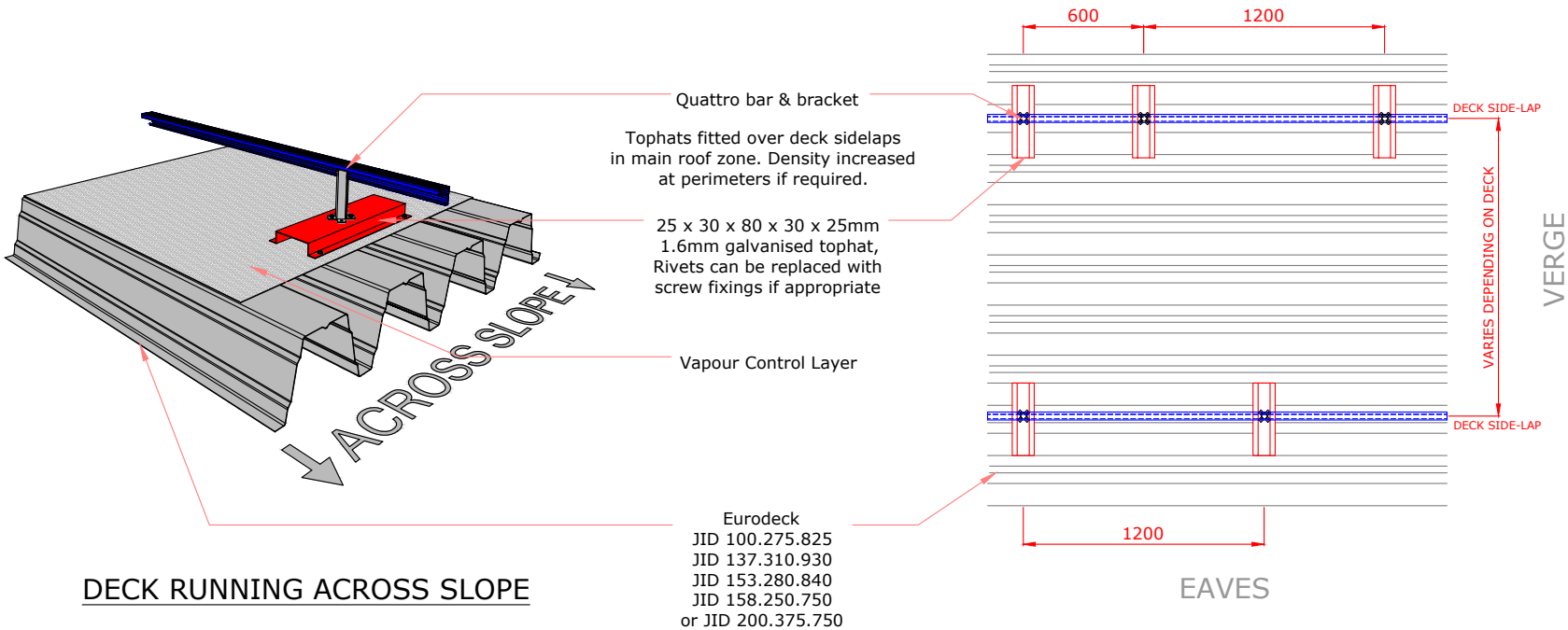


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See drawing number FR16 for non-fragile fixing requirements

To be read in conjunction with Elite System specification documents

The distributed load from the external sheet is transferred through the spacer system and tophats to the deck. The tophats as illustrated allow the load to be distributed to each and every deck sheet, avoiding any 1 sheet taking all of the load. It also allows spacer rails to be fitted to the deck in straight rows (rather than diagonal). The use of tophats c400mm long allows for ease of installation on curved roofs. In most cases the maximum spacing achieved will not cause any issues for the external sheet load/span capacity. However, some deck sheets with larger widths will result in centres which may become problematic for the external sheet span ie 1120 wide deck giving centres of 2.240M. In such cases other deck profiles should be considered or the use of longer tophats to allow closer centres for the spacer rails to be achieved. In all cases the external sheet load should be distributed to all deck sheets.



