



## INSTALLATION GUIDE

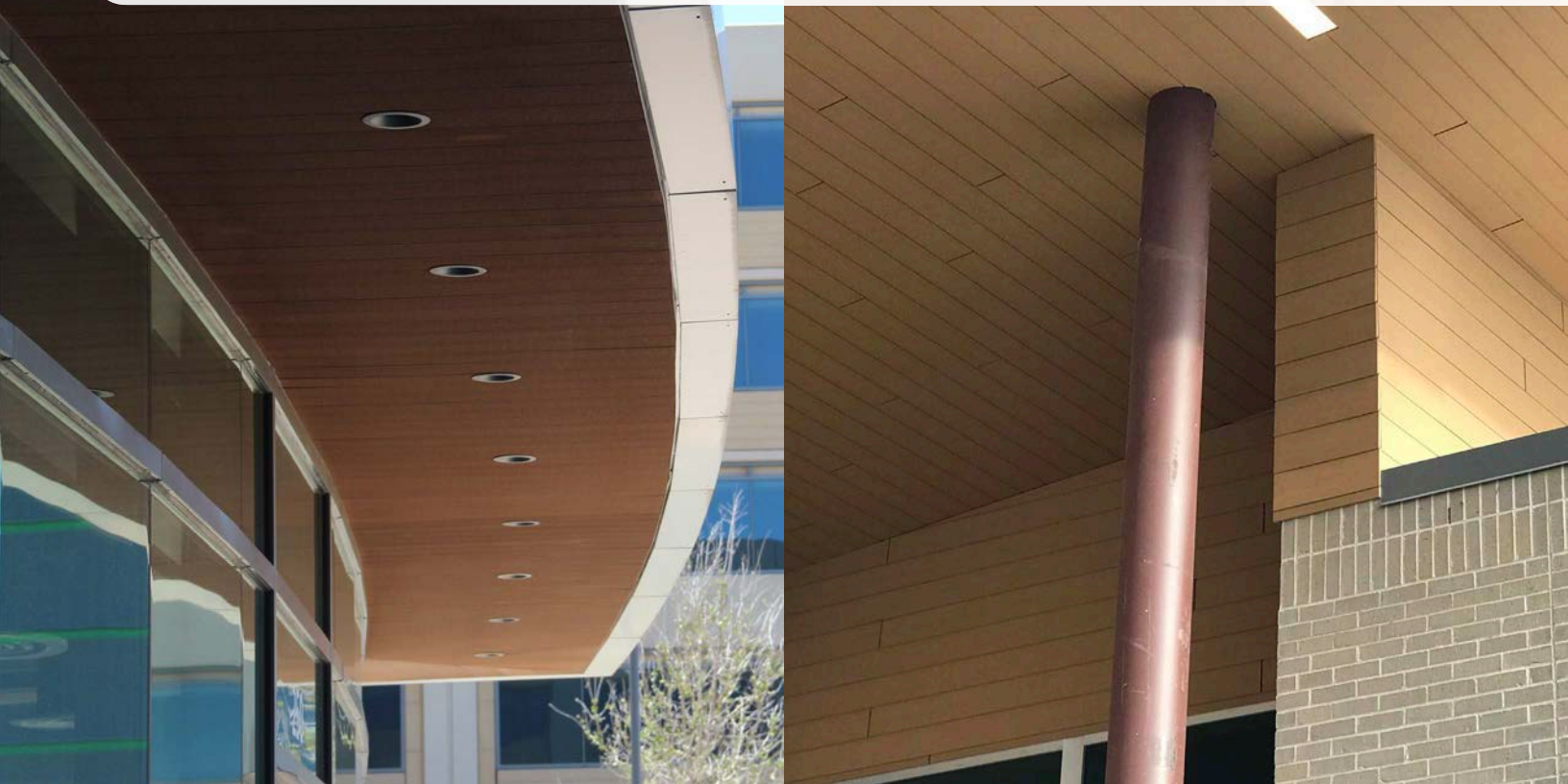
# Geolam Vertigo 5010 & 5011

Cladding & Soffits

**Geolam**<sup>®</sup>

Architectural Eco-Technology

[www.geolaminc.com](http://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 Ix (cm<sup>4</sup>):** 0.56

**Secondary moment Iy (cm<sup>4</sup>):** 121.55

**Section modulus zx (cm<sup>3</sup>):** 0.68

**Section modulus zy (cm<sup>3</sup>):** 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 (mm<sup>2</sup>):** 371.95

