

Facade System

Ventilated facade EL-CB-MHU

Elemental-Concrete Bracket- MSF Horizontal ULMA

ULMA, Polymer Concrete

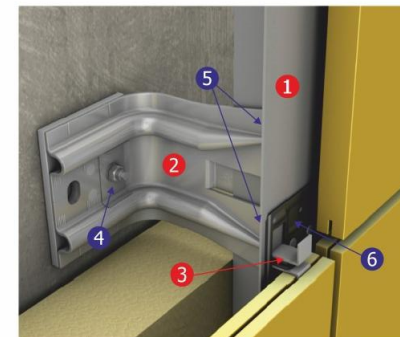
Mechanical Secret Fix onto 2-layer

Metal substructure

Contents:

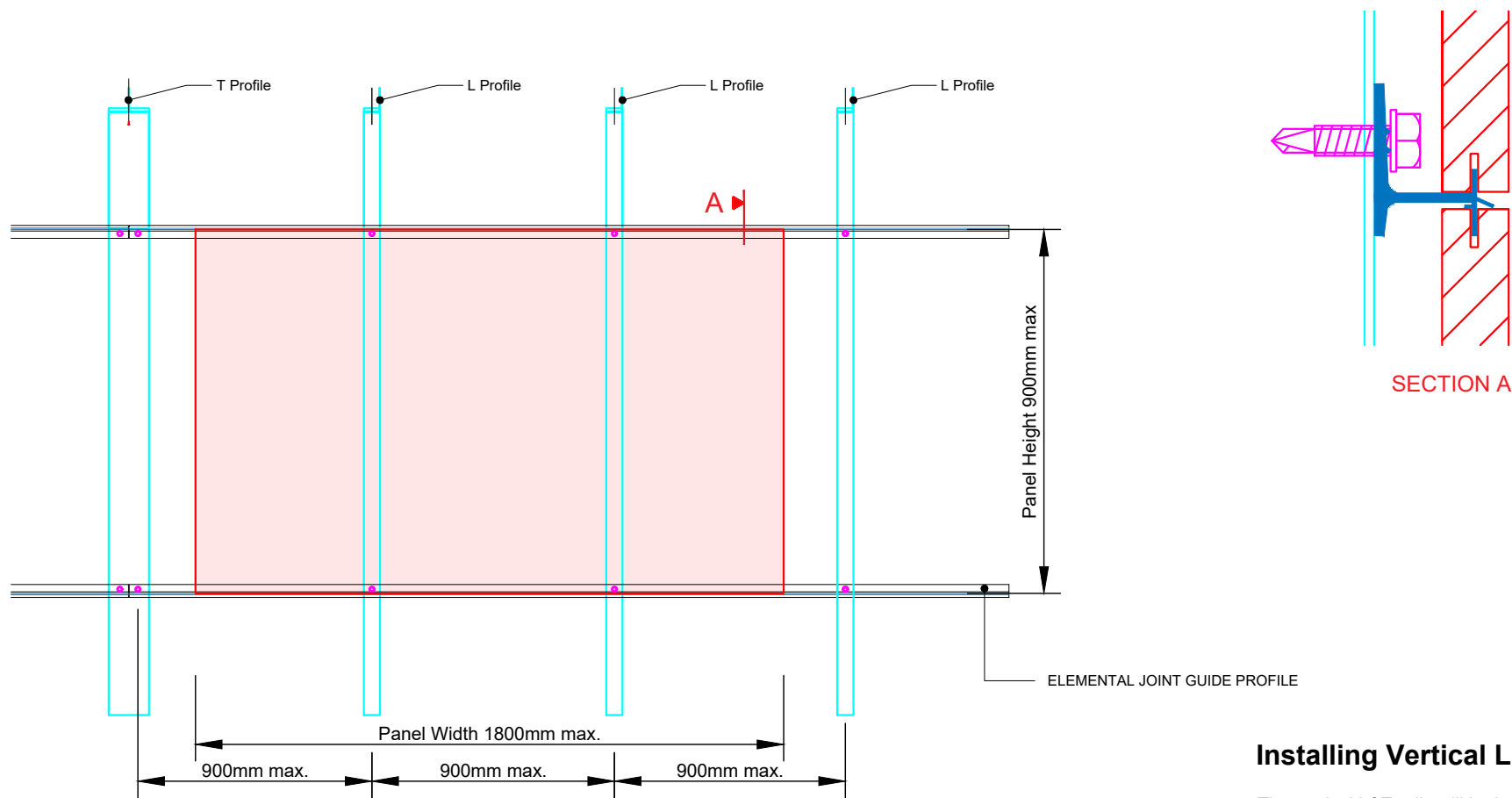
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EL-CB-MHU03	BASE DETAIL
EL-CB-MHU04	HORIZONTAL PANEL JOINT DETAIL
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EL-CB-MHU06	SPACER AND LOCKING PIECES - JOINT
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Image for illustration purposes



- 1 'L' 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

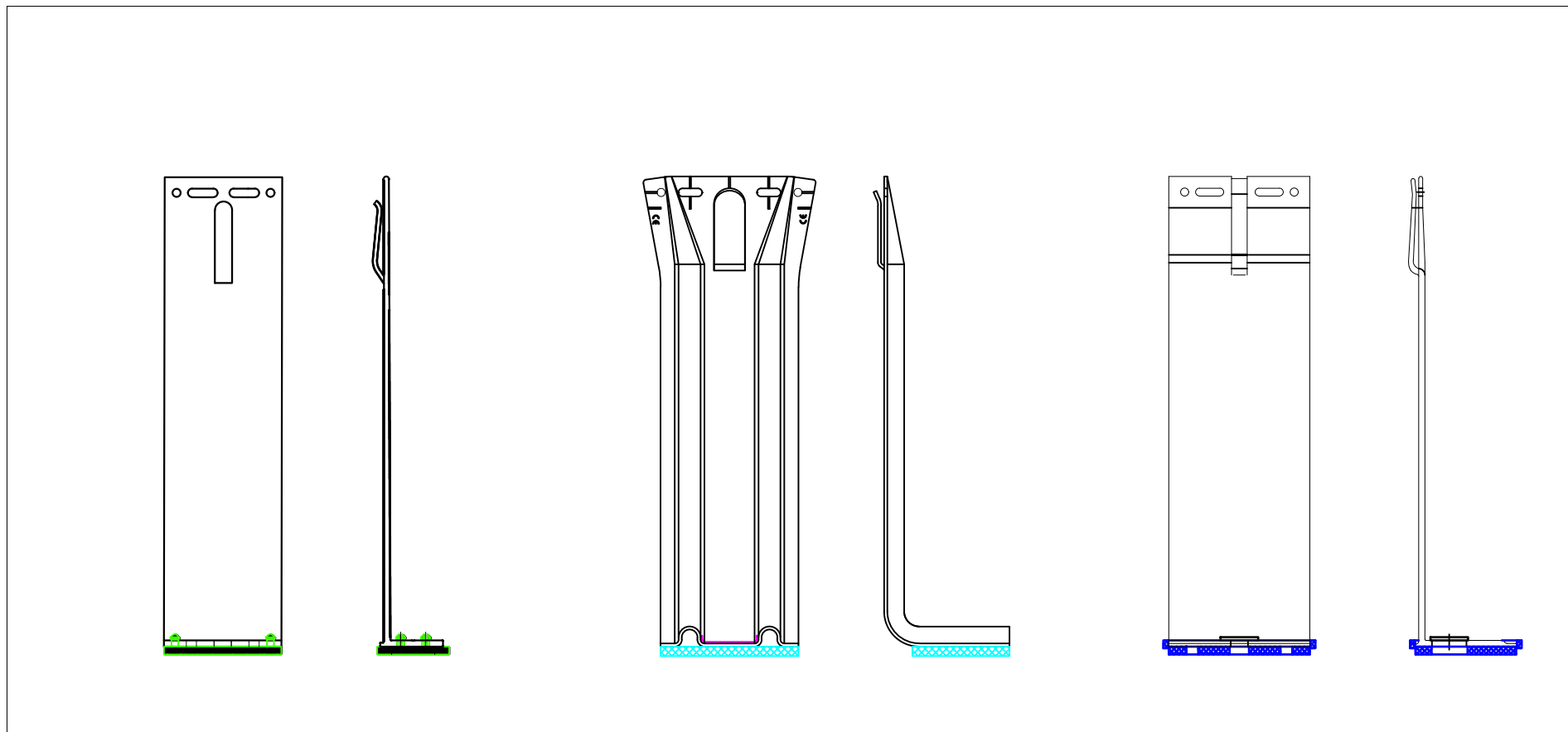
The vertical L&T-rails will be installed at a maximum distance of 90 cm. The flatness of the L&T-rails framework must be guaranteed using a suitable anchoring system, in order to ensure that the cladding system has the correct flatness. The perfectly aligned and plumbed L&T-rails will be secured to the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



