



INSTALLATION GUIDE

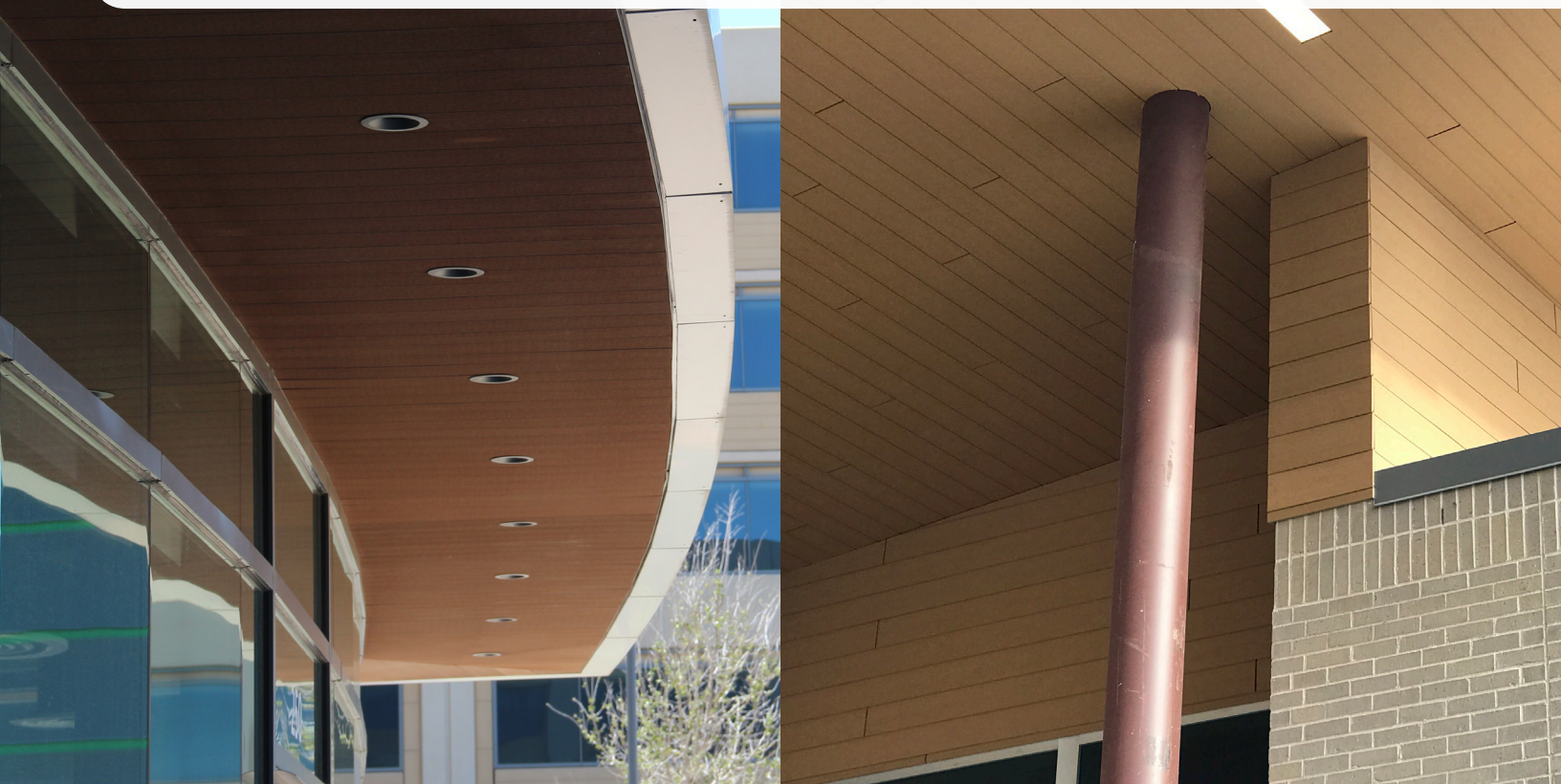
Geolam Vertigo 5010/5011

Cladding & Soffits

Geolam[®]

Architectural Eco-Technology

www.geolaminc.com





Vertigo 5010

WHS: Wood hybrid system

Datasheet



Thickness: 13 mm | ½ in

Total width: 185 mm | 7 ¼ in

Usable width: 170 mm | 6 ½ in

Section tolerances in mm: + 0.5 / - 1.5

Fire rating:

ASTM E-84 Class A / ASTM E-84 Class B

Surfaces finish: sanded

Standard length: 3.65 m | 12 ft

Or order any length from:

2.45 m | 8 ft to 5.48 m | 18 ft

Weight: 1.19 kg/lm | 0.80 lb/ft

Secondary moment I_x (cm⁴): 0.56

Secondary moment I_y (cm⁴): 121.55

Section modulus Z_x (cm³): 0.68

Section modulus Z_y (cm³): 12.81

Core in anodized aluminum alloy:

A6063S-T5

Coefficient of Thermal Expansion:

(20-100°C) : 23.4 µm/m/°C

Modulus of Elasticity: 68.6 GPa

Tensile Strength: 186 Mpa min

Core cross section (mm²): 371.95

Colors:



Teak



Moleskin



Rosewood



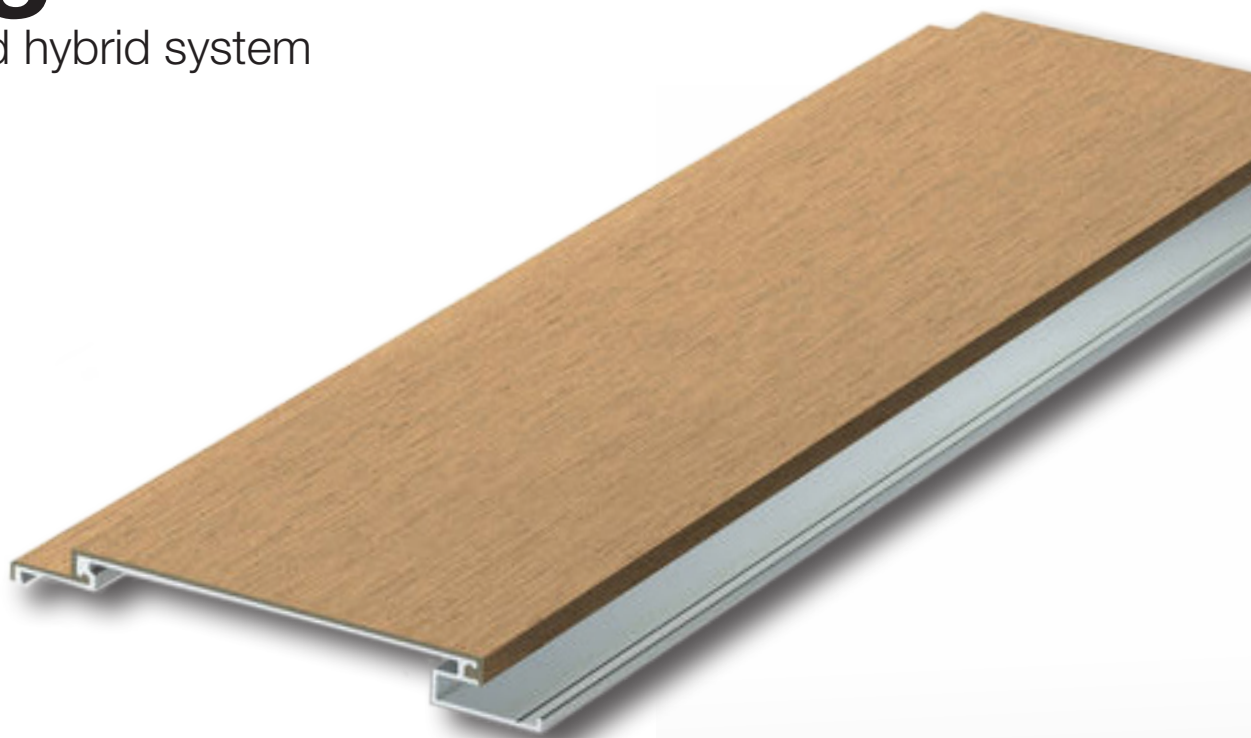
Ebony



Vertigo 5011

WHS: Wood hybrid system

Datasheet



Thickness: 13 mm | ½ in

Total width: 130 mm | 5 ⅛ in

Usable width: 110 mm | 4 ⅙ in

Section tolerances in mm: + 0.5 / - 1.5

Fire rating:

On request before order

Surfaces finish: sanded

Standard length: 3.65 m | 12 ft

Or order any length from:

2.45 m | 8 ft to 5.48 m | 18 ft

Weight: 0.77 kg/lm | 0.52 lb/ft

Secondary moment I_x (cm⁴): 0.56

Secondary moment I_y (cm⁴): 121.55

Section modulus Z_x (cm³): 0.68

Section modulus Z_y (cm³): 12.81

Core in anodized aluminum alloy:

A6063S-T5

Coefficient of Thermal Expansion:

(20-100°C) : 23.4 µm/m/°C

Modulus of Elasticity: 68.6 GPa

Tensile Strength: 186 Mpa min

Core cross section (mm²): 371.95

Colors:



Teak



Moleskin



Rosewood



Ebony



Vertigo 5010 / 5011

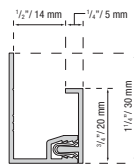
WHS: Wood hybrid system

Datasheet

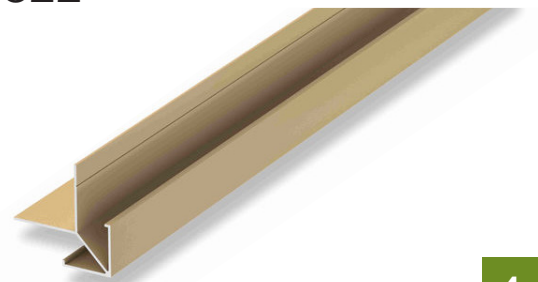
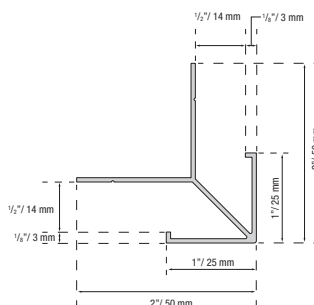


1. Weeping of condensation and air circulation are essential to the health of building products. Although the boards can be mounted directly onto the wall or substrate, it is good building practice to install a drainage plane and mount onto that. Do not seal the top nor bottom of the wall to allow for drainage and air circulation.
2. Geolam boards can be mounted horizontally, vertically, or diagonally directly onto the wall. Over code compliant AVB.
3. Boards may be ripped (cut along their length) as needed.
4. Recommended screws are stainless steel, with an austenitic structure and non-magnetic. Recommended screw diameter is 4 mm, pan head with a diameter of 8.2 mm and length of 19 mm. Maximum 24" o.c.
5. We recommend leaving a 3 mm (1/8") gap between butt ends to allow for expansion/contraction in response to changes in temperature. However, if your design calls for zero-spaced butt joints, please refer to Page 9.
6. The boards may be miter-cut for outside corners or Geolam O/S corners may be used.
6. Exposed screws on the final board may be covered with caulking if desired or our color-matched 2-piece starter/'J' trim as shown below.

2-Piece Starter (J-trim) 9321



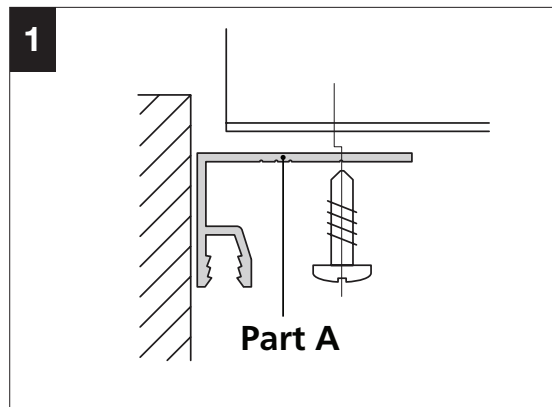
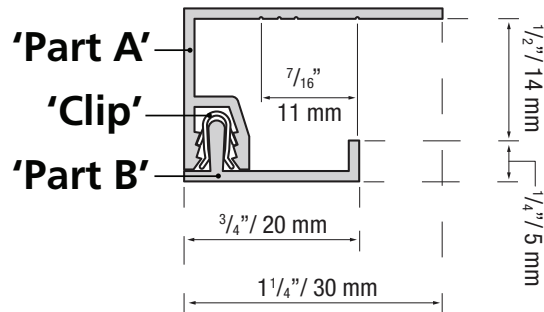
Outside Corner 9322



