

Facade System

Ventilated facade

EL-CB-RP

Elemental-Concrete Bracket- Rivet Petrarch

Contents:

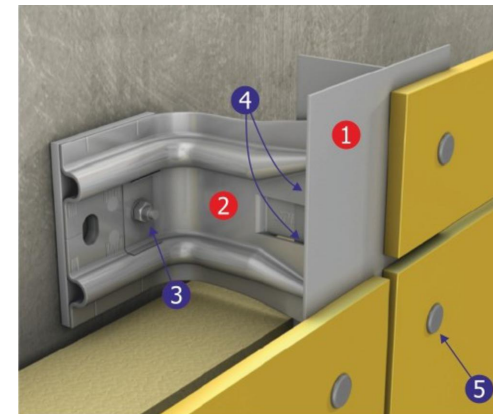
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Petrarch, Reconstituted Stone

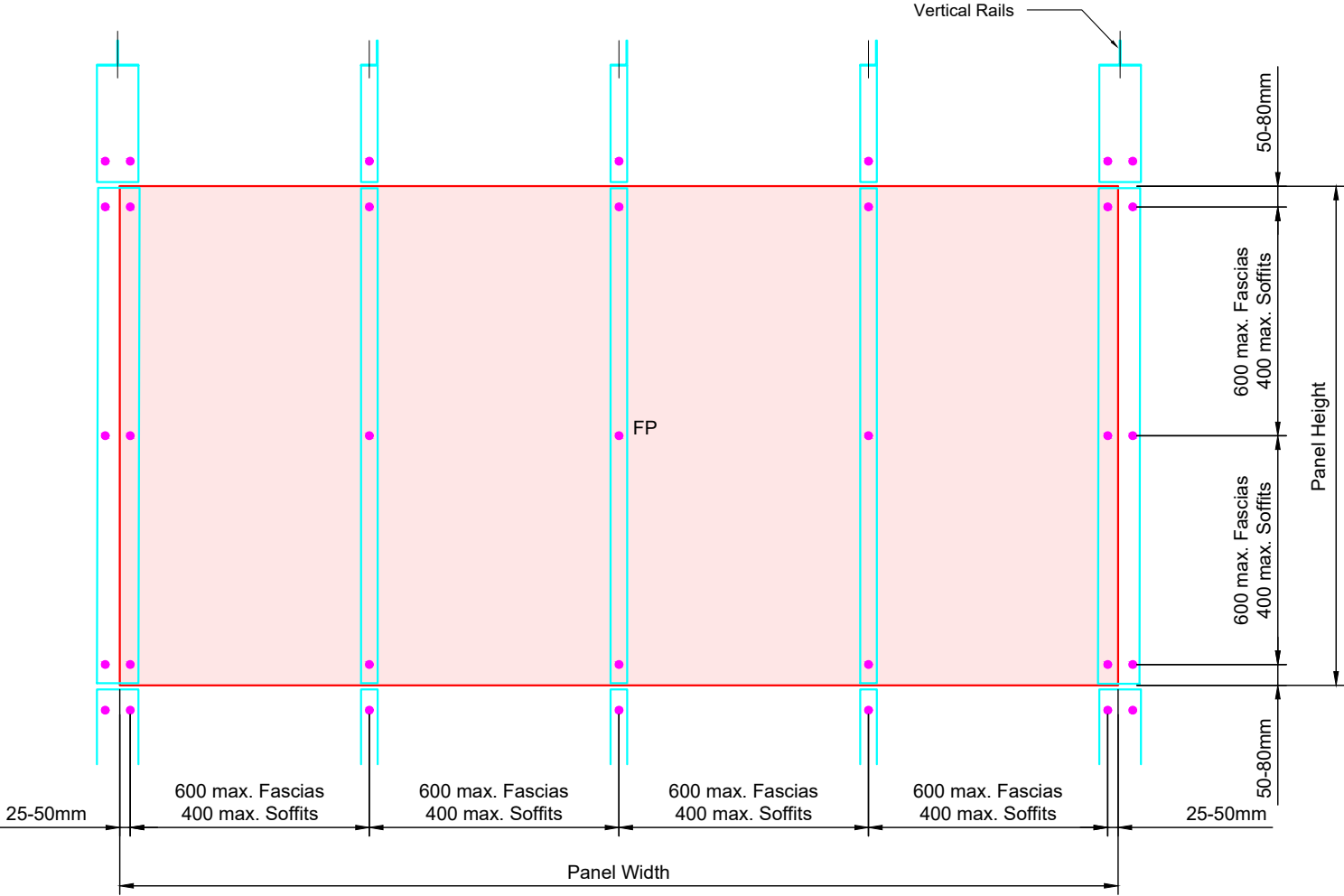
7mm or 10mm Petrarch thickness

Face Fix onto 1-layer

Metal substructure



- ① 'L' or 'T' Rail
- ② Support Bracket
- FIXINGS:**
- ③ Bracket to Wall Fixings/Anchors
- ④ Rail to Bracket Fixings
- ⑤ Colour Coordinated Rivets