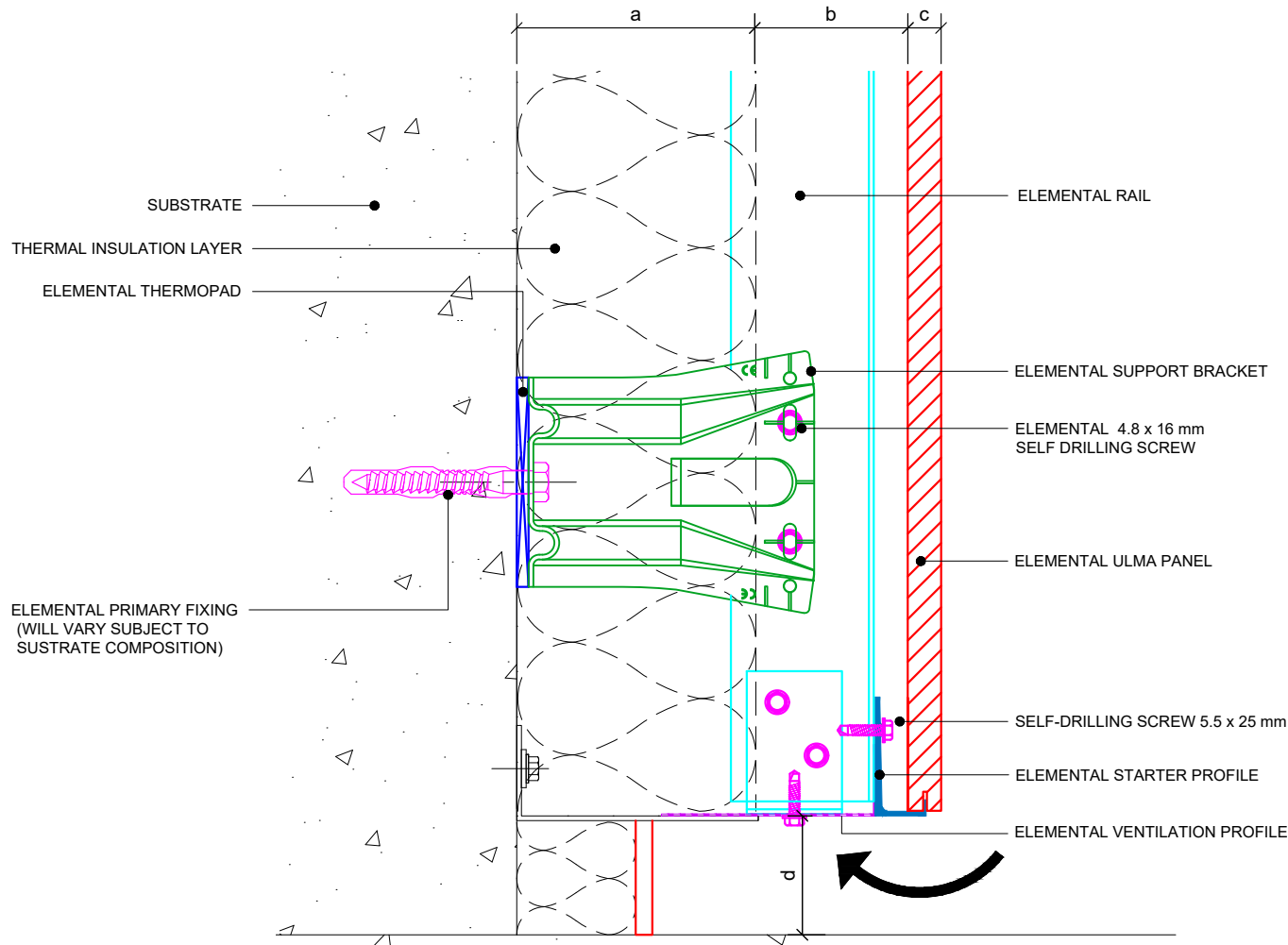
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Drawing Title	ELEMENTAL ULMA - MSF - HORIZONTAL SYSTEM SYSTEM LAYOUT										
Drawing No.	EL-CB-MHU01	System:	EL-MSF HZ-ULMA	Size:	A4	Scale:	NTS	Drawn:	V.C.	Rev.	01

BRACKET TYPES AVAILABLE FROM ELEMENTAL



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Dimensions	
a	Insulation thickness (varies)
b	Free vertical ventilation gap
c	Panel nominal thickness
d	Base distance - Minimum 30mm
a+b	Clad Zone



elemental
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Drawing Title

**ELEMENTAL ULMA - MSF - HORIZONTAL SYSTEM
BASE DETAIL**

Drawing No.

