

CASE STUDY

ONE CROWN PLACE, LONDON



AMBITIOUS DESIGN ON A MIXED-USE LONDON DEVELOPMENT

A UNIQUE BLEND OF OLD AND NEW ELEMENTS

Located at the intersection of the London Borough of Hackney and the City of London, One Crown Place is a diverse mixed-use development with a unique blend of old and new elements to form an entire urban block.

It comprises two impressive new towers, office and retail spaces, a clubhouse, restaurant, streetside shops and cafes, and a boutique hotel that retains the shell of some Georgian townhouses designed by George Dance the Younger. The wider project encompasses the retrofitting of the 54 Wilson Street office block, originally built in the 1970's.

Special screen-printed glass panels on interior facades respond to the tradition of craft in Hackney and a central courtyard provides a focal point for this ambitious development, as well as providing access to residences, plus external dining space and a recreation area for office workers and the public alike.

Designed by Kohn Pedersen Fox Associates, One Crown Place was constructed by MACE with sustainability as a priority and has achieved a BREEAM Excellent rating, as well as attaining an EPC B energy performance certificate.

Building: One Crown Place
Location: London
Architect: Kohn Pederson Fox Associated
Main Contractor: MACE

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OPTIMAL COMPONENT SYNERGIES

The eye-catching and intricate ground floor facade at One Crown Place is a superb scene-setter for its many upper levels, creating an inviting interface at street level.

It is a symphony of elegant solutions working together in perfect harmony to create that vital first impression as building occupants and the public approach the development.

Kawneer engaged with the design and build teams to create a statement multi-element ground floor facade.

The backbone of each element is the AA®110 curtain wall, working in tandem with a steel support system to efficiently transfer loads, with the following key features:

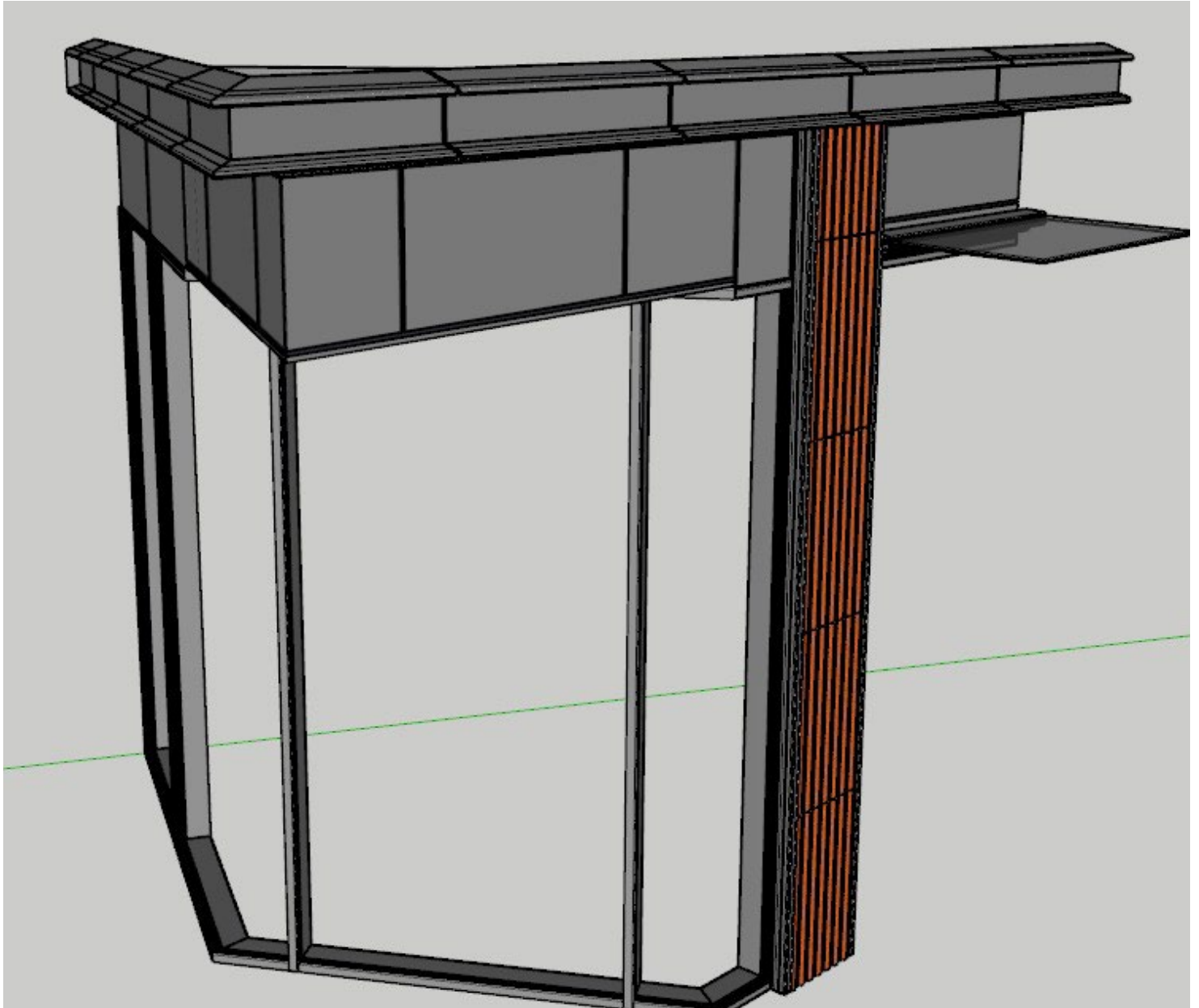
- 6-metre vertical spans supporting 750kg double-glazed panels
- Terracotta rainscreen infills
- Cantilevered glass canopies
- Integrated and hidden gutter system
- Feature band
- Continuous louvres