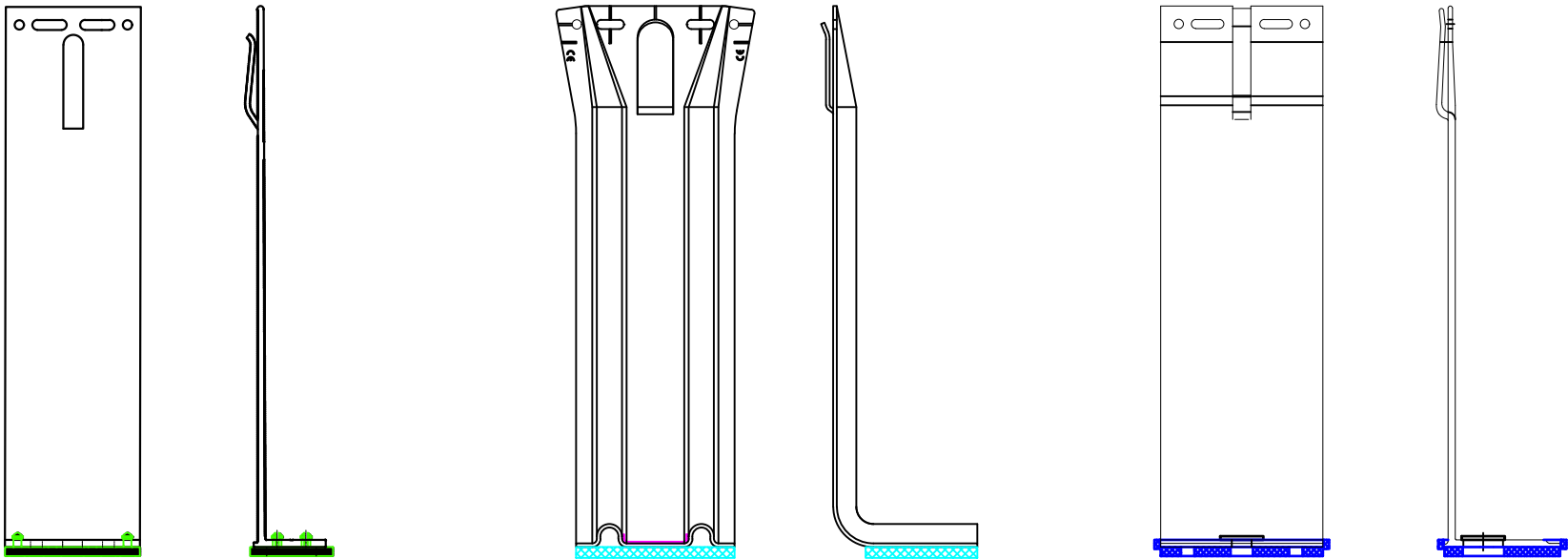



Face Fixing Guidelines

- 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 Al 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.

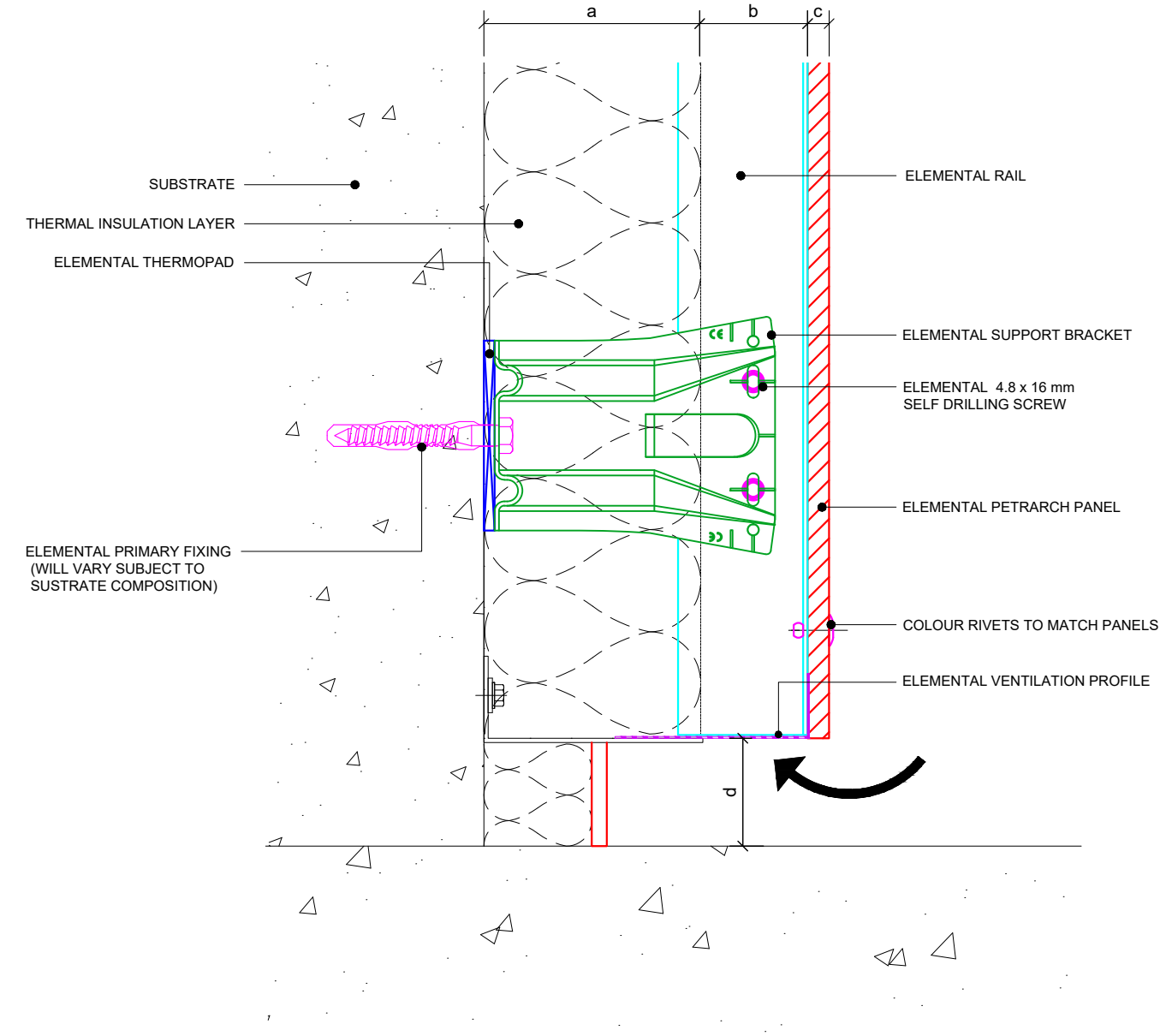
BRACKET TYPES AVAILABLE FROM ELEMENTAL




	Elemental Architectural Cladding Specialists #29 The Cubes Offices, Beacon South Quarter, Sandyford Dublin 18, D18 A264 Phone: +353 (0)1 293 8951 Email: info@elemental.ie	Drawing Title	BRACKET TYPES AVAILABLE										
		Drawing No.	EL-CB-RP02	System:	EL-Rivet Petrarch	Size:	A4	Scale:	NTS	Drawn:	V.C.	Rev.	01

