

Facade System

Ventilated facade

EL-SB-RFC

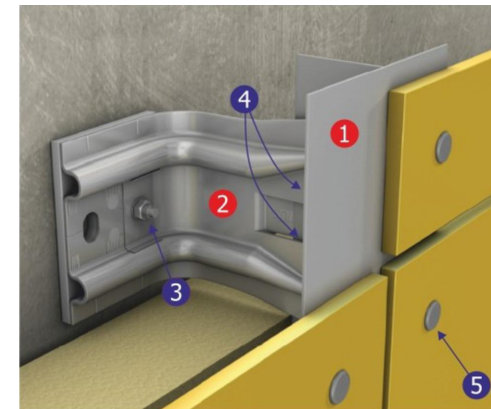
Elemental-SFS Bracket-Rivet Fibre Cement

FIBRE CEMENT, Cement, mineralized cellulose fibers and silica

Face Fix onto 1-layer - Metal substructure

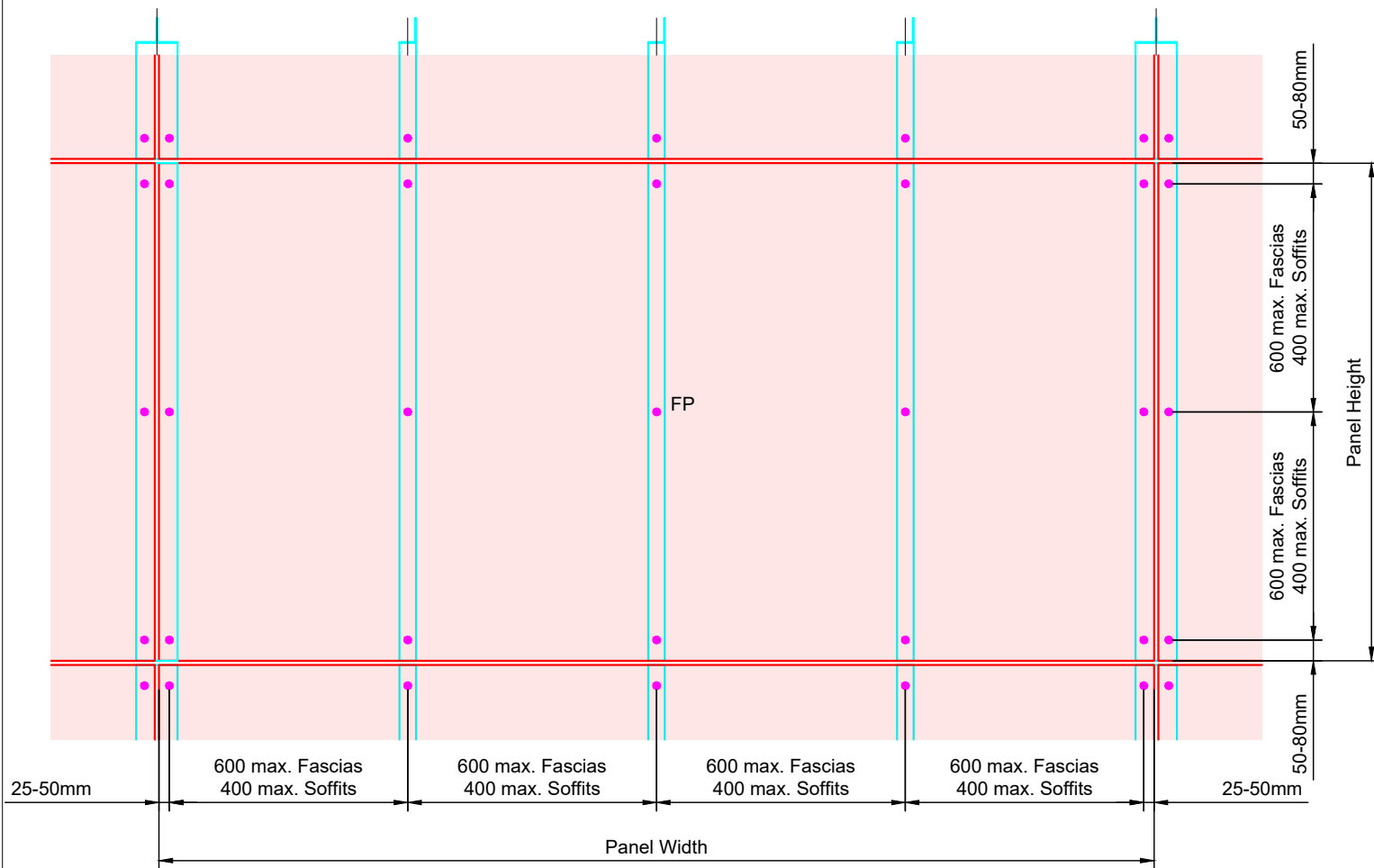
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- ① 'L' or 'T' Rail
 - ② Support Bracket
- FIXINGS:**
- ③ Bracket to Wall Fixings/Anchors
 - ④ Rail to Bracket Fixings
 - ⑤ Colour Coordinated Rivets

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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:
 - **8mm Fibre Cement**- Large flange Al or S/S Ø16mm Head 4.8x18mm (grip range 6.0:12.5mm)
 - **10mm Fibre Cement** - 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 Fiber cement Technical Guide.**

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



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Drawing Title

**ELEMENTAL FIBRE CEMENT - FACE FIX
 SYSTEM LAYOUT**

Drawing No.

EL-SB-RFC01

System:

**EL-Rivet
 Fibre Cement**

Size:

A4

Scale:

NTS

Drawn:

V.C.

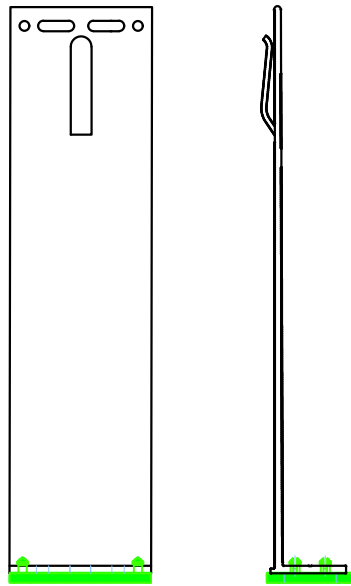
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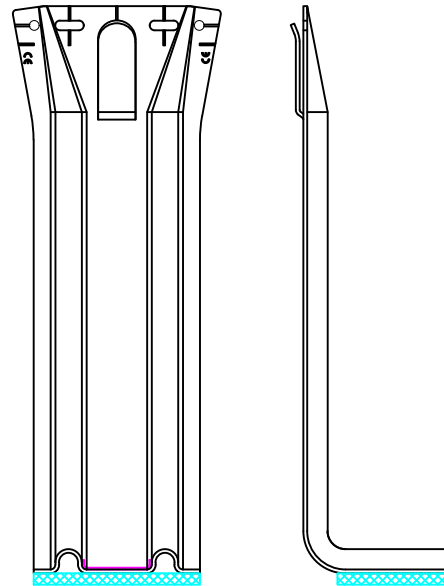
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BRACKET TYPES AVAILABLE FROM ELEMENTAL

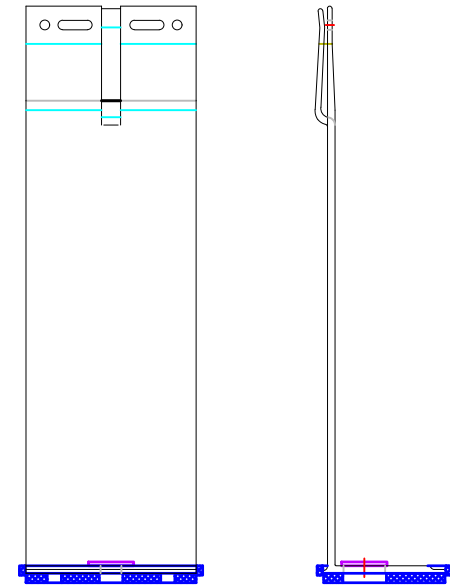
SPIDI LIGHT



SPIDI MAX



ALLFACE



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Drawing Title

BRACKET TYPES AVAILABLE

Drawing No.

