

Insulated Panel Systems
North America

Protected by



QuadCore® KarrierPanel®

Universal Barrier Wall Solution



Introduction



QuadCore KarrierPanel is a cost effective universal barrier wall alternative solution to traditional multi-component wall systems.

Comprising of a KS Series panel and integrated rail, QuadCore KarrierPanel is the ideal barrier wall to support secondary rainscreens systems such as metal or brick façades.

QuadCore KarrierPanel is suitable for all building types in any climate, and combines the thermal benefits of lightweight insulated metal panels with the aesthetics of multiple façades.

QuadCore KarrierPanel offers a simple, time efficient alternative to traditional multi-part façades, allowing the structure to be quickly closed in to ensure air, vapor and watertightness as soon as possible. Once installed, QuadCore KarrierPanel provides 100% building envelope performance.





01

QuadCore KarrierPanel

Product Details

Unique KarrierRail

Build Speed

Thermal Performance

Kingspan Service and Support

Projects

02

Construction Details

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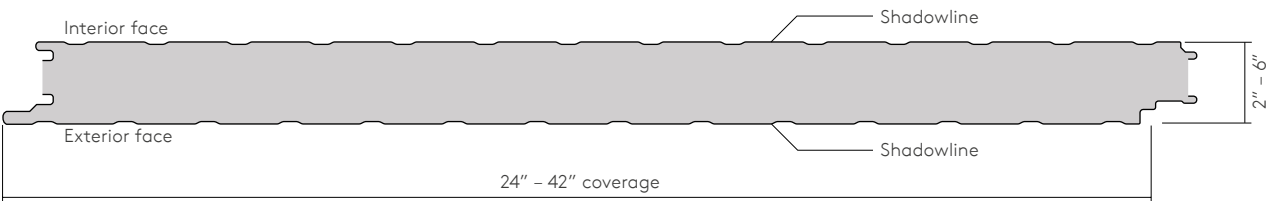


QuadCore KarrierPanel

QuadCore KarrierPanel is a cost effective universal barrier wall alternative solution to traditional multi-component wall systems. Comprising of a KS Series panel and integrated rail, QuadCore KarrierPanel is the ideal barrier wall to support secondary non-combustible rainscreen systems such as brick or metal facades offering total design flexibility.



Exterior profile	Shadowline or flat with stucco embossing (optional non-embossed)
Interior profile	Shadowline with stucco embossing (optional non-embossed)
Exterior gauge	26, 24, 22 ga
Interior gauge	26, 24, 22 ga
Width	24", 30", 36", 40", 42"
Reveal	3/8" to accommodate rail
Lengths	8' – 53'
Thicknesses	2", 2.5", 3", 4", 5" and 6"
Post fabrication	N/A
R-value	≈ 8 per inch per ASTM C518 @ 75°F mean temperature ≈ 9 per inch per ASTM C518 @ 35°F mean temperature
Orientation	Vertical or Horizontal



QuadCore KarrierPanel Benefits

Unique KarrierRail

QuadCoreKarrierPanel utilizes a Kingspan designed unique rail. This stable and secure structural rail safely transmits positive loads from the multiple façades to the structural supports behind the insulated panels.

Similarly, expansion fasteners secure the exposed rail edge, ensuring that the system safely handles negative loads as well.

The rail has been developed to fully integrate with Kingspan's KS series panel joint. This rail system does not penetrate the air vapor barrier and enables multiple types of rain screens to be attached to the QuadCoreKarrierPanel rail such as brick, single skin metal, and various tile systems.

Installation is quick, simple and easy, as the rail is installed during normal panel installation, and is secured using standard panel fasteners in a one step procedure.

The standard rail configuration is 16 gauge galvanized steel (G90) per ASTM A653-A653M, Gr.50-Cl.3. Available in various lengths with a 1, 2 and 3 inch bearing surface.

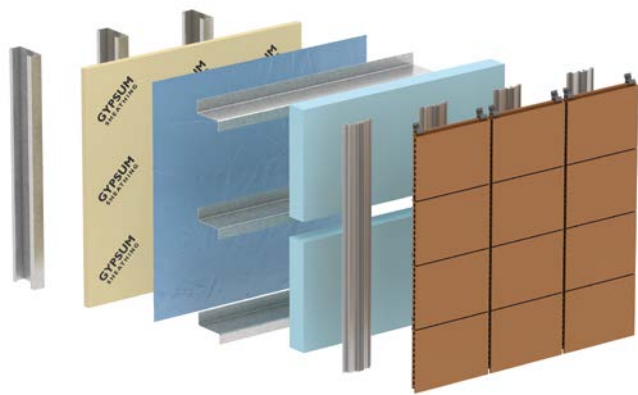


Benefits of the QuadCoreKarrierPanel Wall System Vs Traditional Built-up Construction:

- The single component QuadCoreKarrierPanel wall system combines the superior thermal performance of IMPs with an air, water and vapor barrier.
- More uniform temperature distribution throughout the wall ensures moisture control.
- Eliminates energy losses associated with thermal-bridging cavity insulation.
- Eliminates concerns over UV exposure as compared to conventional rainscreen components.
- Eliminates the potential for compromising the air, water and vapor barrier and allows for visual inspection and testing.
- Results in quicker ROI.

Build Speed

QuadCoreKarrierPanel as a single component system increases speed of build, minimizes delays and the need for multiple trades.



Typical multi-part façade system

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1 Single Component
QuadCoreKarrierPanel
Wall System

QuadCoreKarrierPanel System
with Metal Single Skin Rainscreen

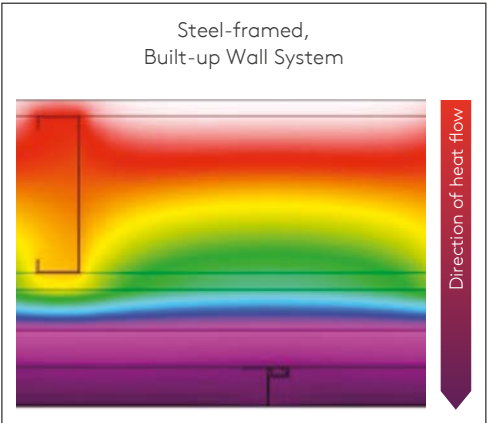
- Faster close-in and dry-in for reduced building costs.
- The single component system results in less labor time on-site and construction waste.
- Reduces delays in construction experienced with scheduling multiple trades.
- Increase in build speed allows faster project completion and reduces business disruption.