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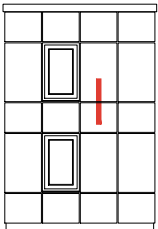
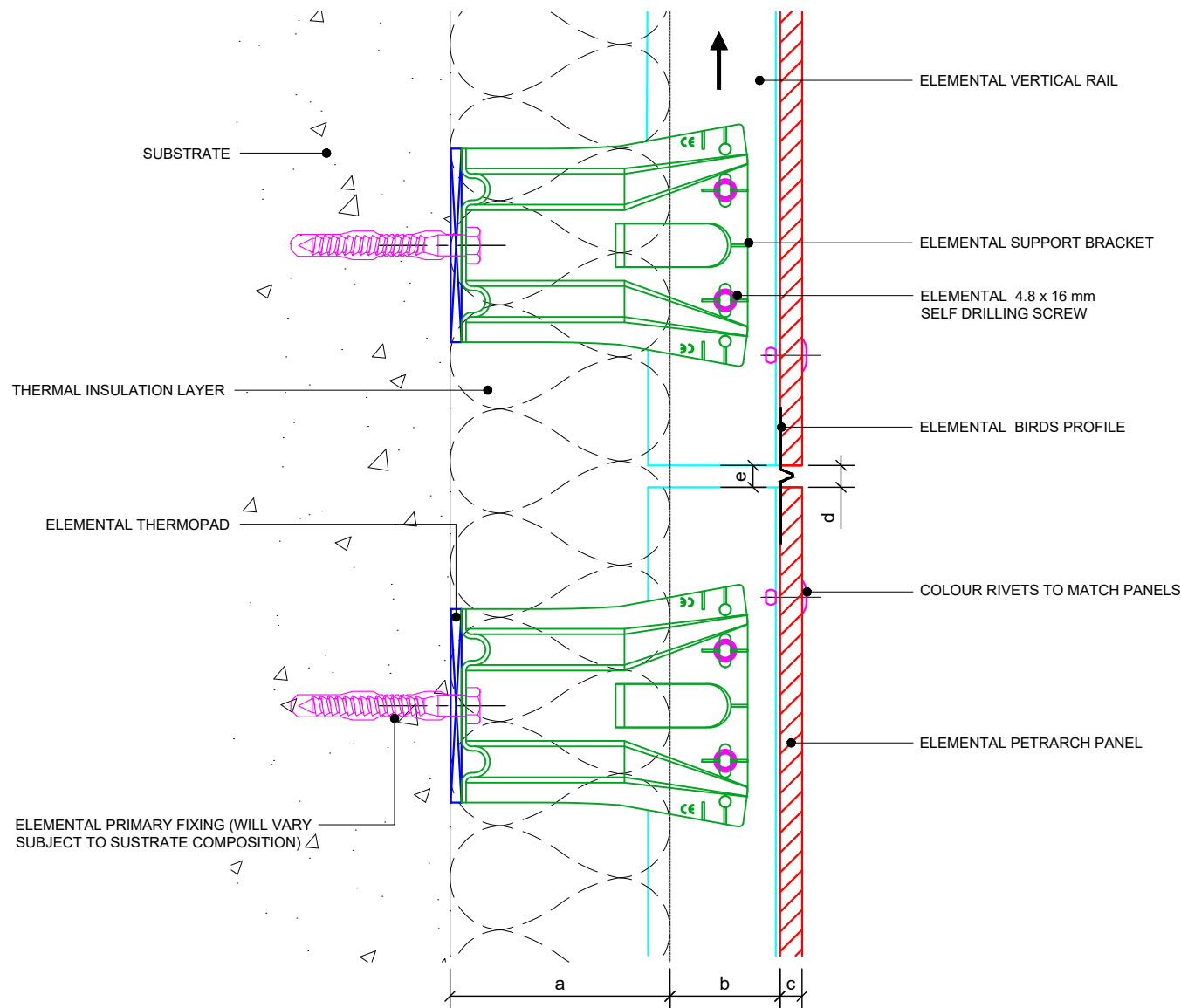
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Dimensions	
a	Insulation thickness (varies)
b	Free vertical ventilation gap
c	Panel nominal thickness
d	Base distance - Minimum 50mm
a+b	Clad Zone

 elemental Architectural Cladding Specialists	Elemental Architectural Cladding Specialists #29 The Cubes Offices, Beacon South Quarter, Sandyford Dublin 18, D18 A264 Phone: +353 (0)1 293 8951 Email: info@elemental.ie		Drawing Title ELEMENTAL PETRARCH - FACE FIX BASE DETAIL									
			Drawing No.	EL-CB-RP03	System:	EL-Rivet Petrarch	Size:	A4	Scale:	NTS	Drawn:	V.C.

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



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Drawing Title

**ELEMENTAL PETRARCH - FACE FIX
HORIZONTAL PANEL JOINT DETAIL**

Drawing No.

EL-CB-RP04

System:

**EL-Rivet
Petrarch**

Size:

A4

Scale:

NTS

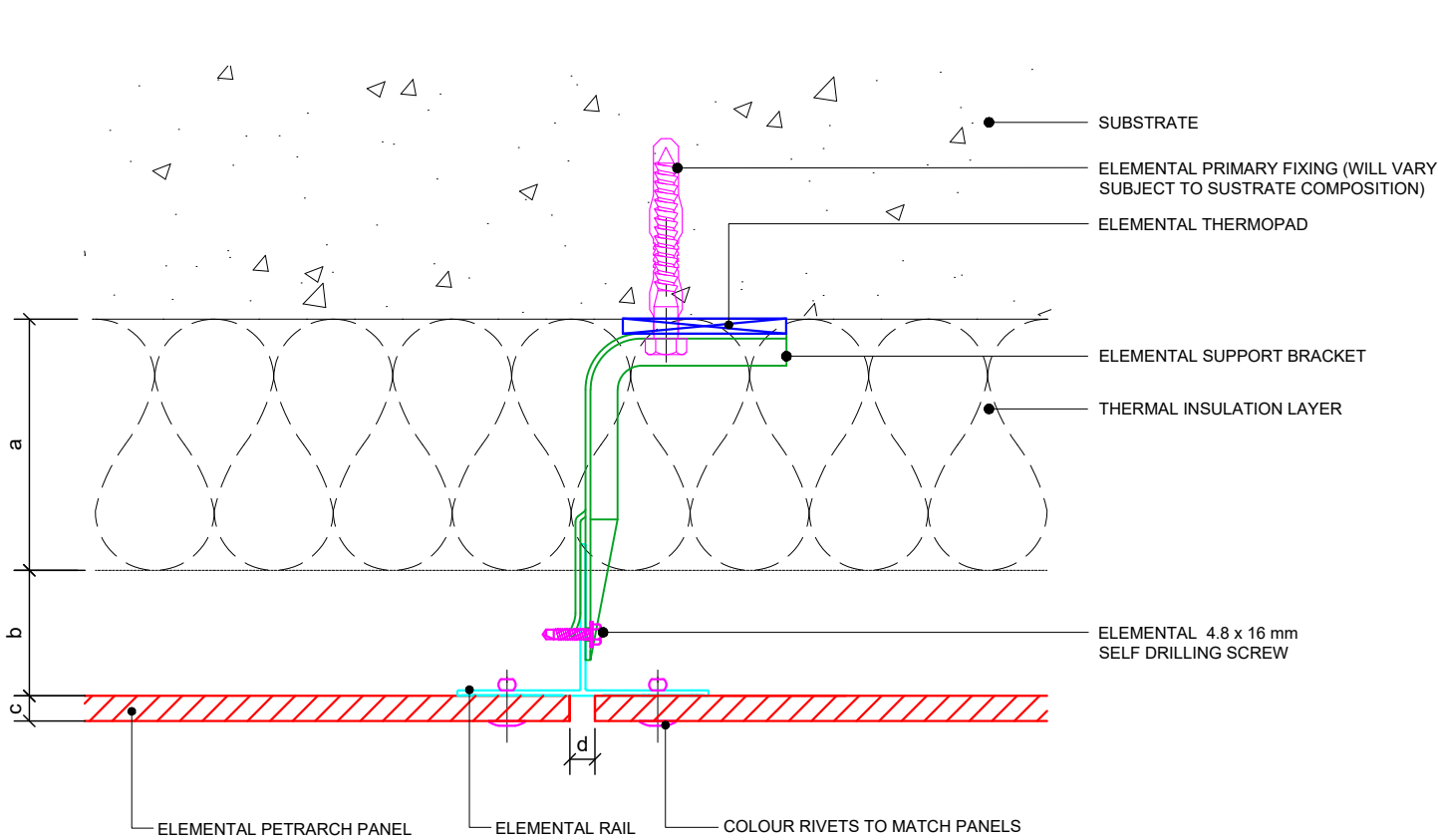
Drawn:

V.C.

Rev.

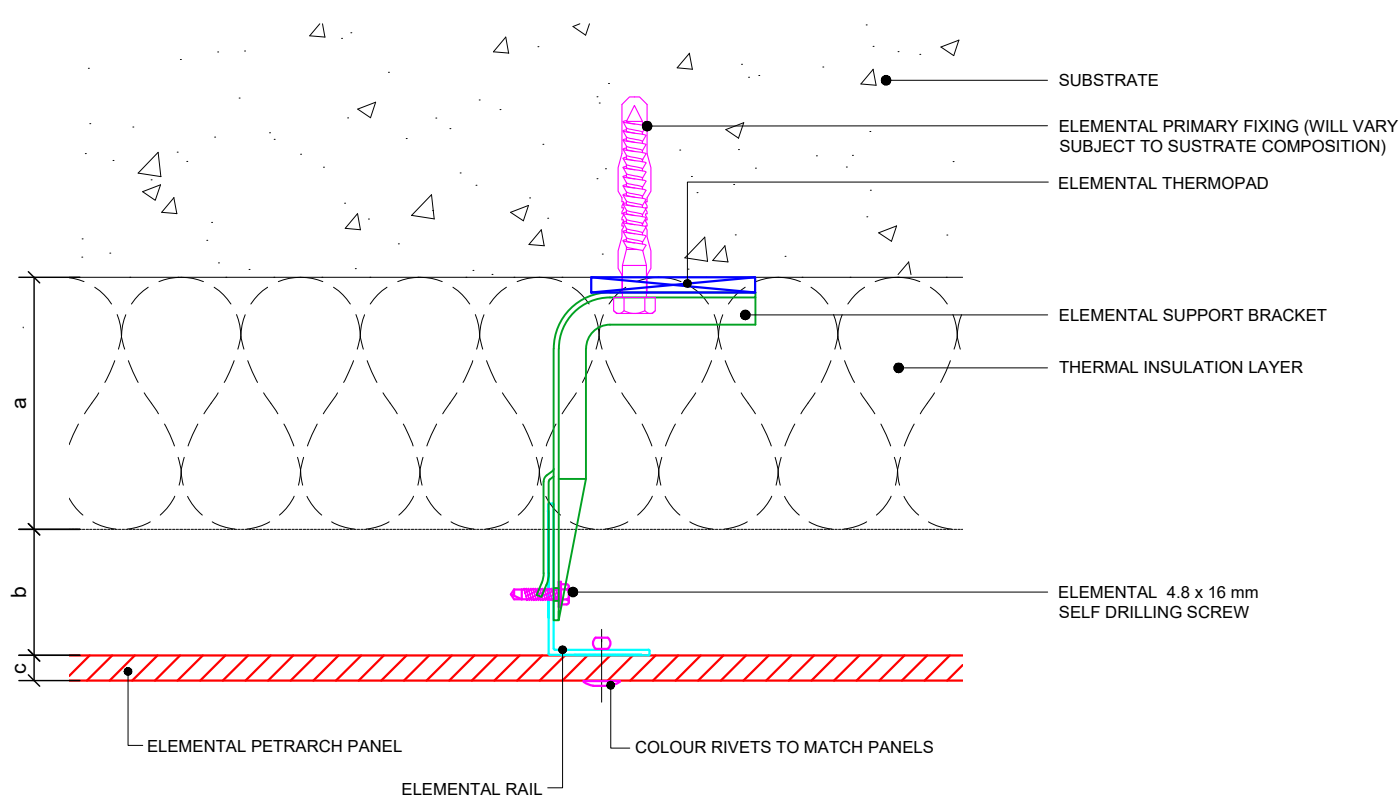
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Dimensions	
a	Insulation thickness (varies)
b	Free vertical ventilation gap
c	Panel nominal thickness
d	Panel Joint - 10mm
a+b	Clad Zone

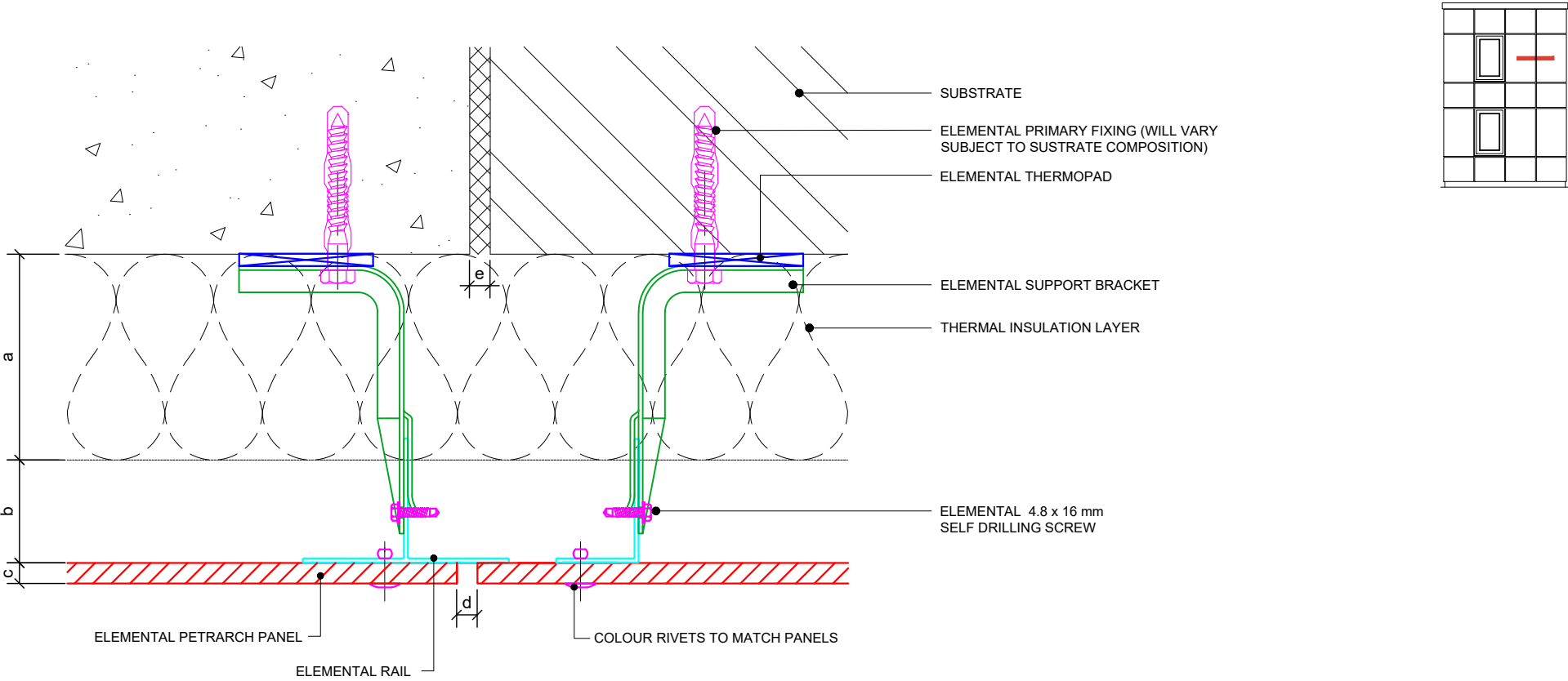
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Dimensions	
a	Insulation thickness (varies)
b	Free vertical ventilation gap
c	Panel nominal thickness
a+b	Clad Zone