EL-GB-RFC02

System:

EL-Rivet
Fibre Cement

Size:

A4

Scale:

NTS

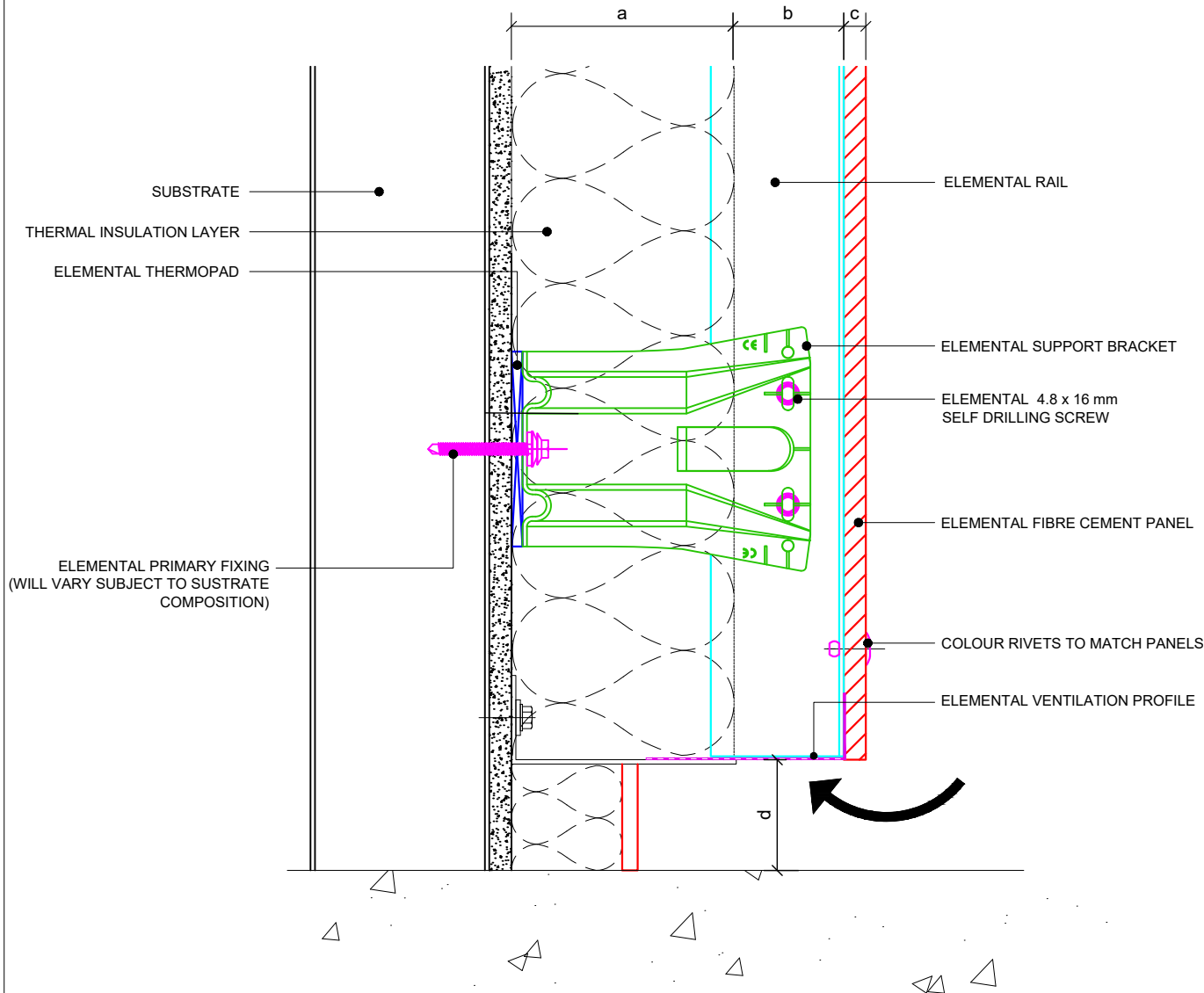
Drawn:

V.C.

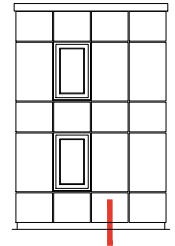
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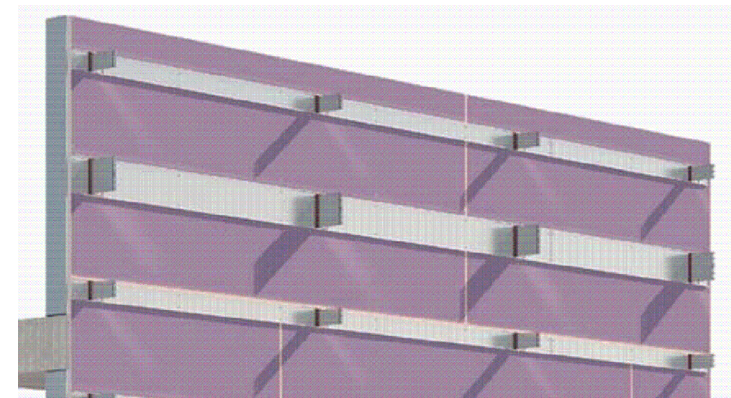
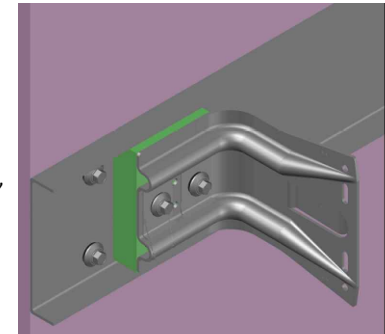


Dimensions	
a	Insulation thickness (varies)
b	Free vertical ventilation gap
c	Panel nominal thickness
d	Base distance - Minimum 50mm
a+b	Clad Zone



Note:

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



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Drawing Title

**ELEMENTAL FIBRE CEMENT - FACE FIX
BASE DETAIL**

Drawing No.