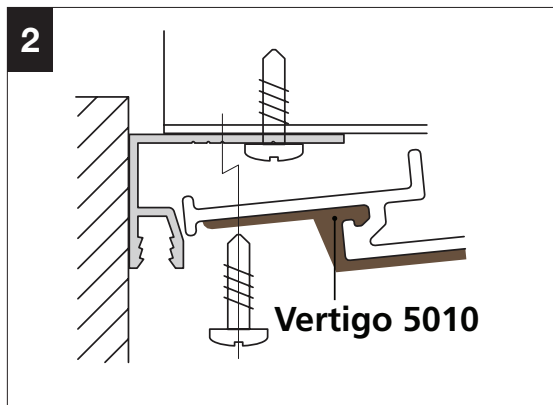


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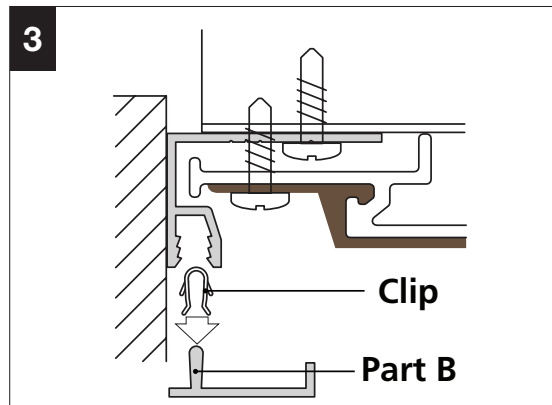
Installation of J-trim



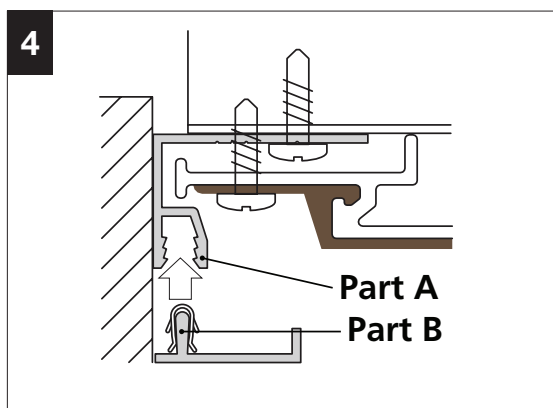
1. Fasten Part A of the J-trim to the wall as shown (ss screws recommended)



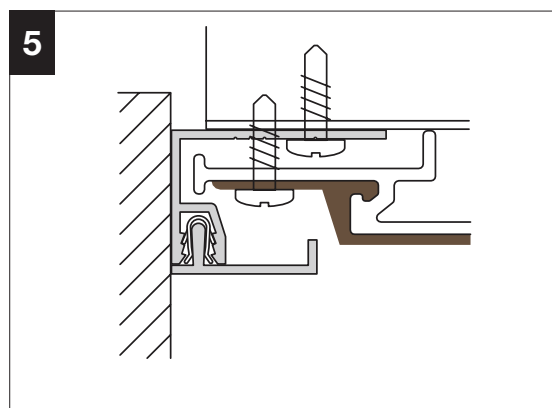
2. Screw the Geolam Vertigo board through the J-trim into the wall every 24"