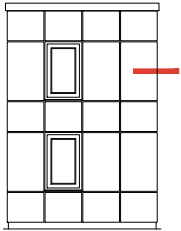
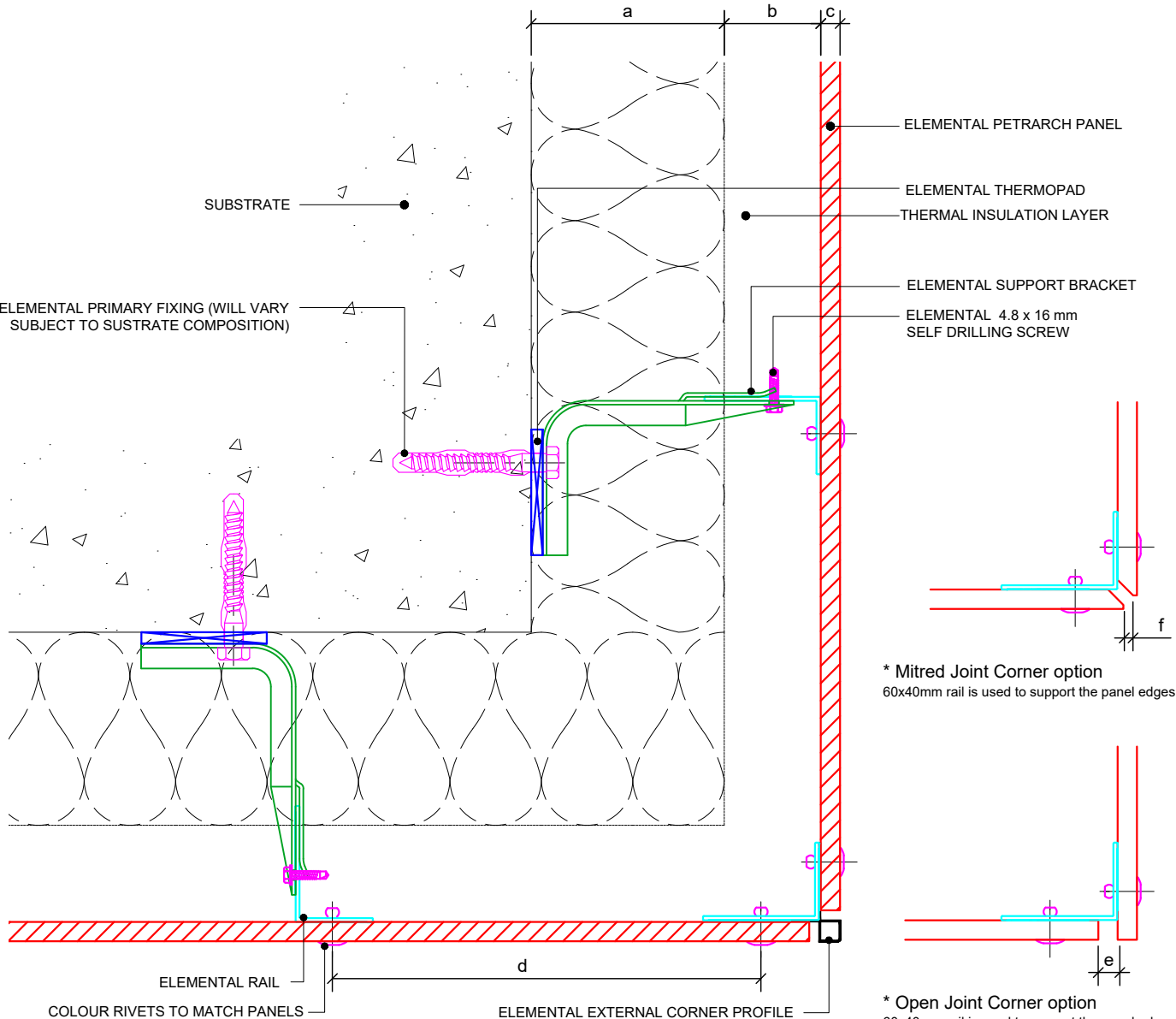
 <div>Elemental Architectural Cladding Specialists #29 The Cubes Offices, Beacon South Quarter, Sandyford Dublin 18, D18 A264 Phone: +353 (0)1 293 8951 Email: info@elemental.ie</div>	Drawing Title		ELEMENTAL PETRARCH - FACE FIX INTERMEDIATE SUPPORT DETAIL									
	Drawing No.	EL-CB-RP06	System:	EL-Rivet Petrarch	Size:	A4	Scale:	NTS	Drawn:	V.C.	Rev.	01