EL-SB-RFC03

System:

**EL-Rivet
Fibre Cement**

Size:

A4

Scale:

NTS

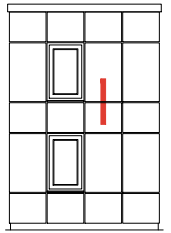
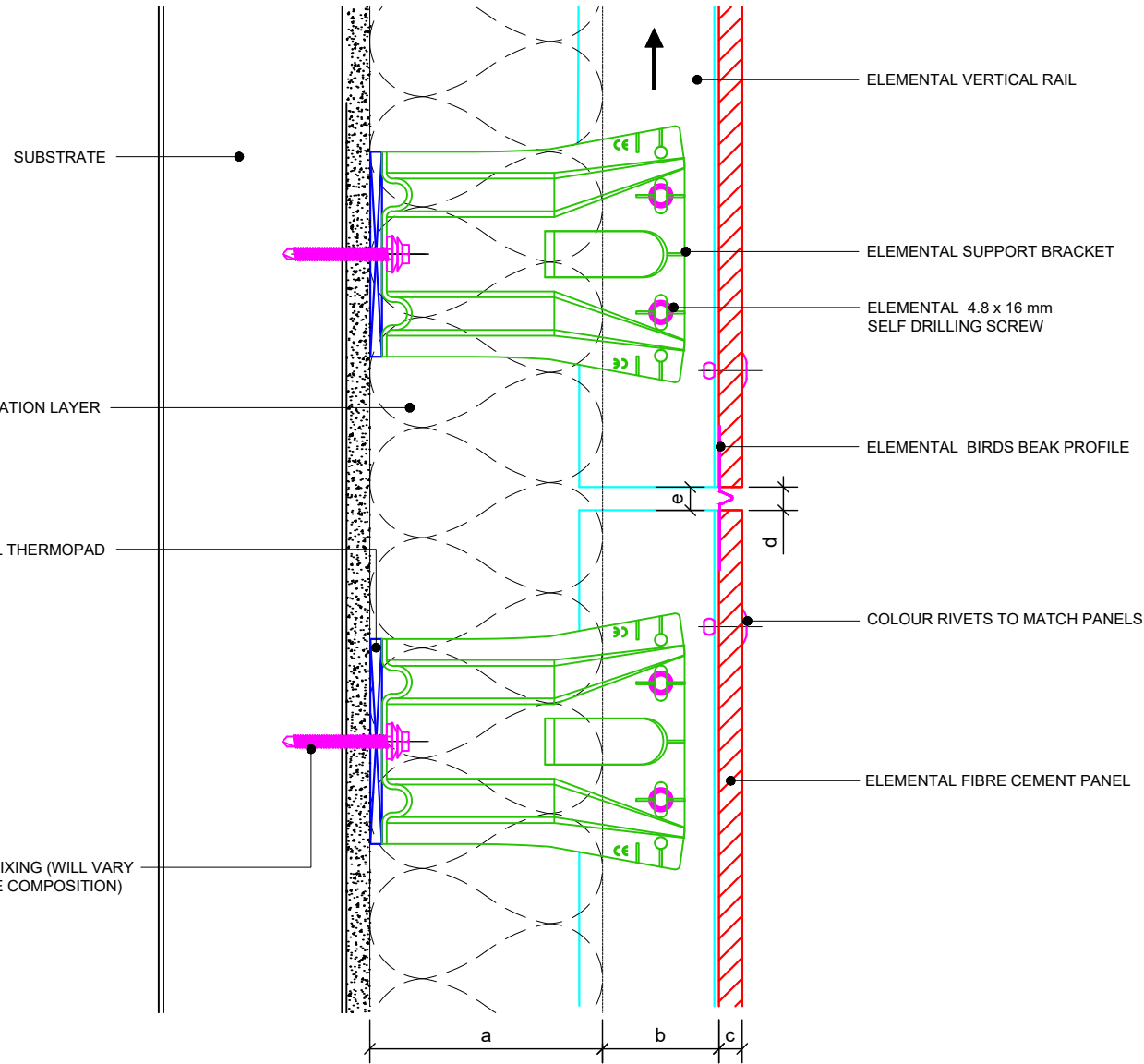
Drawn:

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 FIBRE CEMENT - FACE FIX
 HORIZONTAL PANEL JOINT DETAIL**

Drawing No.

EL-SB-RFC04

System:

**EL-Rivet
 Fibre Cement**

Size:

A4

Scale:

NTS

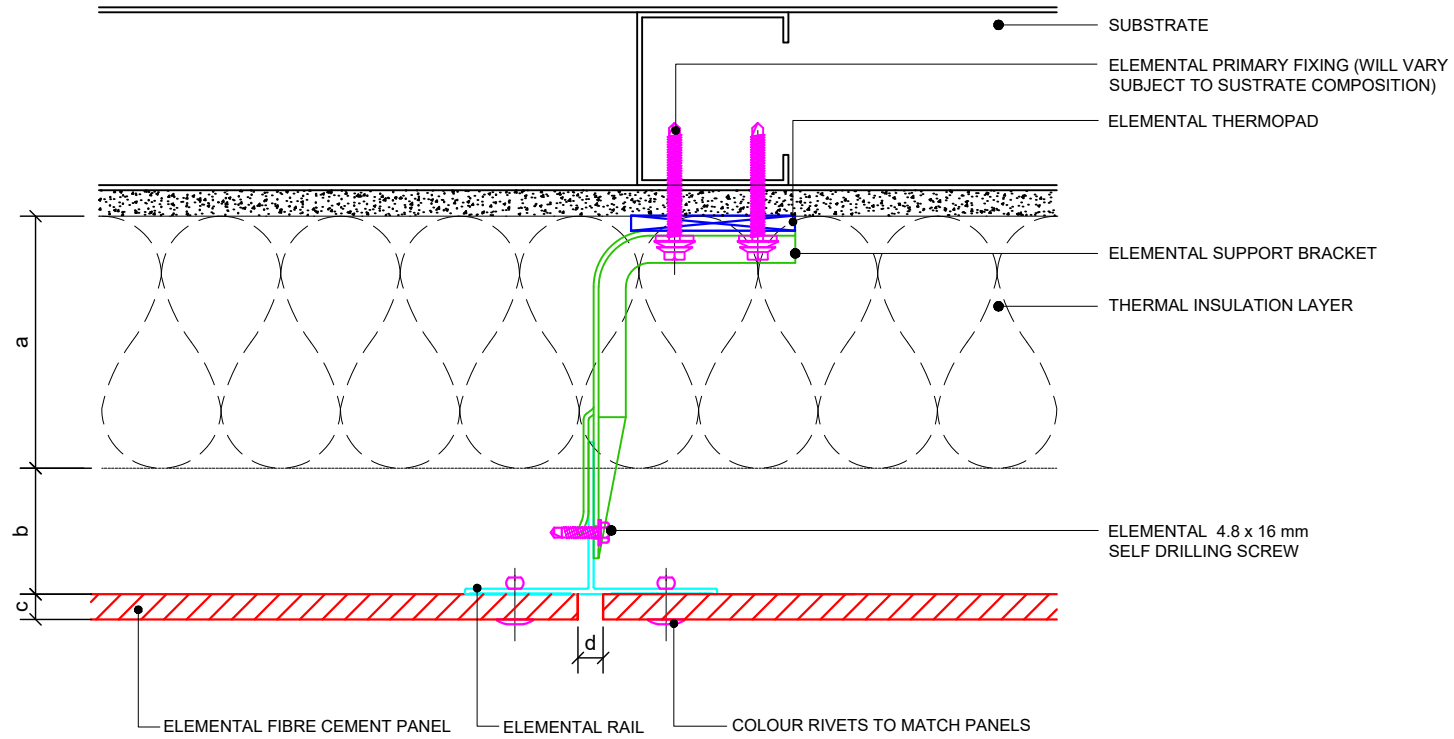
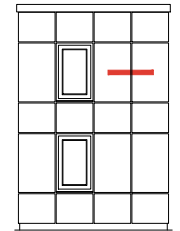
Drawn:

V.C.