3. Attach the metal clips onto Part B every 16" (40 cm) as shown



4. With a rubber mallet tap Part B into Part A



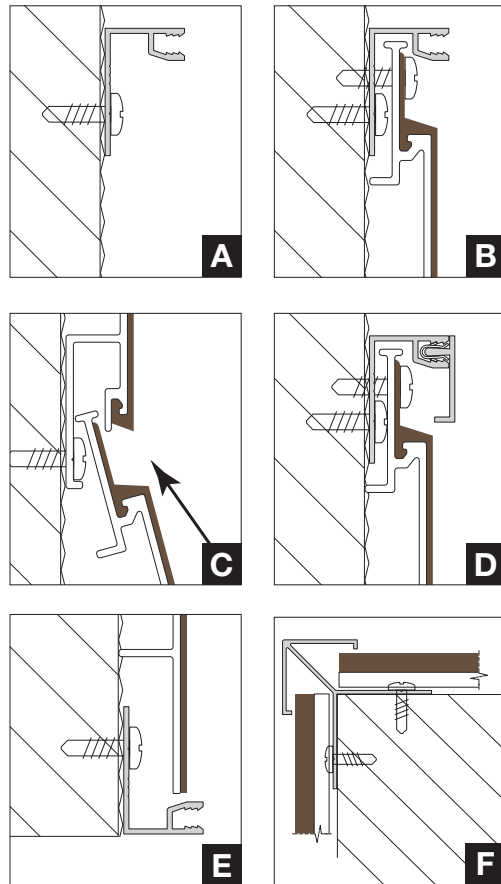
5. Final assembled J-trim



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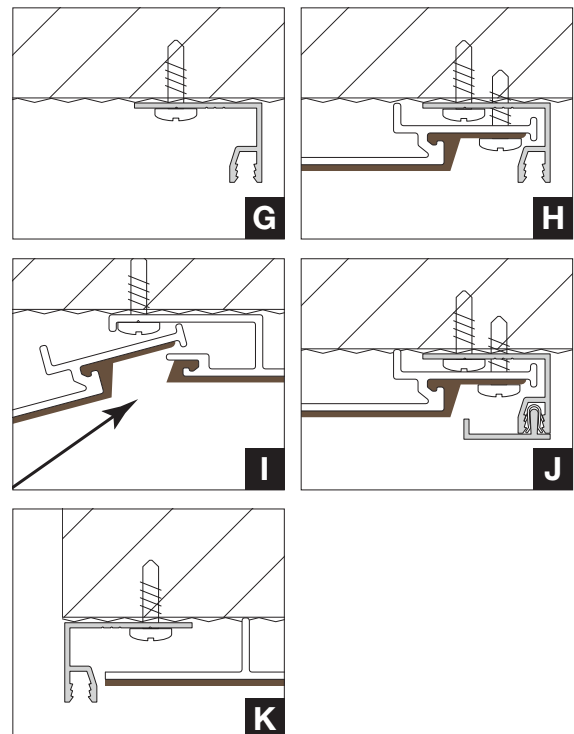
Cladding Installation

1. Install 2-Piece Starter/"J" or other trim component at top and bottom of wall (A)
2. If outside corners are not mitered, install Outside Corners before cladding (F)
3. Install top course first panel and screw at maximum 24" (B)
4. Install next panel with selected joint reveal gap and secure (C)
5. Install adjacent panels leaving 1/8" or 3mm between butt joints
6. Cut last panel as needed to fit into "J"/ Starter Trim and secure (E)



