Facade System



Ventilated facade

EL-SB-RFC

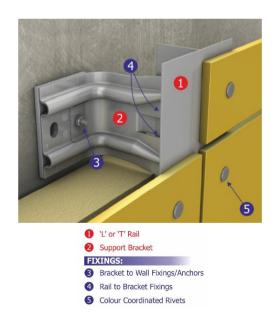
Elemental-SFS Bracket-Rivet Fibre Cement

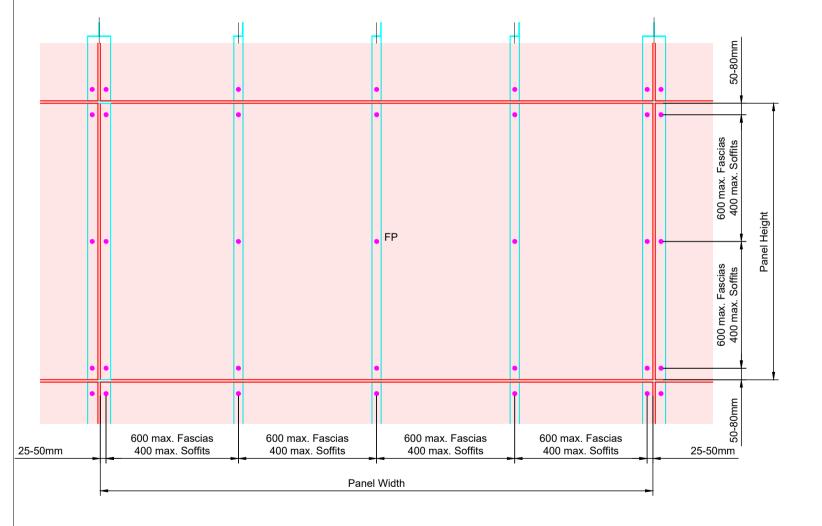
FIBRE CEMENT, Cement, mineralized cellulose fibers and silica

Face Fix onto 1-layer - Metal substructure

Contents:

SYSTEM LAYOUT EL-SB-RFC01 **BRACKET TYPES AVAILABLE** EL-SB-RFC02 BASE DETAIL EL-SB-RFC03 HORIZONTAL PANEL JOINT DETAIL EL-SB-RFC04 VERTICAL PANEL JOINT DETAIL EL-SB-RFC05 INTERMEDIATE SUPPORT DETAIL EL-SB-RFC06 **BUILDING STRUCTURAL MOVEMENT JOINT** EL-SB-RFC07 EXTERNAL CORNER DETAIL EL-SB-RFC08 INTERNAL CORNER - OPEN JOINT OPTION EL-SB-RFC09 GENERIC PARAPET DETAIL EL-SB-RFC10 EL-SB-RFC11 WINDOW CILL DETAIL WINDOW HEAD DETAIL EL-SB-RFC12 WINDOW JAMB REVEAL DETAIL EL-SB-RFC13





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.



Elemental Architectural Cladding Specialists

Email: info@elemental.ie

#29 The Cubes Offices, Beacon South Quarter, Sandyford Dublin 18, D18 A264 Phone: +353 (0)1 293 8951

Drawing Title	

Drawing No.

EL-SB-RFC01 | System:

ELEMENTAL FIBRE CEMENT - FACE FIX
SYSTEM LAYOUT
EL-Rivet

Fibre Cement

Size: A

A4 Scale:

NTS

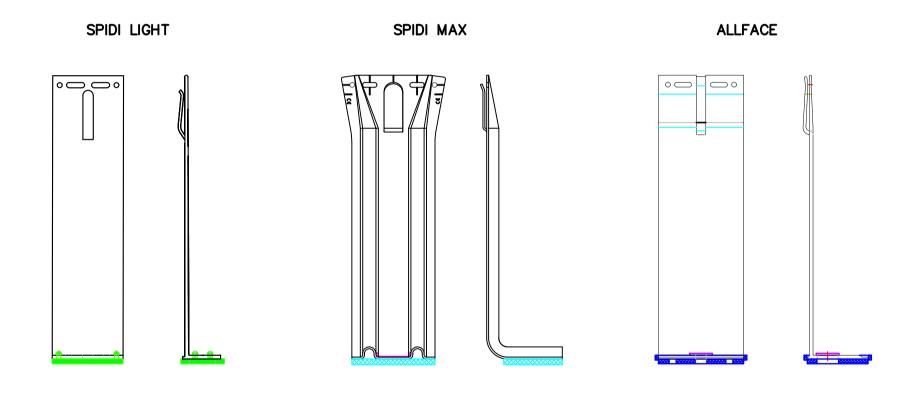
Drawn:

v.c.