Tophat and Rail centres Upslope determined by loadings and deck cover-width. Typically fixed on each deck sheet for approx 2M from eaves & ridge line and then straddling the deck sidelap in main roof zones at 2 x deck coverwidth. Tophat/Bracket centres along rail determined by loading but typically at 1.2M

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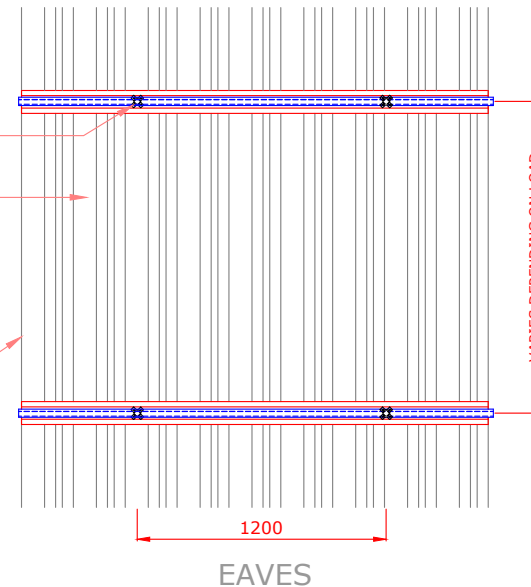
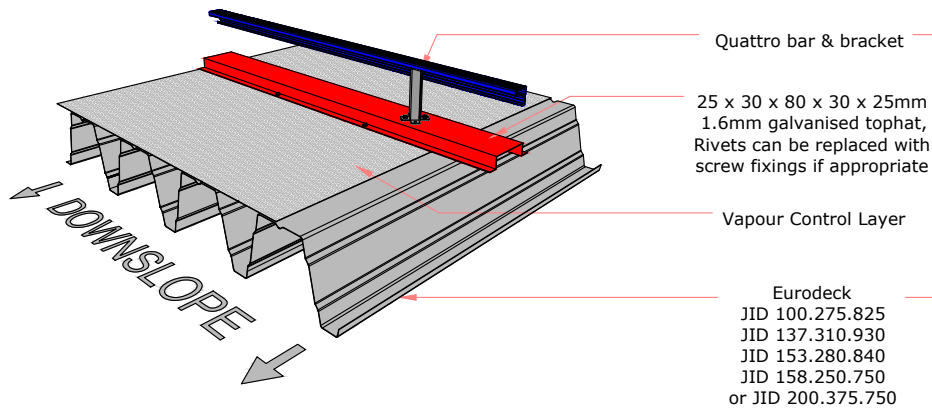
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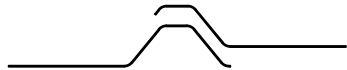
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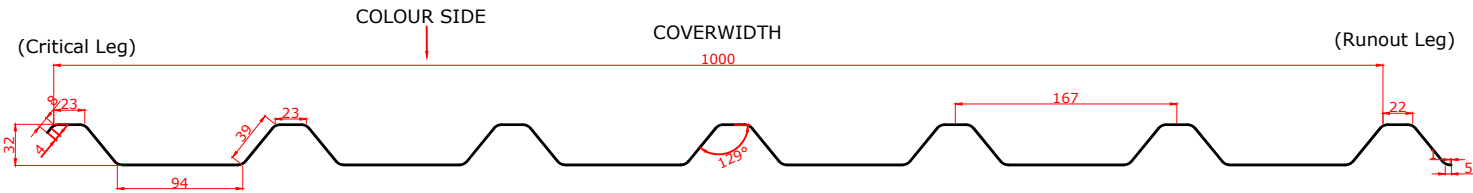
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COLOUR SIDE