Soffit Installation

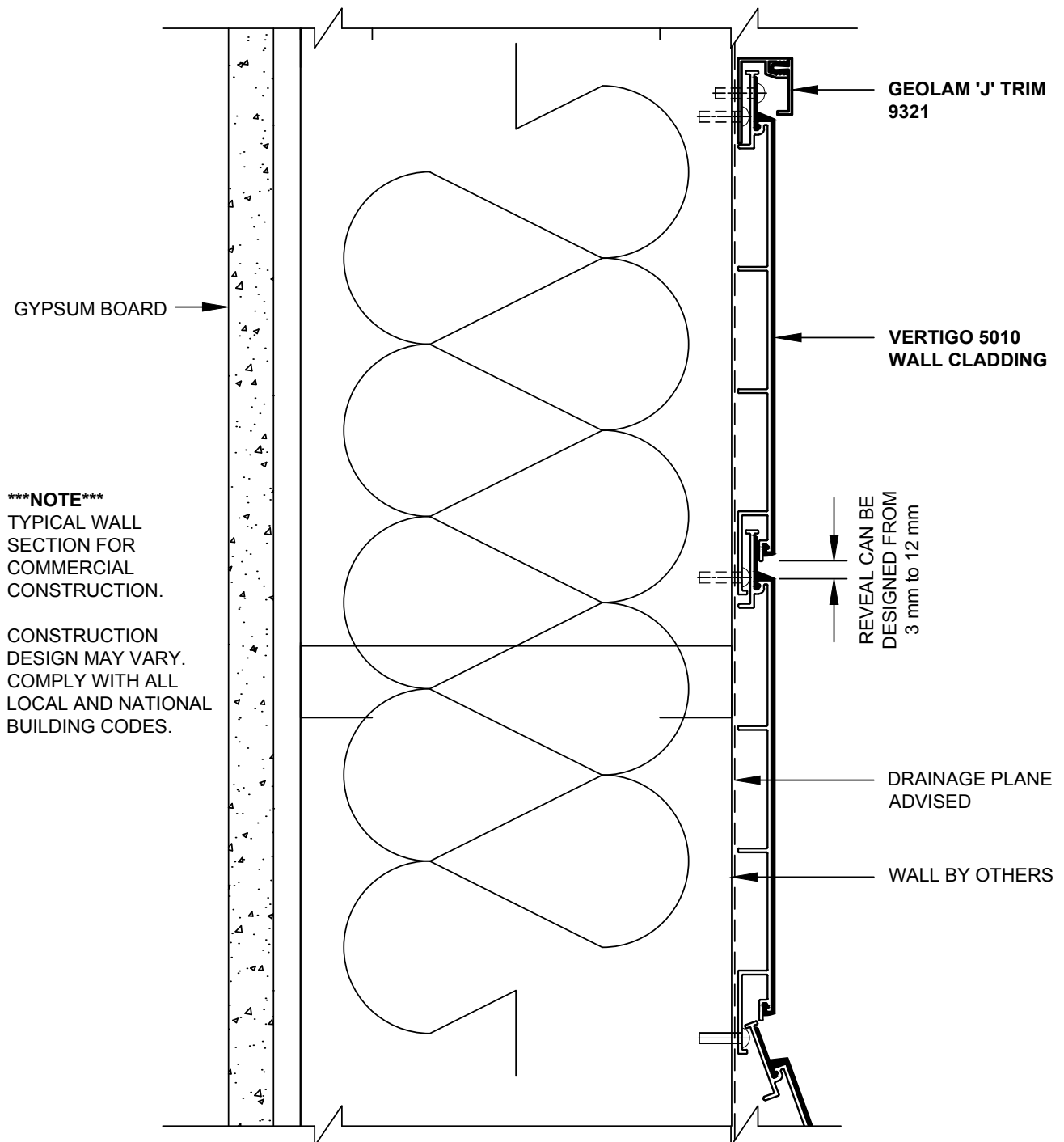
1. Install 2-Piece Starter/"J" at perimeter terminations (G)
2. Install first course into trim component and secure into place (H)
3. Slide adjacent panels with selected joint reveal gap and secure (I)
4. Install adjacent panels leaving 1/8" or 3mm between butt joints
5. Cut last panel as needed to fit into "J"/ Starter Trim and secure (K)





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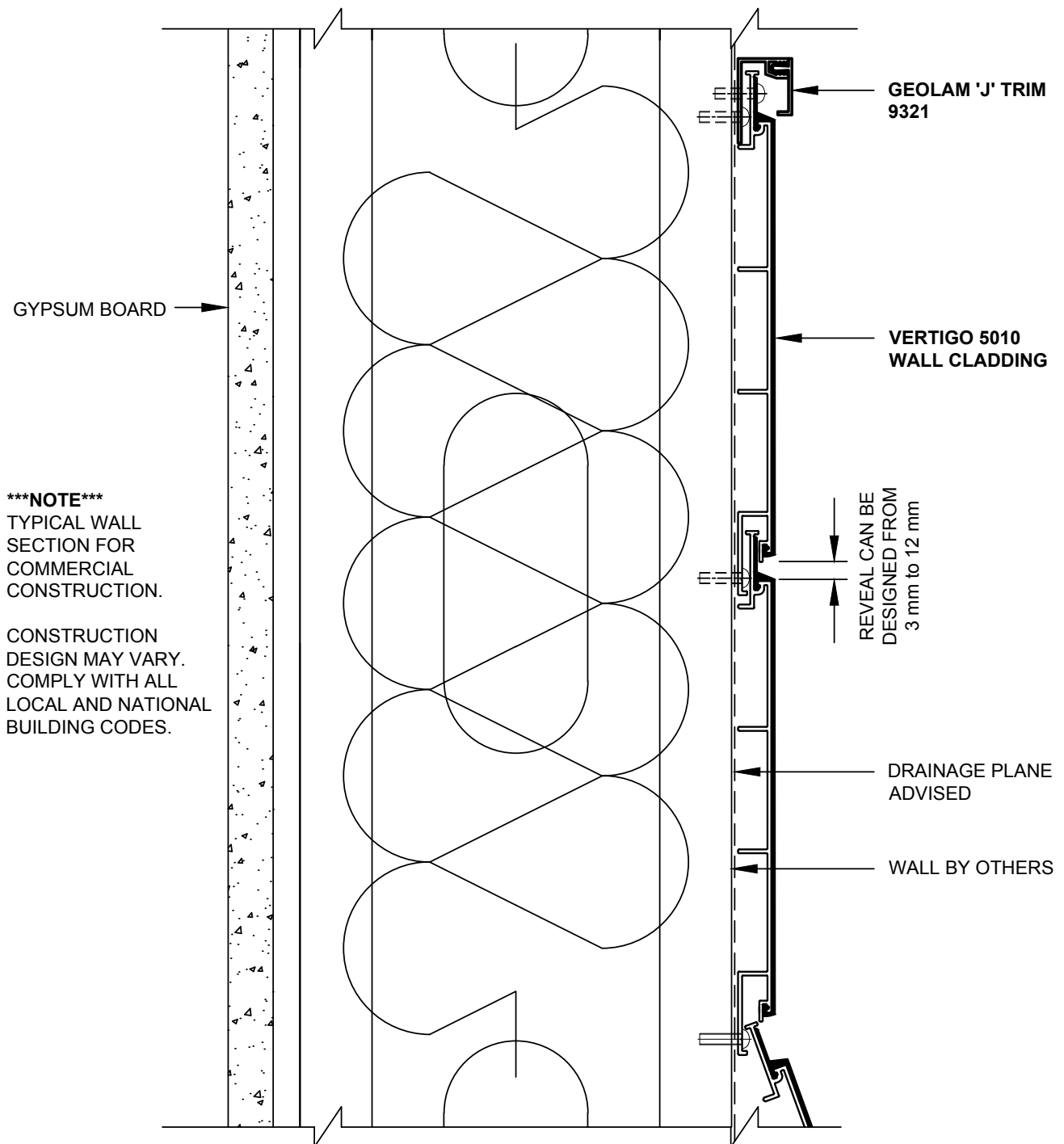
Cladding – Vertical Orientation Wall Detail (Plan View)