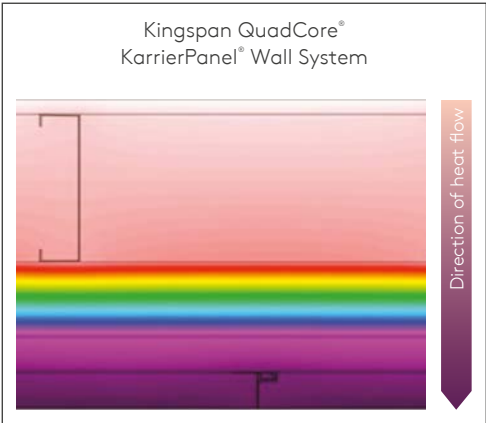
to watch Traditional
Multi-Component Wall
Build vs. Kingspan
KarrierPanel

Thermal Performance

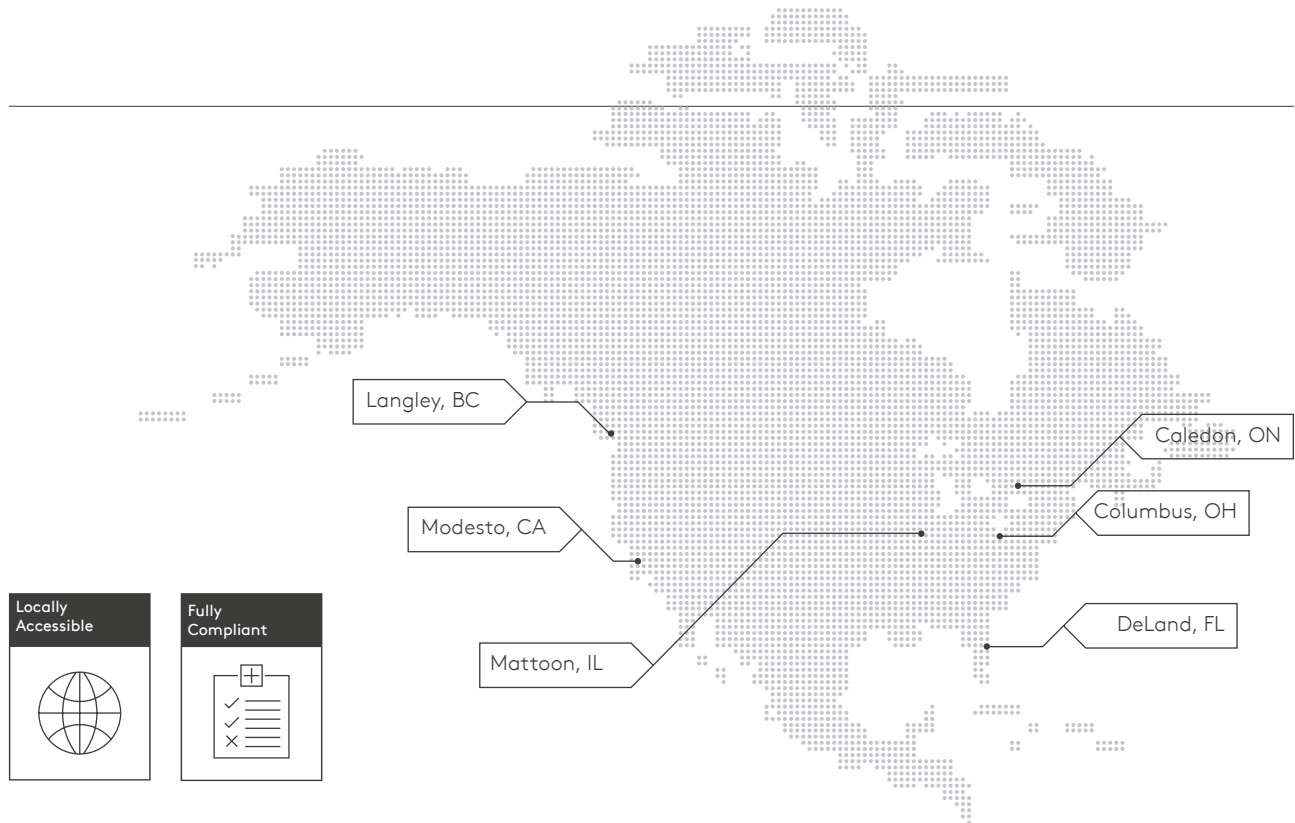
The insulated panel provides excellent thermal performance with high R-value and airtightness with an air, water and vapor barrier.



Vs



Service and Support



Technical Service

Kingspan provides a comprehensive technical advisory service to assist architects, engineers, specifiers and installation contractors with building design, product application and site work installation training and challenges.

Customer Service

Our dedicated team provides focused customer service for all pre and post-order administration, delivery scheduling, and installer support, ensuring a seamless coordinated customer experience.

Marketing Support

Our marketing team aims to provide a fast turnaround on standard sample and literature requests, eliminating delays with planning and client approval of material, so that your project begins on time.

Additional marketing support is provided through the use of project case studies.

Field Service Support

Kingspan's Field Service Engineering Team offer customers free contractor training on the installation of new and existing products, site inspection services as well as advice on mechanical handling solutions.

Sales Team

Our regionally based sales team can provide assistance on any project from the design stage through to site installation.

Find your local sales rep on our website:
www.kingspanpanels.us or www.kingspanpanels.ca.