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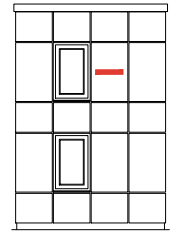
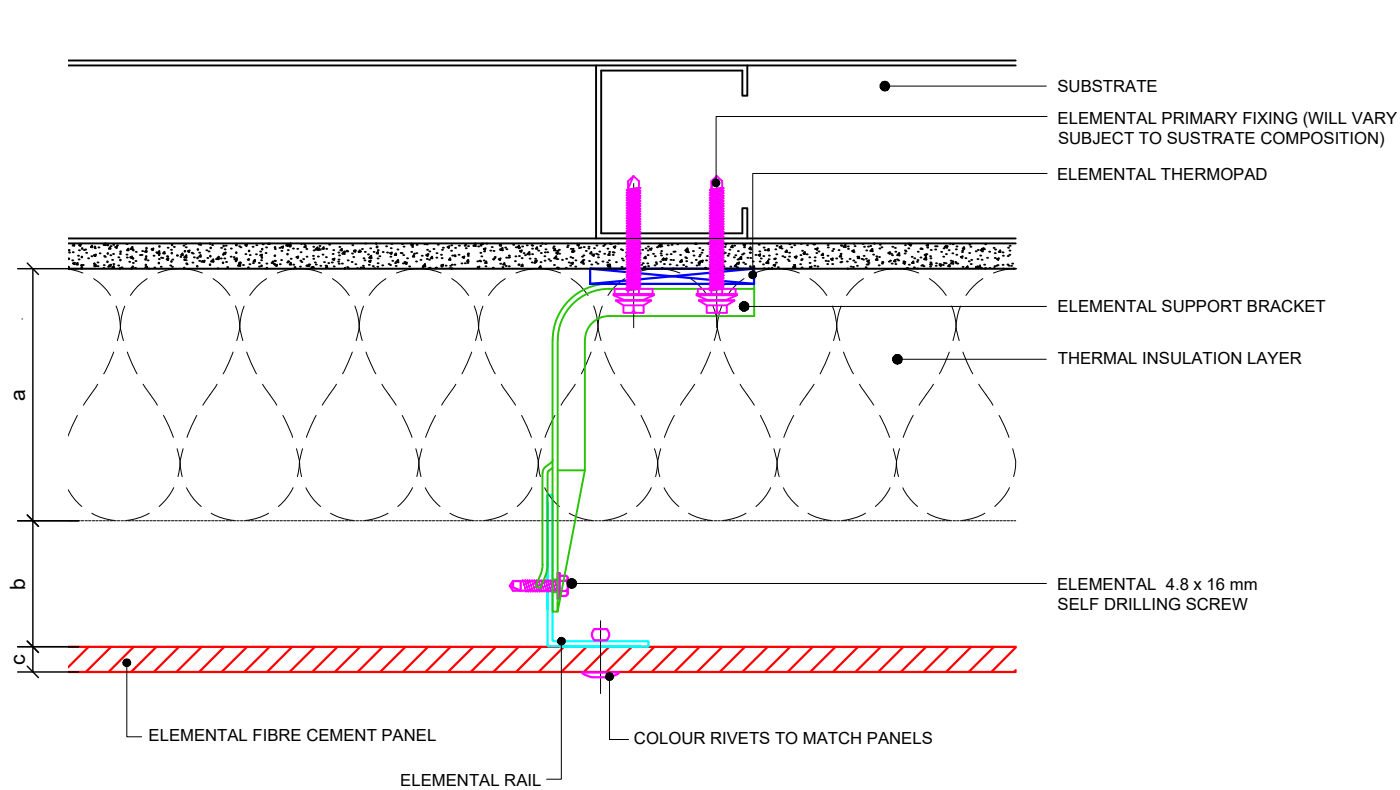
Dimensions	
a	Insulation thickness (varies)
b	Free vertical ventilation gap
c	Panel nominal thickness
d	Panel Joint - 10mm
a+b	Clad Zone



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Drawing Title	ELEMENTAL FIBRE CEMENT - FACE FIX VERTICAL PANEL JOINT DETAIL										
Drawing No.	EL-SB-RFC05	System:	EL-Rivet Fibre Cement	Size:	A4	Scale:	NTS	Drawn:	V.C.	Rev.	01

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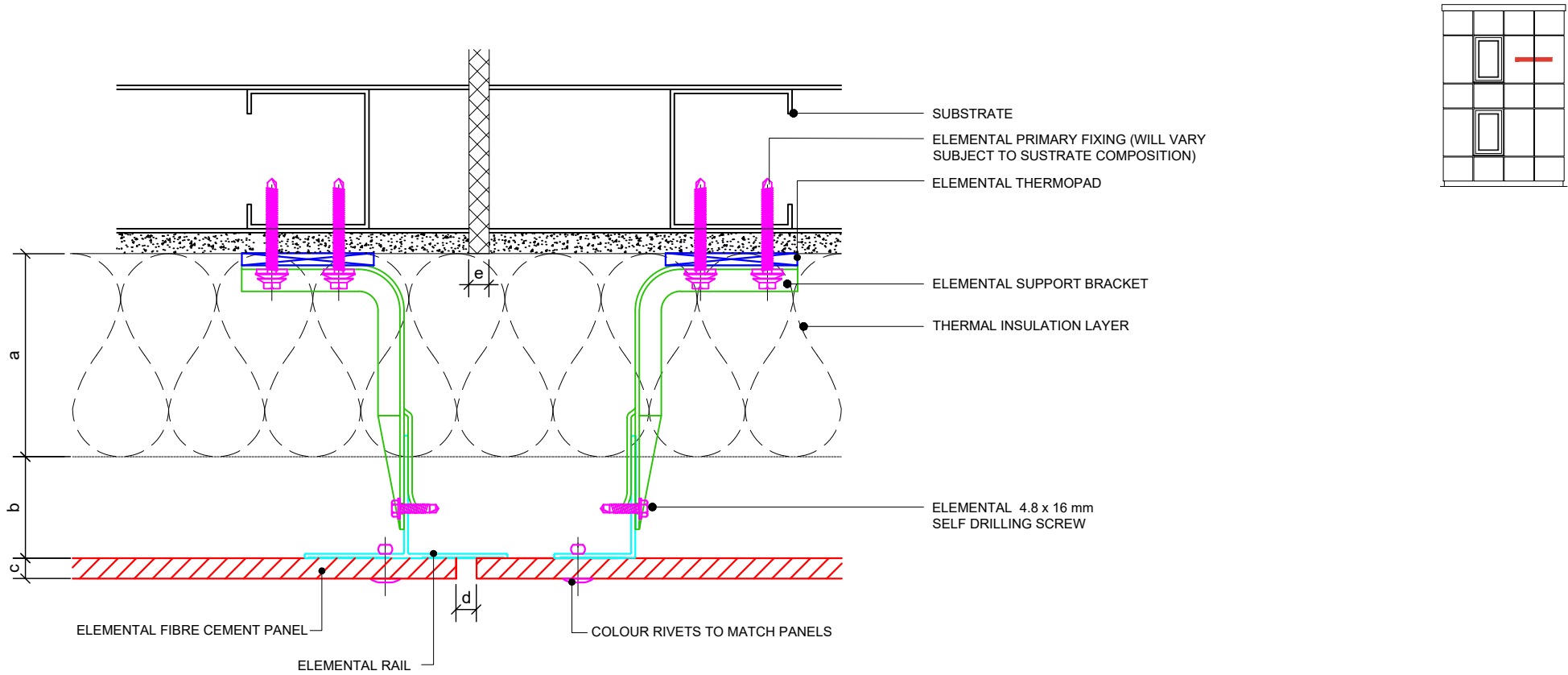
Dimensions	
a	Insulation thickness (varies)
b	Free vertical ventilation gap
c	Panel nominal thickness
a+b	Clad Zone