Rev.

01

BRACKET TYPES AVAILABLE FROM ELEMENTAL

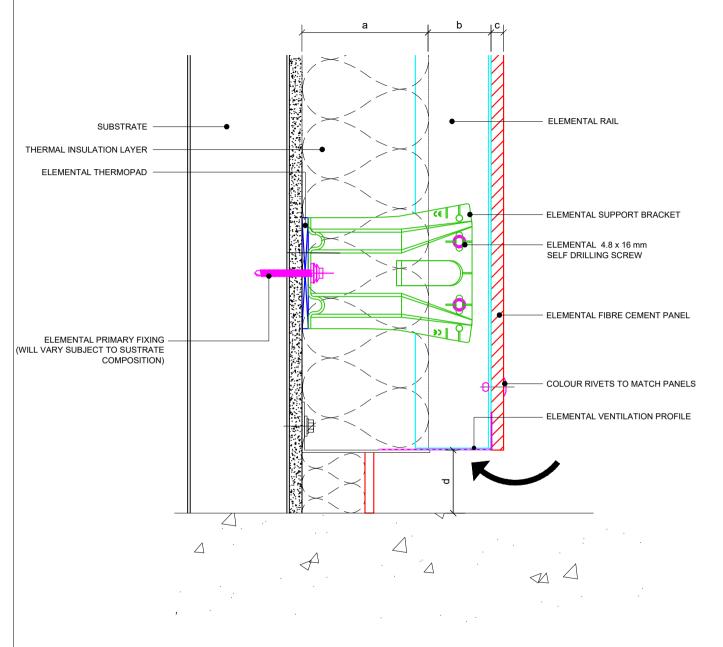


Elemental Architectural Cladding Specialists

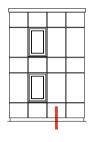
#29 The Cubes Offices, Beacon South Quarter, Sandyford Dublin 18, D18 A264

Dublin 18, D18 A264 Phone: +353 (0)1 293 8951 Email: info@elemental.ie

Drawing Title	BRACKET TYPES AVAILABLE										
Drawing No.	EL-6B-RFC02	System:	EL-Rivet Fibre Cement	Size:	A4	Scale:	NTS	Drawn:	v.c.	Rev.	01

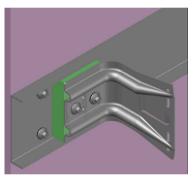


	Dimensions
а	Insulation thickness (varies)
b	Free vertical ventilation gap
С	Panel nominal thickness
d	Base distance - Minimum 50mm
a+b	Clad Zone



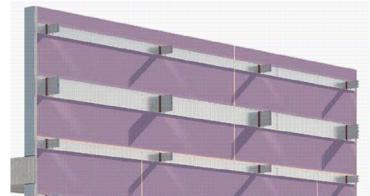
Note:

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



01

Rev.