Email Us

Technical services: technical.NA@kingspanpanels.com

Installation seminars: installation@kingspanpanels.com

Product samples: samples.NA@kingspan.com

QuadCore KarrierPanel Projects

Evergreen Self Storage

Evergreen, VA



QuadCore KarrierPanel Projects

Salem State University Fitness Center
Salem, MA



Archer Hotel
Austin, TX



QuadCore KarrierPanel Projects

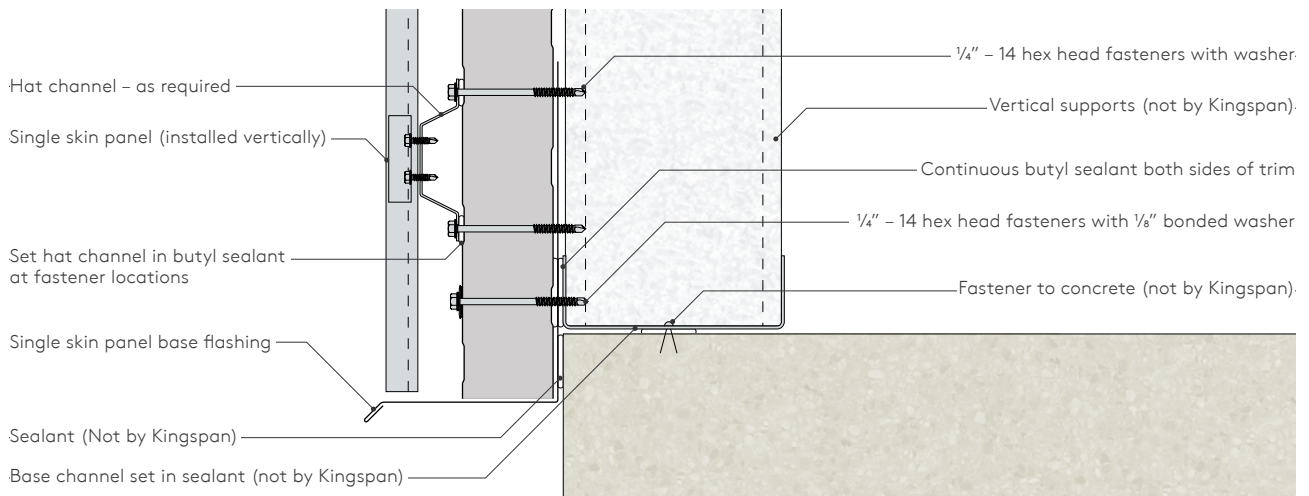
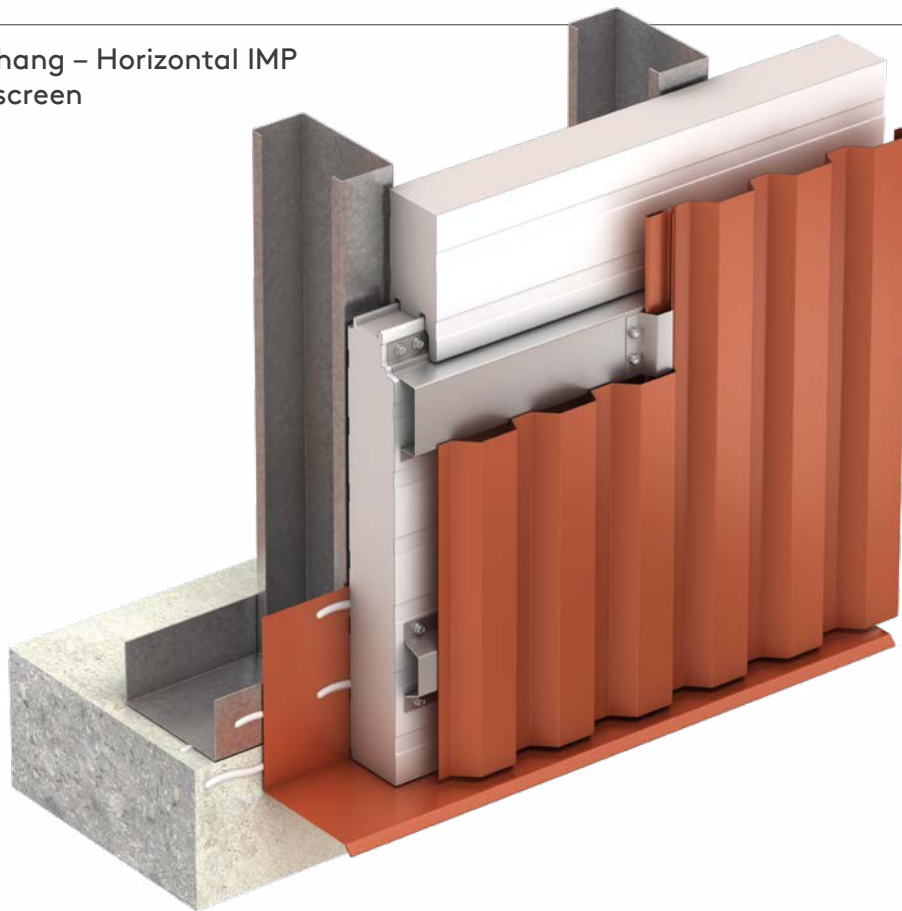
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Vaughan, ON



