Facade System



Ventilated facade

EL-SB-RP

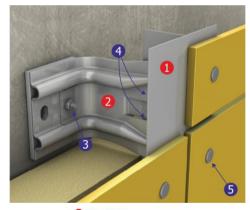
Elemental-SFS Bracket-Rivet Petrarch

Contents:

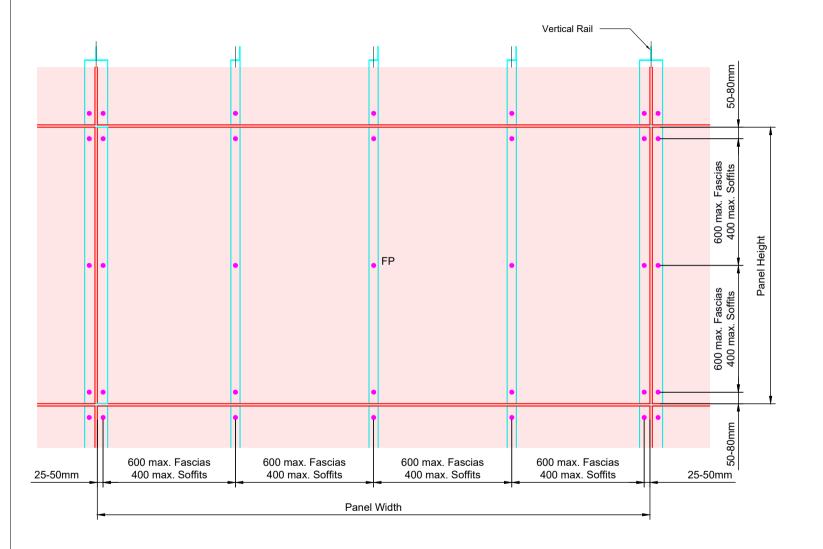
EL-SB-RP01 SYSTEM LAYOUT EL-SB-RP02 **BRACKET TYPES AVAILABLE** EL-SB-RP03 BASE DETAIL EL-SB-RP04 HORIZONTAL PANEL JOINT DETAIL EL-SB-RP05 VERTICAL PANEL JOINT DETAIL EL-SB-RP06 INTERMEDIATE SUPPORT DETAIL EL-SB-RP07 **BUILDING STRUCTURAL MOVEMENT JOINT** EL-SB-RP08 **EXTERNAL CORNER DETAIL** EL-SB-RP09 INTERNAL CORNER - OPEN JOINT OPTION EL-SB-RP10 GENERIC PARAPET DETAIL EL-SB-RP11 WINDOW CILL DETAIL EL-SB-RP12 WINDOW HEAD DETAIL EL-SB-RP13 WINDOW JAMB REVEAL DETAIL

Petrarch, Reconstituted Stone

7mm or 10mm Petrarch thickness Face Fix onto 1-layer Metal substructure



- 1 'L' or 'T' Rail
- 2 Support Bracket
- Bracket to W
- 3 Bracket to Wall Fixings/Anchors4 Rail to Bracket Fixings
- 5 Colour Coordinated Rivets



Face Fixing Guidelines

- Panels should be drilled with one fixed point nearest to the centre of the panel (FP - 4.9mm) and all others as sliding points (SP-9.5mm).
- Holes in the subframe should all be drilled 4.9mm using a centralising tool.
- Rivets specification:
- 7mm Petrarch- Large flange AI or S/S Ø16mm Head 4.8x18mm (grip range 6.0:12.5mm)
- 10mm Petrarch Large flange Al or S/S Ø16mm Head 4.8x23mm (grip range 11.0:19.5mm)
- Rivets should always be installed using a Centralising Tool and a Special Nose Piece G3 Thread M10 x 1 16mm head allowing a 0.3mm clearance for stress free mounting of the Rivets.
- Centres of fixings shown are the absolute maximum. Project wind loads should be checked against load tables in the Petrarch Technical Guide.