Precise geometry and uniformity in the mullions allowed the façade to seamlessly interface with the existing townhouses, helping to bridge the gap between Georgian heritage and modern construction.



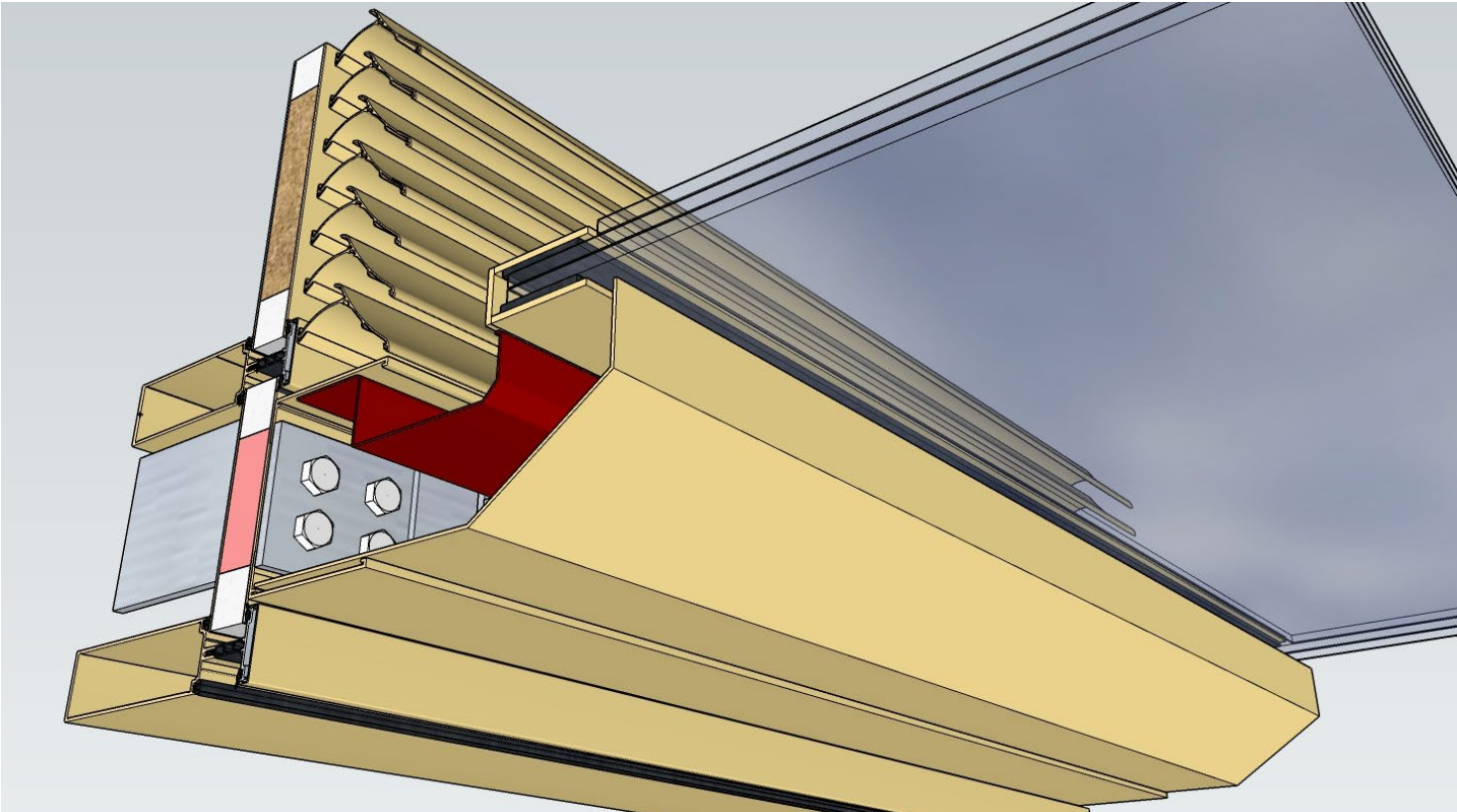
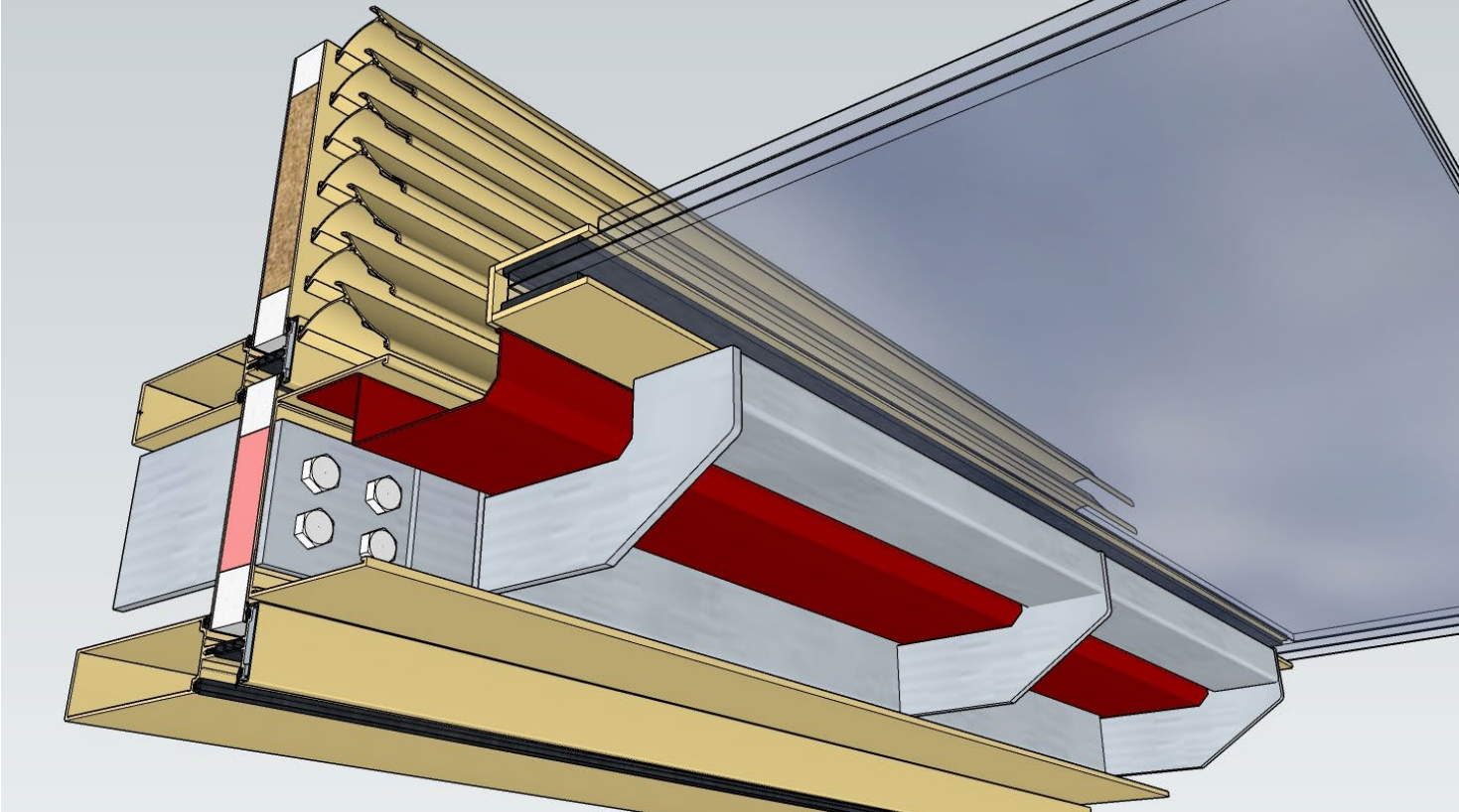
FACETTED CORNER DETAIL