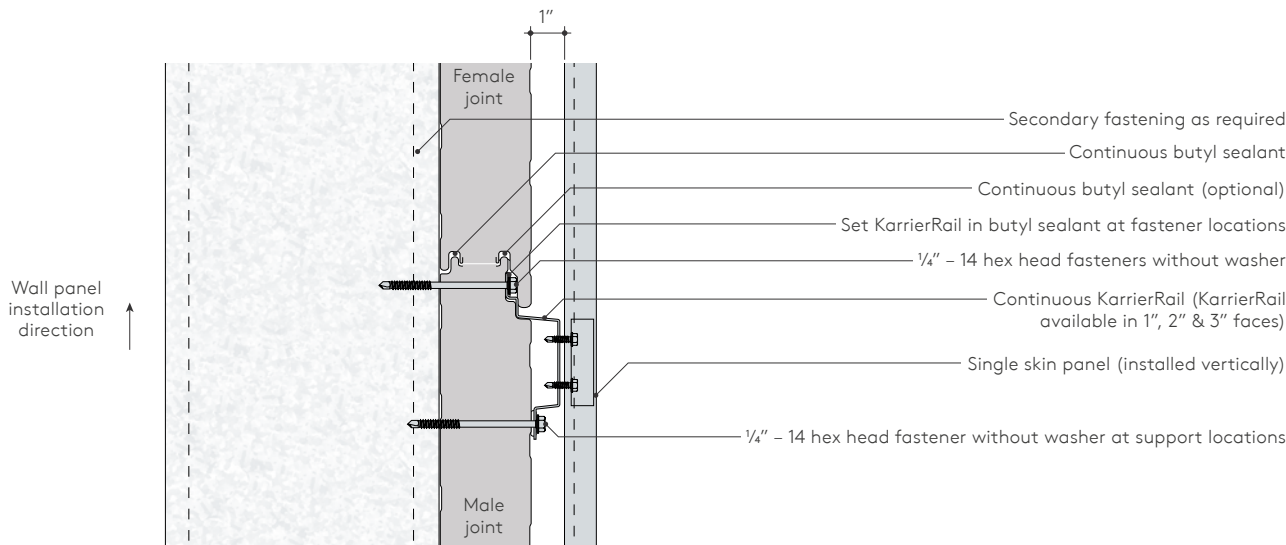


Construction Details

Base at Overhang – Horizontal IMP
Vertical Rainscreen

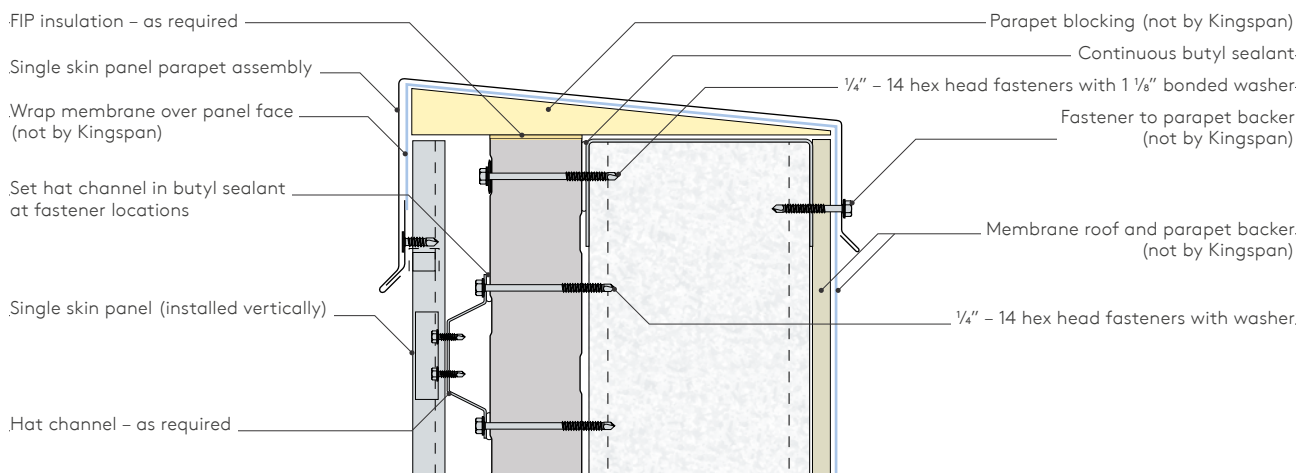
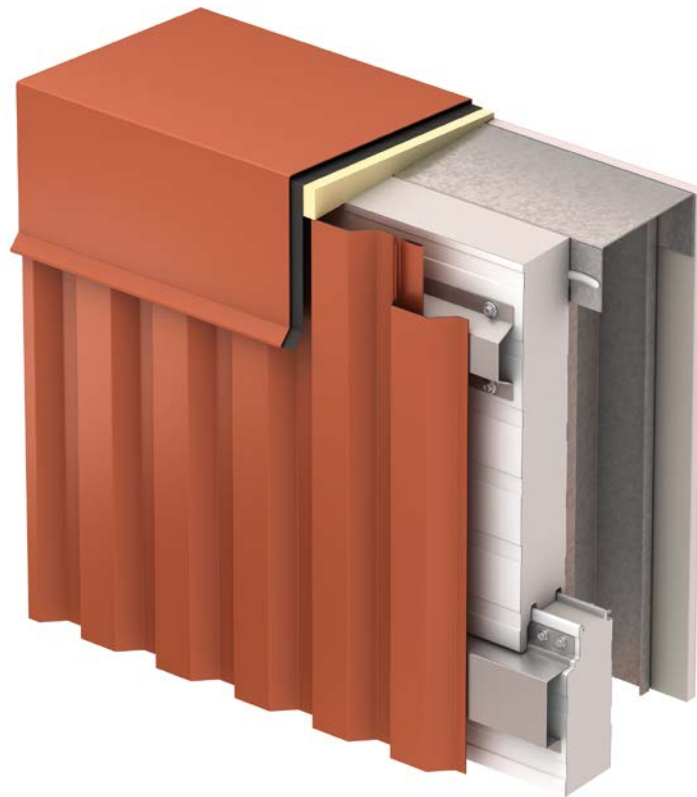