EL-CB-MHU03

System:

**EL-MSF
HZ-ULMA**

Size:

A4

Scale:

NTS

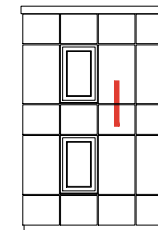
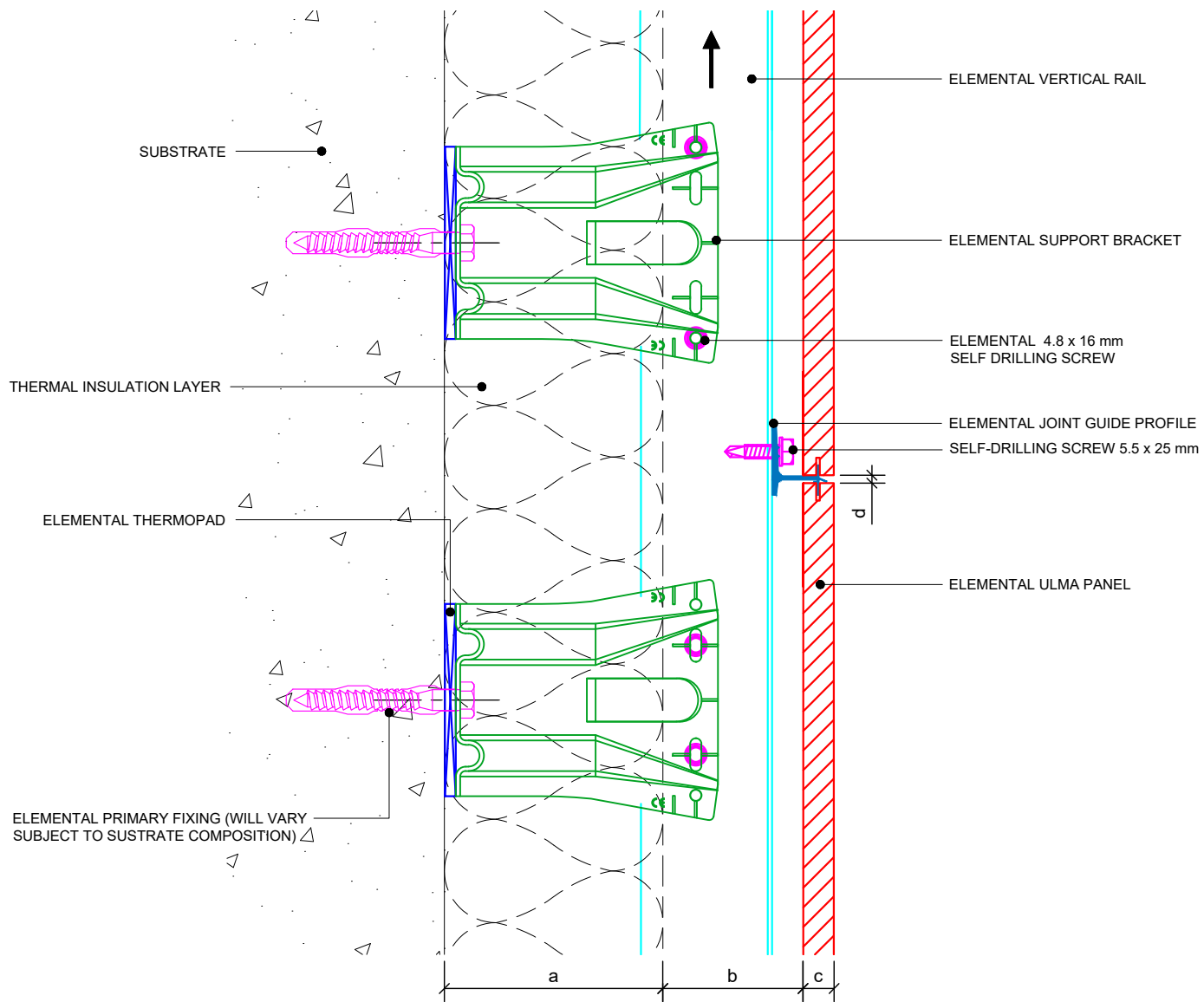
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V.C.

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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

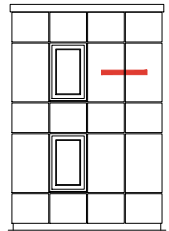
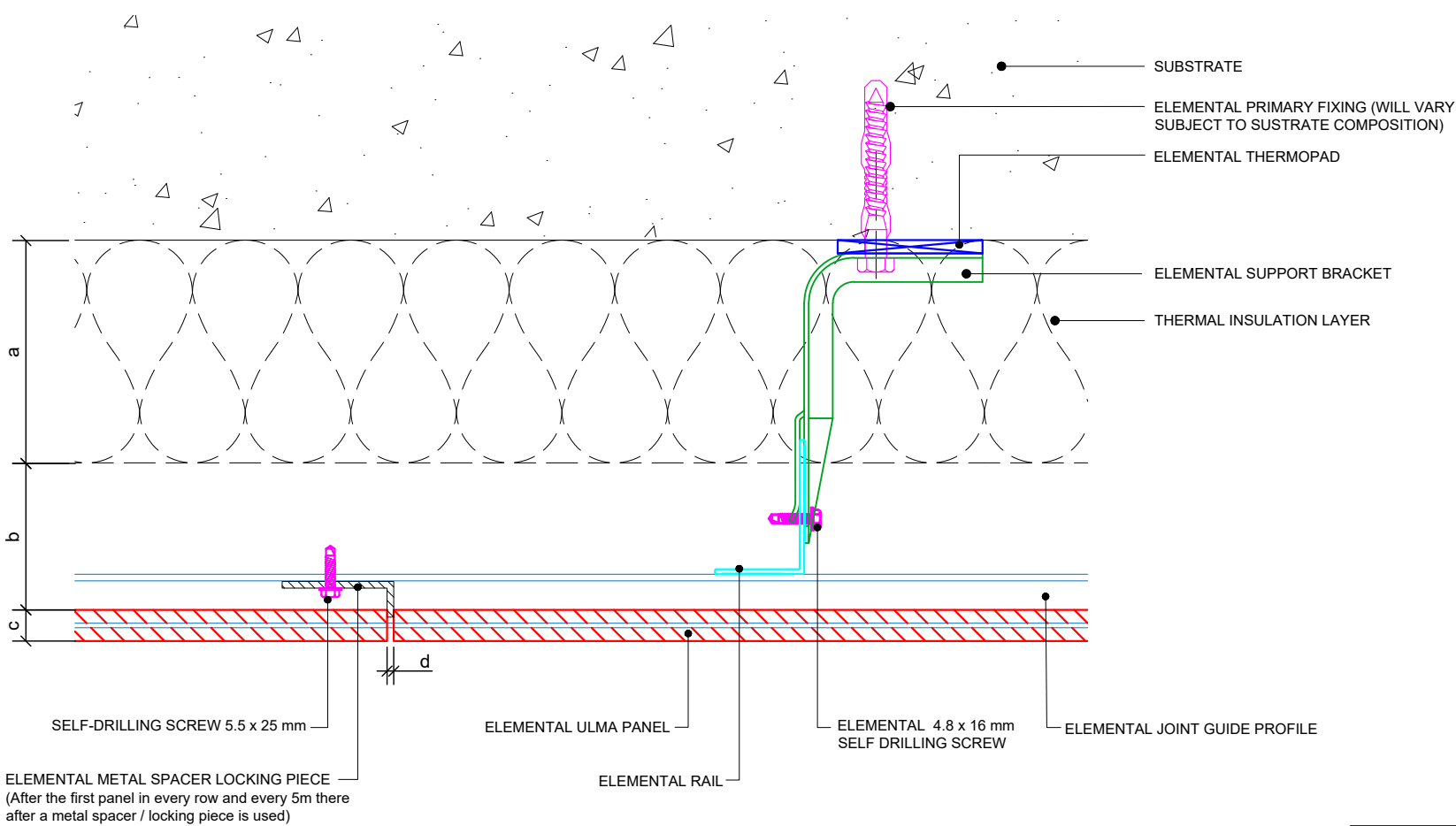
Drawn:

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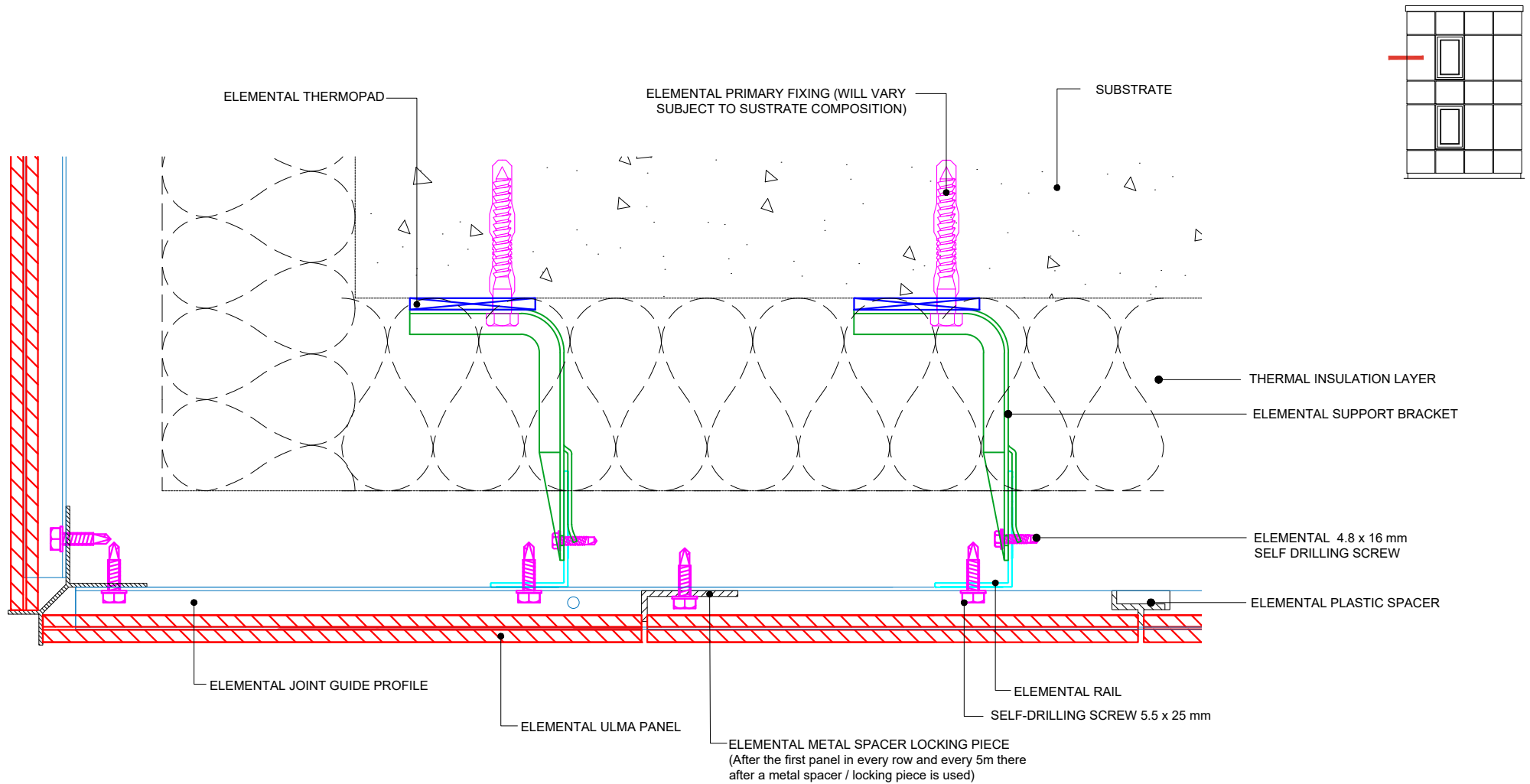


Dimensions	
a	Insulation thickness (varies)
b	Free vertical ventilation gap
c	Panel nominal thickness
d	Panel Joint - 3mm
a+b	Clad Zone

 <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 ULMA - MSF- HORIZONTAL SYSTEM VERTICAL PANEL JOINT DETAIL									
	Drawing No.	EL-CB-MHU05	System:	EL-MSF HZ-ULMA	Size:	A4	Scale:	NTS	Drawn:	V.C.	Rev.