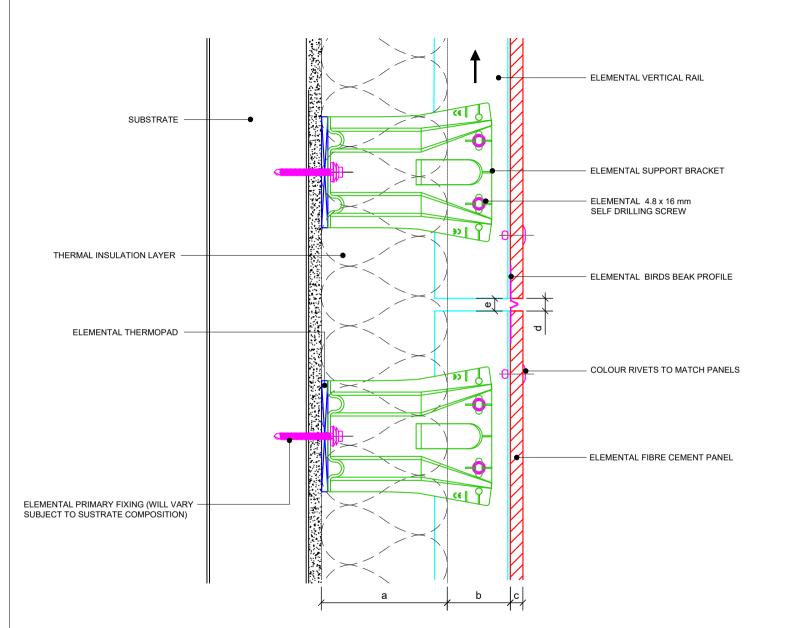


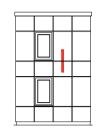
Elemental Architectural Cladding Specialists

#29 The Cubes Offices, Beacon South Quarter,
Sandyford
Dublin 18, D18 A264

Dublin 18, D18 A264 Phone: +353 (0)1 293 8951 Email: info@elemental.ie

Drawing Title		ELEMENTAI	ELEMENTAL FIBRE CEMENT - FACE FIX BASE DETAIL						
Drawing No.	EL-SB-RFC03	System:	EL-Rivet Fibre Cement	Size:	A4	Scale:	NTS	Drawn:	١





	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

01

Rev.



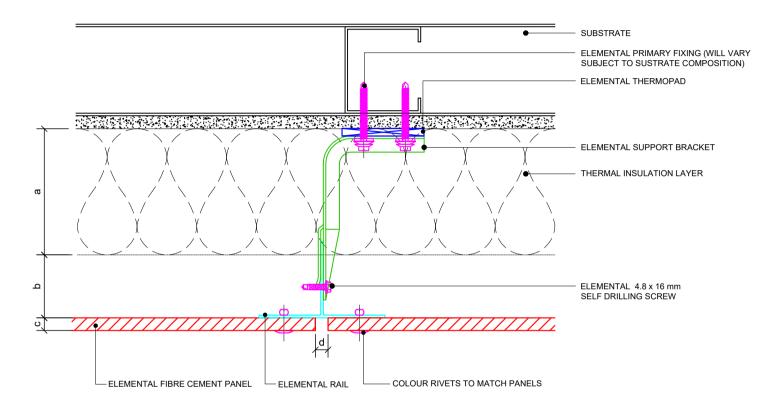
Elemental Architectural Cladding Specialists

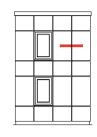
#29 The Cubes Offices, Beacon South Quarter, Sandyford

Dublin 18, D18 A264 Phone: +353 (0)1 293 8951 Email: info@elemental.ie

Drawing Title				ELEMENTAL FIBRE CEMENT - FACE FIX HORIZONTAL PANEL JOINT DETAIL						
Drawing No.	EL-SB-RFC04	System:	EL-Rivet	Size:	Α4	Scale:	NTS	Drawn:	v.c.	Ī

Fibre Cement





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



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

ELEMENTAL FIBRE CEMENT - FACE FIX VERTICAL PANEL JOINT DETAIL

EL-SB-RFC05 System: Drawing No.

Drawing Title

EL-Rivet
Fibre Cement

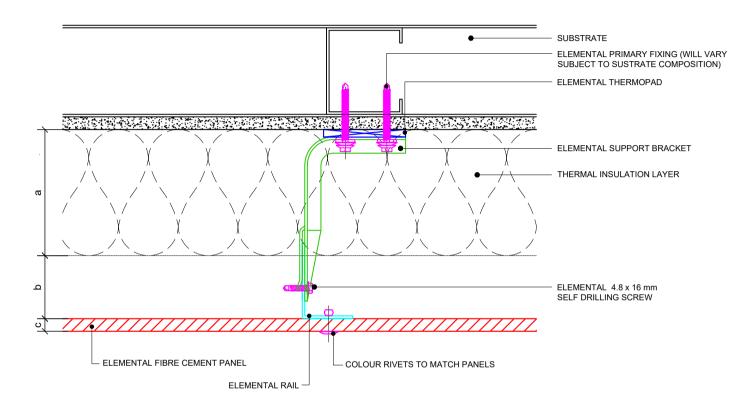
Α4 Size:

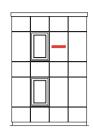
NTS Scale:

Drawn: V.C.