Intermediate Support – Horizontal IMP
Vertical Rainscreen

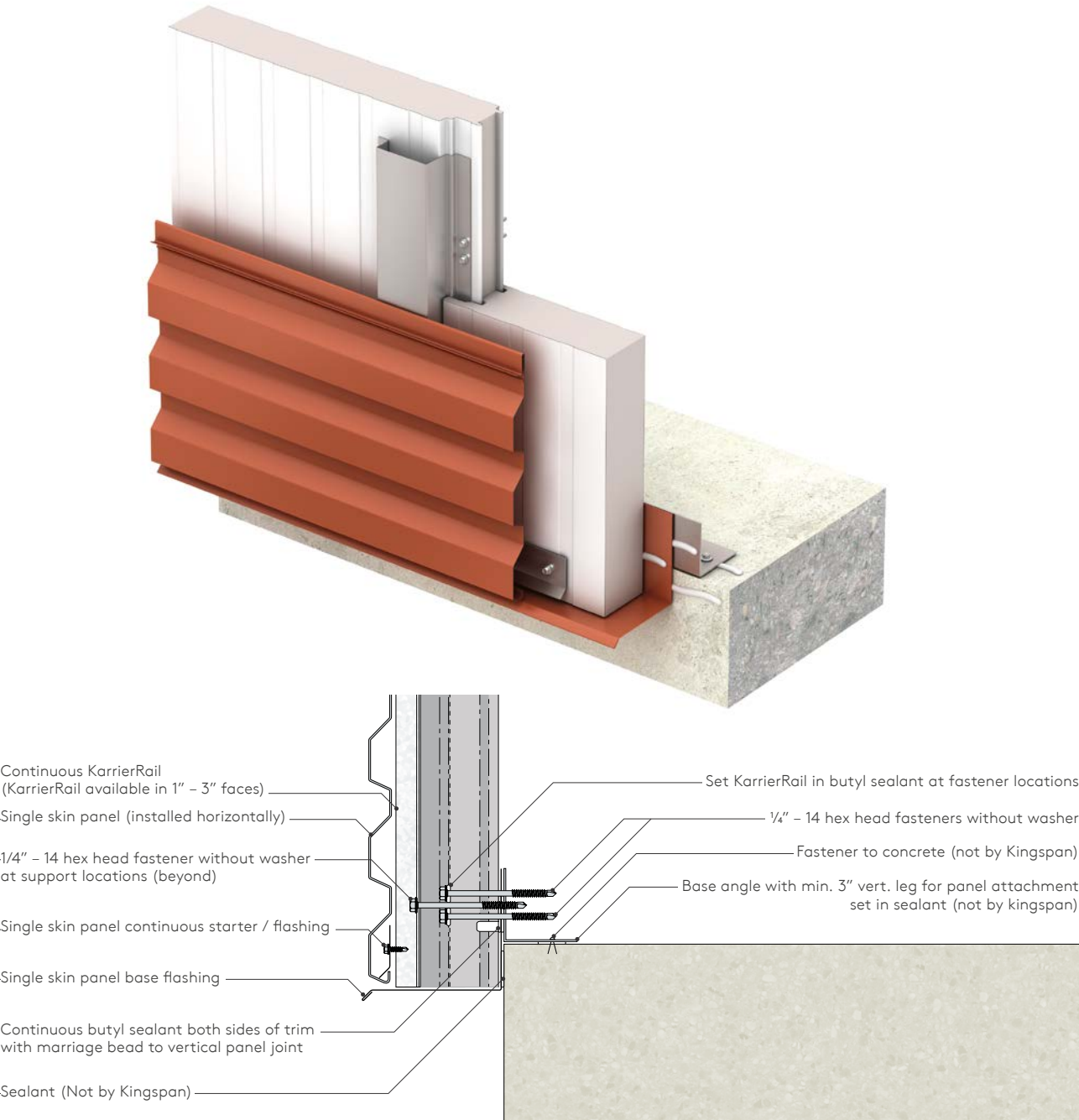


Construction Details

Parapet Detail – Horizontal IMP Vertical Rainscreen

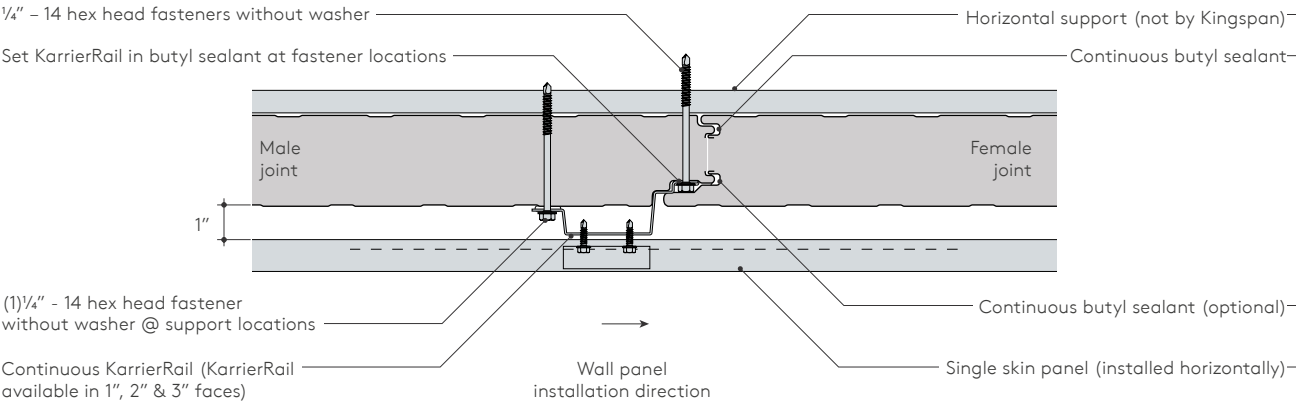


Base Detail – Vertical IMP Horizontal Rainscreen

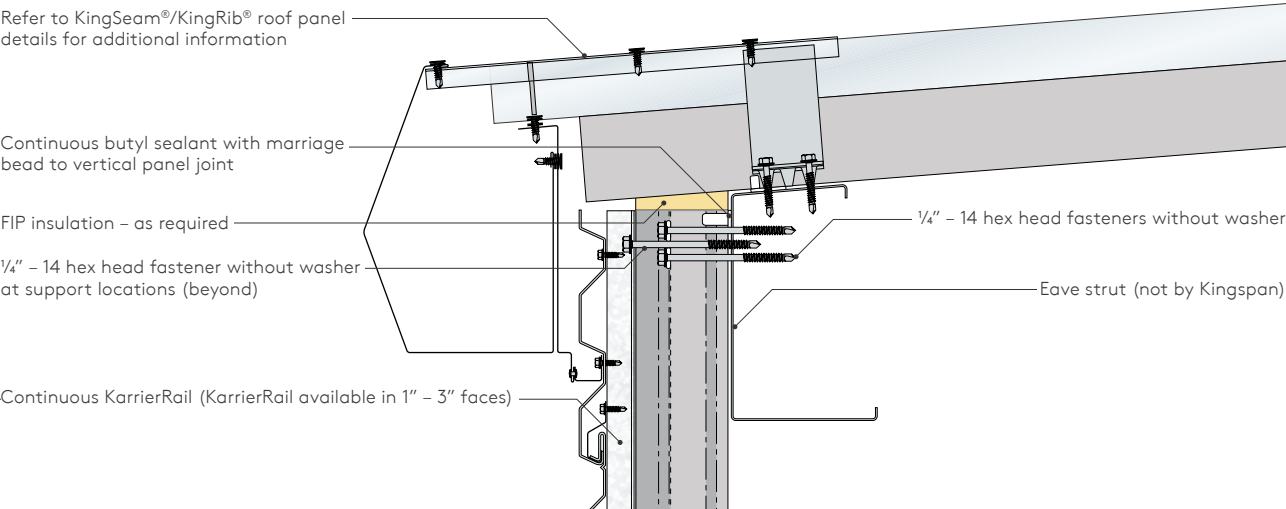
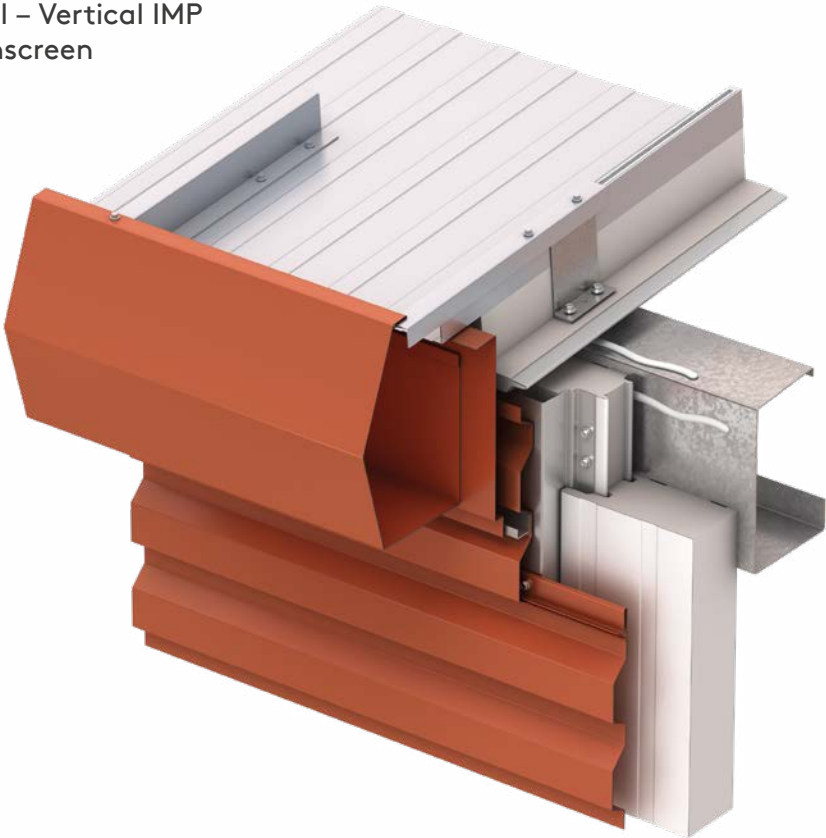