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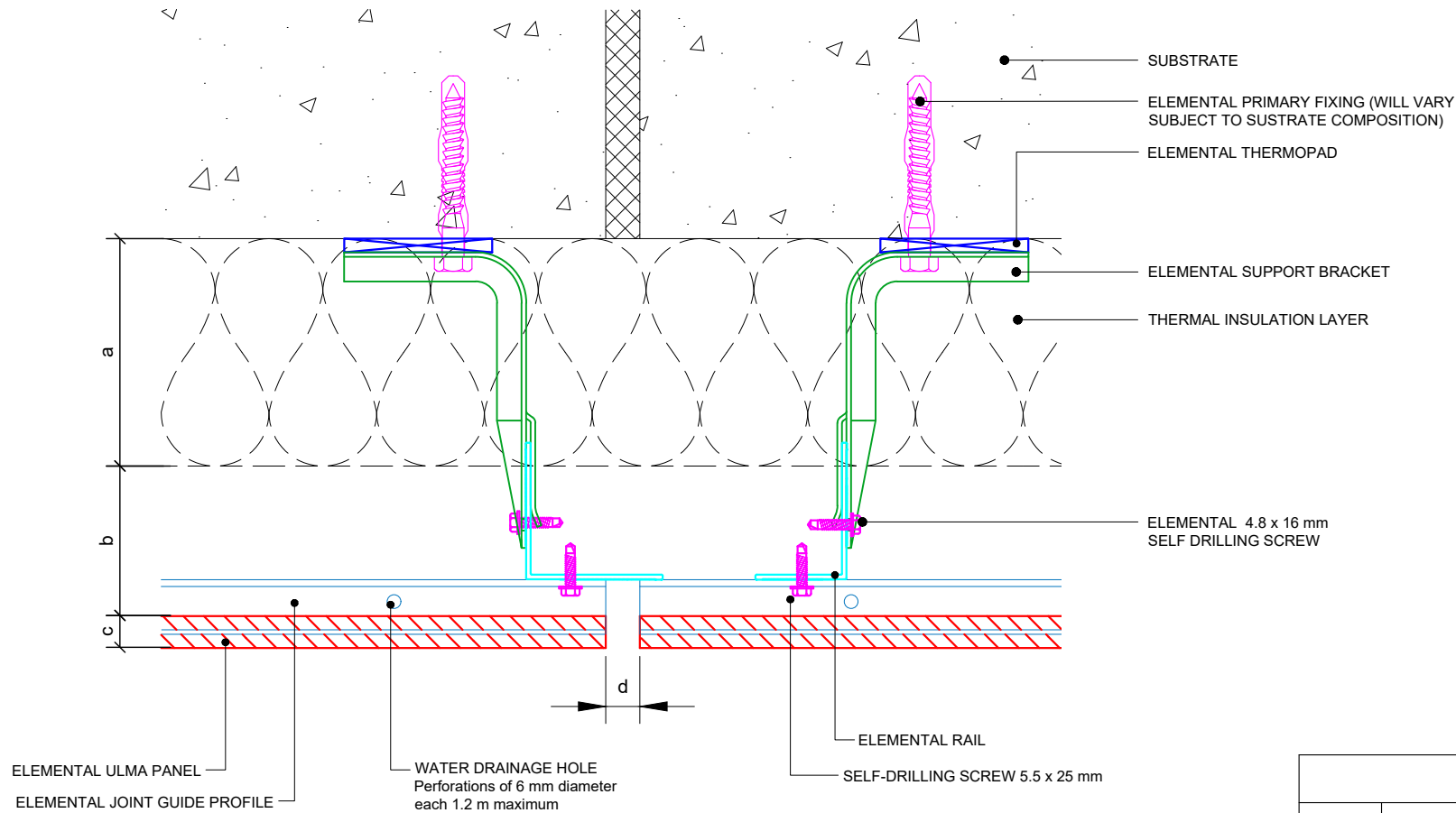


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Drawing Title	ELEMENTAL ULMA - MSF - HORIZONTAL SYSTEM SPACER AND LOCKING PIECES - JOINT DETAIL										
Drawing No.	EL-CB-MHU06	System:	EL-MSF HZ-ULMA	Size:	A4	Scale:	NTS	Drawn:	V.C.	Rev.	01

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Dimensions	
a	Insulation thickness (varies)
b	Free vertical ventilation gap
c	Panel nominal thickness
d	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

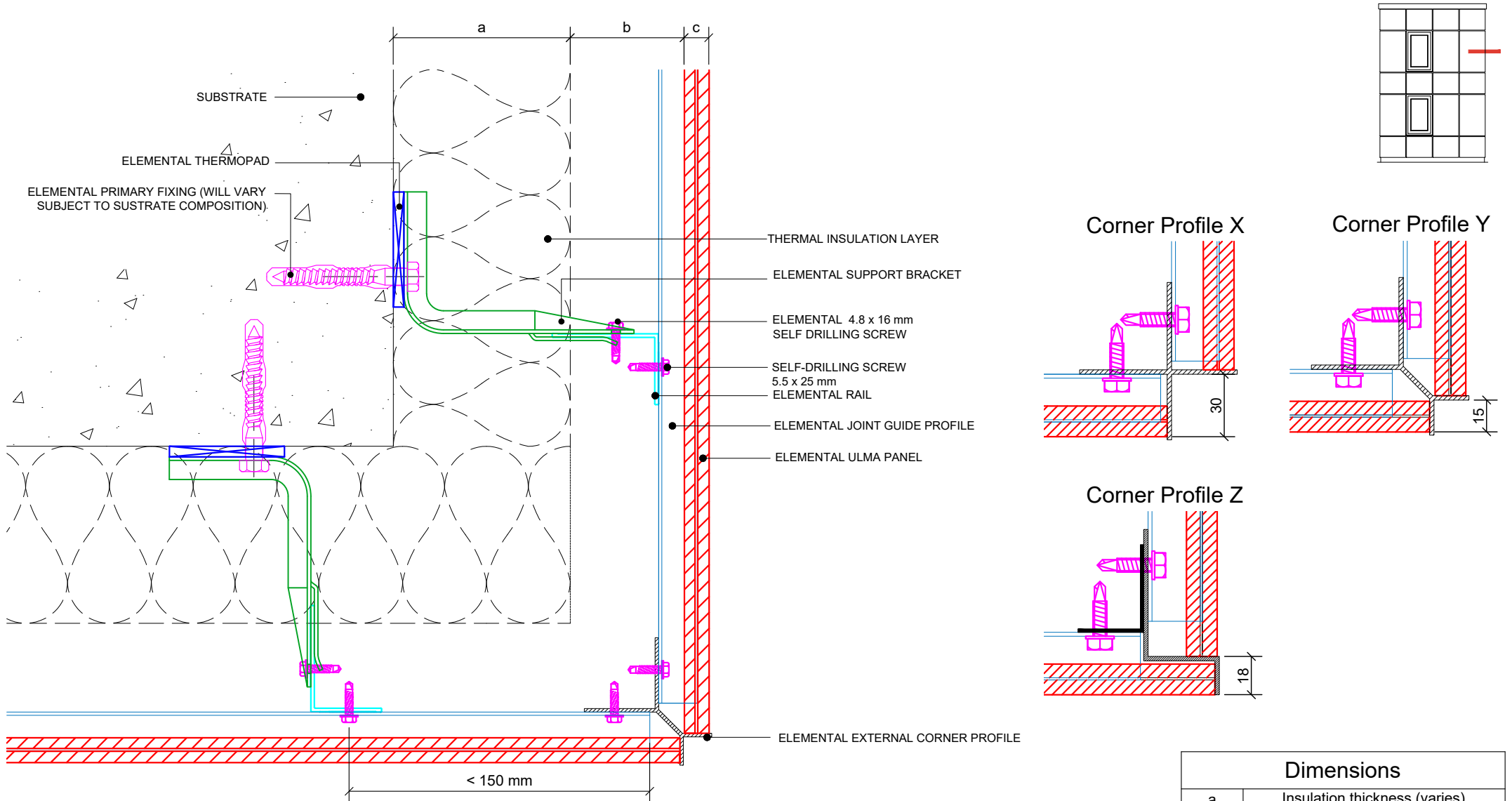
Drawn:

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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
 EXTERNAL CORNER PROFILE DETAILS**

Drawing No.