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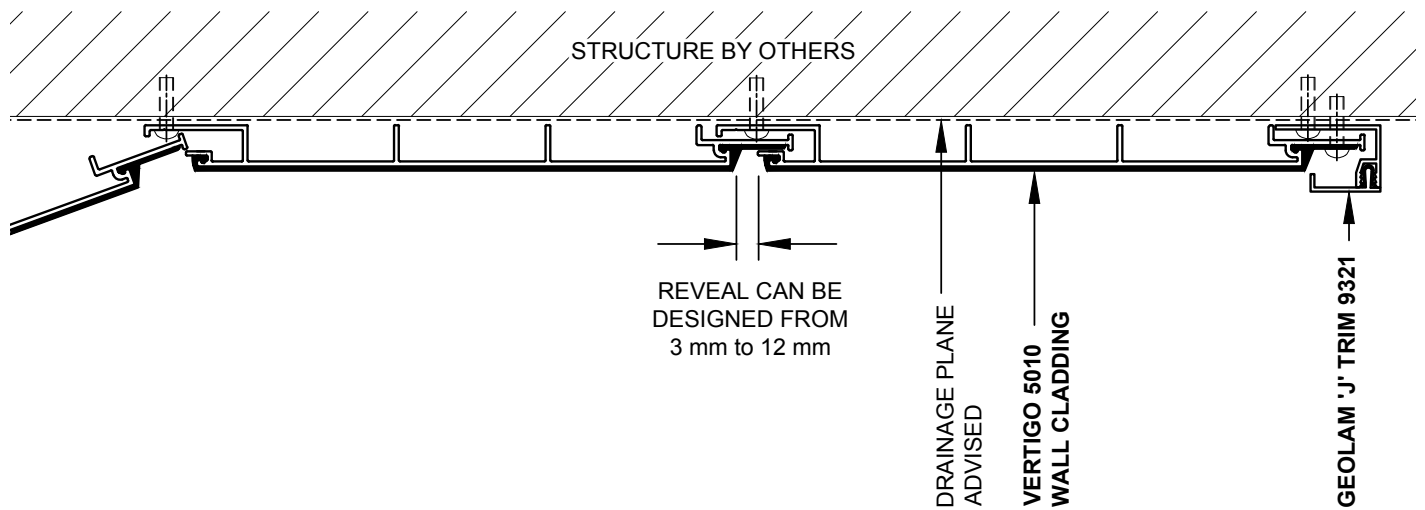
Cladding – Horizontal Orientation Wall Detail (Plan View)





