

## Ventilated facade EL-CB-MHU

Elemental-Concrete Bracket- MSF Horizontal ULMA

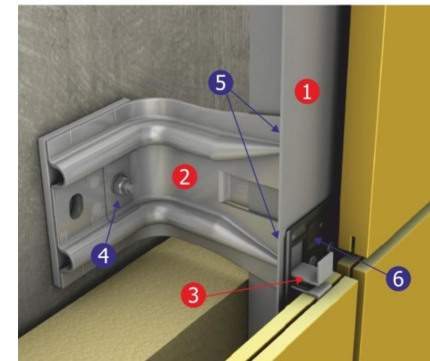
## ULMA, Polymer Concrete

Mechanical Secret Fix onto 2-layer

Metal substructure

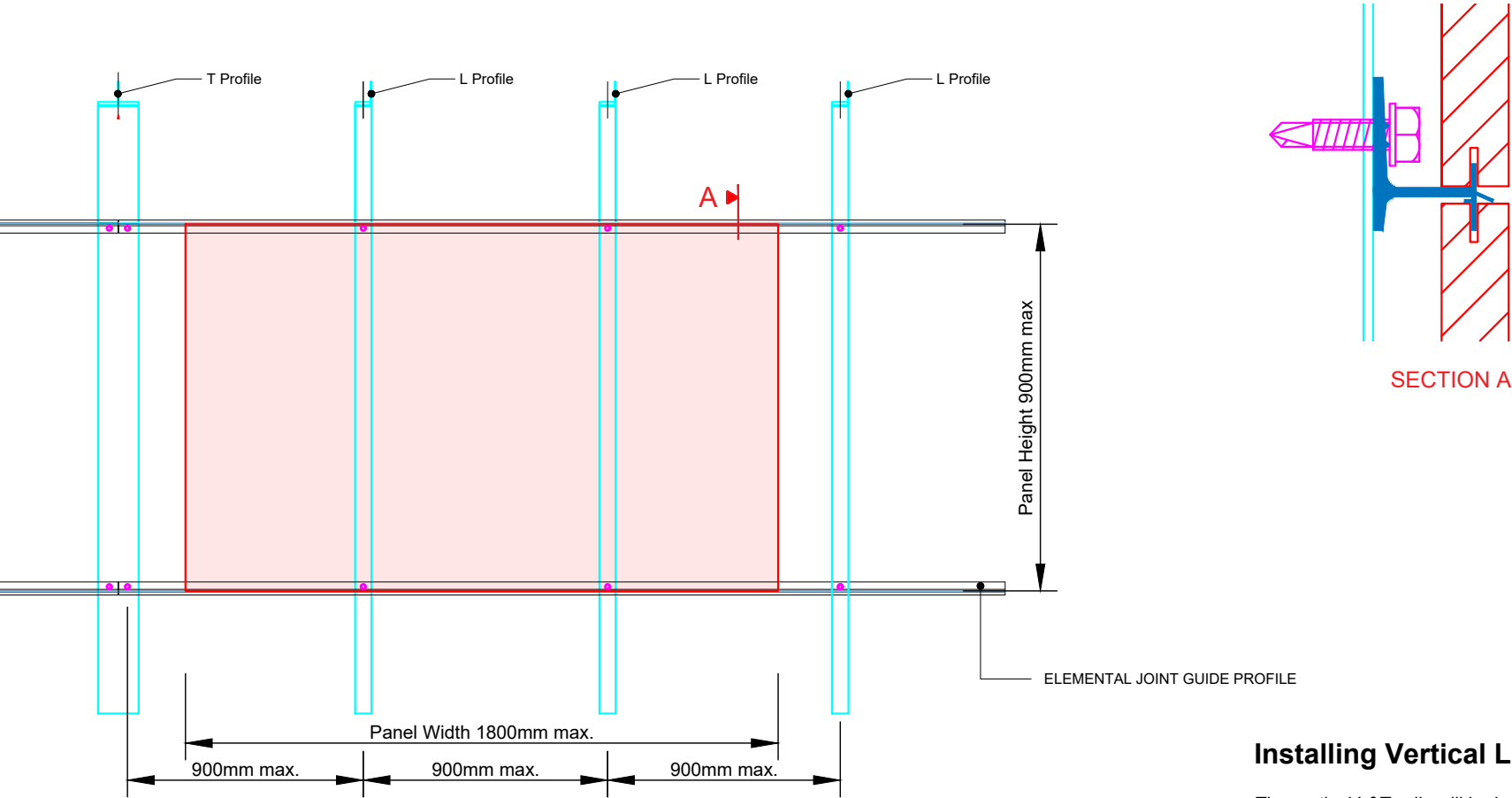
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- 1 'I' or 'T' Rail
- 2 Support Bracket
- 3 Panel Support Clip or Continuous Rail
- FIXINGS:**
- 4 Bracket to Wall Fixings/Anchors
- 5 Rail to Bracket Fixings
- 6 Clip/Rail to Vertical Rail Fixing

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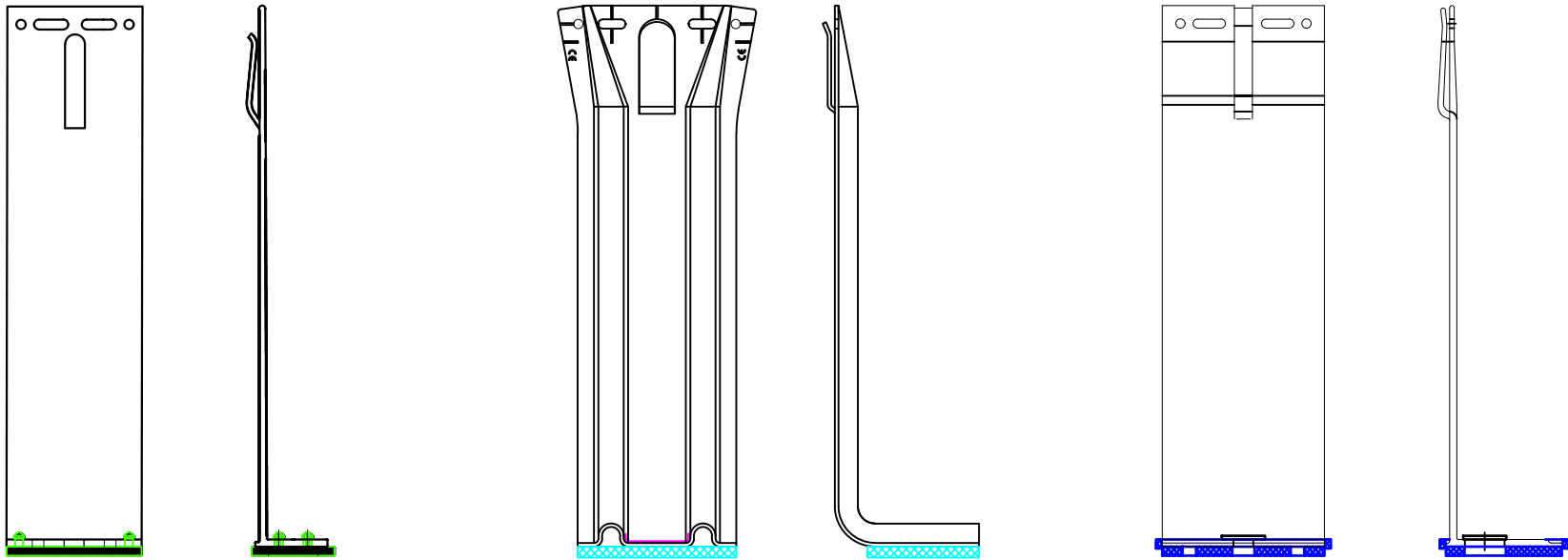
Installing Vertical L and T Rails