Riven surface also requires the use of Black Rubber Gasket Washer 4.3x1x14 on the rivet.



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Drawing Title	SYSTEM LAYOUT							_
5 · T			ELE	EMENTAL	PETRAR	CH - F	ACE FI	X

EL-Rivet EL-SB-RP01 | System: Drawing No. Petrarch Size:

A4 Scale:

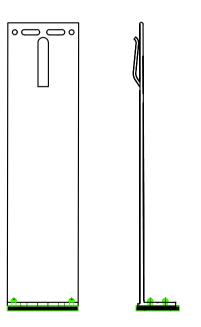
NTS Drawn: V.C.

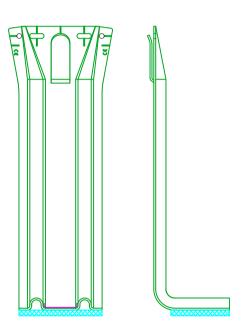
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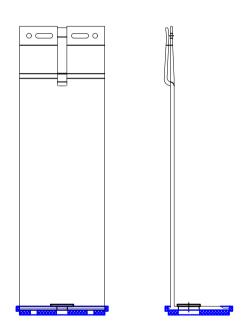
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BRACKET TYPES AVAILABLE FROM ELEMENTAL





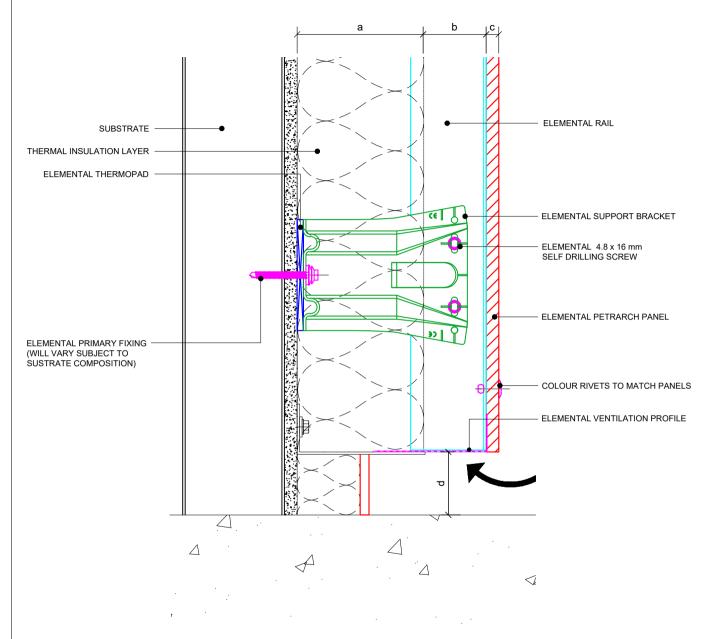




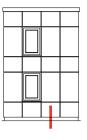
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Drawing Title			BRACI	KET TY	/PES	S AVAIL	ABLE				
Drawing No.	EL-SB-RP02	System:	EL-Rivet Petrarch	Size:	A4	Scale:	NTS	Drawn:	v.c.	Rev.	01

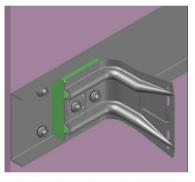


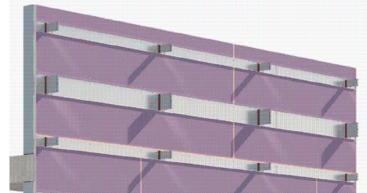
	Dimensions					
а	Insulation thickness (varies)					
b	Free vertical ventilation gap					
С	Panel nominal thickness					
d	Base distance - Minimum 50mm					
a+b	Clad Zone					



Note:

"In the event that the subframe brackets do not line up with the vertical steel studs a horizontal galvanised stud maybe required"





NTS Drawn: V.C.