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

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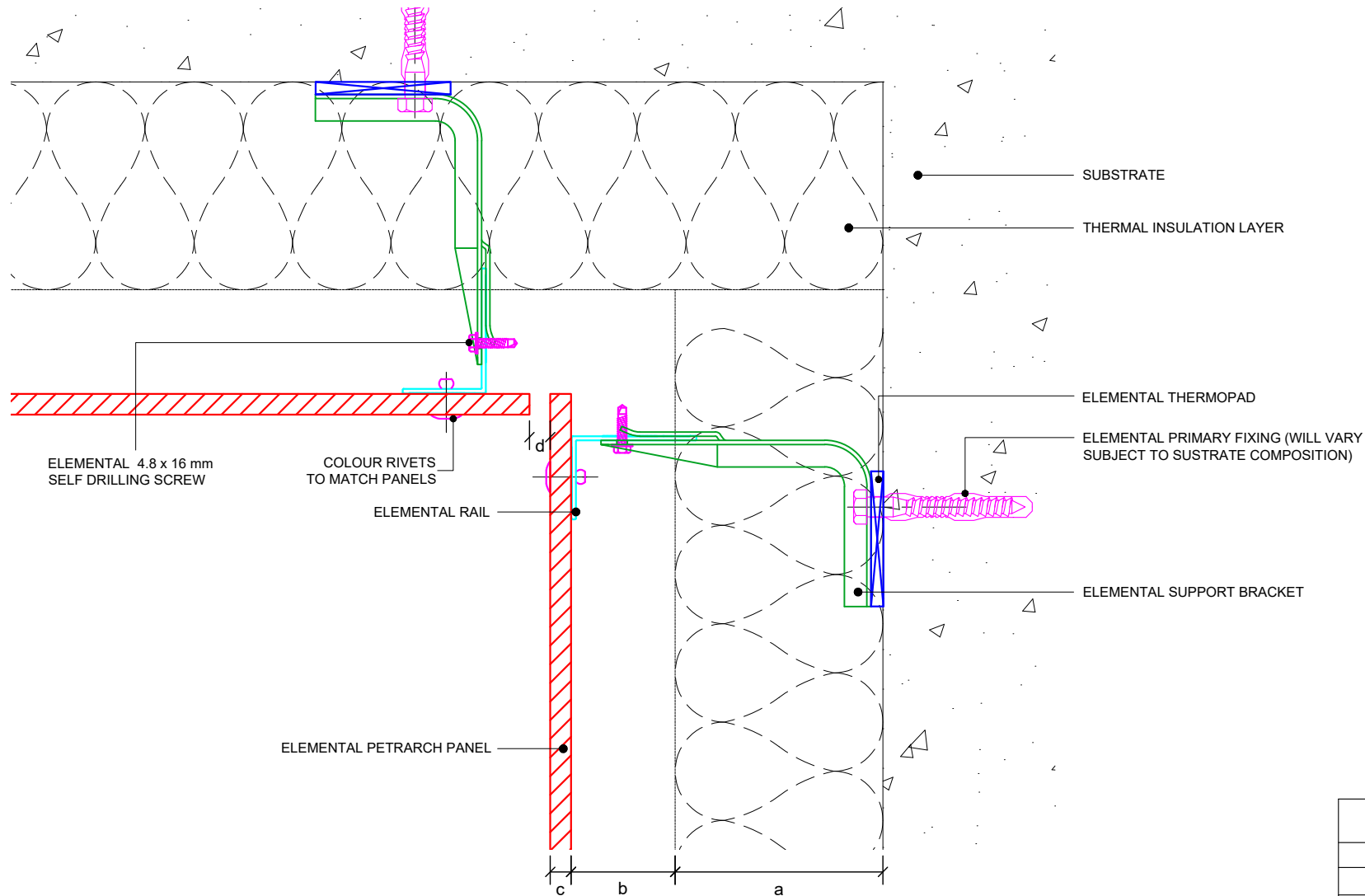


* Mitred Joint Corner option
60x40mm rail is used to support the panel edges

* Open Joint Corner option
60x40mm rail is used to support the panel edges

Dimensions	
a	Insulation thickness (varies)
b	Free vertical ventilation gap
c	Panel nominal thickness
d	≤ 300mm
e	Panel Joint - 10mm
f	Mitred Joint projection - 5mm
a+b	Clad Zone

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



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Drawing Title

Drawing No.

EL-CB-RP09

System:

EL-Rivet
Petrarch

Size:

A4

Scale:

NTS

Drawn:	V.C.
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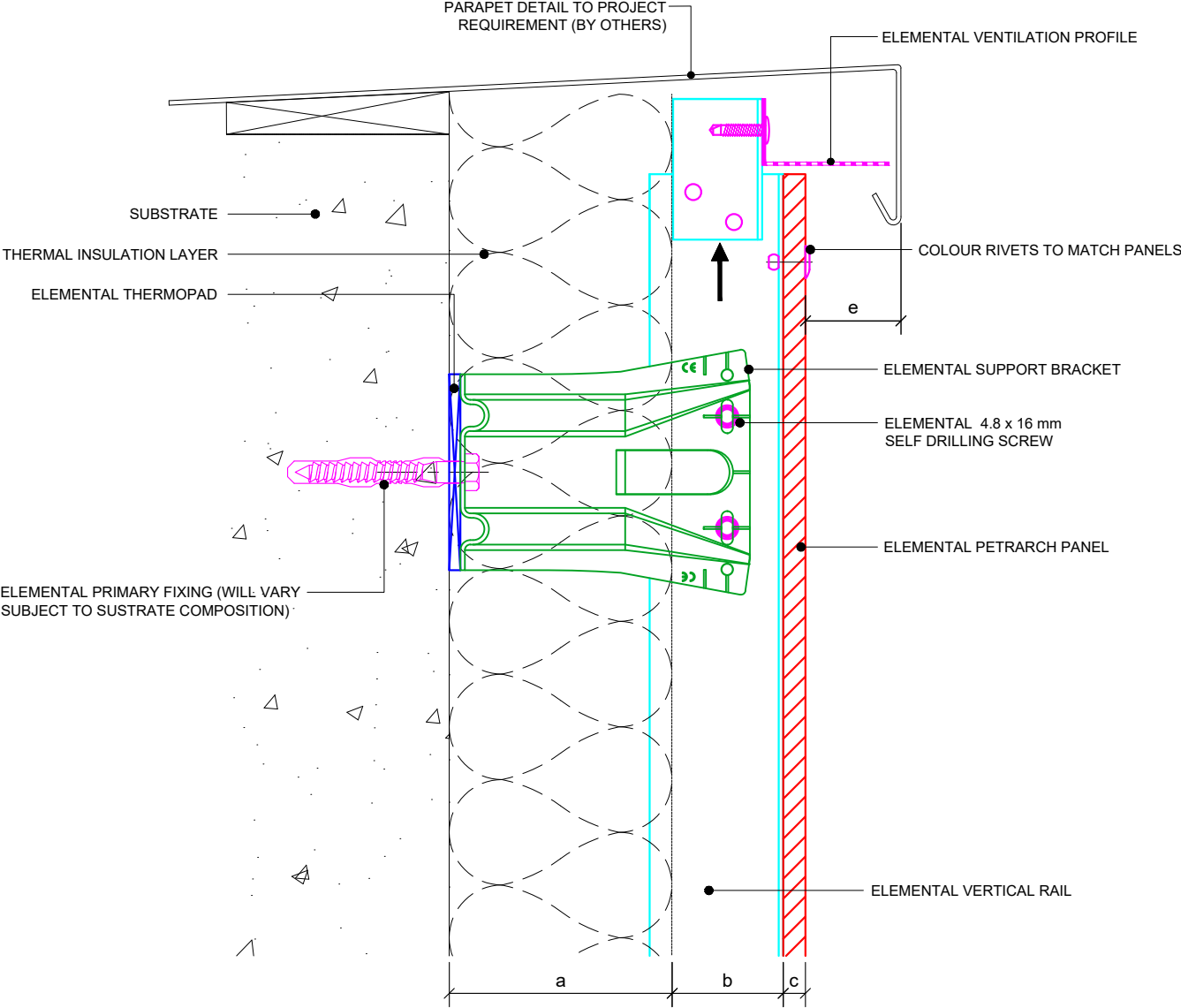
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ELEMENTAL PETRARCH - FACE FIX INTERNAL CORNER DETAIL