Rev.

01





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

V.C.

Rev.

01

elemental
Architectural Cladding Specialists

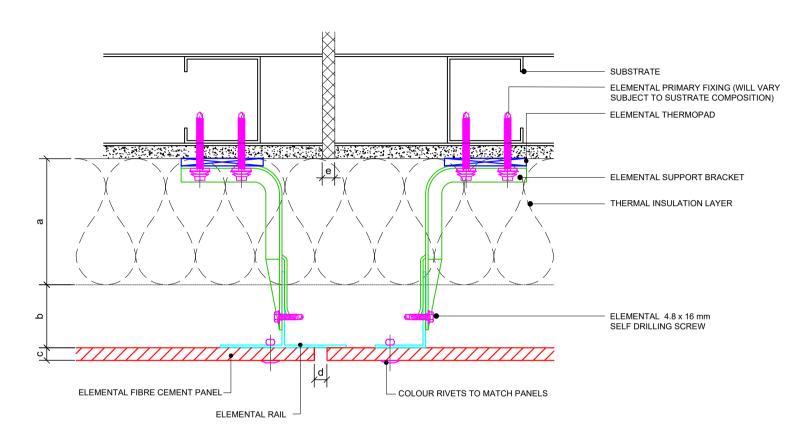
Elemental Architectural Cladding Specialists

#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 FIBRE CEMENT - FACE FIX INTERMEDIATE SUPPORT DETAIL						<	
Drawing No.	EL-SB-RFC06	System:	EL-Rivet Fibre Cement	Size:	A4	Scale:	NTS	Drawn:	\

Clamental Architectural Cladding Cassialists recents	the right to amond details at any time without prior nation	a Danraduction or disclosure to third parties is strictly probib	pited and can only be attained through signed, written consent from Elemental ACS.



	Ш	
-		

	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						



е	Cubes Offices, Beacon South Quarter,
	Sandyford
	Dublin 18, D18 A264
	Phone: +353 (0)1 293 8951
	Email: info@elemental ie

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.	01

These drawings are indicative only, for use as a guide. The customer is always responsible for any specific design, structural calculations and calculations 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 FIBRE CEMENT PANEL THERMAL INSULATION LAYER **ELEMENTAL SUPPORT BRACKET** ELEMENTAL 4.8 x 16 mm SUBSTRATE SELF DRILLING SCREW ELEMENTAL THERMOPAD ELEMENTAL PRIMARY FIXING (WILL VARY SUBJECT TO SUSTRATE COMPOSITION) * Mitred Joint Corner option 60x40mm rail is used to support the panel edges **Dimensions** Insulation thickness (varies) а Free vertical ventilation gap

///////////////////////////////////////	V/////////////////////////////////////		С	Panel nominal thickness
	d	le	d	≤ 300mm
ELEMENTAL RAIL] 	**	е	Panel Joint - 10mm
COLOUR RIVETS TO MATCH PANEL		* Open Joint Corner option	f	Mitred Joint projection - 5mm
	:NTAL EXTERNAL CORNER PROFILE	60x40mm rail is used to support the panel edges	a+b	Clad Zone