**Colors:**



Teak



Moleskin



Rosewood



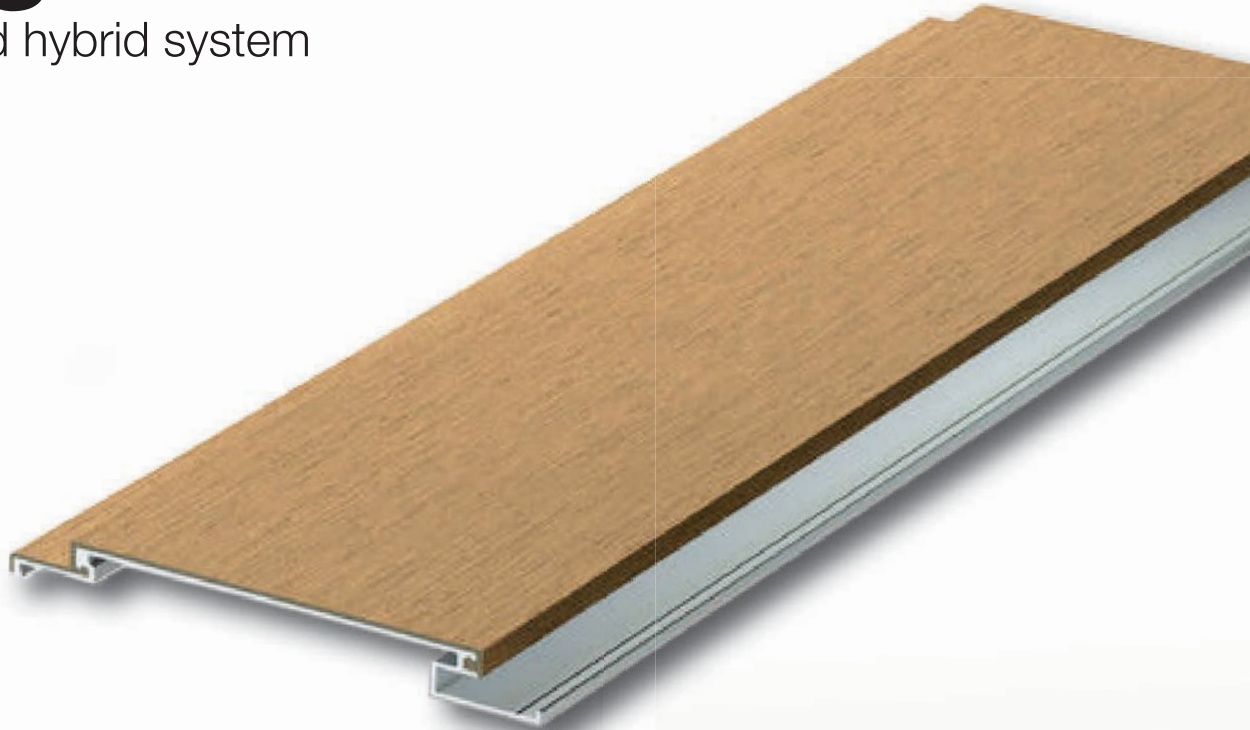
Ebony



# Vertigo 5011

WHS: Wood hybrid system

Datasheet



**Thickness:** 13 mm | ½ in  
**Total width:** 130 mm | 5 ⅛ in  
**Usable width:** 110 mm | 4 ⅛ 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 Ix (cm<sup>4</sup>):** 0.56

**Secondary moment Iy (cm<sup>4</sup>):** 121.55

**Section modulus zx (cm<sup>3</sup>):** 0.68

**Section modulus zy (cm<sup>3</sup>):** 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 (mm<sup>2</sup>):** 371.95