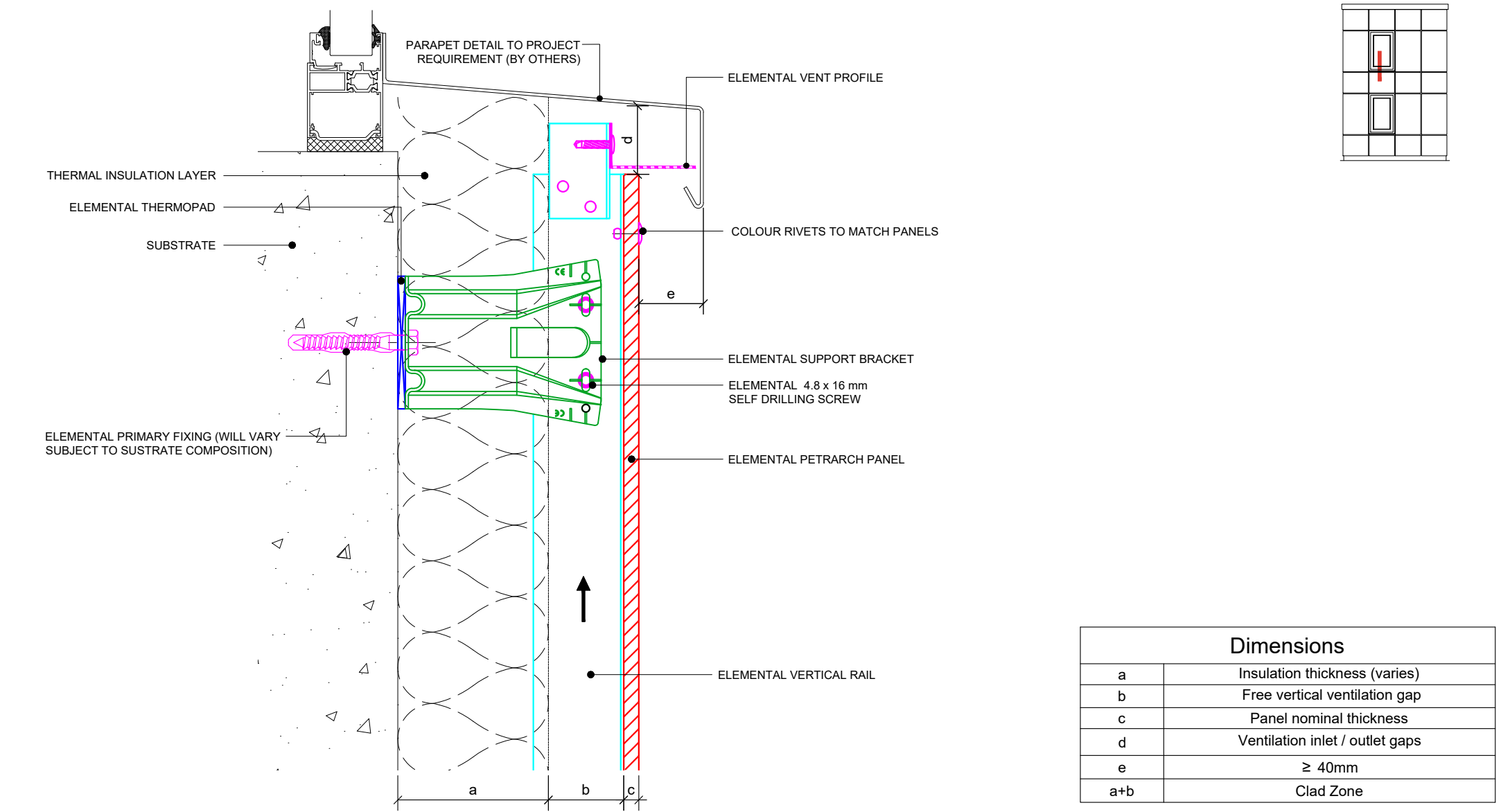
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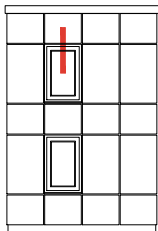
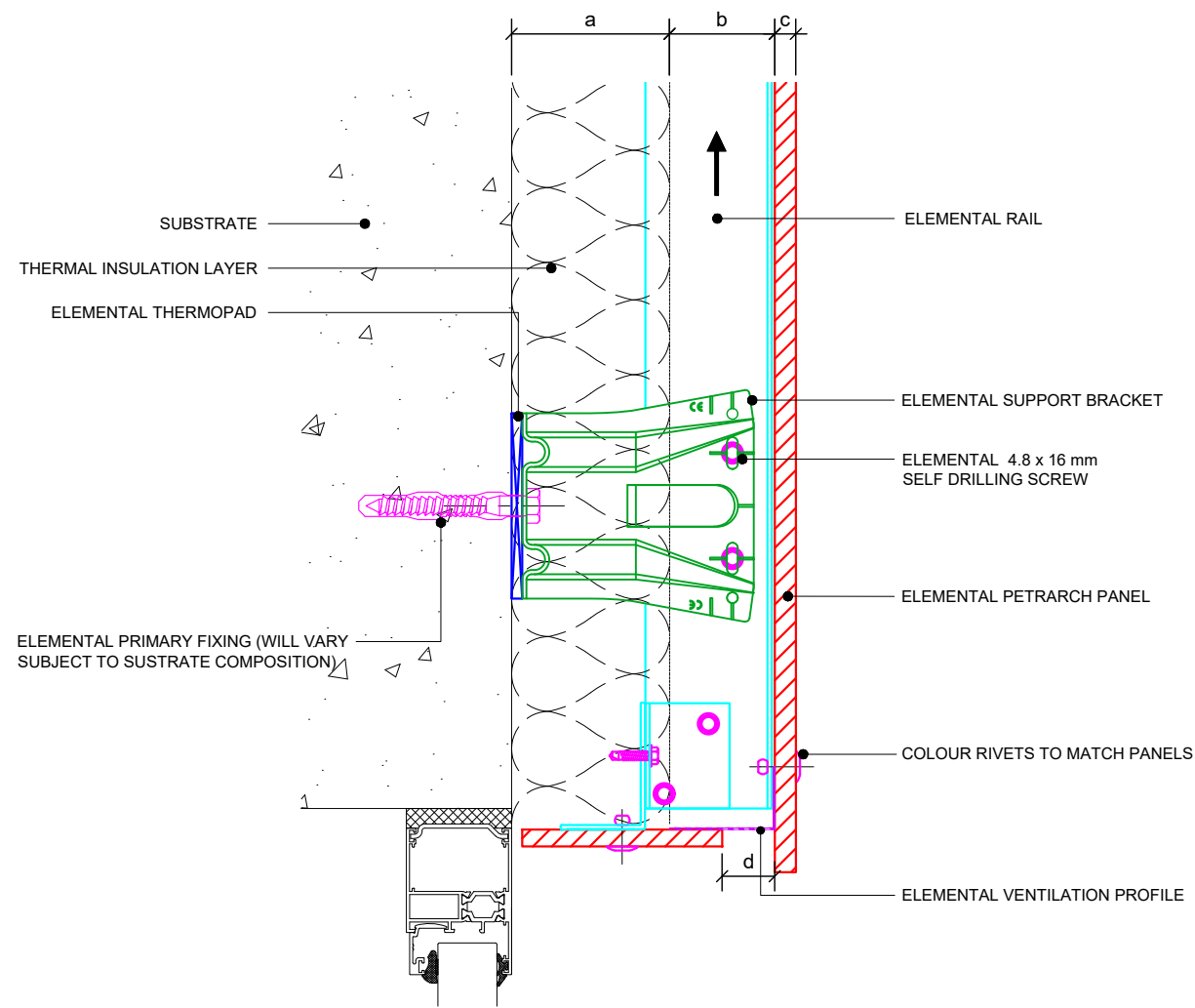
Dimensions	
a	Insulation thickness (varies)
b	Free vertical ventilation gap
c	Panel nominal thickness
a+b	Clad Zone