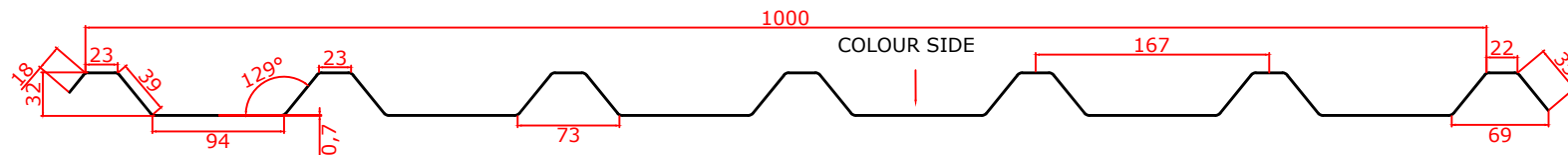


EUROCLAD EC 32-167-1000 Roof 32_1F 0.7mm



EUROCLAD EC 32-167-1000 Roof 32_5F 0.7mm

COLOUR SIDE



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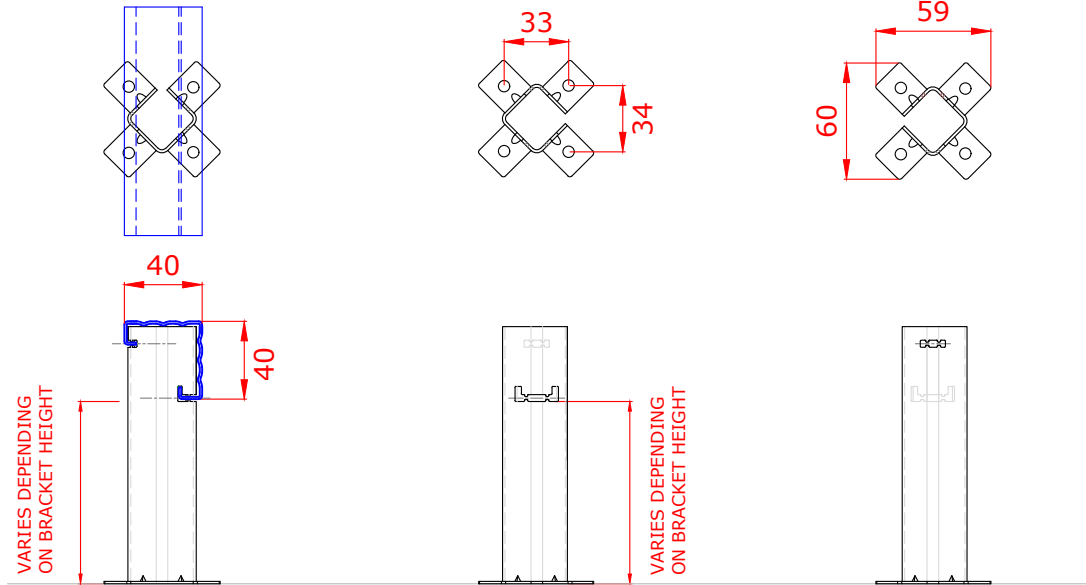
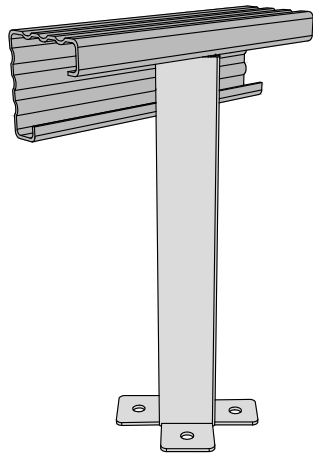
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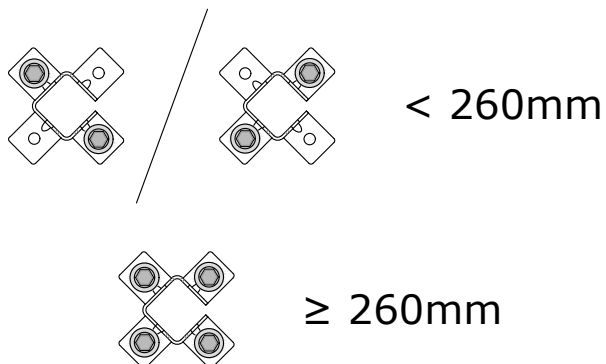
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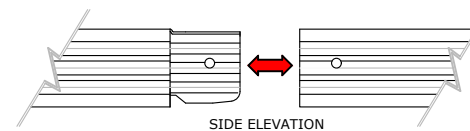
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Brackets less than 260mm require 2 fixings diagonally opposite.
Brackets 260mm or more require 4 fixings.