Construction Details

Intermediate Support – Vertical IMP Horizontal Rainscreen

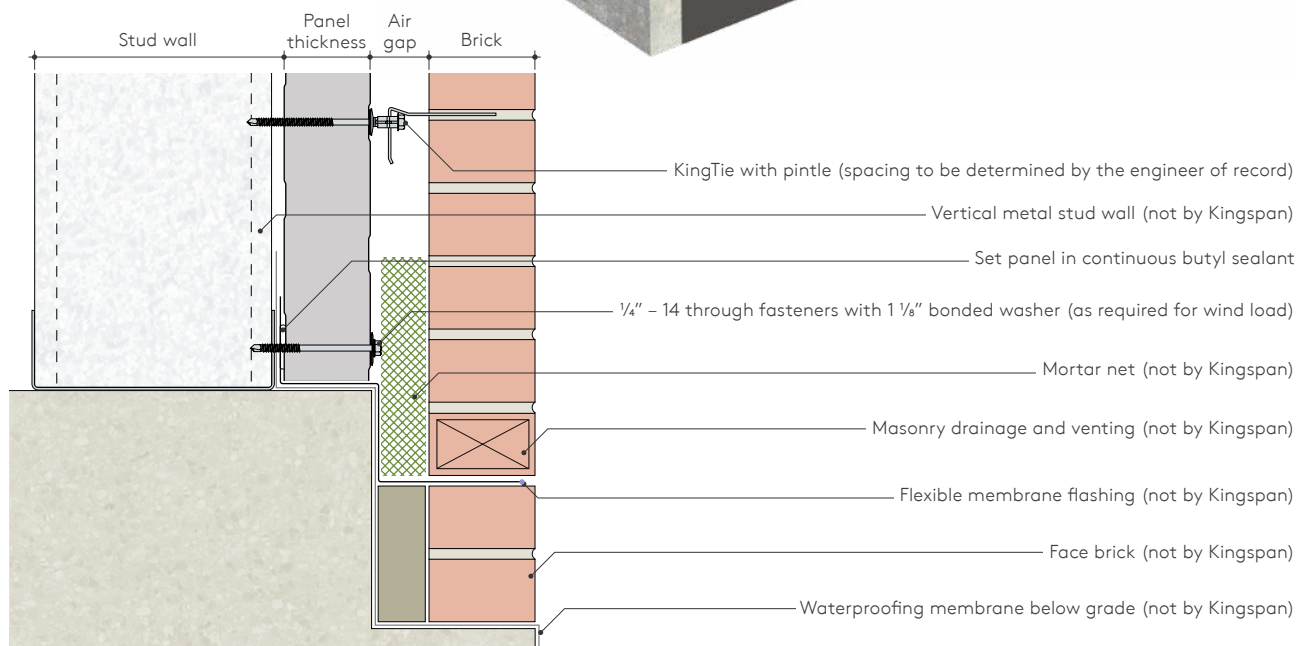
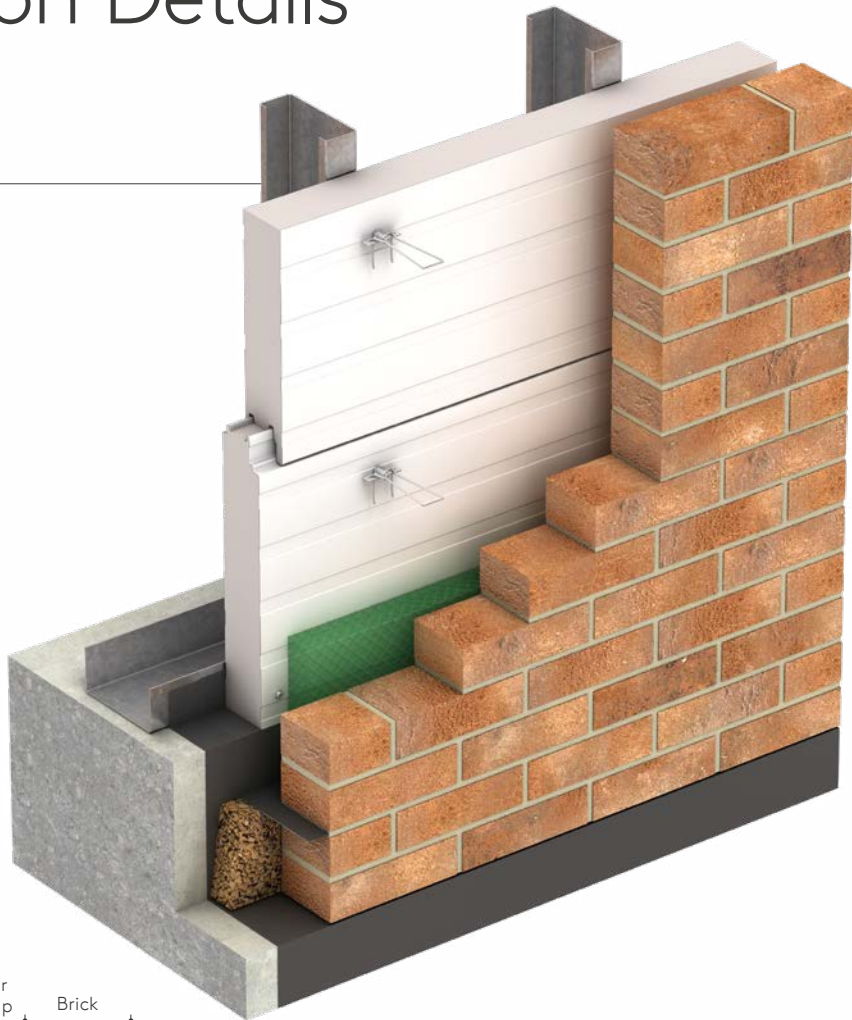