**Colors:**



Teak



Moleskin



Rosewood



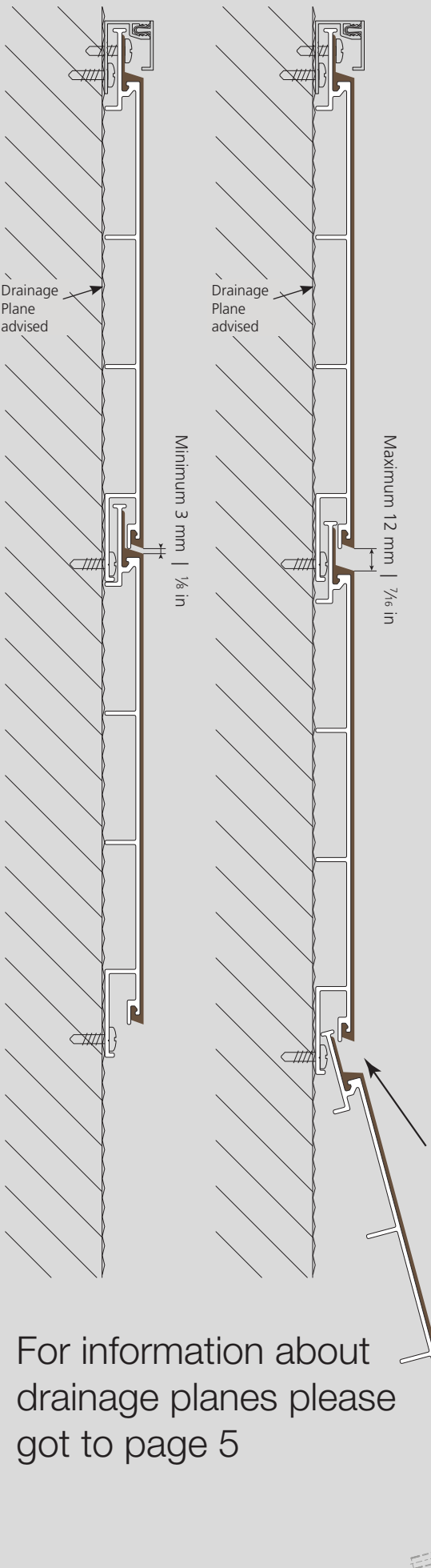
Ebony



# Vertigo 5010 & 5011

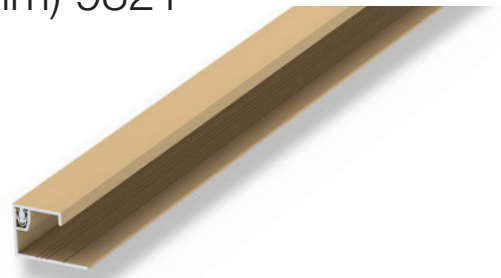
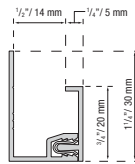
WHS: Wood hybrid system

Datasheet

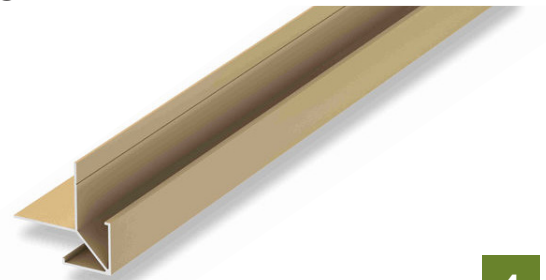
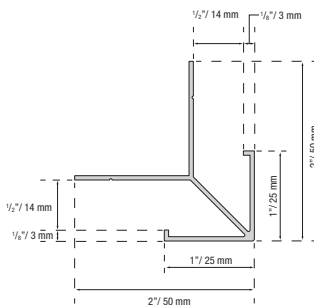


1. Weeping of condensation and air circulation are essential to the health of building products. Although the boards can be mounted directly onto the wall or substrate, it is good building practice to install a drainage plane and mount onto that. Do not seal the top nor bottom of the wall to allow for 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



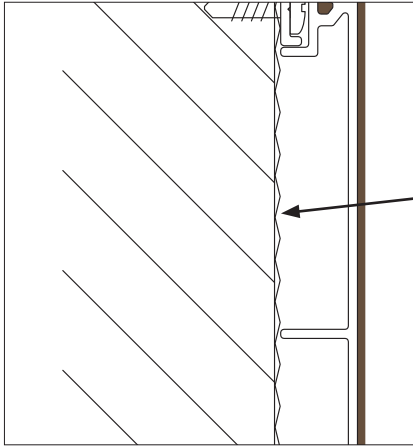
For information about drainage planes please got to page 5



# Vertigo 5010 & 5011

## Drainage planes

Drainage planes are water repellent materials that are located behind the cladding and are designed and constructed to allow airflow and water drainage.