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Soffit (Plan View)

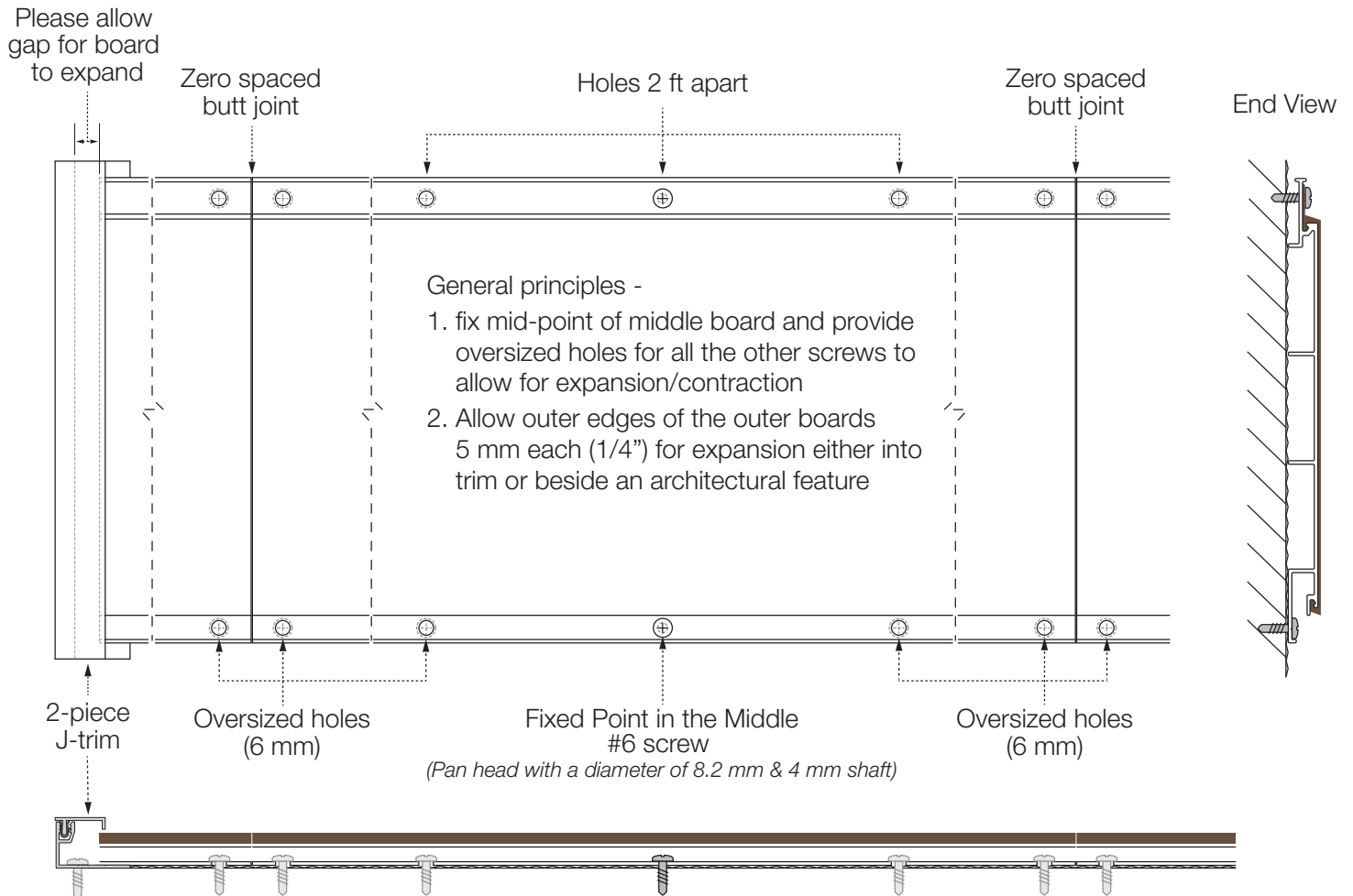




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Alternative butt joint - zero spacing

3 boards mounted horizontally



Outside boards expand into trim pieces or beside an architectural feature



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Mitered corner

Warning: mitered corners may be sharp!