EL-CB-MHU08

System:

EL-MSF
 HZ-ULMA

Size:

A4

Scale:

NTS

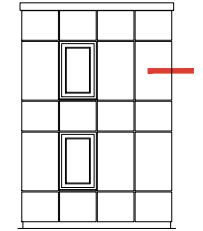
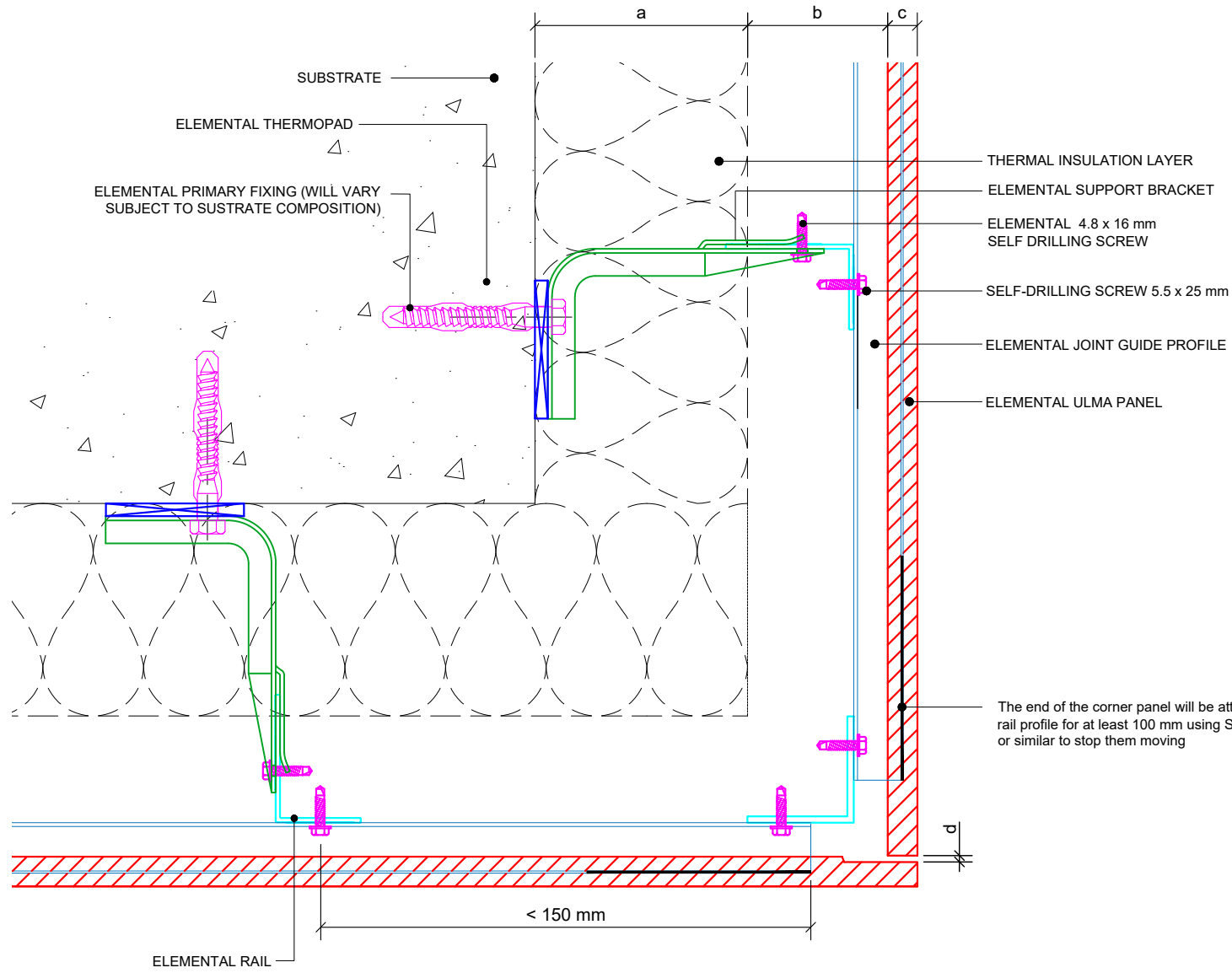
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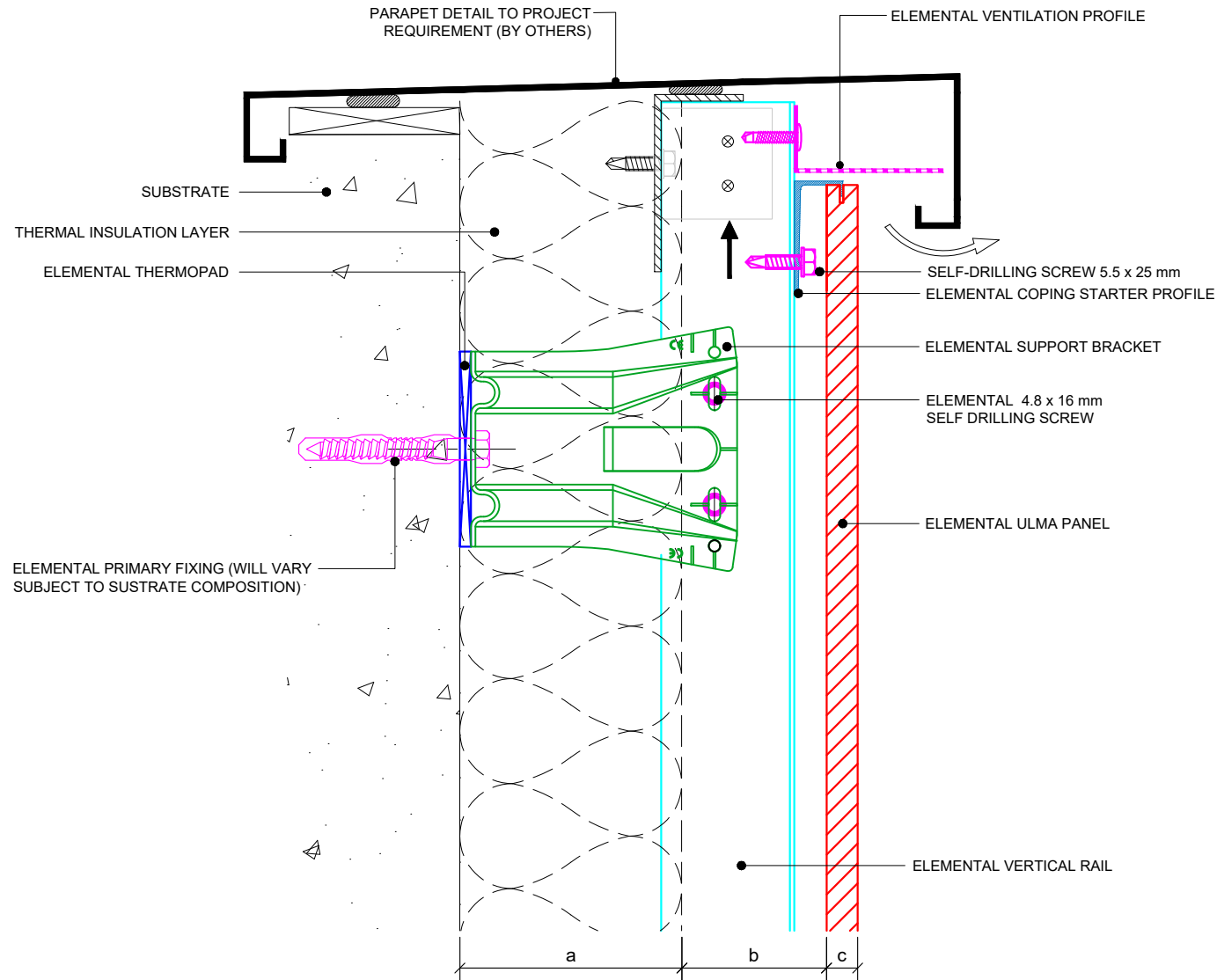
Dimensions	
a	Insulation thickness (varies)
b	Free vertical ventilation gap
c	Panel nominal thickness
d	Panel Joint - 3mm
a+b	Clad Zone

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Drawing Title		ELEMENTAL ULMA - MSF- HORIZONTAL SYSTEM EXTERNAL CORNER-OPEN CORNER OPTION									
Drawing No.	EL-CB-MHU09	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
 GENERIC PARAPET DETAIL**

Drawing No.