Scale:

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Orawing Title		ELEMEN			RCH - ETAIL	FACE	FIX
	EL CR DDOO	EL-Rivet	6:	•			_

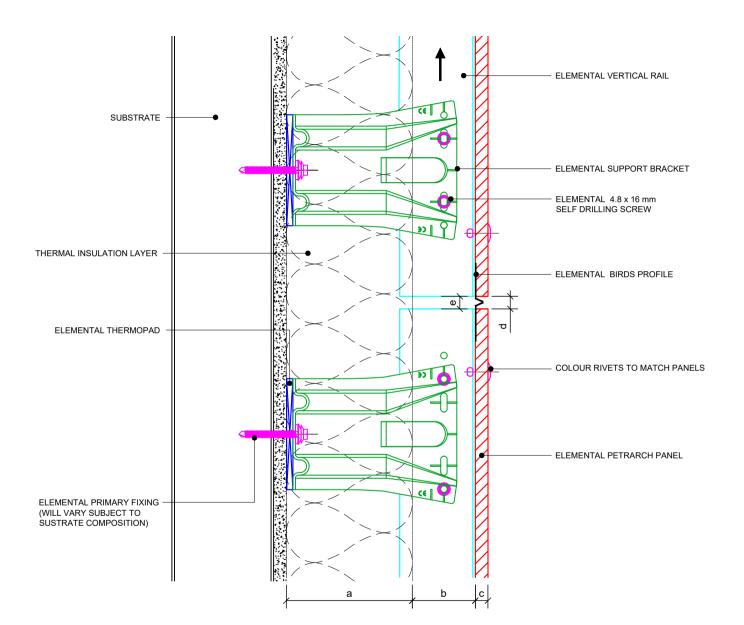
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EL-SB-RP03 System:

Drawing No.



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	Dimensions						
а	Insulation thickness (varies)						
b	Free vertical ventilation gap						
С	Panel nominal thickness						
d	Panel Joint - 10mm						
е	Rail Joint - Minimum 10mm (cladding panels should not be fixed to two adjacent vertical rails)						
a+b	Clad Zone						

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Rev.



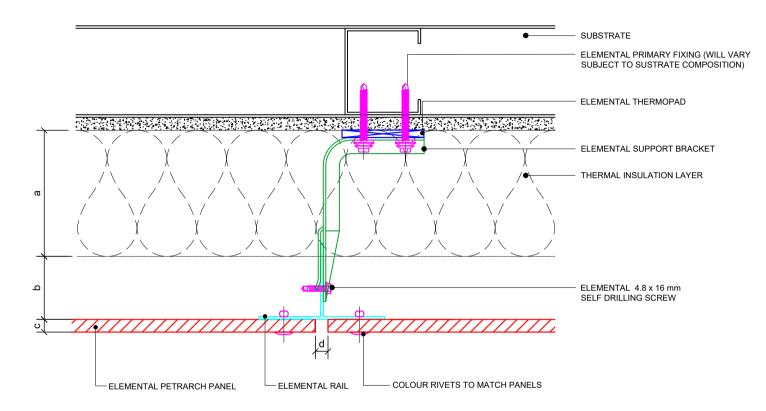
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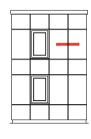
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Size:

EL-SB-RP04 | System: NTS Drawn: V.C. Drawing No. A4 Scale: Petrarch





	Dimensions
а	Insulation thickness (varies)
b	Free vertical ventilation gap
С	Panel nominal thickness
d	Panel Joint - 10mm
a+b	Clad Zone