Kingspan GreenGuard MAX Building Wrap

Some drainage plane manufacturers:

- Tyvek Stucco wrap
- TYPAR® Drainable Wrap
- HydroGap® Drainable Housewrap
- Kingspan GreenGuard MAX Building Wrap

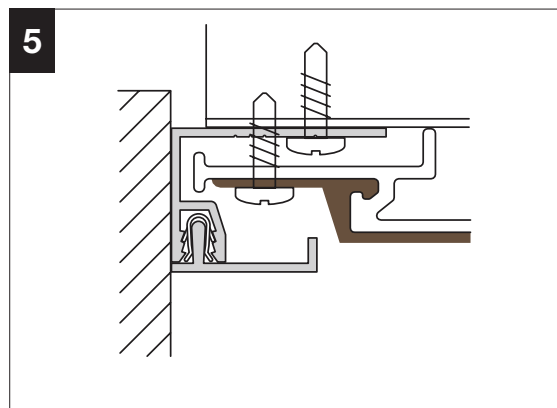
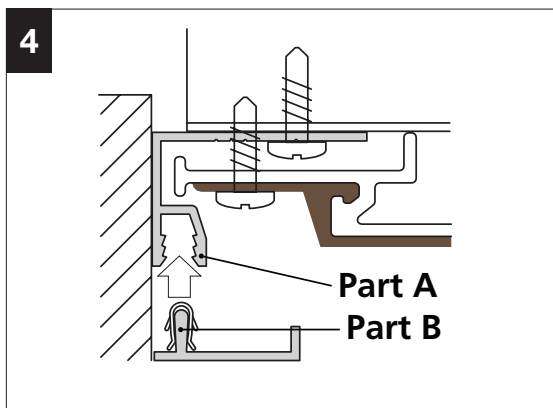
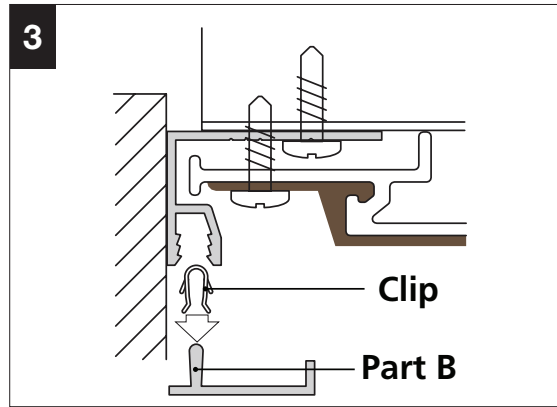
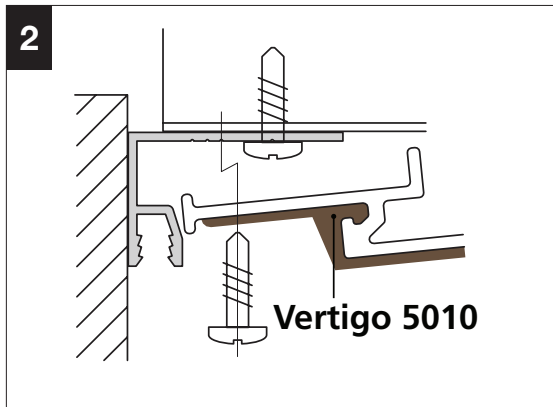
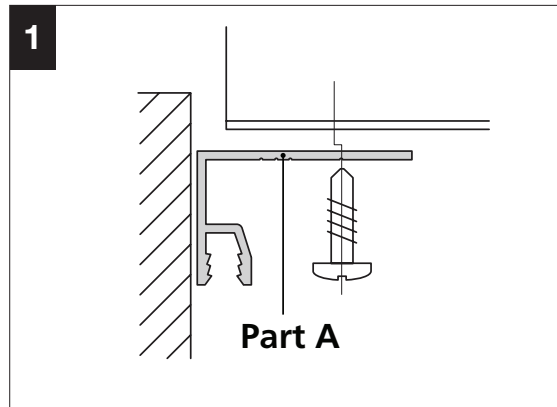
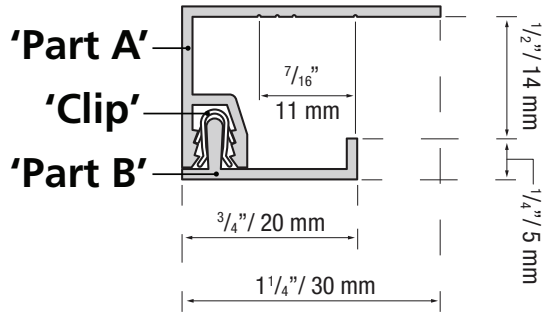
## Installation videos

[Click here to watch videos on how to install Vertigo 5010 with a drainage plane or furring strips](#)