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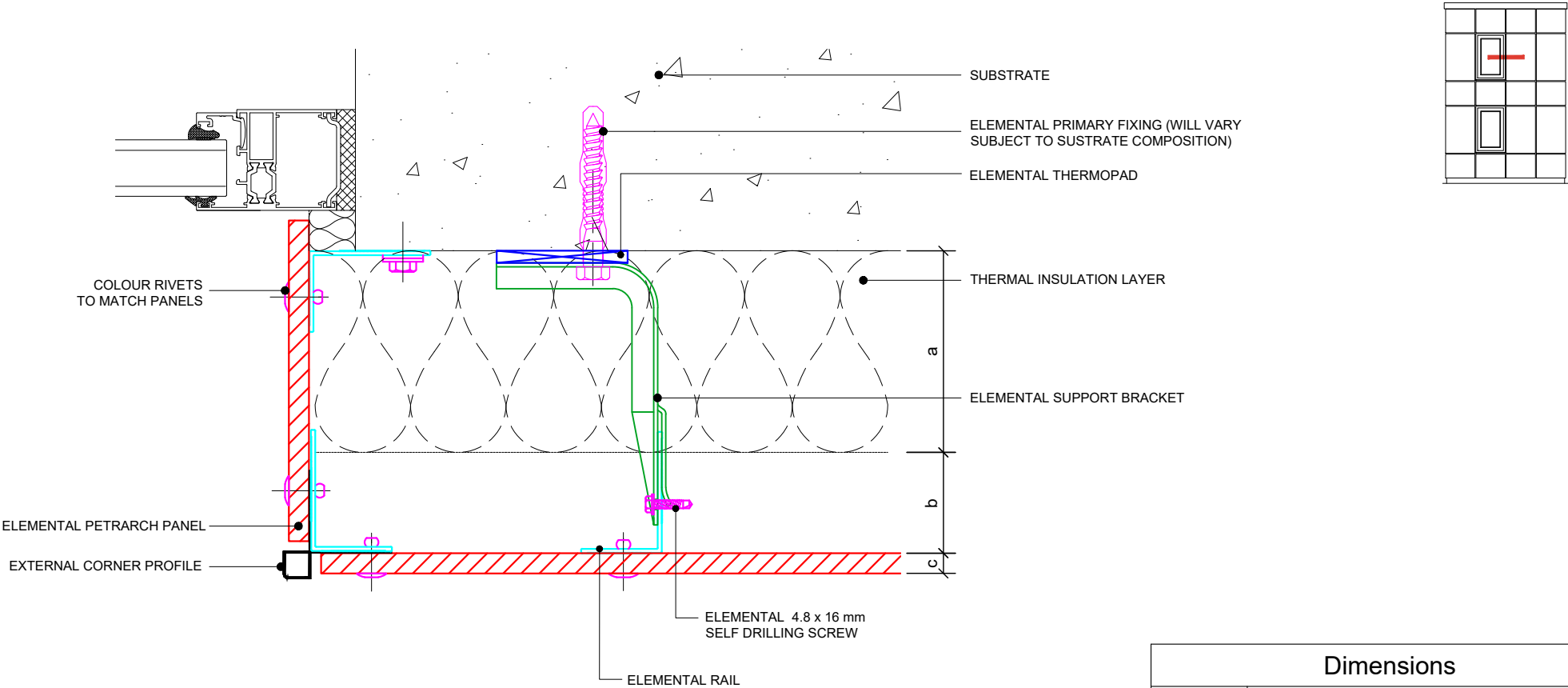
 <div>Elemental Architectural Cladding Specialists #29 The Cubes Offices, Beacon South Quarter, Sandyford Dublin 18, D18 A264 Phone: +353 (0)1 293 8951 Email: info@elemental.ie</div>	Drawing Title		ELEMENTAL PETRARCH - FACE FIX WINDOW CILL DETAIL									
	Drawing No.	EL-CB-RP11	System:	EL-Rivet Petrarch	Size:	A4	Scale:	NTS	Drawn:	V.C.	Rev.	01

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

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