The vertical L&T-rails will be installed at a maximum distance of 90 cm. The flatness of the L&T-rails framework must be guaranteed using a suitable anchoring system, in order to ensure that the cladding system has the correct flatness. The perfectly aligned and plumbed L&T-rails will be secured to the brackets with fixed and slotted holes, so they guarantee sufficient movement of the substructure.

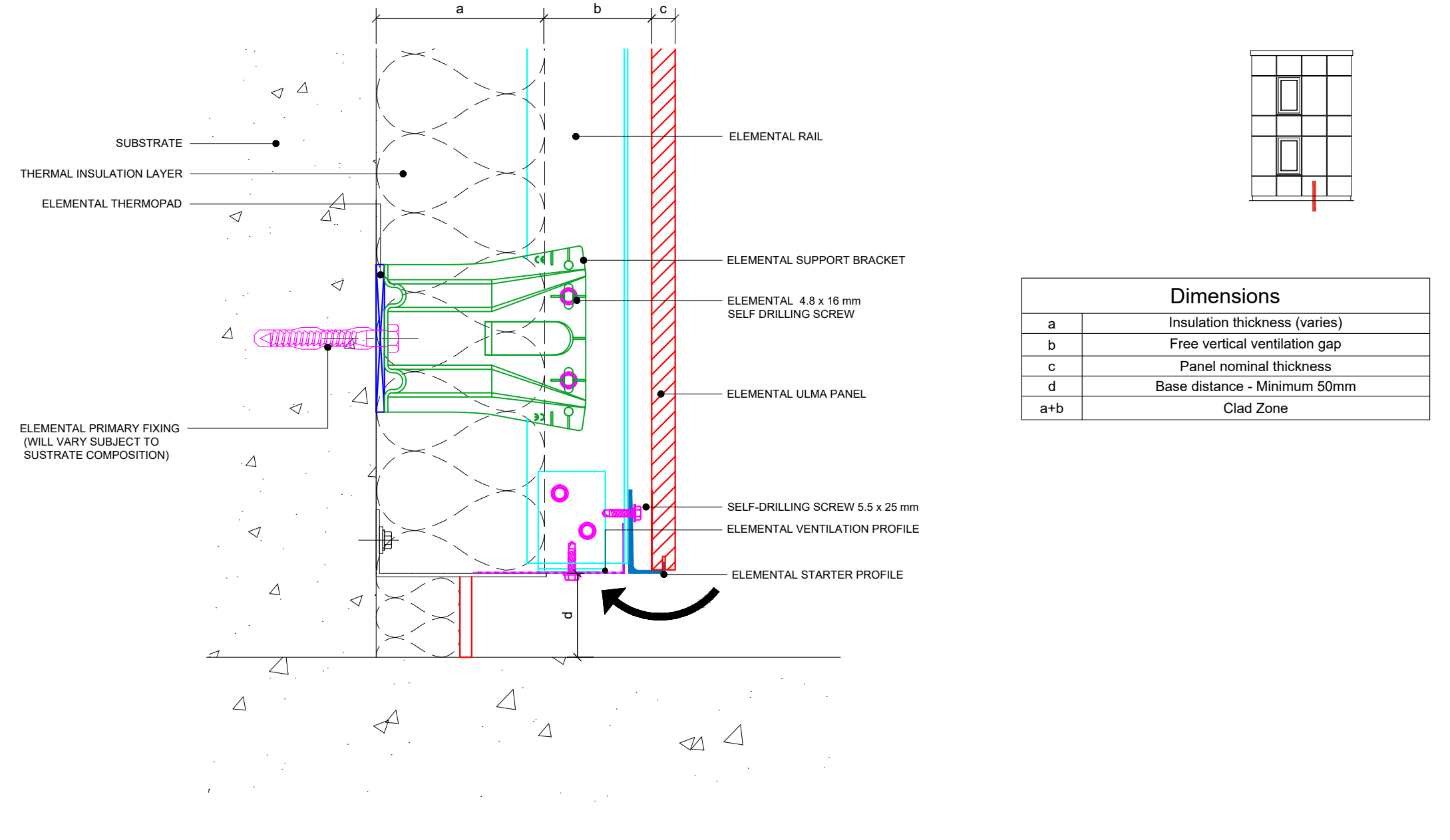
	<b>Elemental Architectural Cladding Specialists</b> #29 The Cubes Offices, Beacon South Quarter, Sandyford Dublin 18, D18 A264 Phone: +353 (0)1 293 8951 Email: info@elemental.ie		Drawing Title											
			ELEMENTAL ULMA - MSF - HORIZONTAL SYSTEM SYSTEM LAYOUT											
			Drawing No.	EL-CB-MHU01	System:	EL-MSF HZ-ULMA	Size:	A4	Scale:	NTS	Drawn:	V.C.	Rev.	01