# Vertigo 5010 & 5011

## Installation of J-trim

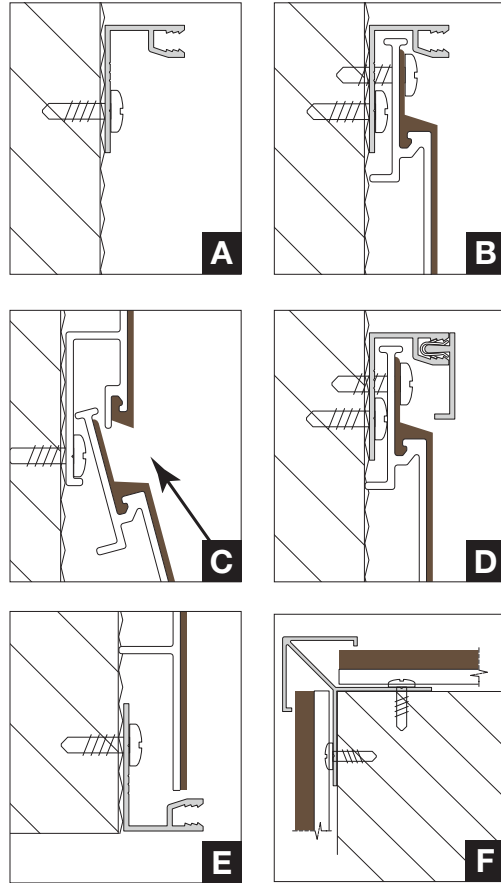




# Vertigo 5010 & 5011

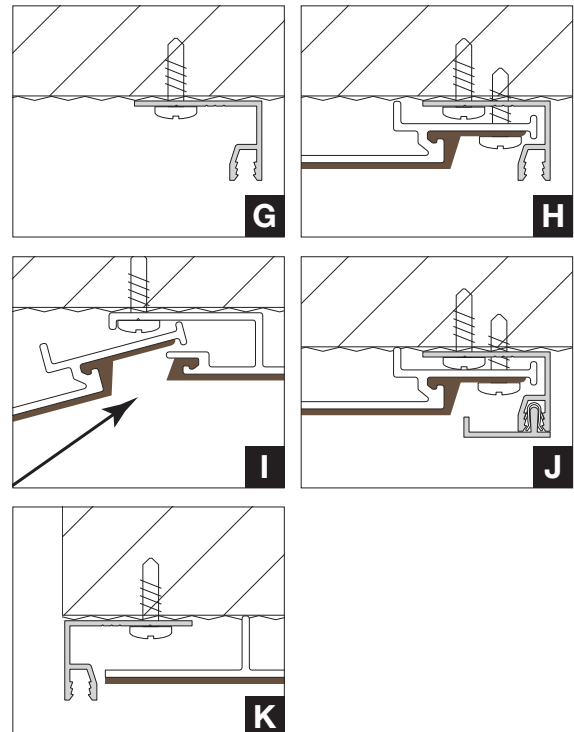
## Cladding installation

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

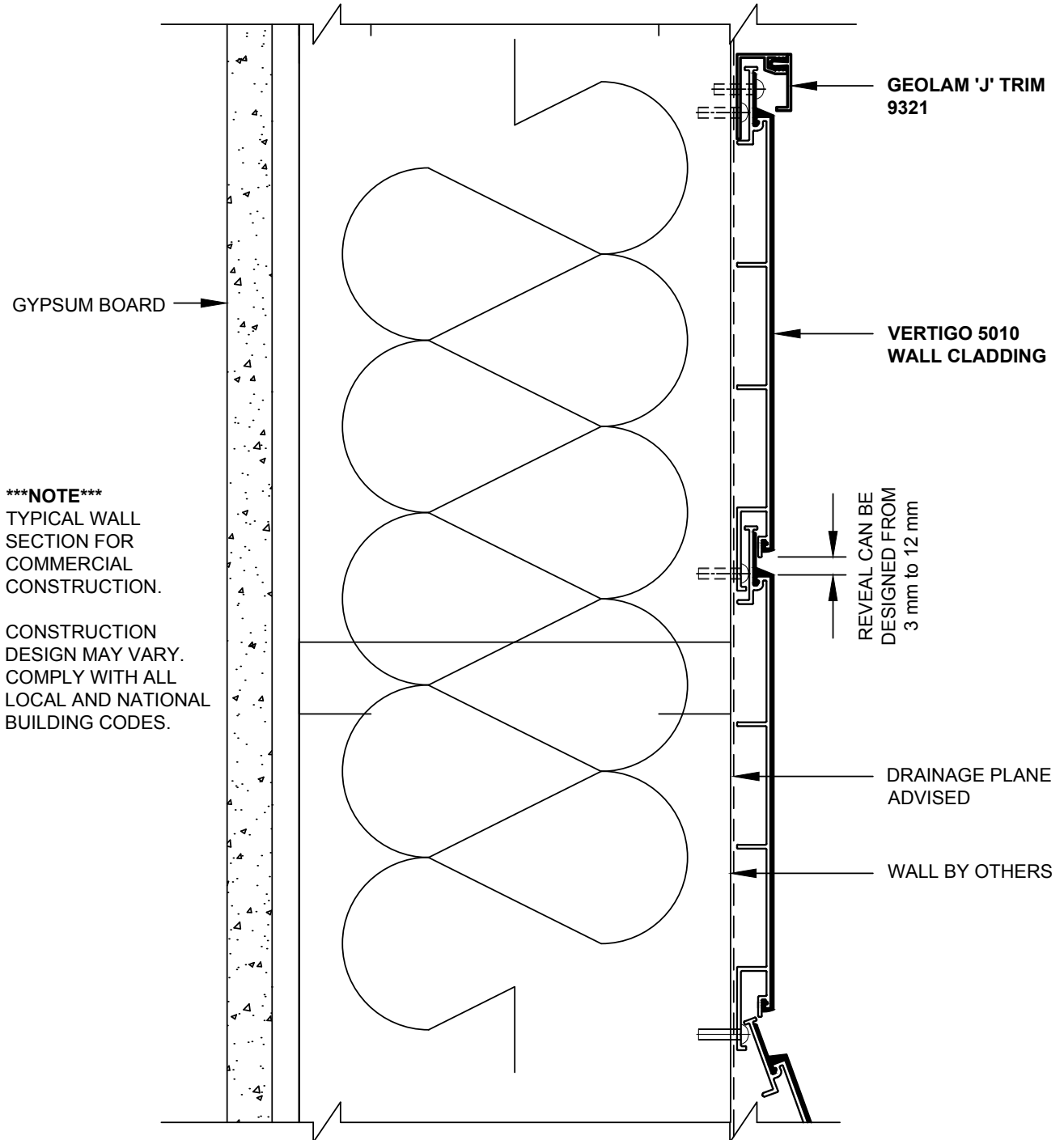
1. Install 2-piece starter/"J" at perimeter terminations (G)
2. Install first course into trim component and secure into place (H)
3. Slide adjacent panels with selected joint reveal gap and secure (I)
4. Install adjacent panels leaving 1/8" or 3mm between butt joints
5. Cut last panel as needed to fit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





# Vertigo 5010 & 5011

Cladding – Vertical orientation wall detail (plan view)