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



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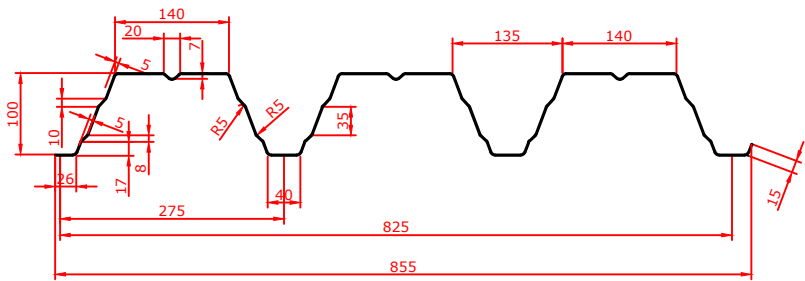
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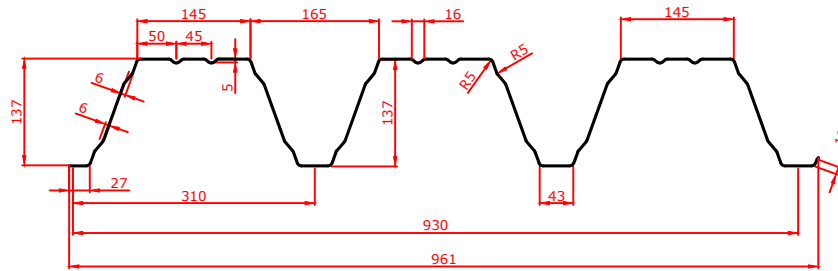
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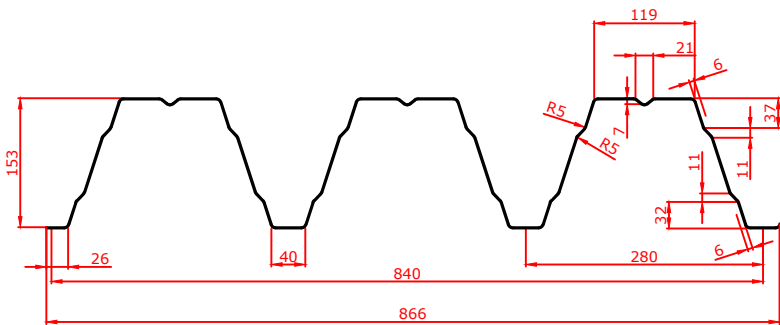
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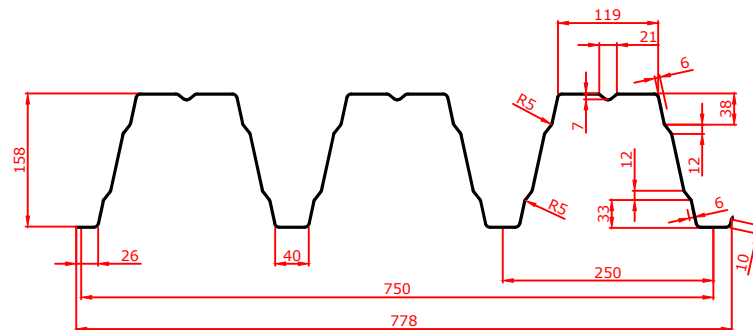
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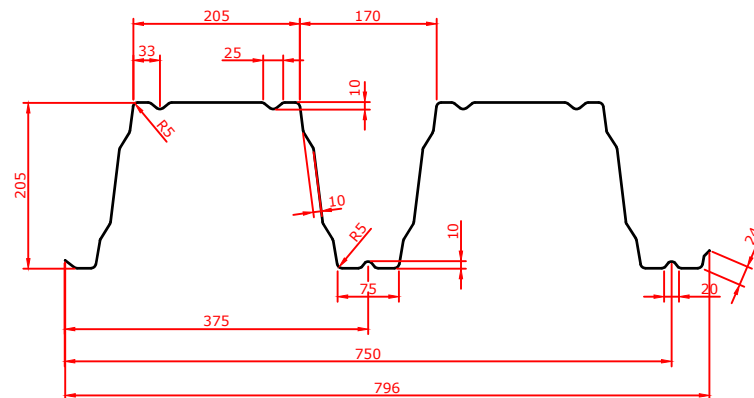
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