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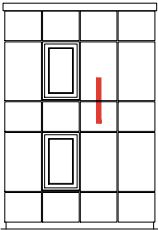
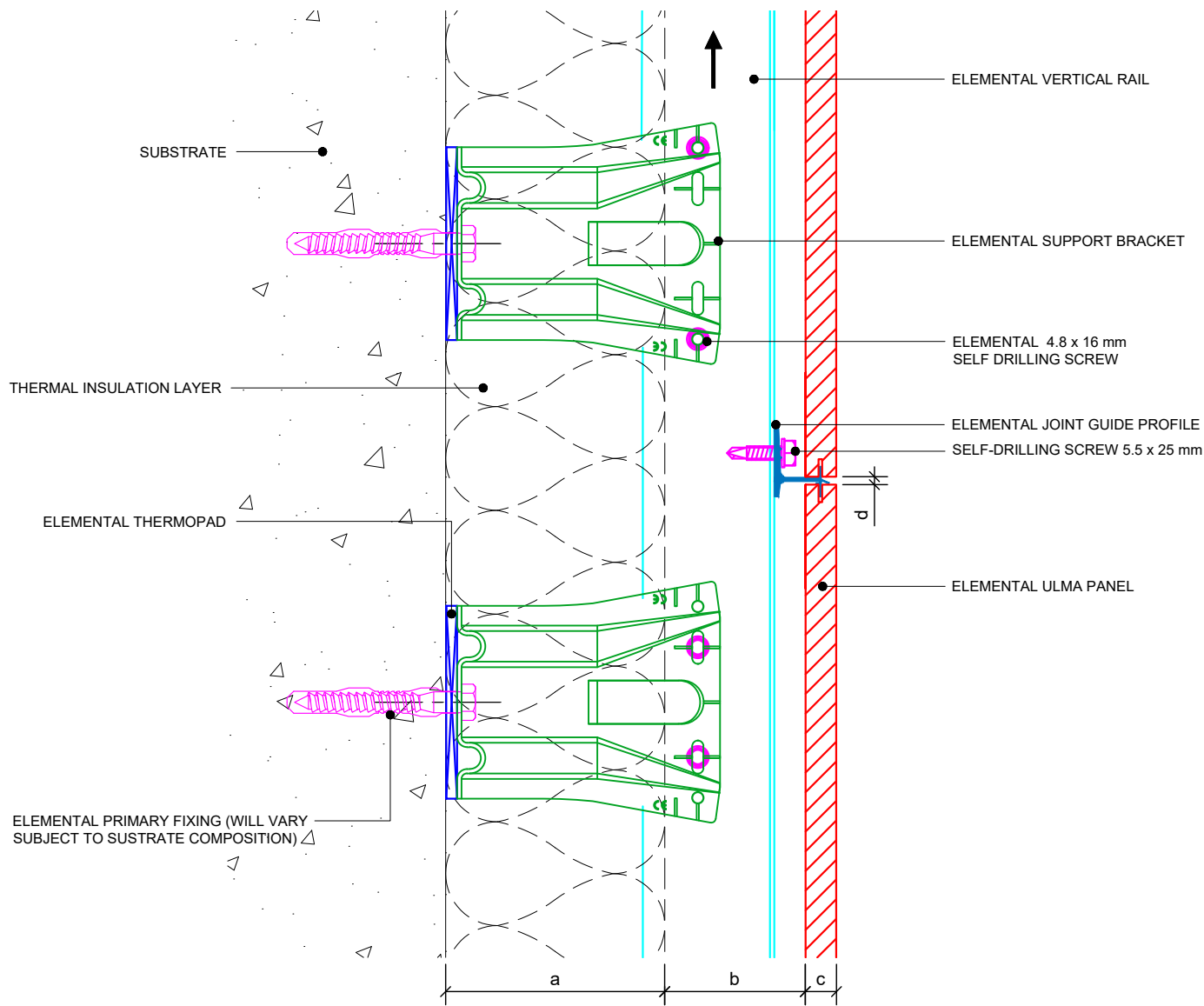
# BRACKET TYPES AVAILABLE FROM ELEMENTAL



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Dimensions	
a	Insulation thickness (varies)
b	Free vertical ventilation gap
c	Panel nominal thickness
d	Panel Joint - 3mm
a+b	Clad Zone



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Drawing Title

ELEMENTAL ULMA - MSF - HORIZONTAL SYSTEM  
HORIZONTAL PANEL JOINT DETAIL

Drawing No.

EL-CB-MHU04

System:

EL-MSF  
HZ-ULMA

Size:

A4

Scale:

NTS

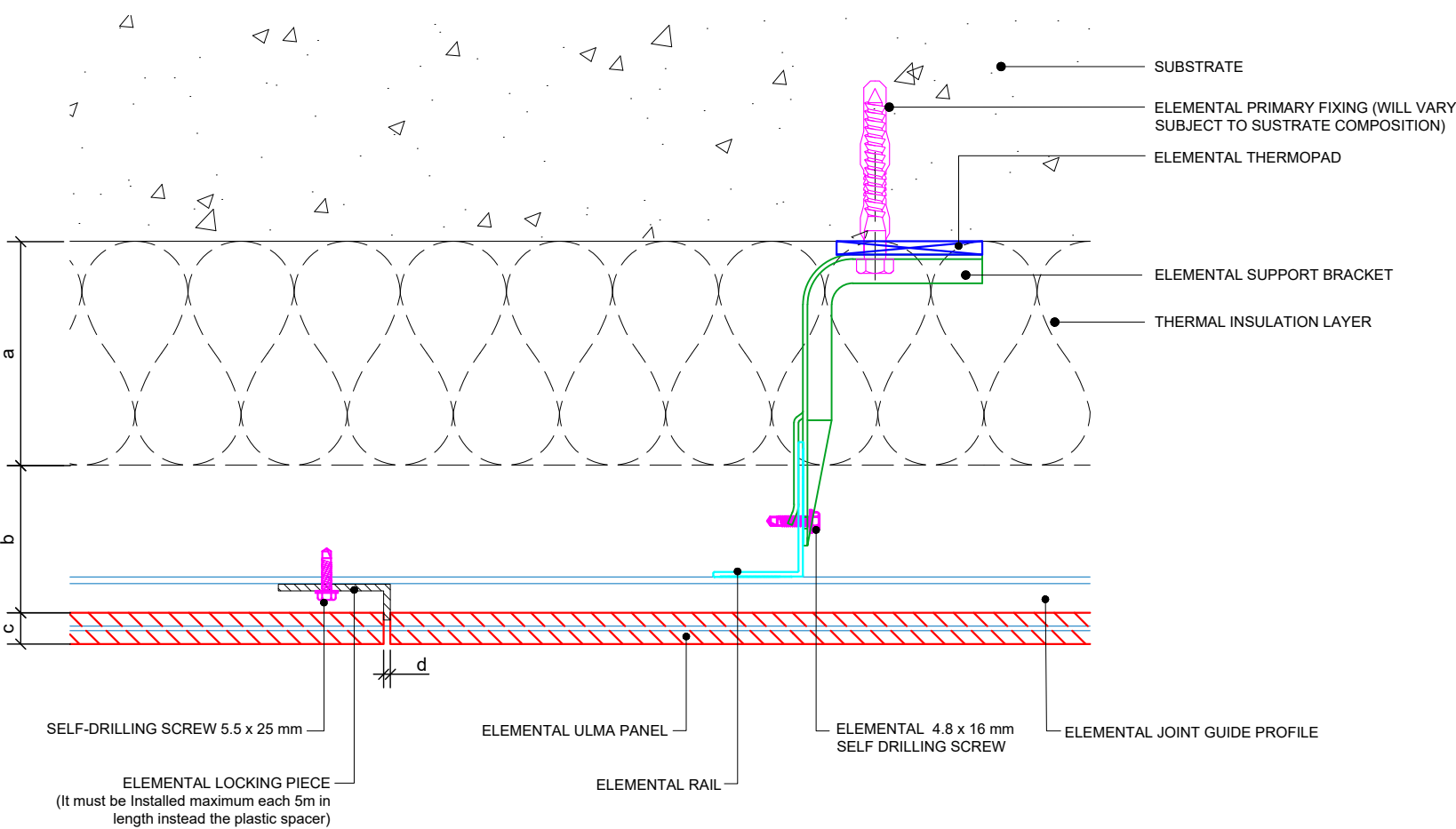
Drawn:

V.C.