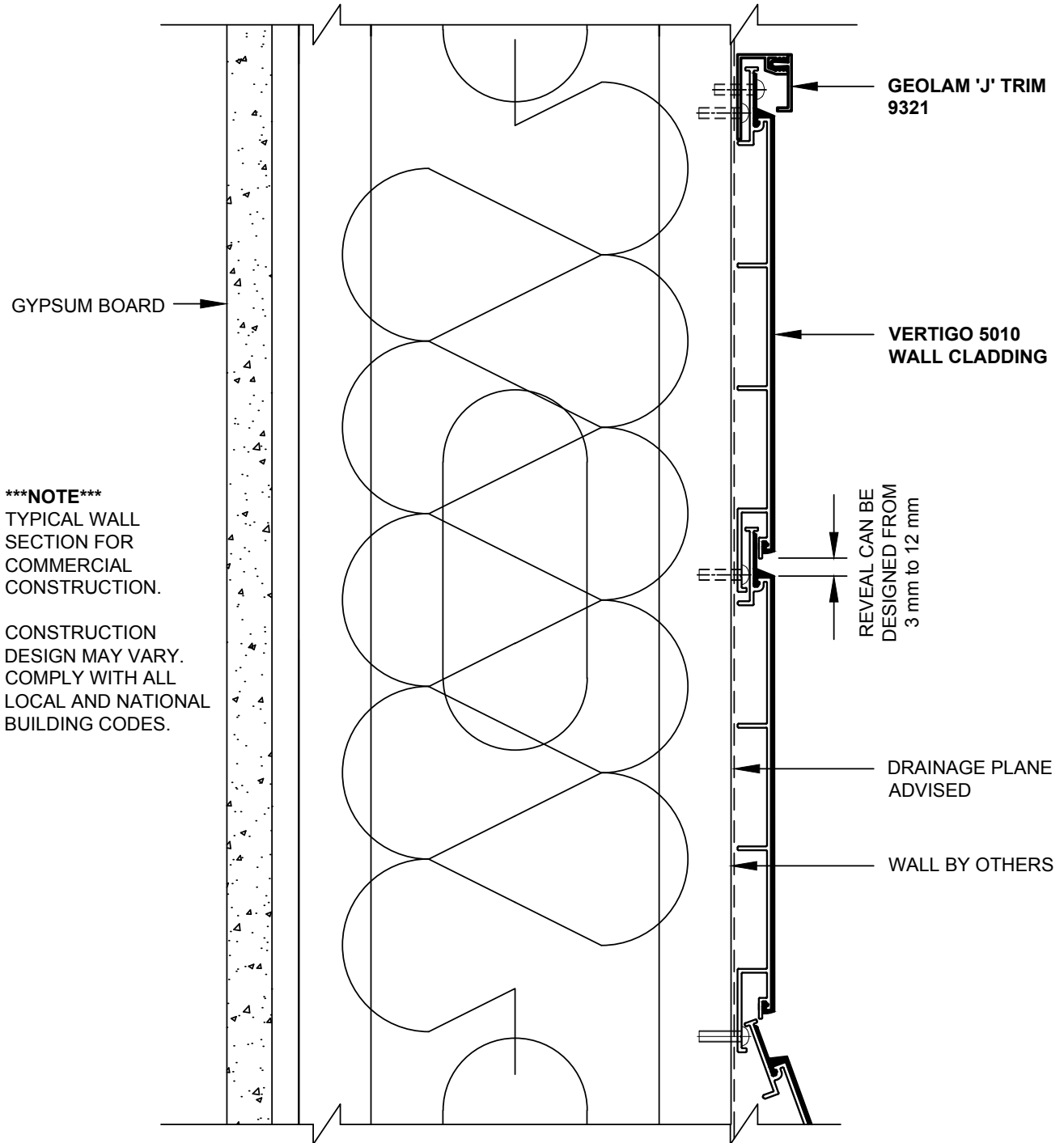






# Vertigo 5010 & 5011

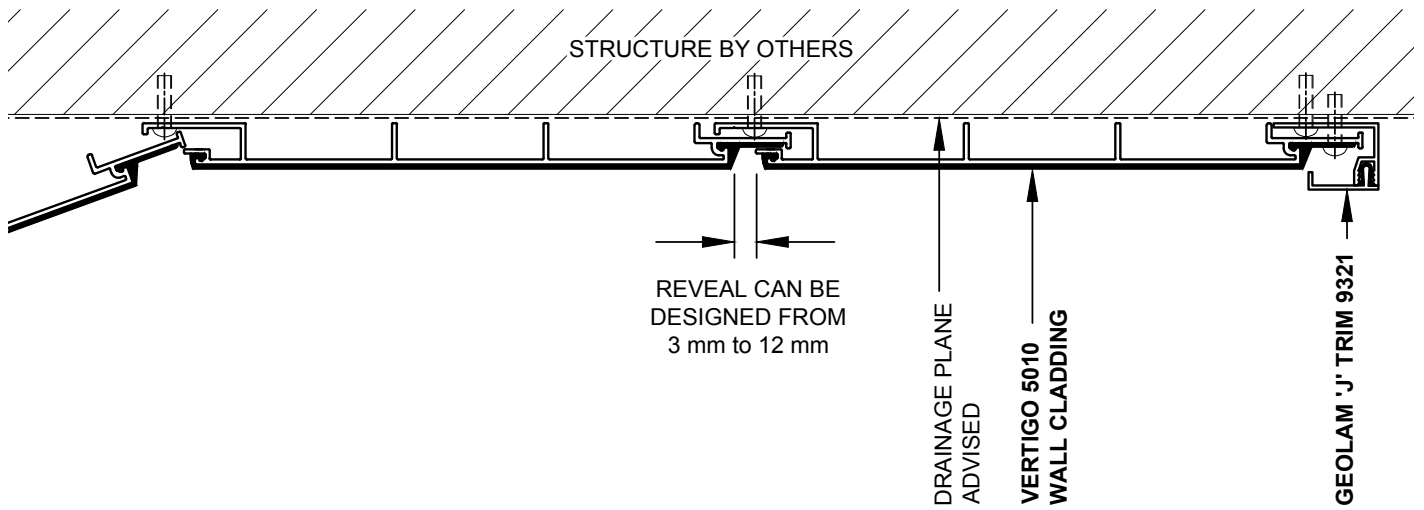
Cladding – Horizontal orientation  
wall detail (plan view)