EL-CB-MHU10

System:

EL-MSF
 HZ-ULMA

Size:

A4

Scale:

NTS

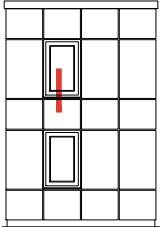
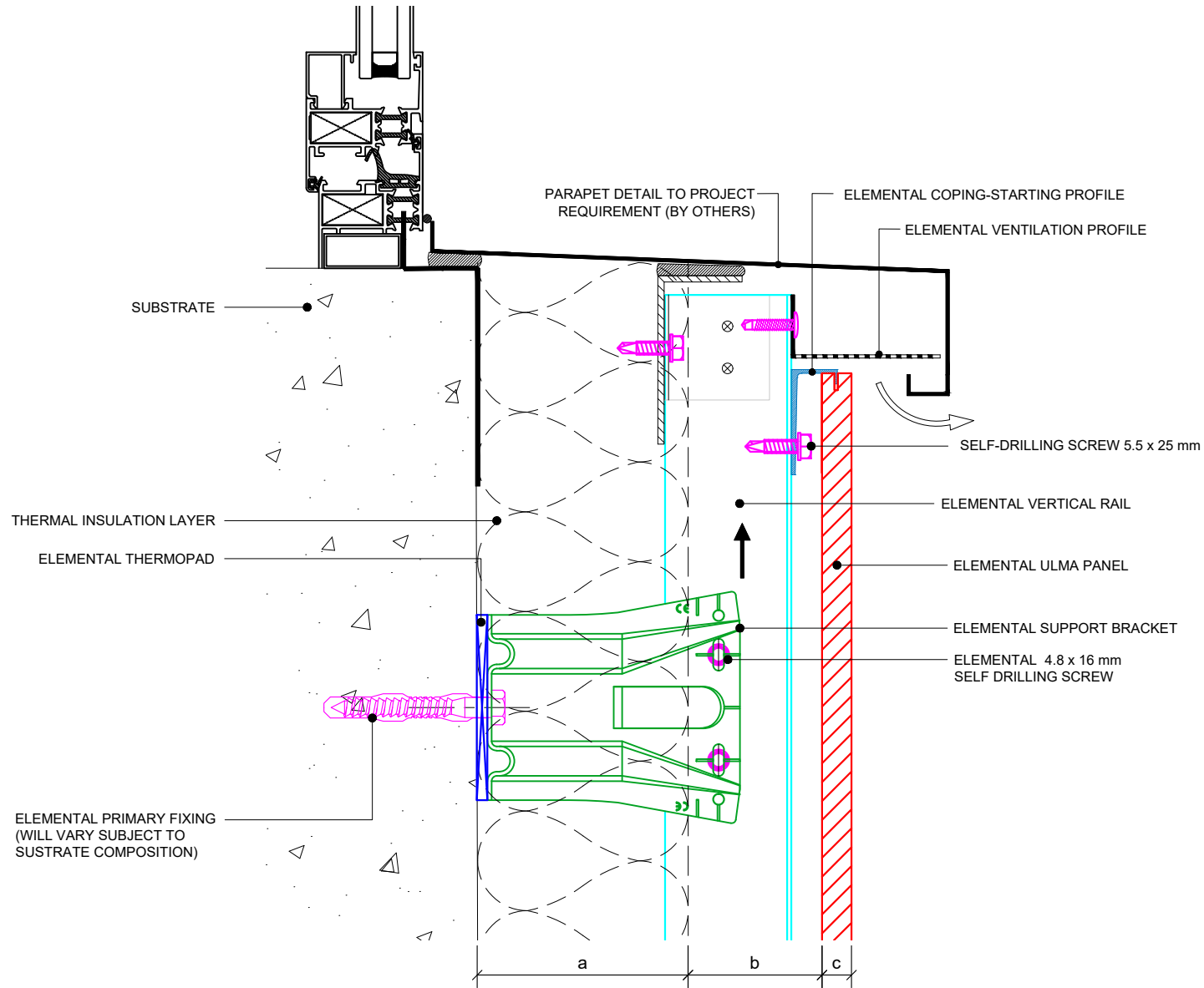
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Dimensions	
a	Insulation thickness (varies)
b	Free vertical ventilation gap
c	Panel nominal thickness
a+b	Clad Zone



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Drawing Title

**ELEMENTAL ULMA - MSF - HORIZONTAL SYSTEM
 WINDOW CILL DETAIL**

Drawing No.

EL-CB-MHU11

System:

**EL-MSF
 HZ-ULMA**

Size:

A4

Scale:

NTS

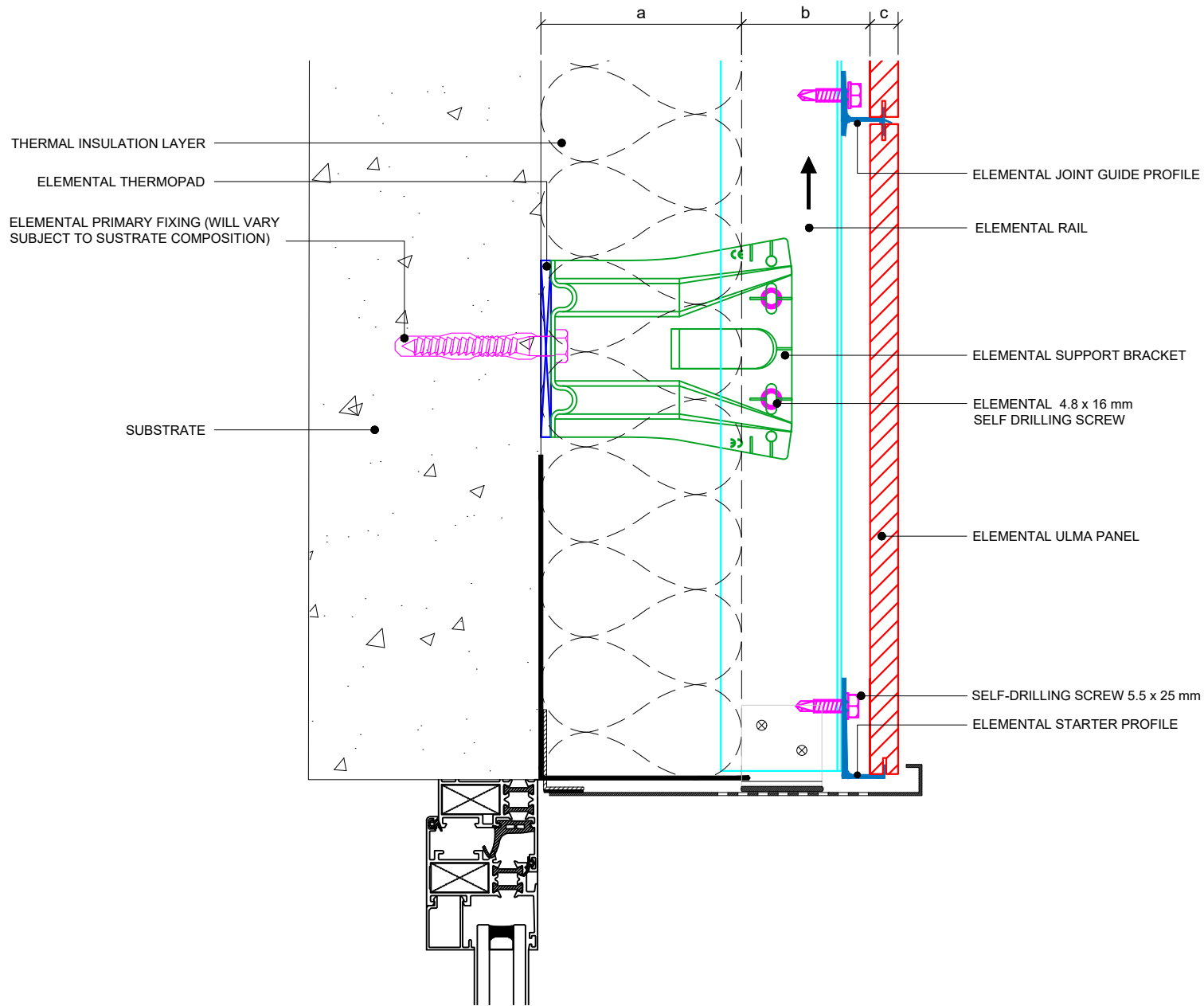
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Dimensions	
a	Insulation thickness (varies)
b	Free vertical ventilation gap
c	Panel nominal thickness
a+b	Clad Zone



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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

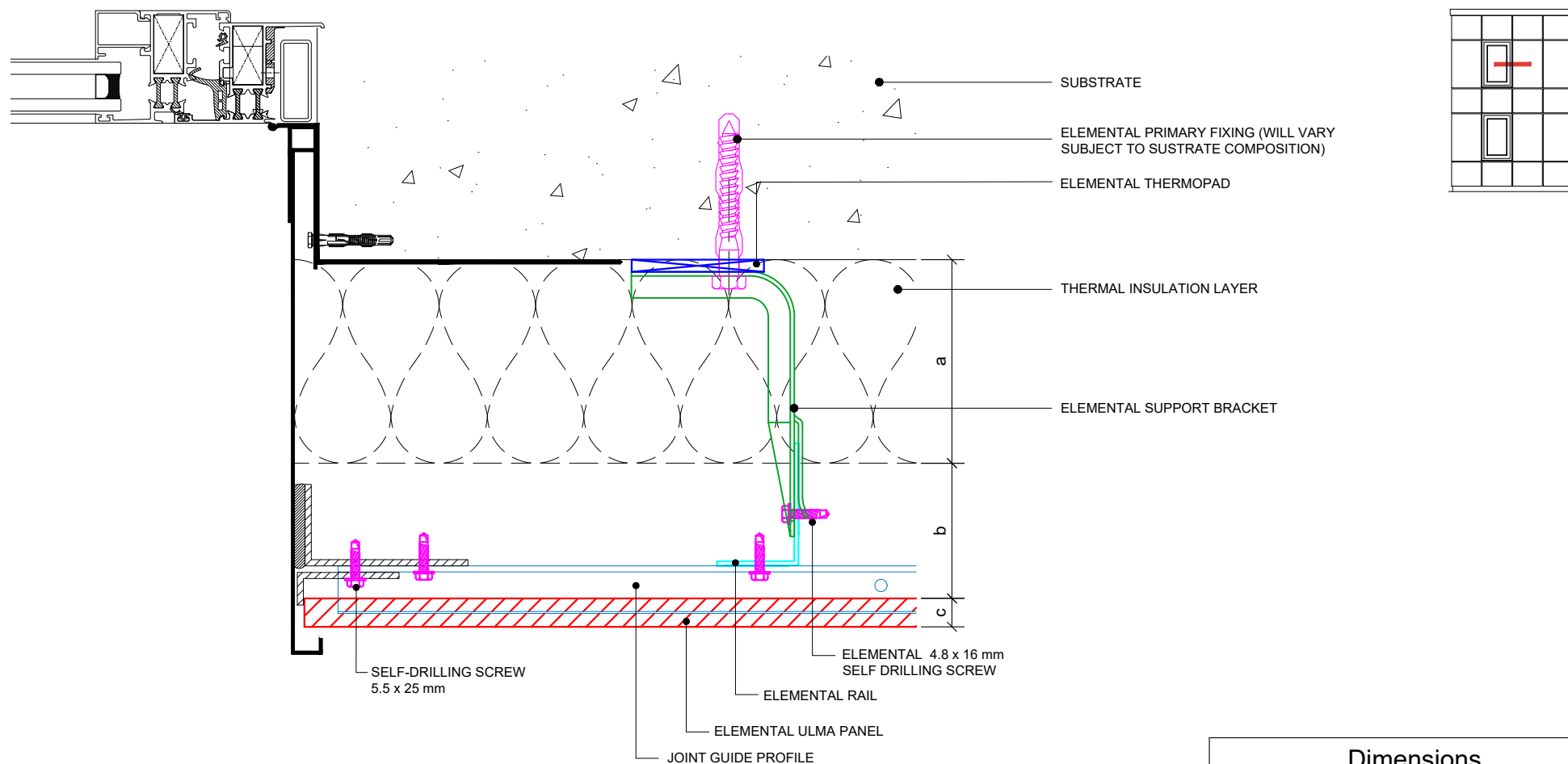
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Dimensions	
a	Insulation thickness (varies)
b	Free vertical ventilation gap
c	Panel nominal thickness
a+b	Clad Zone



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Drawing Title

**ELEMENTAL ULMA - MSF- HORIZONTAL SYSTEM
 WINDOW JAMB REVEAL DETAIL**

Drawing No.

EL-CB-MHU13

System:

**EL-MSF
 HZ-ULMA**

Size:

A4

Scale:

NTS

Drawn:

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