Rev.

01

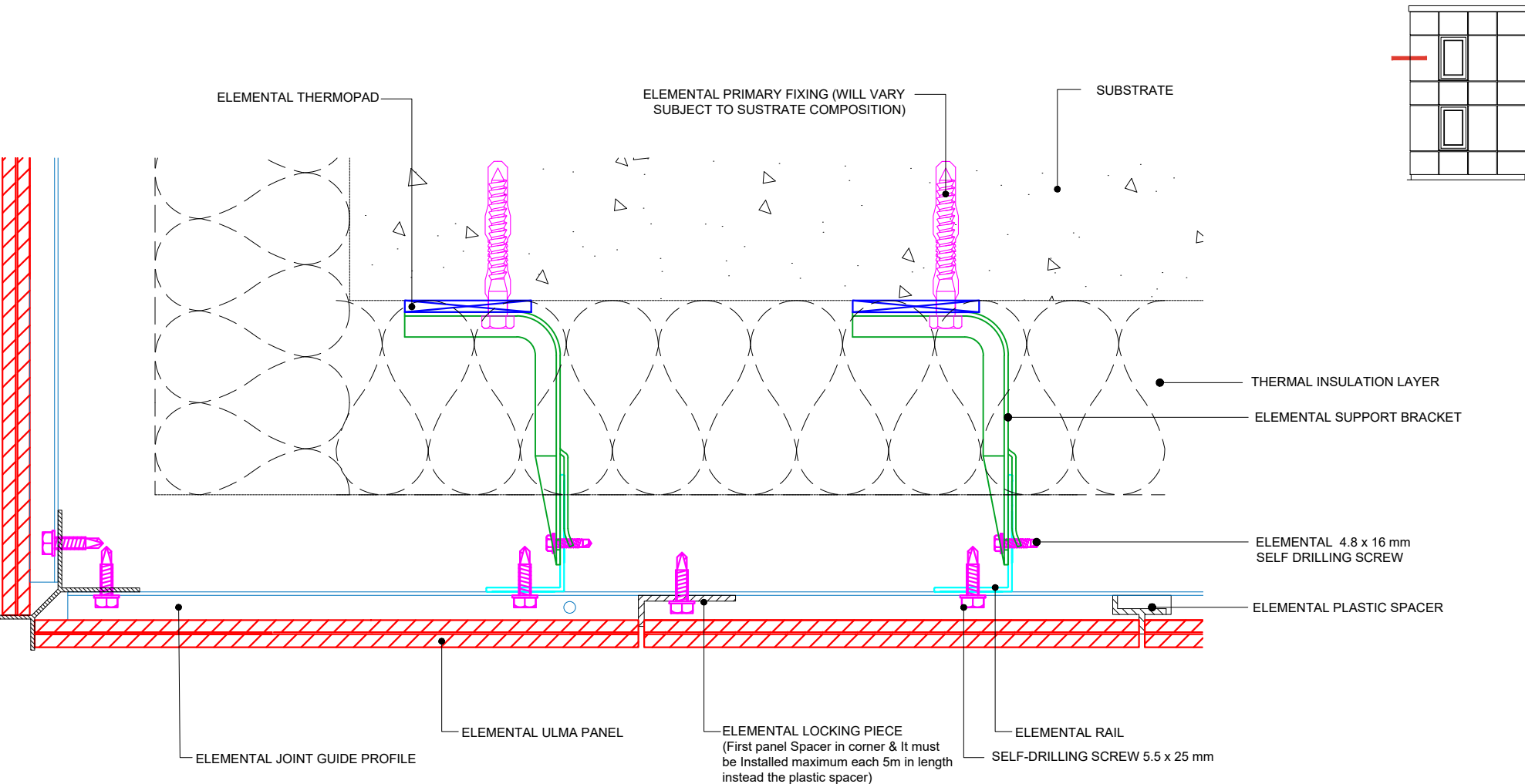
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Dimensions	
a	Insulation thickness (varies)
b	Free vertical ventilation gap
c	Panel nominal thickness
d	Panel Joint - 3mm
a+b	Clad Zone