# Vertigo 5010 & 5011

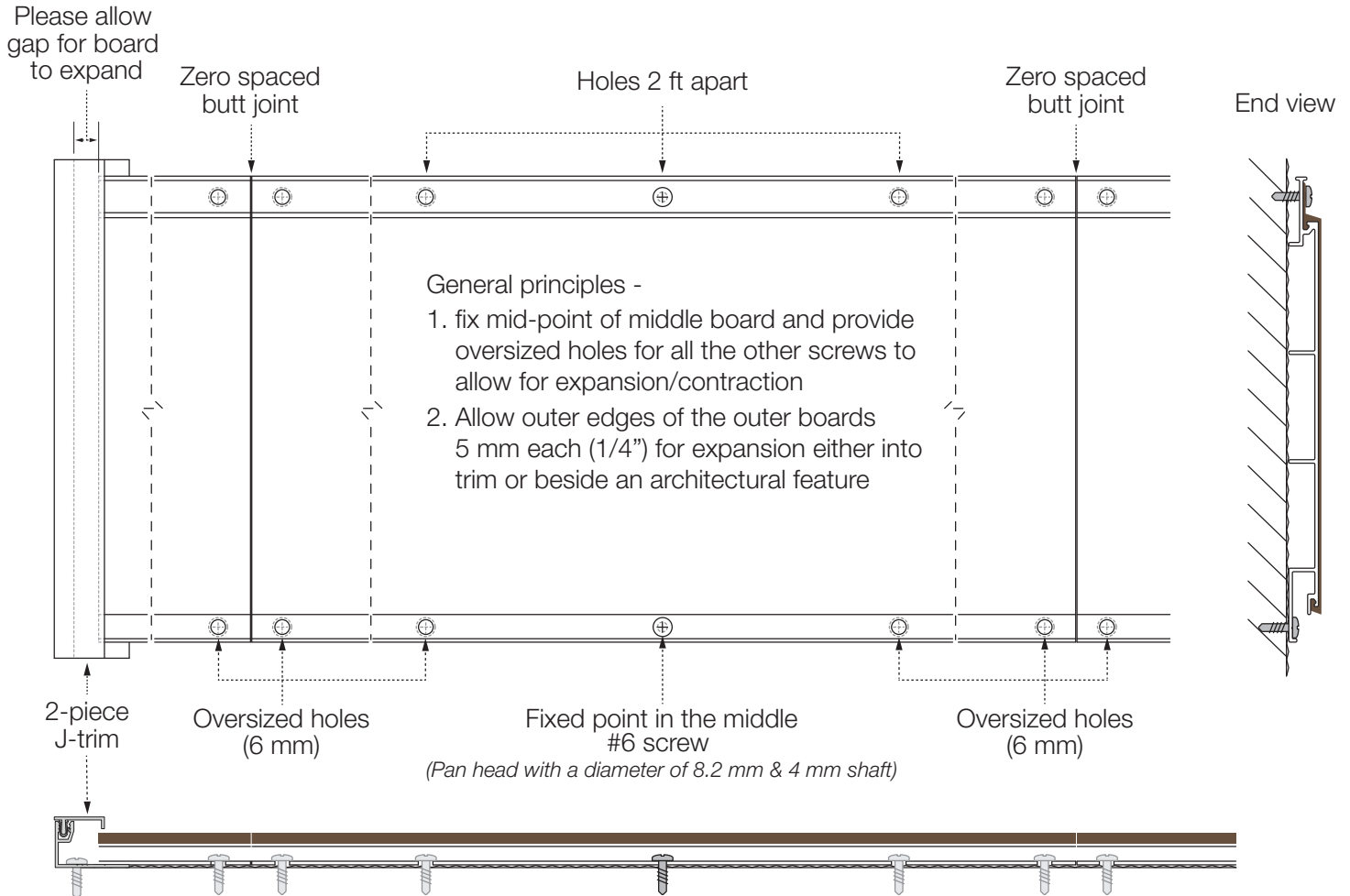
Soffit (plan view)





# Vertigo 5010 & 5011

## Alternative butt joint - zero spacing 3 boards mounted horizontally



Outside boards expand into trim pieces or beside an architectural feature



# Vertigo 5010 & 5011

## Mitered corner

**Warning:** mitered corners may be sharp!