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

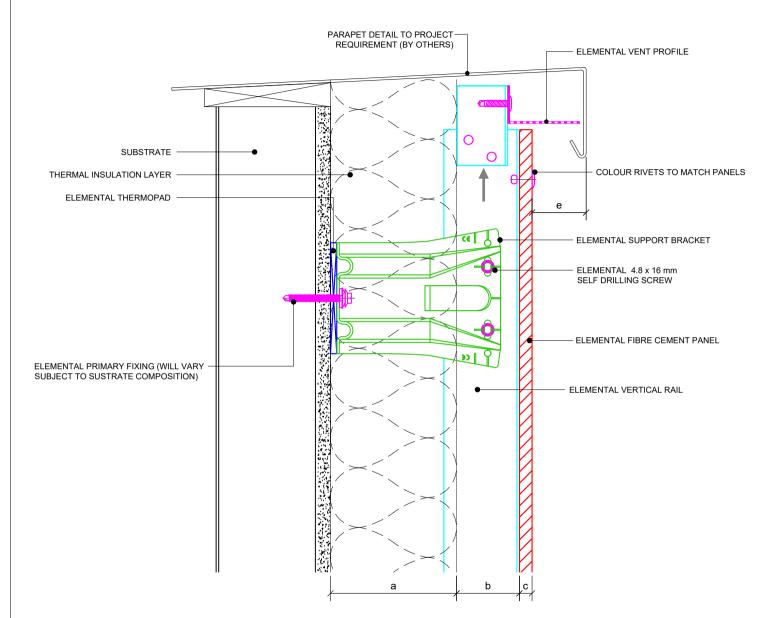
Drawing Title

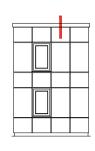
Drawing No.

ELEMENTAL FIBRE CEMENT - FACE FIX EXTERNAL CORNER DETAILS

EL-Rivet EL-SB-RFC08 System: Α4 NTS Drawn: V.C. 01 Scale: Rev. Size: Fibre Cement

These drawings are indicative only, for use as a guide. The customer is always responsible for any specific design, structural calculations and calculations 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. SUBSTRATE THERMAL INSULATION LAYER ELEMENTAL SUPPORT BRACKET **ELEMENTAL THERMOPAD** ELEMENTAL PRIMARY FIXING (WILL VARY SUBJECT TO SUSTRATE COMPOSITION) COLOUR RIVETS ELEMENTAL 4.8 x 16 mm TO MATCH PANELS SELF DRILLING SCREW ELEMENTAL RAIL **Dimensions** ELEMENTAL FIBRE CEMENT PANEL Insulation thickness (varies) b Free vertical ventilation gap Panel nominal thickness С d Panel Joint - 10mm Clad Zone a+b **ELEMENTAL FIBRE CEMENT - FACE FIX** Elemental Architectural Cladding Specialists **Drawing Title** #29 The Cubes Offices, Beacon South Quarter, INTERNAL CORNER DETAIL Sandyford Dublin 18, D18 A264 **EL-Rivet** Phone: +353 (0)1 293 8951 EL-SB-RFC09 System: Size: Α4 NTS Drawn: V.C. 01 Drawing No. Scale: Rev. Fibre Cement Email: info@elemental.ie 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
С	Panel nominal thickness
a+b	Clad Zone



Elemental Architectural Cladding Specialists

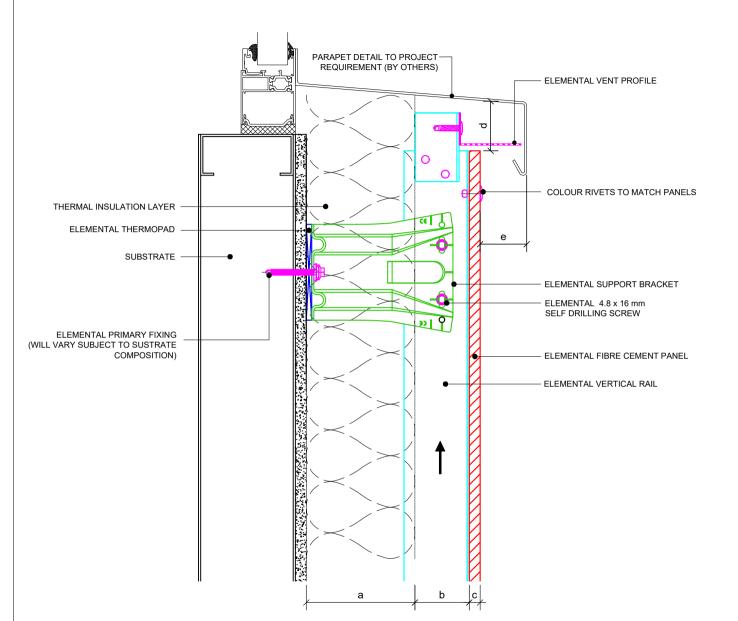
Email: info@elemental.ie

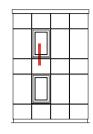
#29 The Cubes Offices, Beacon South Quarter, Sandyford Dublin 18, D18 A264 Phone: +353 (0)1 293 8951

Drawing Title			ELEMENT GE			CEMEN RAPET		_	
Drawing No.	EL-SB-RFC10	System:	EL-Rivet	Size:	A4	Scale:	NTS	Drawn:	,

TAIL NTS Drawn: V.C. 01 Size: A4 Rev. Scale: Fibre Cement

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



Elemental Architectural Cladding Specialists

Email: info@elemental.ie

#29 The Cubes Offices, Beacon South Quarter, Sandyford Dublin 18, D18 A264 Phone: +353 (0)1 293 8951

3	٠	3			

Drawing Title

Drawing No.