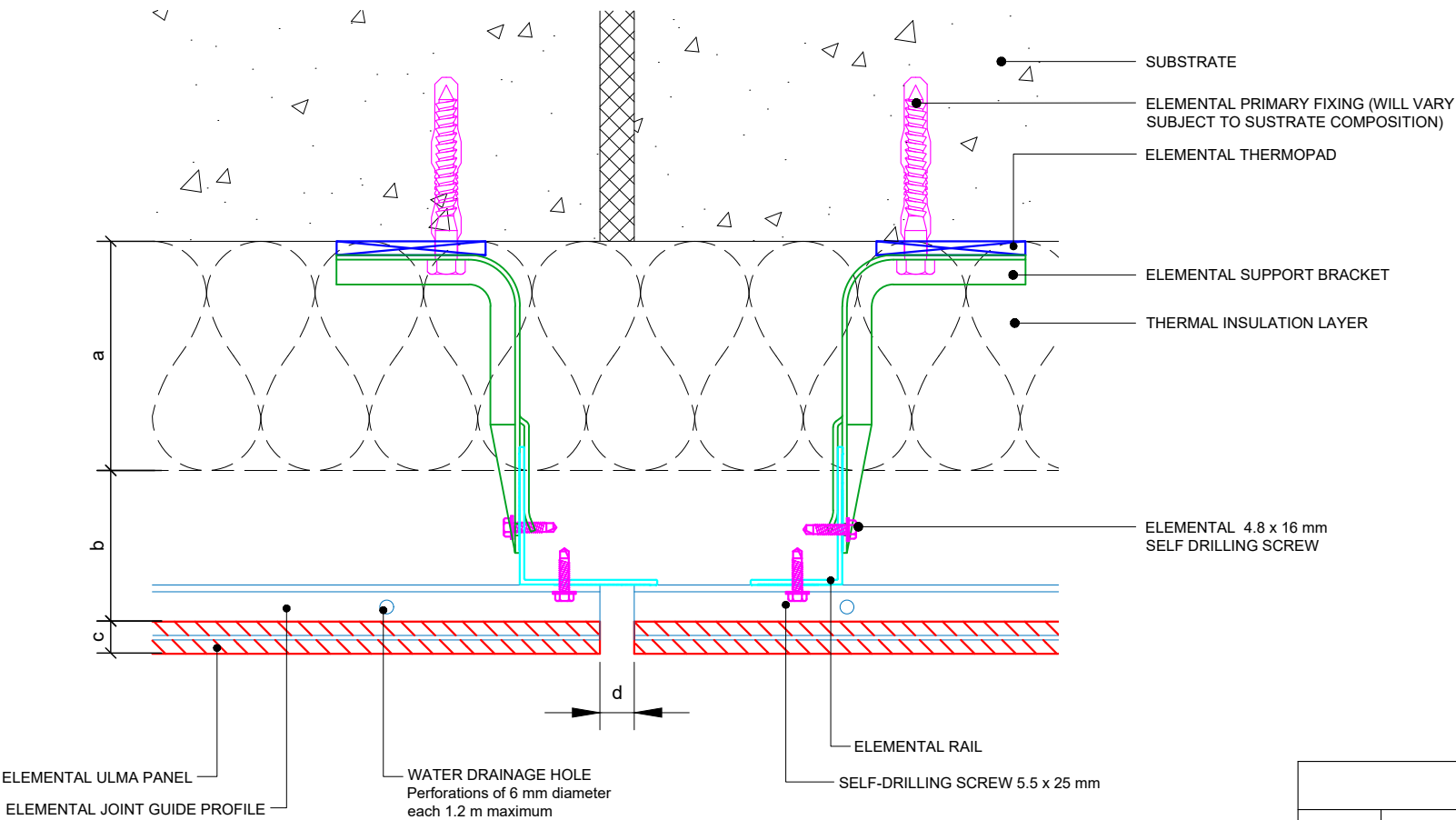
 <b>elemental</b> Architectural Cladding Specialists	<b>Elemental Architectural Cladding Specialists</b> #29 The Cubes Offices, Beacon South Quarter, Sandyford Dublin 18, D18 A264 Phone: +353 (0)1 293 8951 Email: info@elemental.ie	Drawing Title <b>ELEMENTAL ULMA - MSF- HORIZONTAL SYSTEM VERTICAL PANEL JOINT DETAIL</b>										
		Drawing No.	EL-CB-MHU05	System:	EL-MSF HZ-ULMA	Size:	<b>A4</b>	Scale:	<b>NTS</b>	Drawn:	<b>V.C.</b>	Rev.

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			Drawing No.	EL-CB-MHU06	System:	EL-MSF HZ-ULMA	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	The Building's expansion joints must always coincide with a vertical joint on the ventilated facade ( 15 to 20 mm)
a+b	Clad Zone



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Drawing Title

**ELEMENTAL ULMA - MSF - HORIZONTAL SYSTEM  
BUILDING STRUCTURAL MOVEMENT JOINT**

Drawing No.

**EL-CB-MHU07**

System:

**EL-MSF  
HZ-ULMA**

Size:

**A4**

Scale:

**NTS**

Drawn:

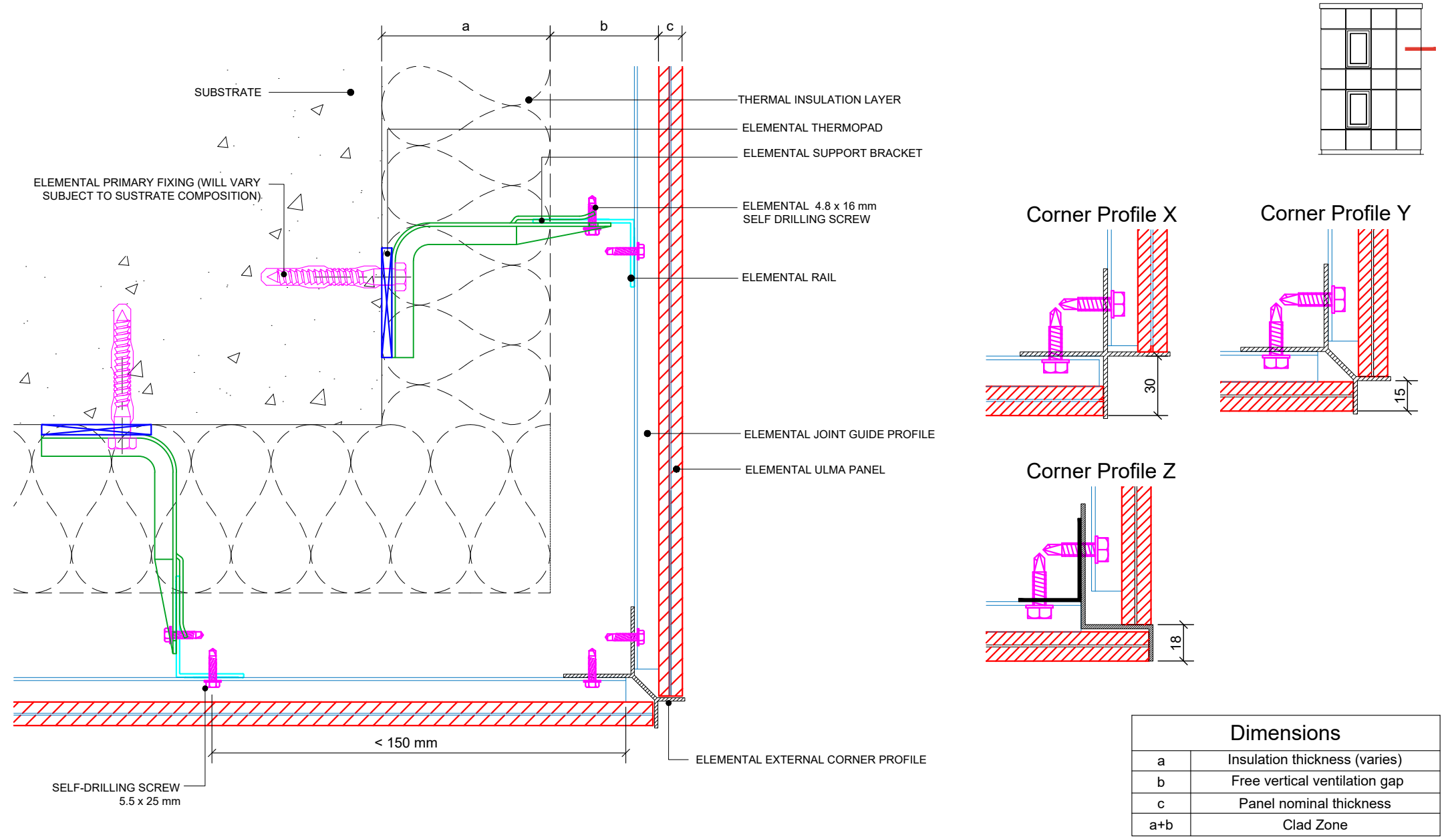
**V.C.**

Rev.