Low Eave Detail – Vertical IMP
Horizontal Rainscreen

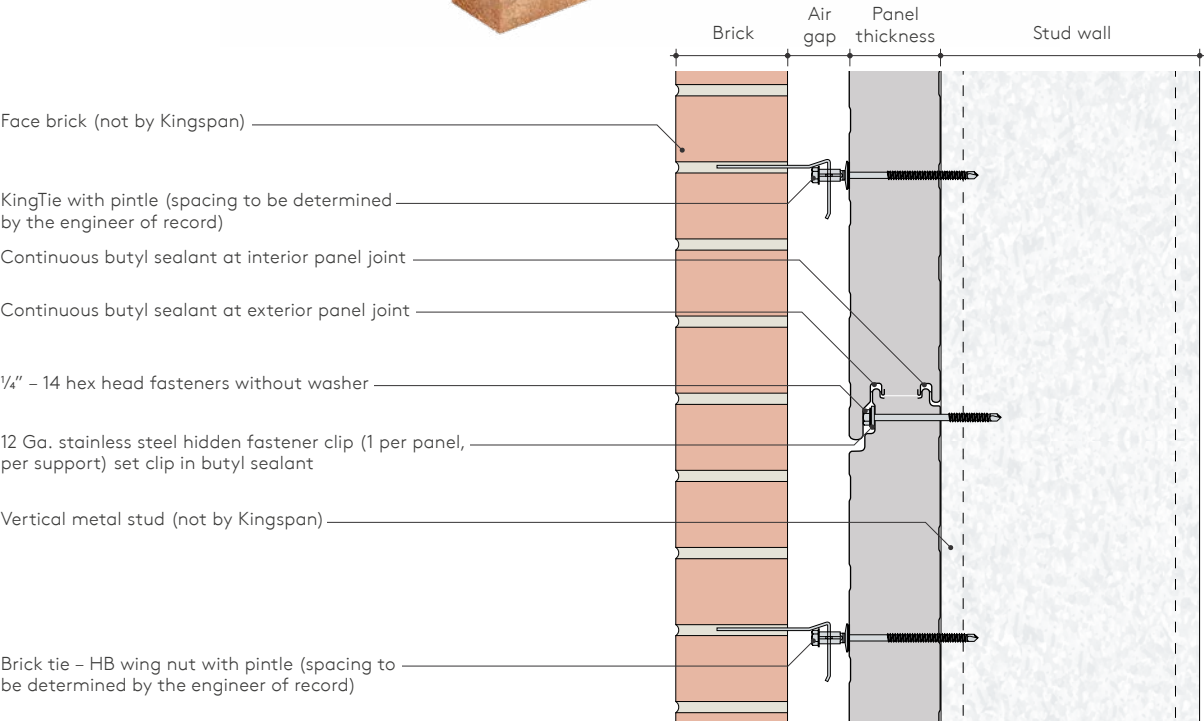
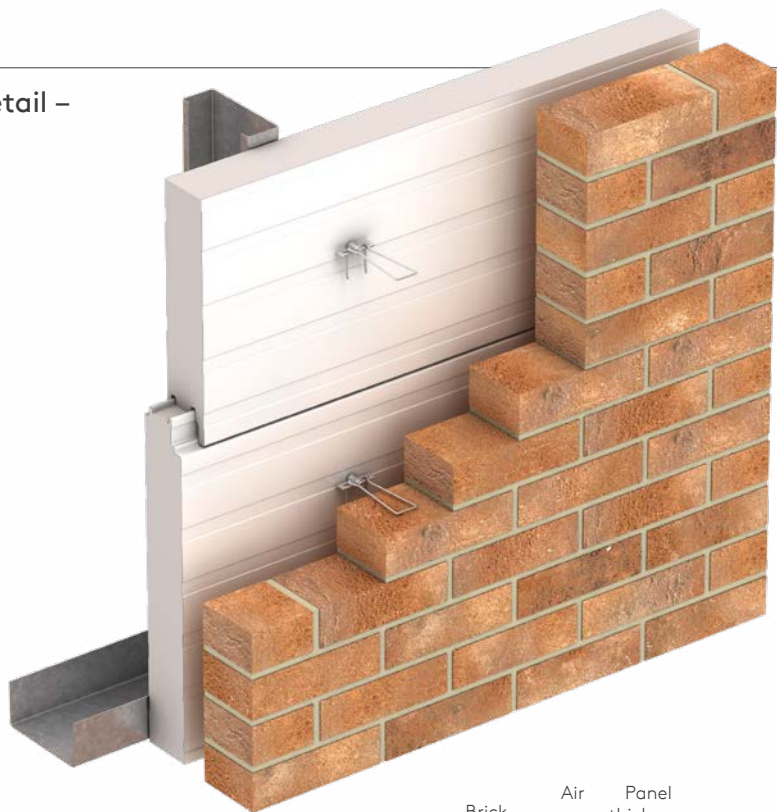