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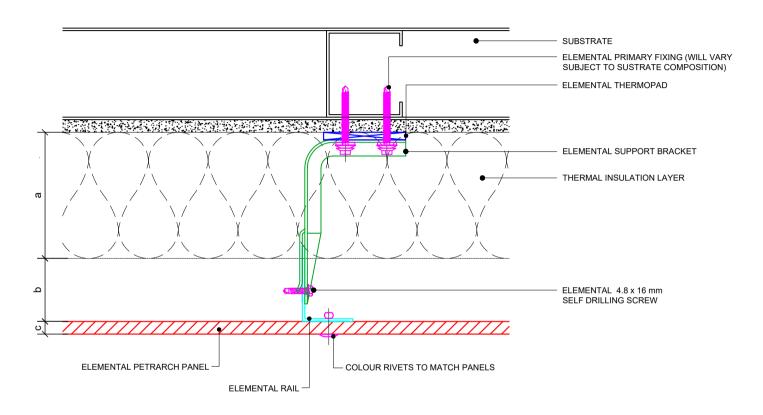
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Drawing Title		ELEMENTAL PETRARCH - FACE FIX VERTICAL PANEL JOINT DETAIL									
Drawing No.	EL-SB-RP05	System:	EL-Rivet Petrarch	Size:	A4	Scale:	NTS	Drawn:	v.c.	Rev.	



	Dimensions
а	Insulation thickness (varies)
b	Free vertical ventilation gap
С	Panel nominal thickness
a+b	Clad Zone

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Drawing Title		INTERN	

PETRARCH - FACE FIX NATE SUPPORT DETAIL

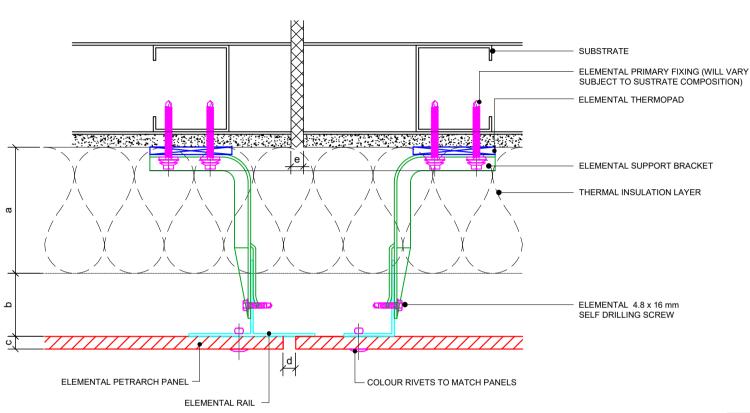
EL-Rivet EL-SB-RP06 | System: Drawing No. Petrarch Size: Α4

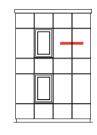
Scale:

NTS Drawn: V.C.

Rev.

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Dimensions							
а	Insulation thickness (varies)						
b	Free vertical ventilation gap						
С	Panel nominal thickness						
d	Panel Joint - 10mm / to match building movement joint						
е	Building Structural Movement Joint						
a+b	Clad Zone						