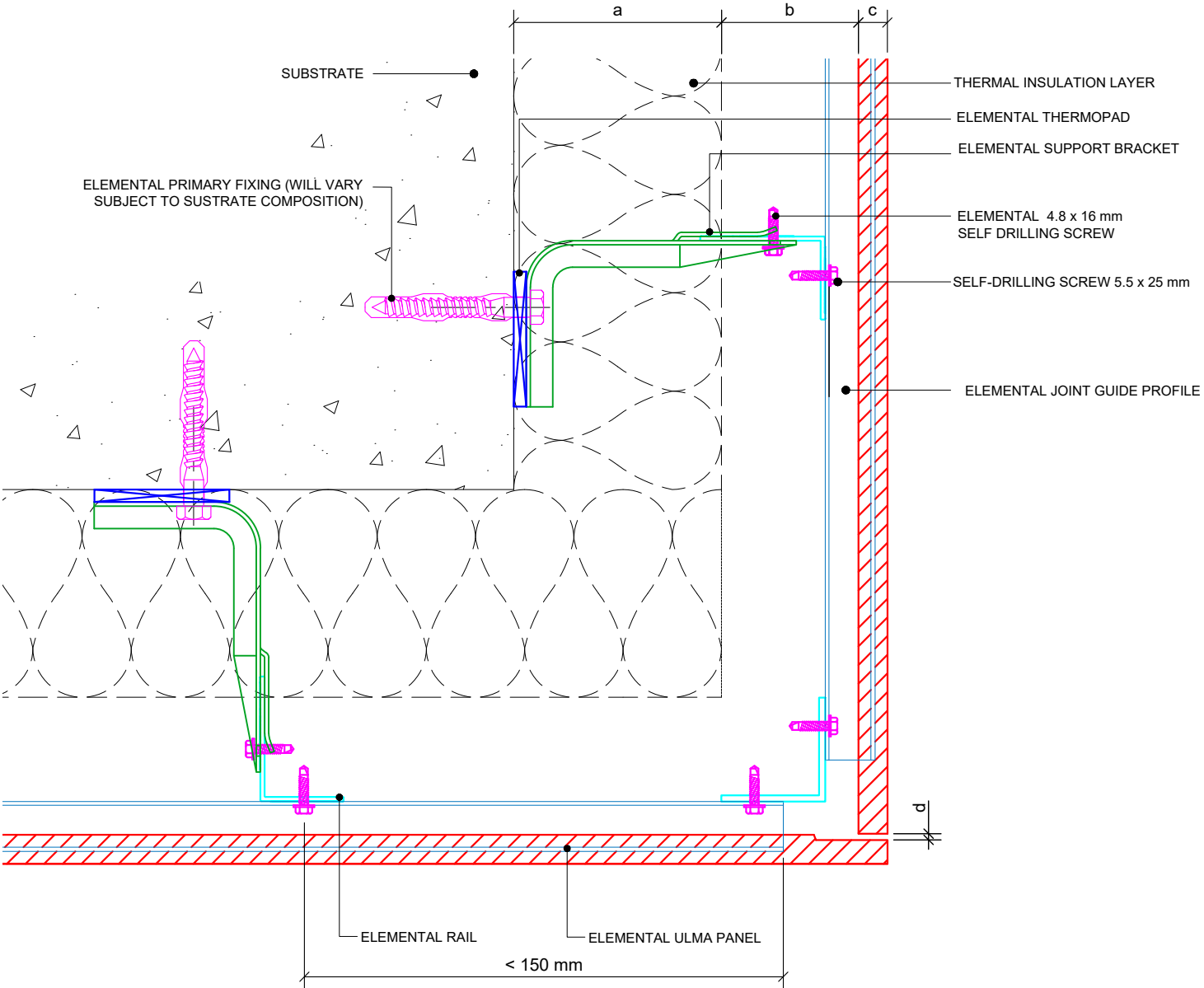
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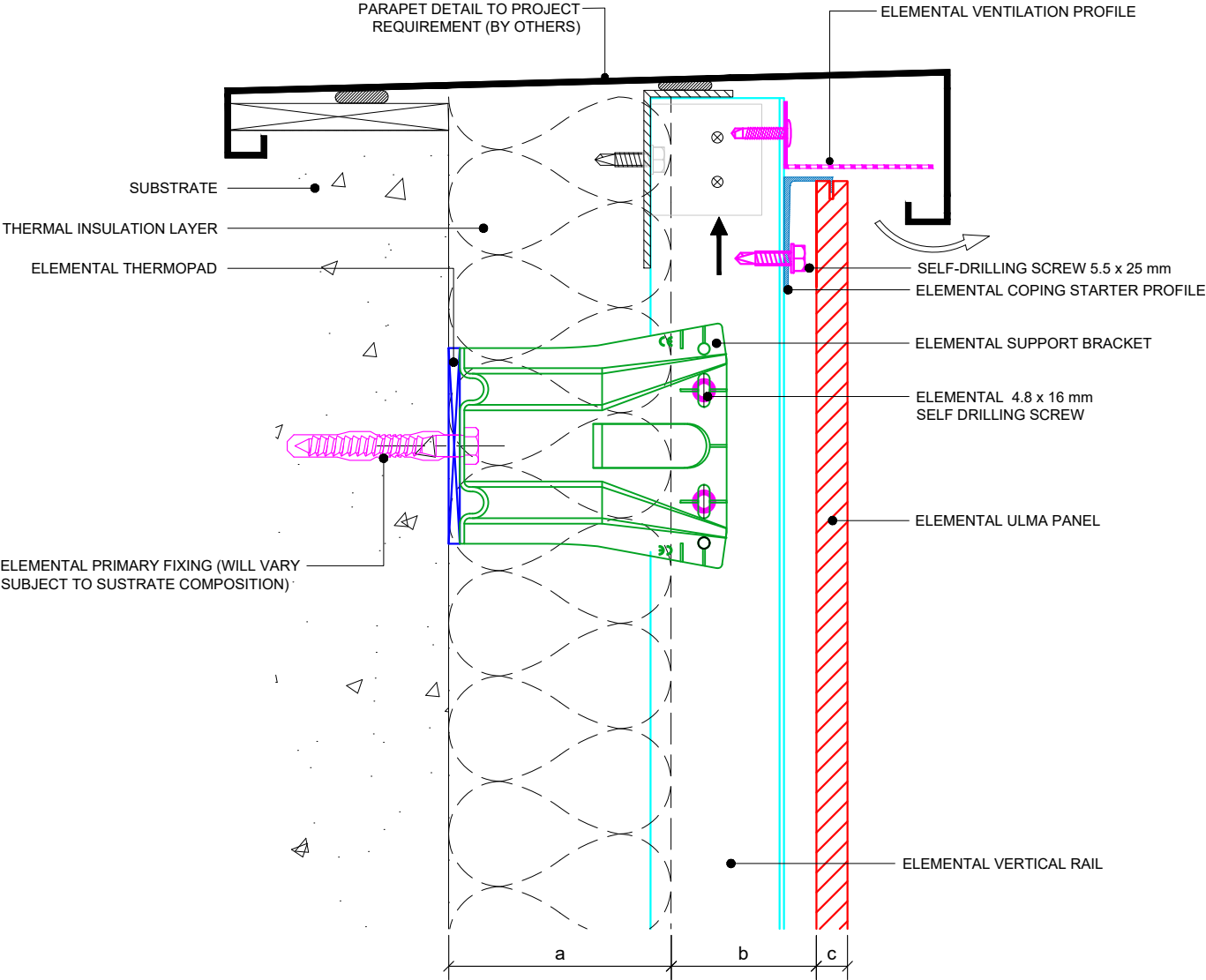
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Dimensions	
a	Insulation thickness (varies)
b	Free vertical ventilation gap
c	Panel nominal thickness
d	Panel Joint - 3mm
a+b	Clad Zone