The faceted corner detail demonstrates many elements of the intricate ground floor facade design at One Crown Place, indicating the cantilevered corner AA®110 curtain wall with terracott infill, special extruded caps and a glass canopy.



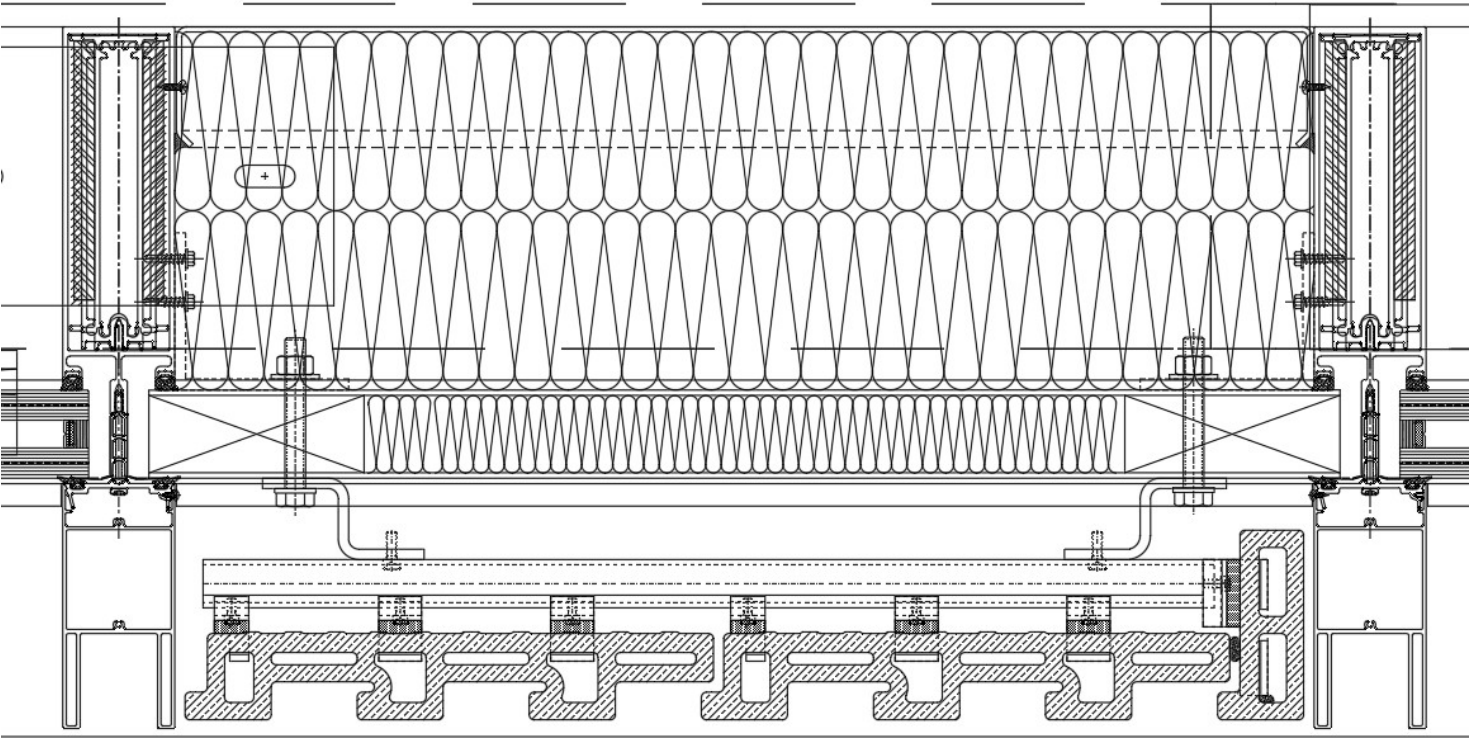
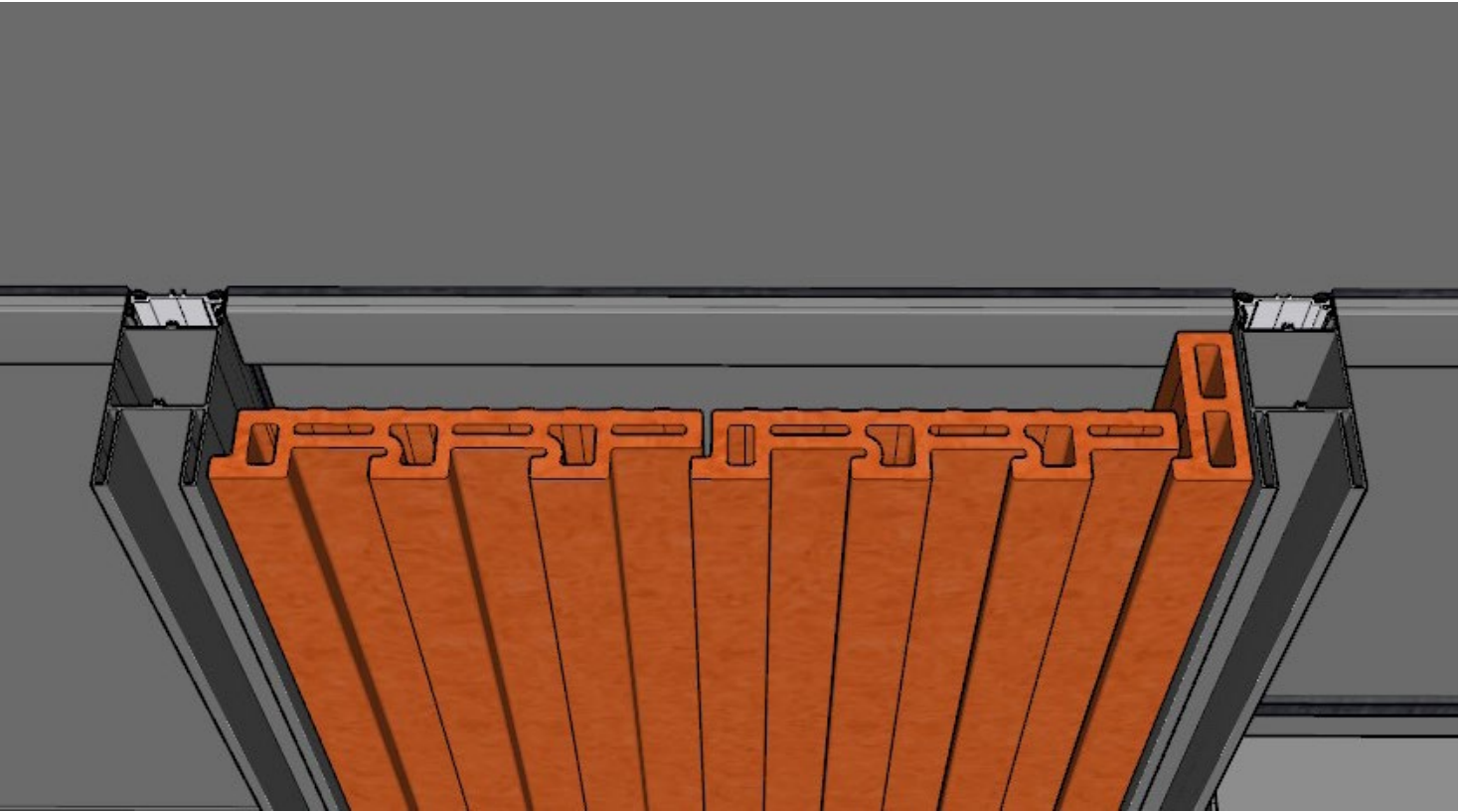
MIDDLE CANOPY DETAIL