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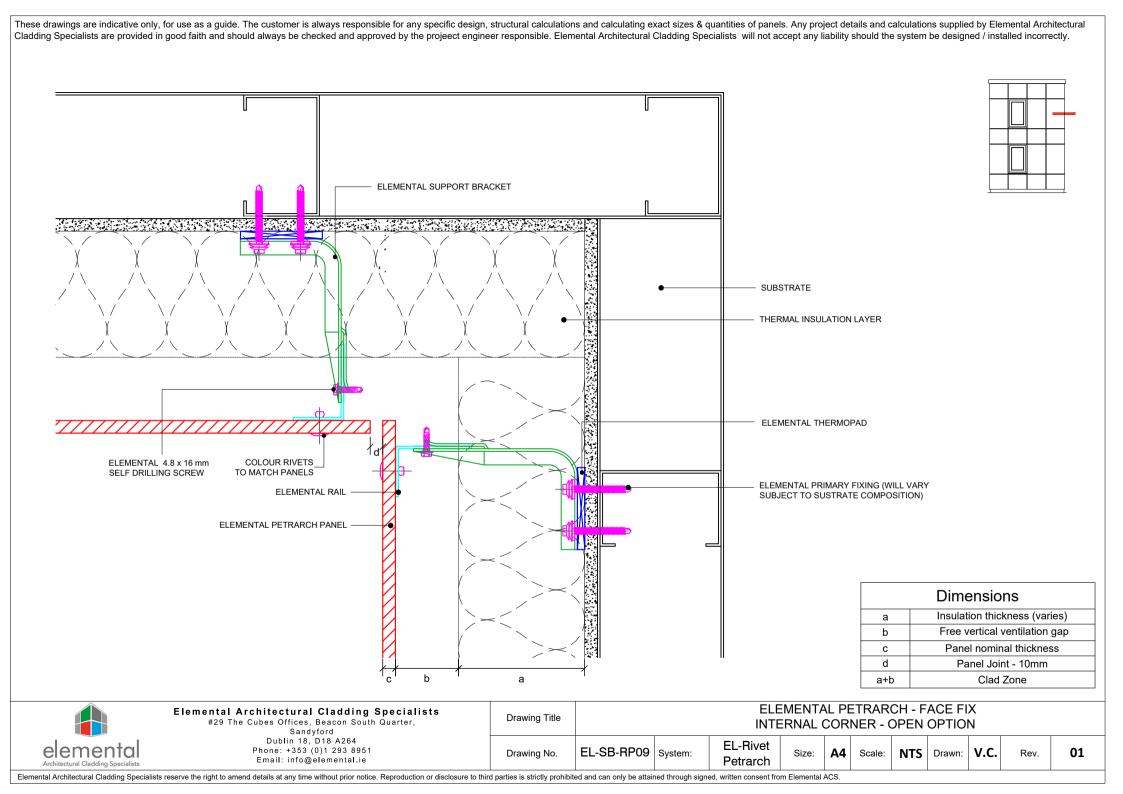
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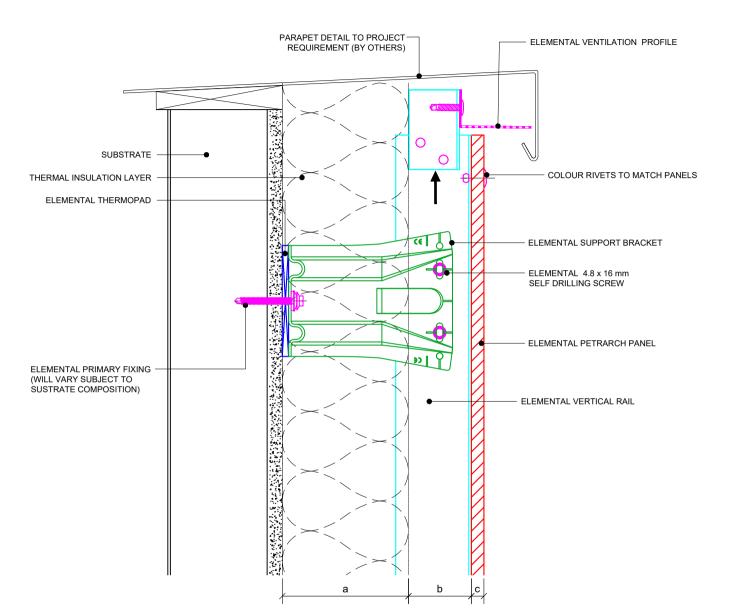
Drawing Title		ELEMENTAL PETRARCH - FACE FIX BUILDING STRUCTURAL MOVEMENT JOINT									
Drawing No.	EL-SB-RP07	System:	EL-Rivet	Size:	A4	Scale:	NTS	Drawn:	v.c.	Rev.	