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Drawing Title	ELEMENTAL FIBRE CEMENT - FACE FIX INTERMEDIATE SUPPORT DETAIL										
Drawing No.	EL-SB-RFC06	System:	EL-Rivet Fibre Cement	Size:	A4	Scale:	NTS	Drawn:	V.C.	Rev.	01

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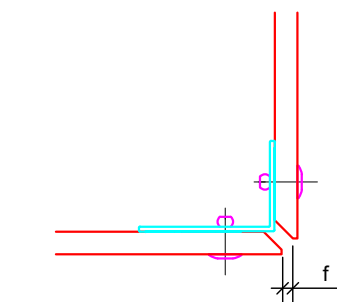
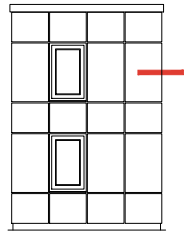
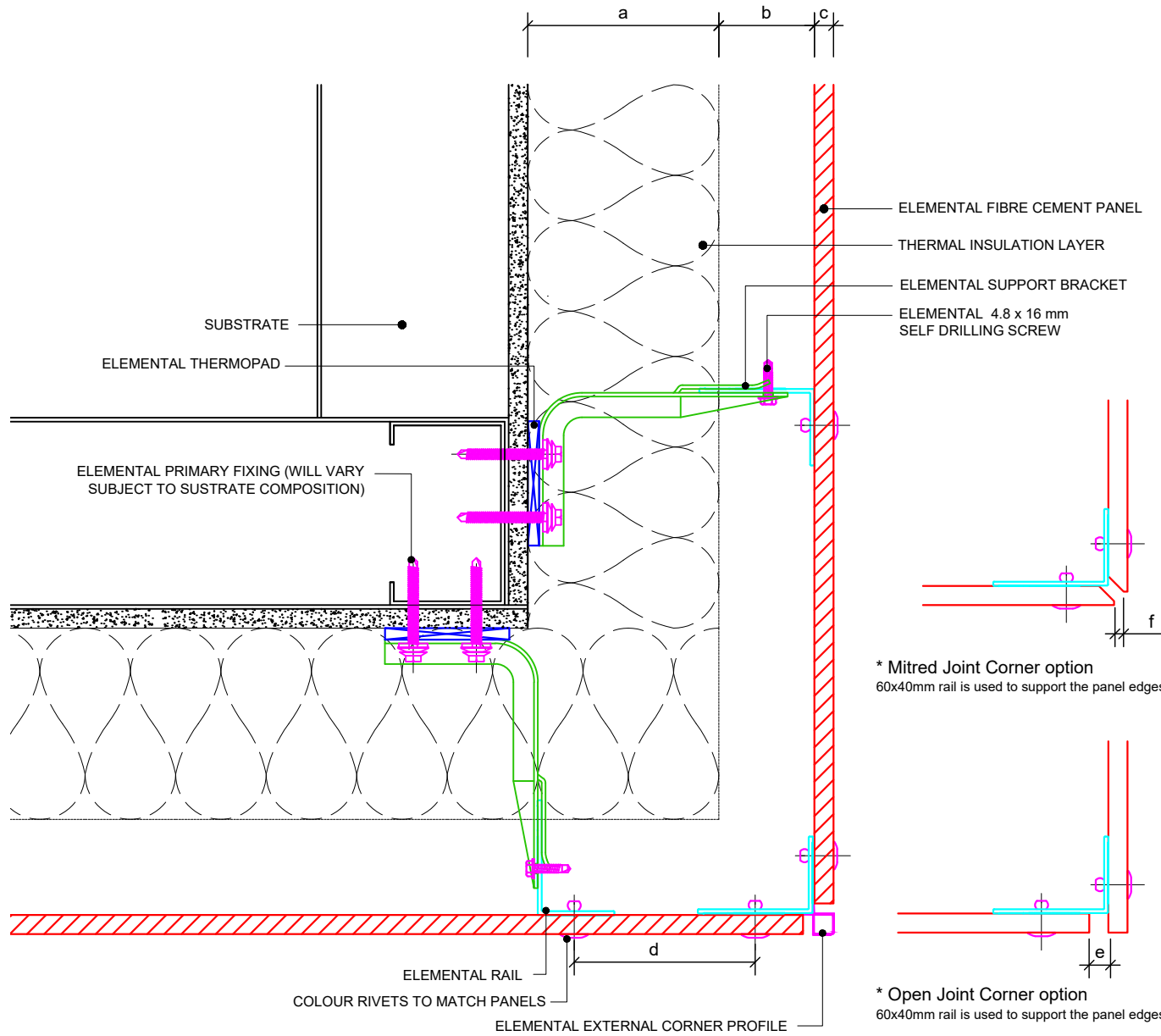


Dimensions	
a	Insulation thickness (varies)
b	Free vertical ventilation gap
c	Panel nominal thickness
d	Panel Joint - 10mm / to match building movement joint
e	Building Structural Movement Joint
a+b	Clad Zone

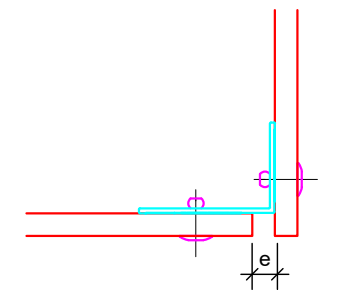
 <p>Elemental Architectural Cladding Specialists #29 The Cubes Offices, Beacon South Quarter, Sandyford Dublin 18, D18 A264 Phone: +353 (0)1 293 8951 Email: info@elemental.ie</p>	Drawing Title	ELEMENTAL FIBRE CEMENT - FACE FIX BUILDING STRUCTURAL MOVEMENT JOINT									
	Drawing No.	EL-SB-RFC07	System:	EL-Rivet Fibre Cement	Size:	A4	Scale:	NTS	Drawn:	V.C.	Rev.