EL-SB-RFC11 System:

WINDOW CILL DETAIL **EL-Rivet**

Fibre Cement

A4 Size:

NTS Scale:

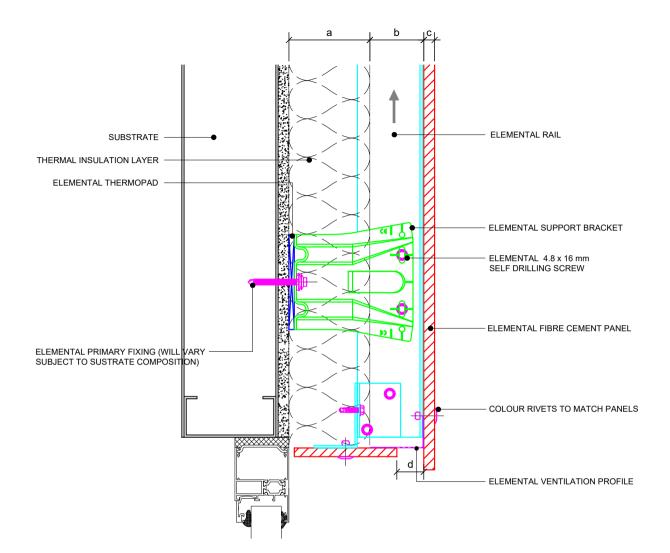
ELEMENTAL FIBRE CEMENT - FACE FIX

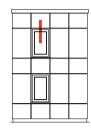
Drawn:

V.C.

Rev.

01





01

Rev.

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

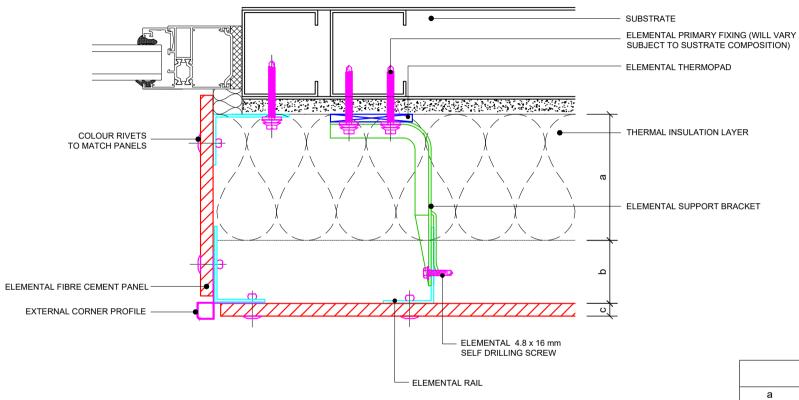


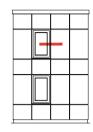
Elemental Architectural Cladding Specialists

#29 The Cubes Offices, Beacon South Quarter, Sandyford Dublin 18, D18 A264

Sandylord							
Dublin 18, D18 A264							
Phone: +353 (0)1 293 8951							
Email: info@elemental.ie							

Drawing Title						IBRE CEMENT - FACE FIX OW HEAD DETAIL				
Drawing No.	EL-SB-RFC12	System:	EL-Rivet Fibre Cement	Size:	A4	Scale:	NTS	Drawn:	v.c.	





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



Elemental Architectural Cladding Specialists

Email: info@elemental.ie

#29 The Cubes Offices, Beacon South Quarter, Sandyford Dublin 18, D18 A264 Phone: +353 (0)1 293 8951

•	٠	•			

Drawing Title

Drawing No.

EL-SB-RFC13 System:

WINDOW JAMB DETAIL **EL-Rivet**

Fibre Cement

Α4 Size:

Scale:

ELEMENTAL FIBRE CEMENT - FACE FIX

NTS Drawn:

V.C.

Rev.

01