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 ULMA - MSF- HORIZONTAL SYSTEM  
GENERIC PARAPET DETAIL**

Drawing No.

**EL-CB-MHU10**

System:

**EL-MSF  
HZ-ULMA**

Size:

**A4**

Scale:

**NTS**

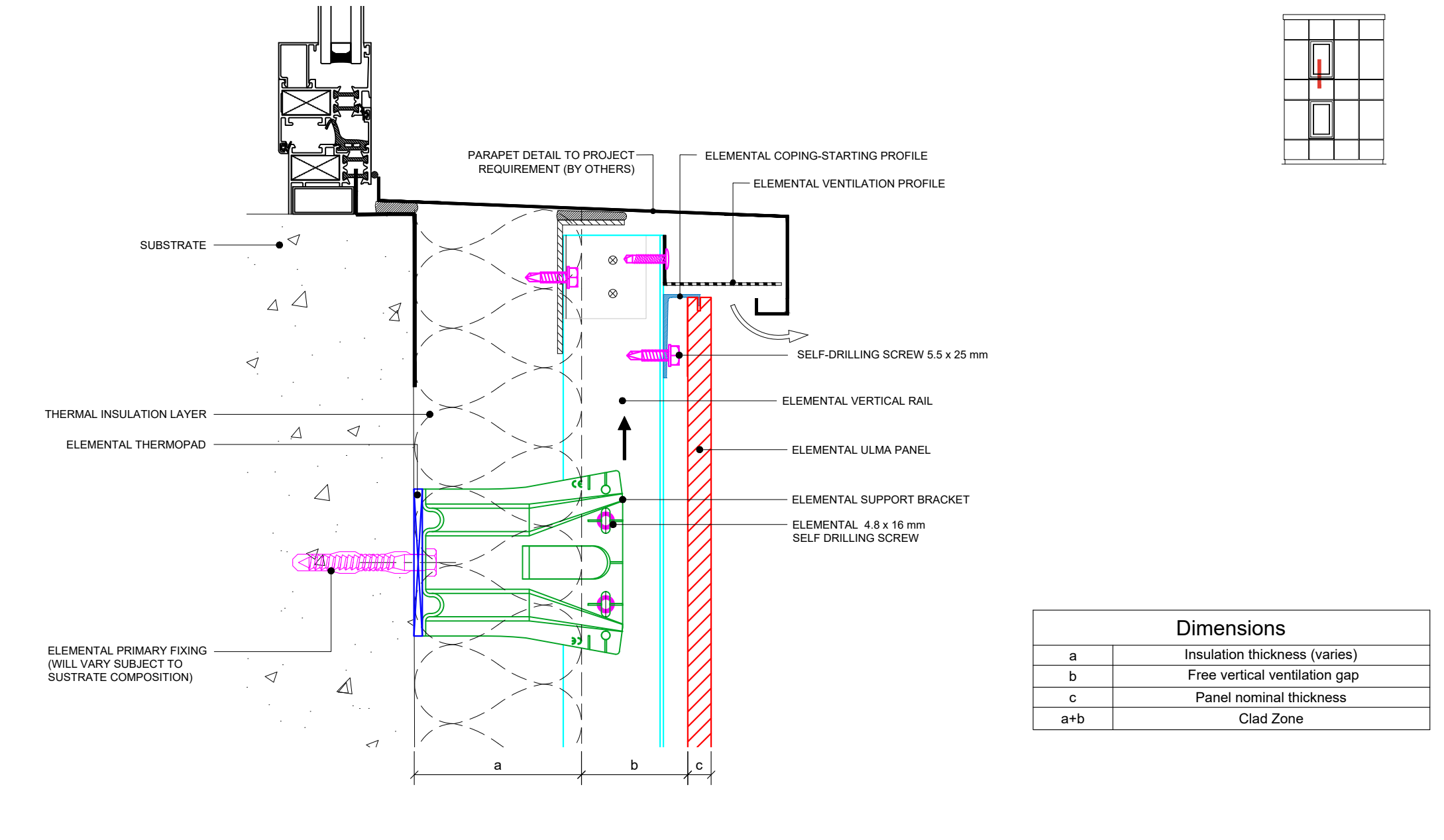
Drawn:

**V.C.**

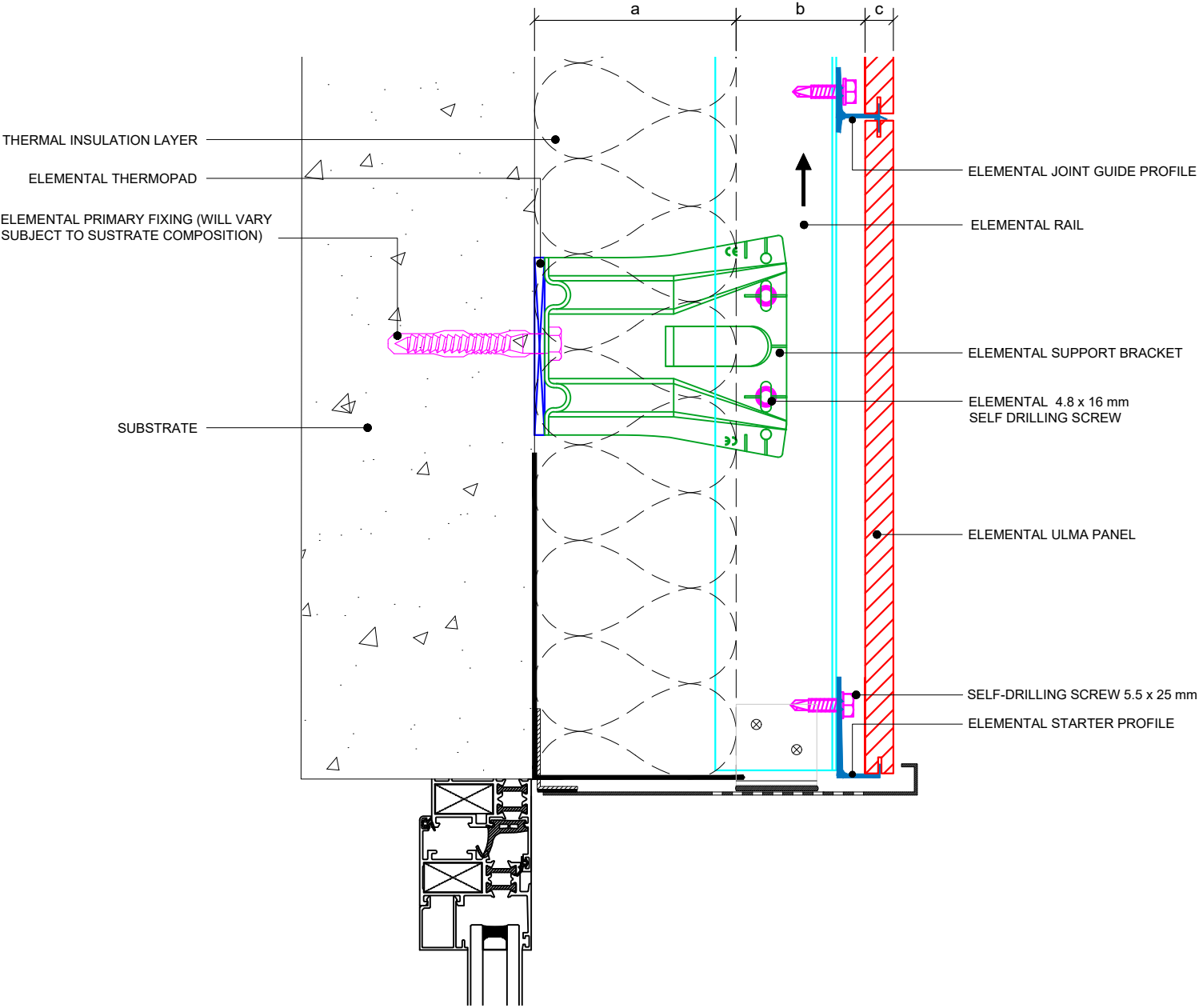
Rev.

**01**

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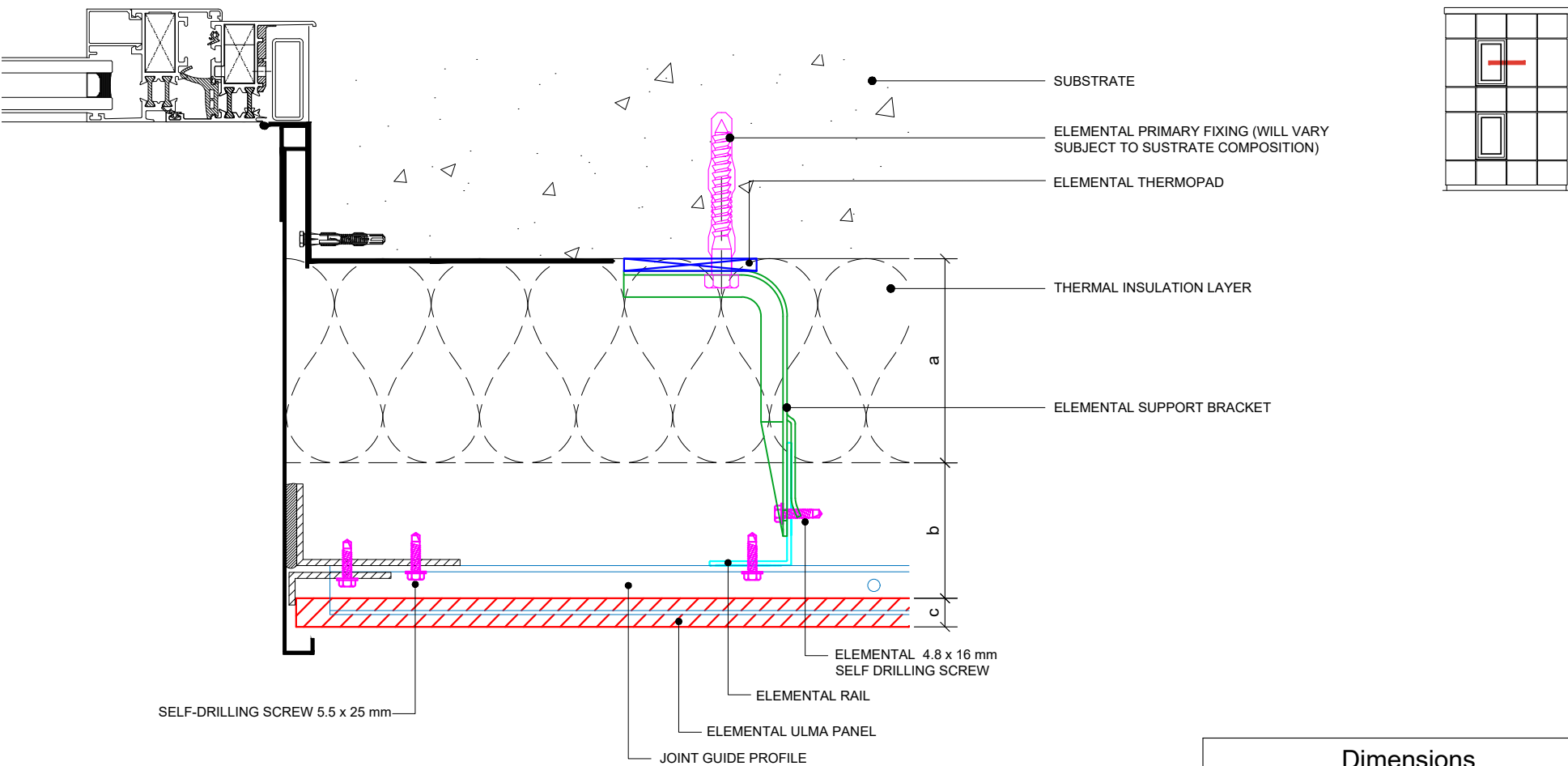
Dimensions	
a	Insulation thickness (varies)
b	Free vertical ventilation gap
c	Panel nominal thickness
a+b	Clad Zone



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Drawing Title		ELEMENTAL ULMA - MSF- HORIZONTAL SYSTEM WINDOW HEAD DETAIL									
Drawing No.	EL-CB-MHU12	System:	EL-MSF HZ-ULMA	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