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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

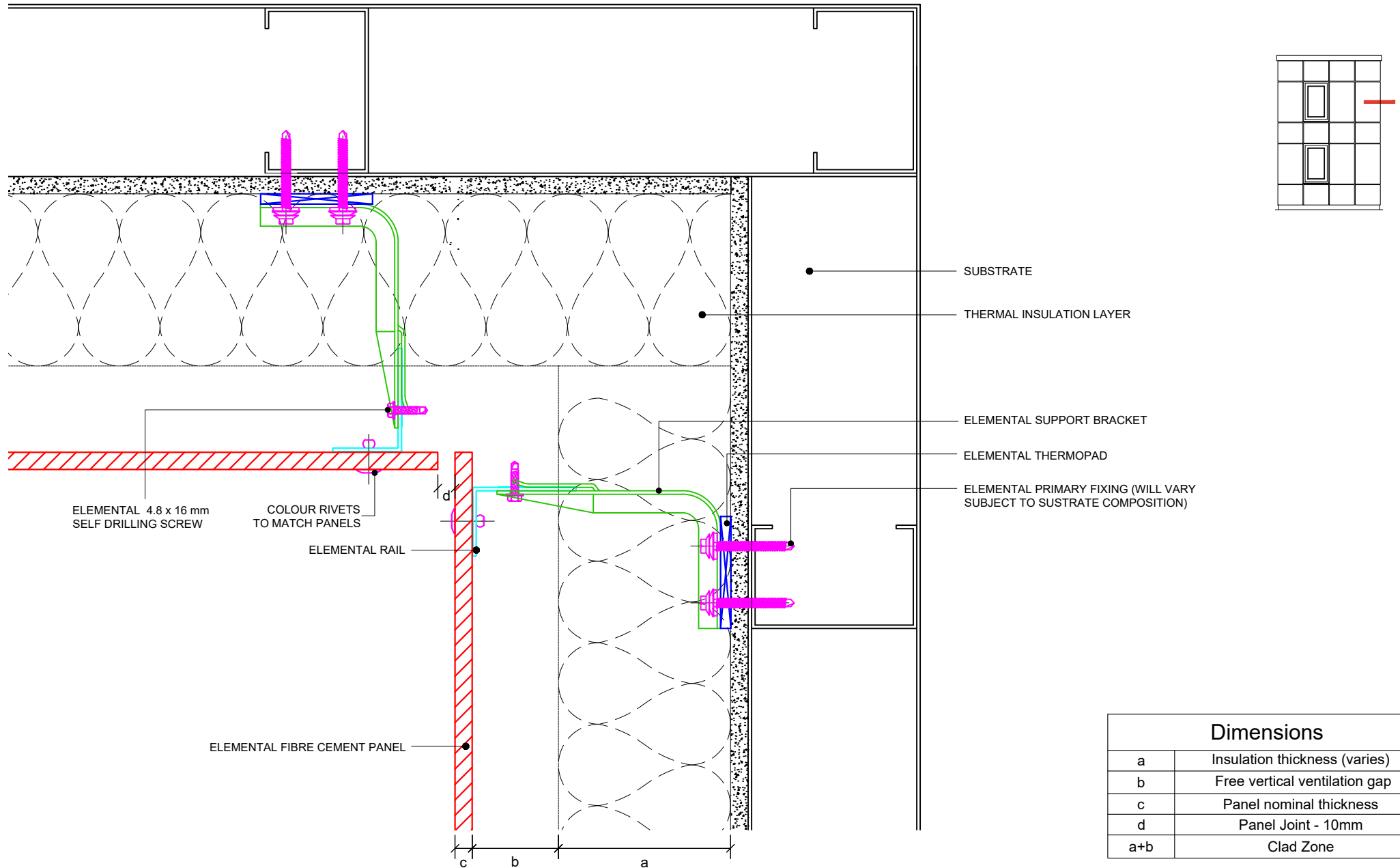
Dimensions	
a	Insulation thickness (varies)
b	Free vertical ventilation gap
c	Panel nominal thickness
d	≤ 300mm
e	Panel Joint - 10mm
f	Mitred Joint projection - 5mm
a+b	Clad Zone



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Drawing Title		ELEMENTAL FIBRE CEMENT - FACE FIX EXTERNAL CORNER DETAILS									
Drawing No.	EL-SB-RFC08	System:	EL-Rivet Fibre Cement	Size:	A4	Scale:	NTS	Drawn:	V.C.	Rev.	01

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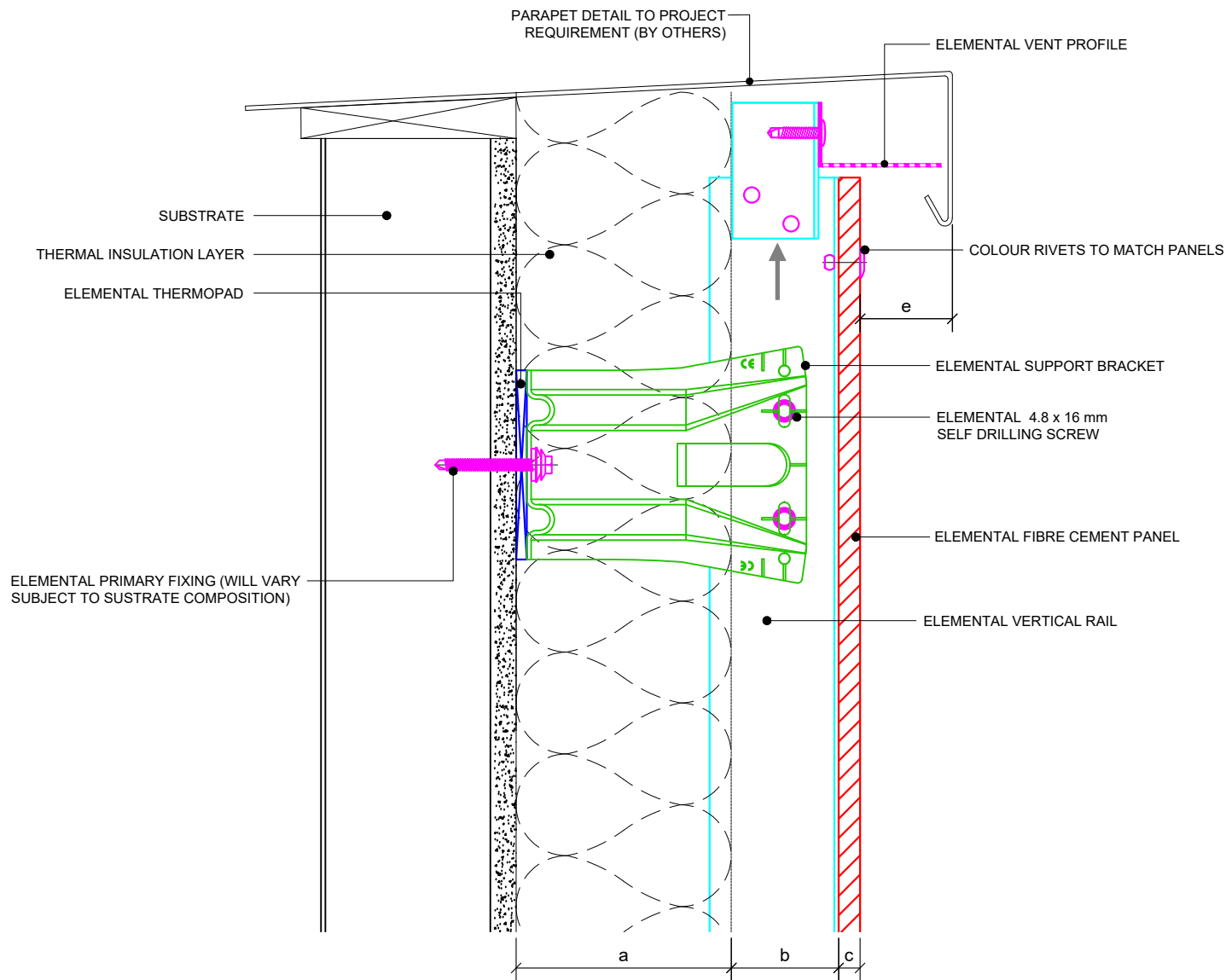
Dimensions	
a	Insulation thickness (varies)
b	Free vertical ventilation gap
c	Panel nominal thickness
d	Panel Joint - 10mm
a+b	Clad Zone