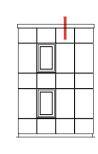
Petrarch

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These drawings are indicative only, for use as a guide. The customer is always responsible for any specific design, structural calculations and calculating exact sizes & quantities of panels. Any project details and calculations supplied by Elemental Architectural Cladding Specialists are provided in good faith and should always be checked and approved by the project engineer responsible. Elemental Architectural Cladding Specialists will not accept any liability should the system be designed / installed incorrectly. ELEMENTAL PETRARCH PANEL THERMAL INSULATION LAYER SUBSTRATE ELEMENTAL SUPPORT BRACKET ELEMENTAL THERMOPAD ELEMENTAL 4.8 x 16 mm SELF DRILLING SCREW ELEMENTAL PRIMARY FIXING (WILL VARY SUBJECT TO SUSTRATE COMPOSITION) **Dimensions** * Mitred Joint Corner option Insulation thickness (varies) 60x40mm rail is used to support the panel edges а Free vertical ventilation gap b Panel nominal thickness С d ≤ 300mm Panel Joint - 10mm Mitred Joint projection - 5mm f a+b Clad Zone ELEMENTAL RAIL COLOUR RIVETS TO MATCH PANELS * Open Joint Corner option ELEMENTAL EXTERNAL CORNER PROFILE — 60x40mm rail is used to support the panel edges **ELEMENTAL PETRARCH - FACE FIX** Elemental Architectural Cladding Specialists **Drawing Title** #29 The Cubes Offices, Beacon South Quarter, **EXTERNAL CORNER DETAILS** Sandyford Dublin 18, D18 A264 **EL-Rivet** Phone: +353 (0)1 293 8951 EL-SB-RP08 | System: NTS Drawn: V.C. 01 Drawing No. Size: Α4 Scale: Rev. Email: info@elemental.ie Petrarch Elemental Architectural Cladding Specialists reserve the right to amend details at any time without prior notice. Reproduction or disclosure to third parties is strictly prohibited and can only be attained through signed, written consent from Elemental ACS.







Dimensions							
а	Insulation thickness (varies)						
b	Free vertical ventilation gap						
c Panel nominal thickness							
a+b	Clad Zone						

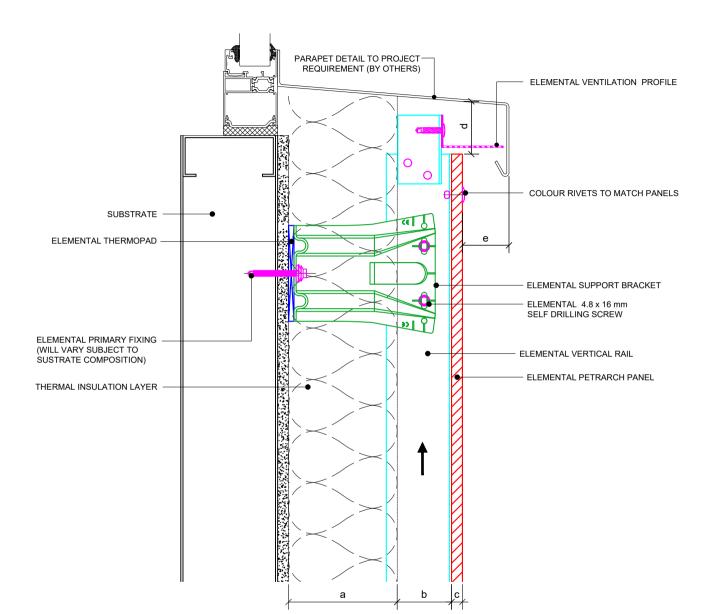


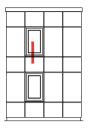
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Drawing Title	ELEMENTAL PETRARCH - FACE FIX GENERIC PARAPET DETAIL										
Drawing No.	EL-SB-RP10	System:	EL-Rivet Petrarch	Size:	A4	Scale:	NTS	Drawn:	v.c.	Rev.	01