Construction Details

Base Detail – Horizontal IMP

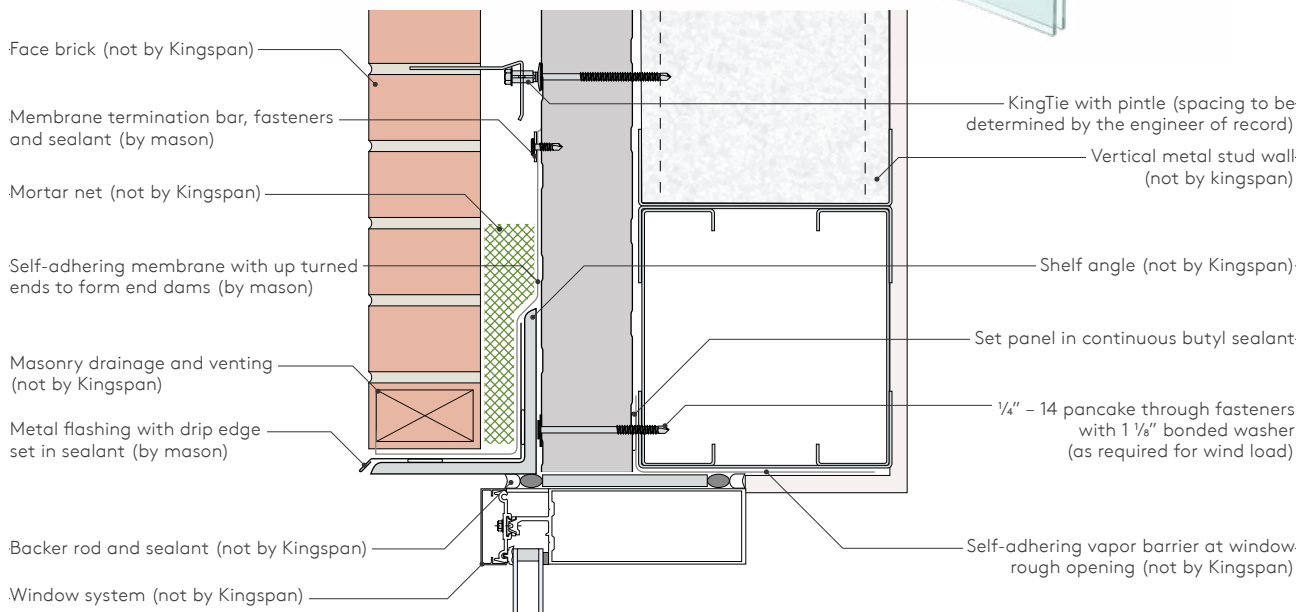
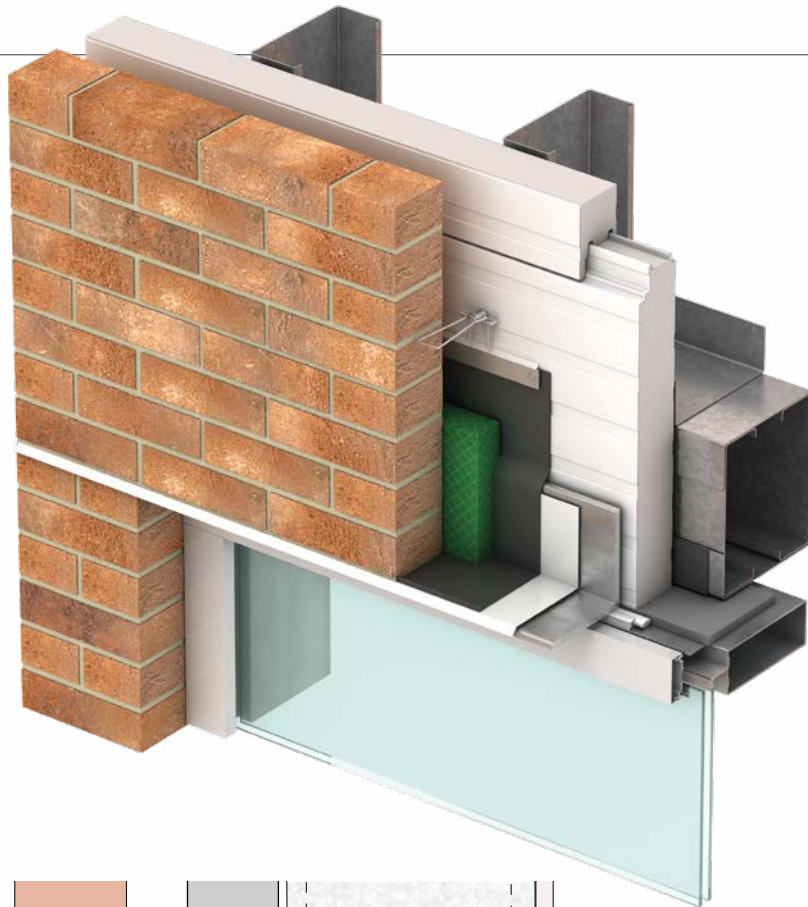


Engaged Panel Detail –
Horizontal IMP

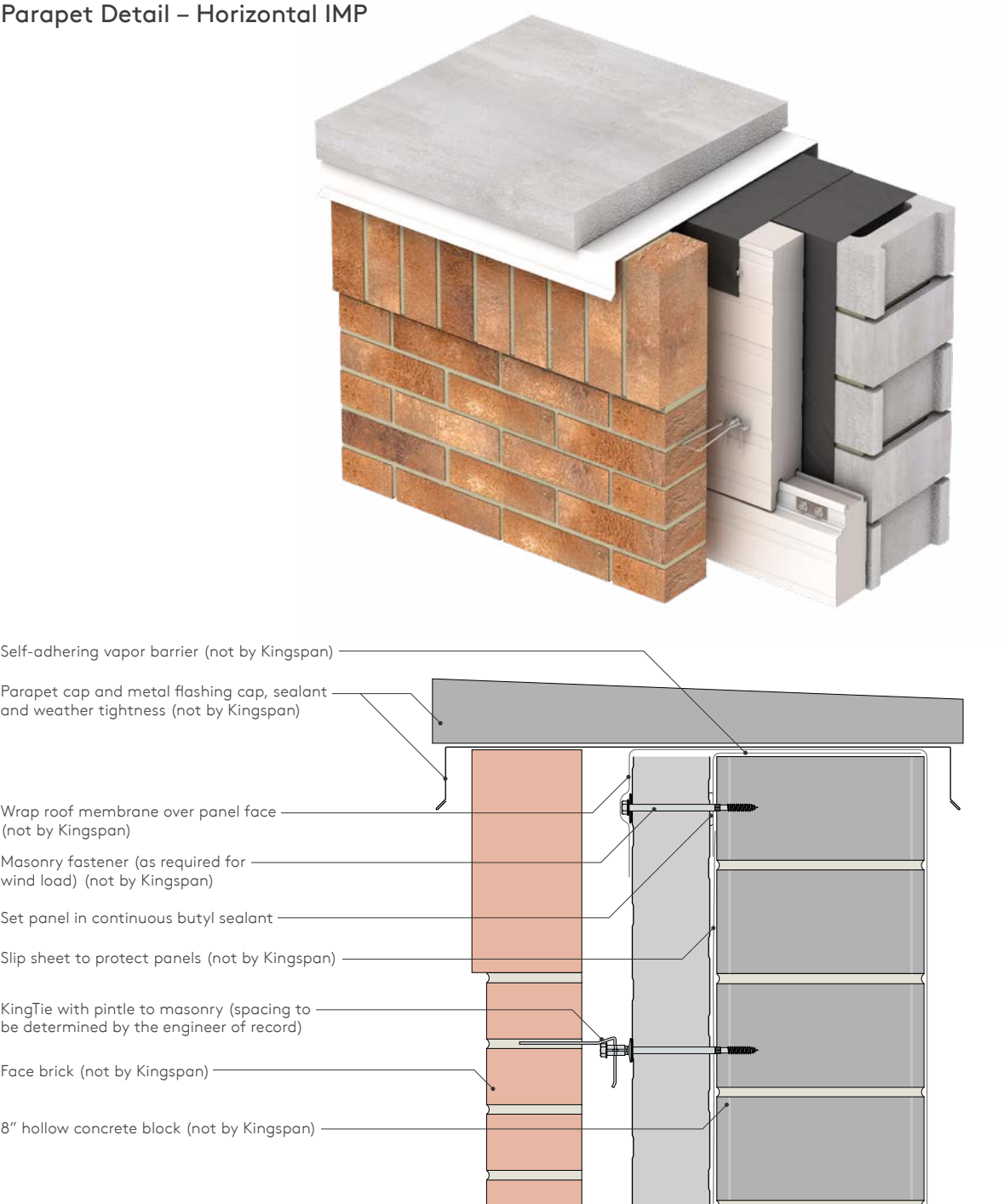


Construction Details

Framed Opening – Horizontal IMP



Parapet Detail – Horizontal IMP



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