This middle canopy detail exemplifies the highly-integrated approach, supporting the attractive cantilevered glass overhang, the hidden gutter system and louvres.



RAINSCREEN INFILLS

Here we can see how the terracotta rainscreen infills have been seamlessly incorporated into the AA® 110 curtain wall design.





Issue Number: 177

A FACADE GREATER THAN THE SUM OF THE PARTS

With unrivalled experience across the globe, Kawneer is able to respond to the ambitions and aspirations of designers, matching that flair by offering practical solutions that ultimately create facades that are far greater than the sum of their components.

Nowhere is this better exemplified than at One Crown Place, where Kawneer has been able to offer seamless integration of its systems into the wider ground floor facade design in a way that not only significantly elevates aesthetics but which also promotes optimal efficiencies in terms of the effective function of the facade, particularly in the areas of maximising natural lighting and rainwater management and, more generally, high levels of protection against the external elements.

Looking for a bespoke solution for your next project? Our Architectural Advisor Team members are ready to assist you, drawing on a wealth of global experience.



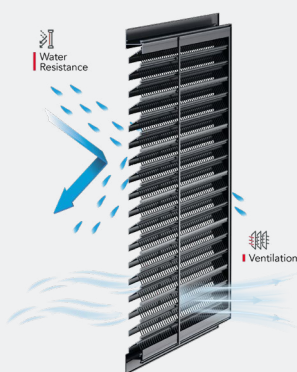
AA®110 65MM CURTAIN WALL SYSTEM

- Concealed zone drainage – each pane acts as an individual self-draining unit or mullion drainage – ventilation and drainage via the mullions
- Range of mullion, transom and face cap options with 65mm sightlines
- A range of thermal break options are available



AA®720 SERIES DOOR SYSTEMS

- Available in two thermal options, standard and HI, to meet your specific thermal needs
- A very versatile door with vent heights up to 3m and a vent weight up to 300kg and multiple hardware options
- A robust medium to heavy duty door, with a number of configurations as standard and compatibility with Kawneer curtainwall and window platforms
- Independently tested to PAS 24 Standard – Enhanced security performance of single and double leaf external doors



K-LOUVAIR VENTILATION SYSTEM*

- Designed to suite with Kawneer window and curtain wall systems.
- Stainless steel mesh 2.3mm x 2.3mm as standard.
- Choice of 3 ventilation capacity options all designed to offer a uniform appearance (small/large punching and false louvres).
- Paint finish to match the Kawneer product range.
- Fibreglass mesh option.
- Perforated louvre blades are resistant to pest ingress.

*Product not used on this project.



Please contact our Architectural Services Team if you have a project you would like to discuss:
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