Dimensions							
a Insulation thickness (varies)							
b Free vertical ventilation gap							
С	Panel nominal thickness						
d	Ventilation inlet / outlet gaps						
е	≥ 40mm						
a+b Clad Zone							

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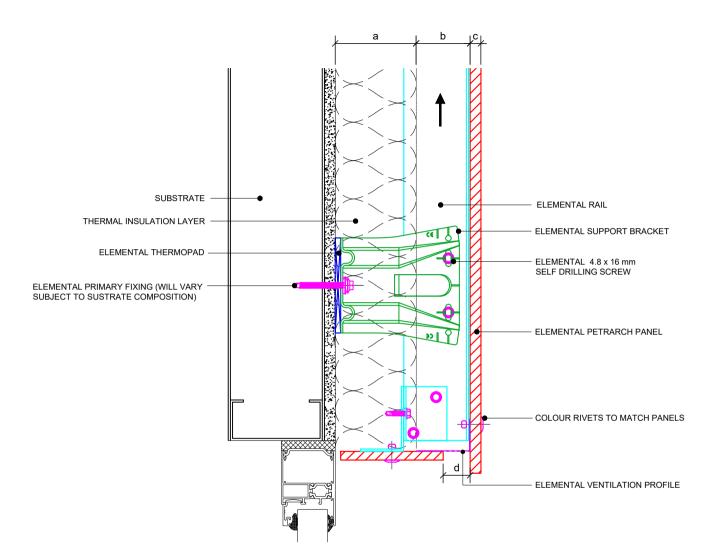
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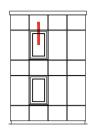
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Drawing Title	ELEMENTAL PETRARCH - FACE FIX WINDOW CILL DETAIL							X		
Drawing No.	EL-SB-RP11	System:	EL-Rivet	Size:	A4	Scale:	NTS	Drawn:	v.c.	

Petrarch

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	Dimensions
а	Insulation thickness (varies)
b	Free vertical ventilation gap
С	Panel nominal thickness
d	Ventilation inlet / outlet gaps
a+b	Clad Zone

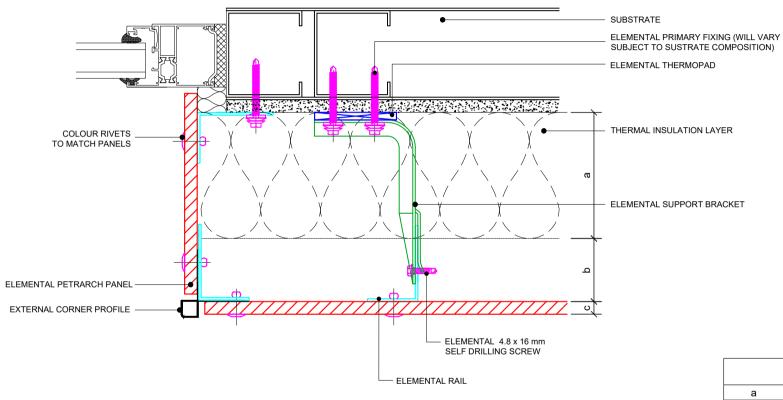


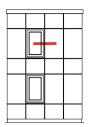
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Drawing Title	ELEMENTAL PETRARCH - FACE FIX WINDOW HEAD DETAIL										
Drawing No.	EL-SB-RP12	System:	EL-Rivet Petrarch	Size:	A4	Scale:	NTS	Drawn:	v.c.	Rev.	01





Dimensions						
а	Insulation thickness (varies)					
b	Free vertical ventilation gap					
С	Panel nominal thickness					
a+b	Clad Zone					

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Drawing Title	ELEMENTAL PETRARCH - FACE FIX WINDOW JAMB DETAIL										
Drawing No.	EL-SB-RP13	System:	EL-Rivet Petrarch	Size:	A4	Scale:	NTS	Drawn:	v.c.	Rev.	

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