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Drawing Title		ELEMENTAL FIBRE CEMENT - FACE FIX INTERNAL CORNER DETAIL									
Drawing No.	EL-SB-RFC09	System:	EL-Rivet Fibre Cement	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
a+b	Clad Zone



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Drawing Title

**ELEMENTAL FIBRE CEMENT- FACE FIX
 GENERIC PARAPET DETAIL**

Drawing No.

EL-SB-RFC10

System:

**EL-Rivet
 Fibre Cement**

Size:

A4

Scale:

NTS

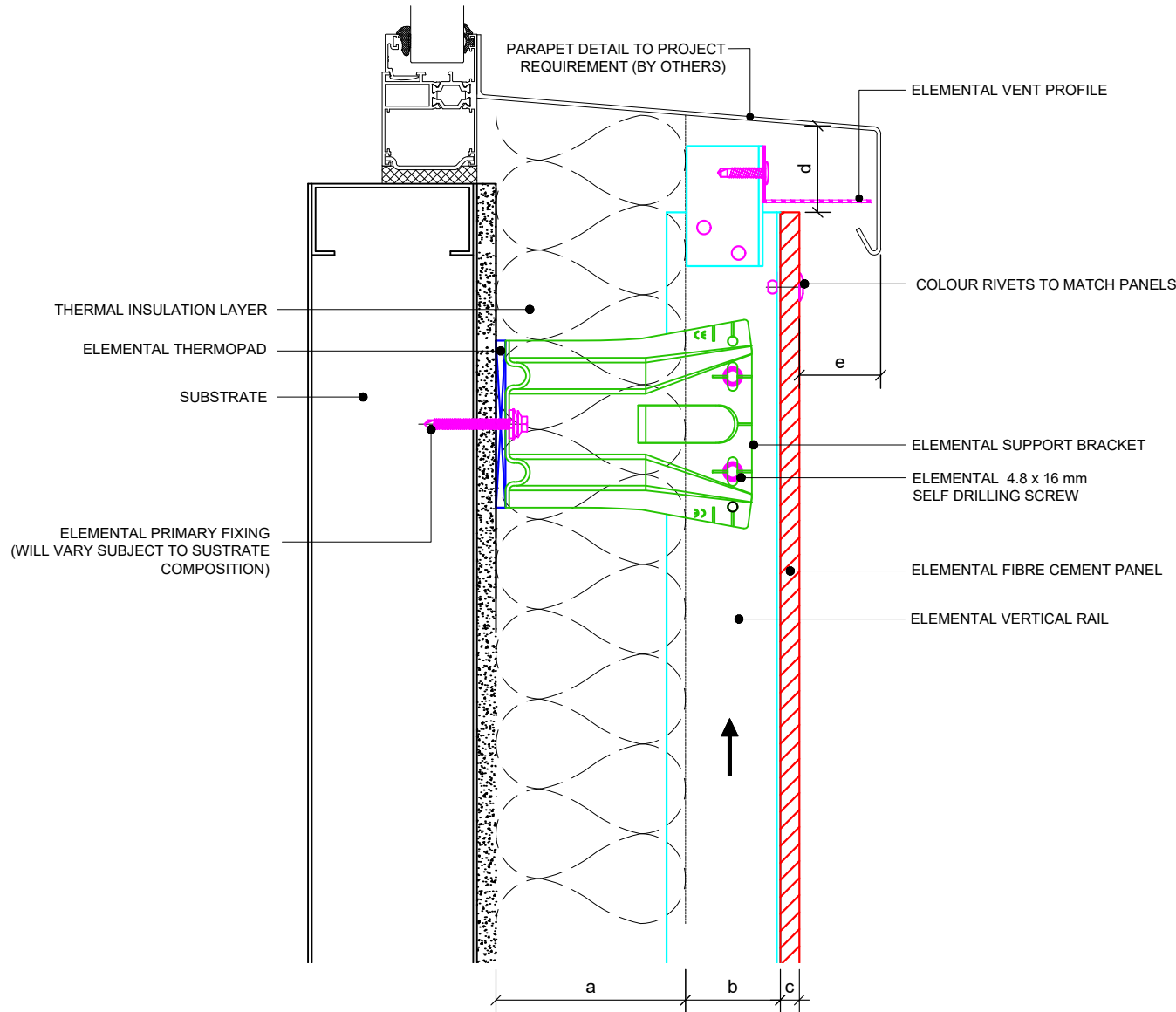
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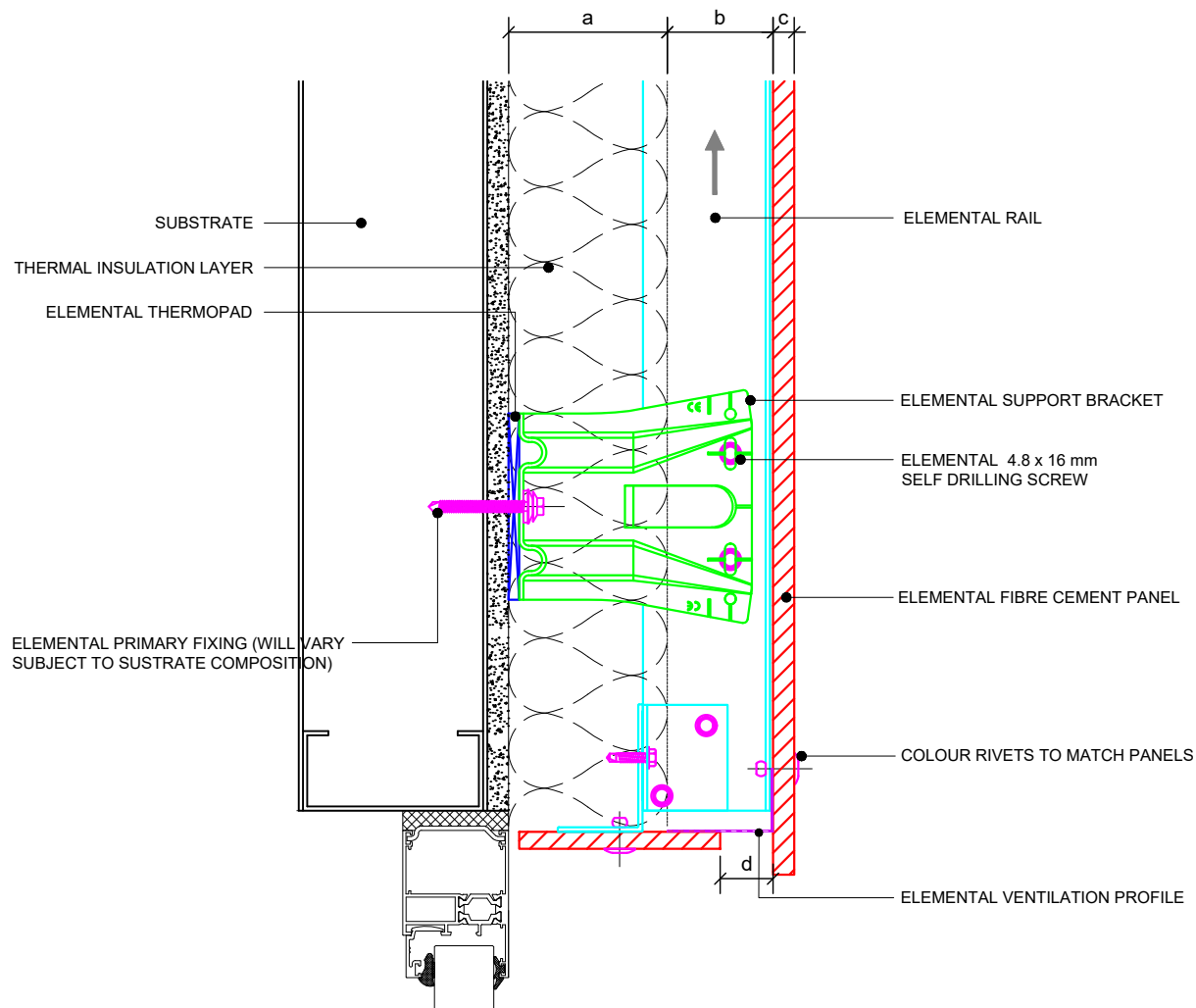
Dimensions	
a	Insulation thickness (varies)
b	Free vertical ventilation gap
c	Panel nominal thickness
d	Ventilation inlet / outlet gaps
e	≥ 40mm
a+b	Clad Zone



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Drawing Title		ELEMENTAL FIBRE CEMENT - FACE FIX WINDOW CILL DETAIL									
Drawing No.	EL-SB-RFC11	System:	EL-Rivet Fibre Cement	Size:	A4	Scale:	NTS	Drawn:	V.C.	Rev.	01

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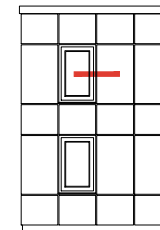
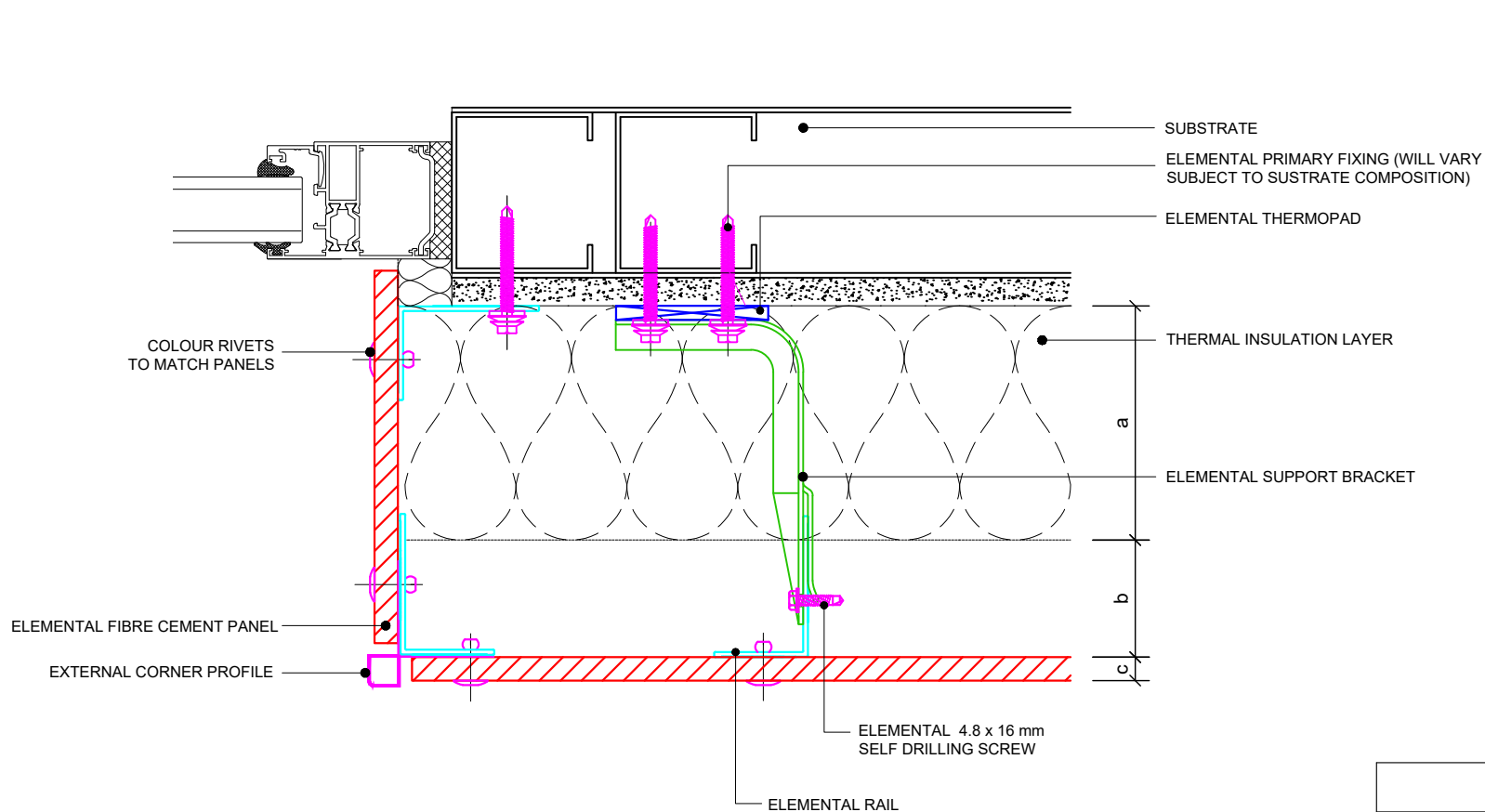
Dimensions	
a	Insulation thickness (varies)
b	Free vertical ventilation gap
c	Panel nominal thickness
d	Ventilation inlet / outlet gaps
a+b	Clad Zone

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Drawing Title	ELEMENTAL FIBRE CEMENT - FACE FIX WINDOW HEAD DETAIL										
Drawing No.	EL-SB-RFC12	System:	EL-Rivet Fibre Cement	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
a+b	Clad Zone



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Drawing Title

**ELEMENTAL FIBRE CEMENT - FACE FIX
WINDOW JAMB DETAIL**

Drawing No.

EL-SB-RFC13

System:

**EL-Rivet
Fibre Cement**

Size:

A4

Scale:

NTS

Drawn:

V.C.

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