



architectural
facades
lookbook 2019

AGT WHEAT BREEDING FACILITY, ADELAIDE

PRODUCT: Pic Perf Facade

ARCHITECT: Ashley Halliday Architects

PHOTOGRAPHER: Rob Burnett

The Australian Grain Technologies (AGT) wheat breeding facility provides a state-of-the-art hub for innovative research that will aid Australian farmers for years to come. The site contains a specially designed greenhouse and laboratory alongside growth rooms.

Valmont® Structures Architectural Facade engineers, worked closely with Ashley Halliday Architects to produce a facade for the two main wings. This served to tie the buildings together and present an exciting first impression for anyone approaching the facility, as well as offering important sun shade.

The design was the first time that our Pic Perf panels were customized to feature square aperture holes. The finished result is a streamlined lineal look that reflects the forward-thinking work being done on the site.



AGT WHEAT BREEDING FACILITY, ADELAIDE



MONASH LIBRARY, MELBOURNE

PRODUCT: Tranist F281 Facade Feature

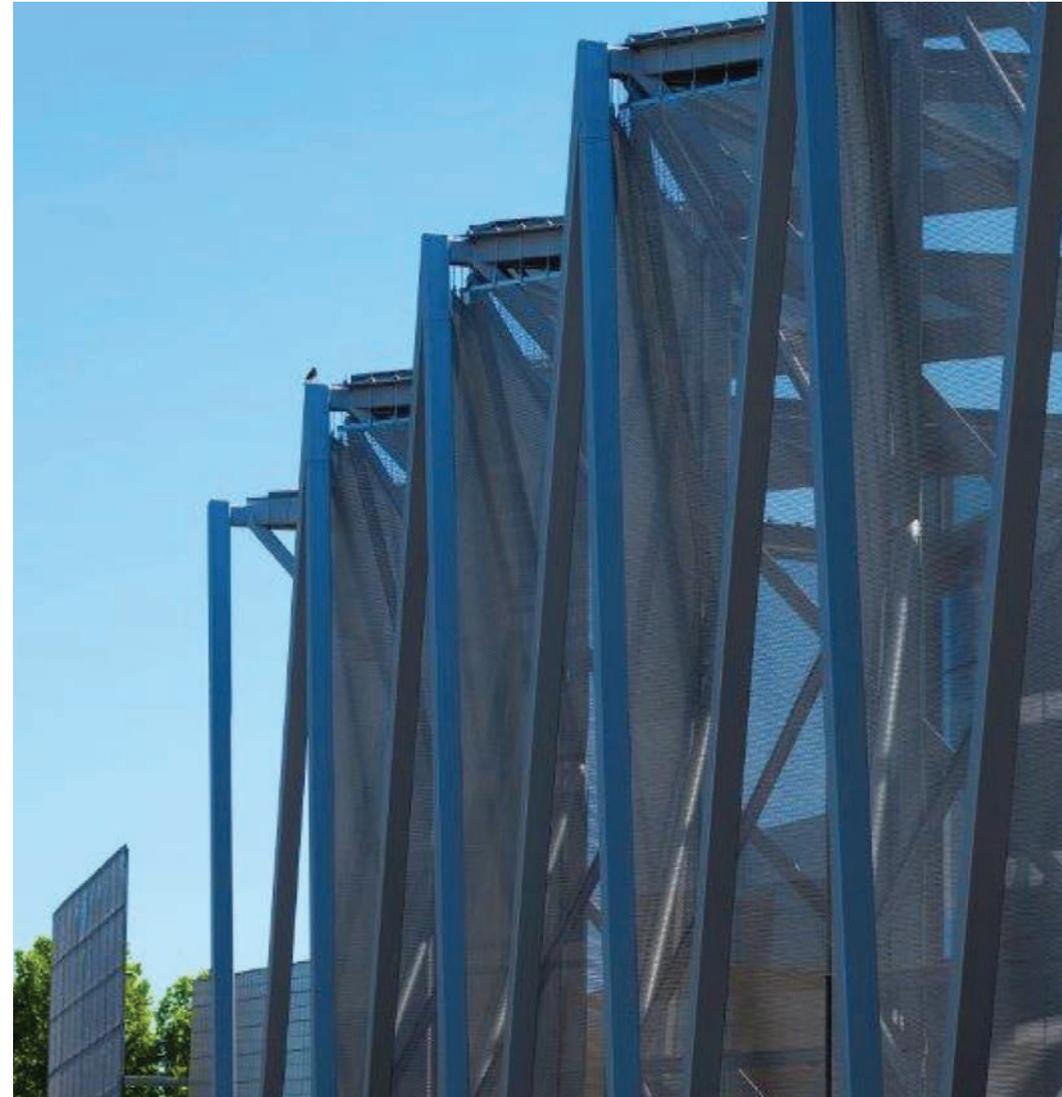
ARCHITECT: Hansen Yuncken

PHOTOGRAPHER: Rob Burnett

The transformed Library on Monash University's Caulfield Campus combines practicality and elegance to produce a truly inspiring learning environment. Not only doubling the seating capacity, the revamped structure provides for the latest in technological innovation to encourage study and participation.

From the glass roof to the transparent entrance, a central focus in the design of this building was maximizing the natural light available to those inside. Architectural Facades' Transit F281 Facade Feature from the Valmont® Structures product line was used in the library's striking facade for exactly this reason. These wire mesh curtains provide the optimum balance between light filtration and privacy, allowing the students to benefit from the daylight outside without feeling overly exposed to passers-by.

The impressive frontage also provides an unmistakable point of entrance for anyone approaching the building, breathing new life into the central area of the Caulfield Campus.



MONASH LIBRARY, MELBOURNE



FLINDERS MEDICAL CENTER PARKING GARAGE, ADELAIDE

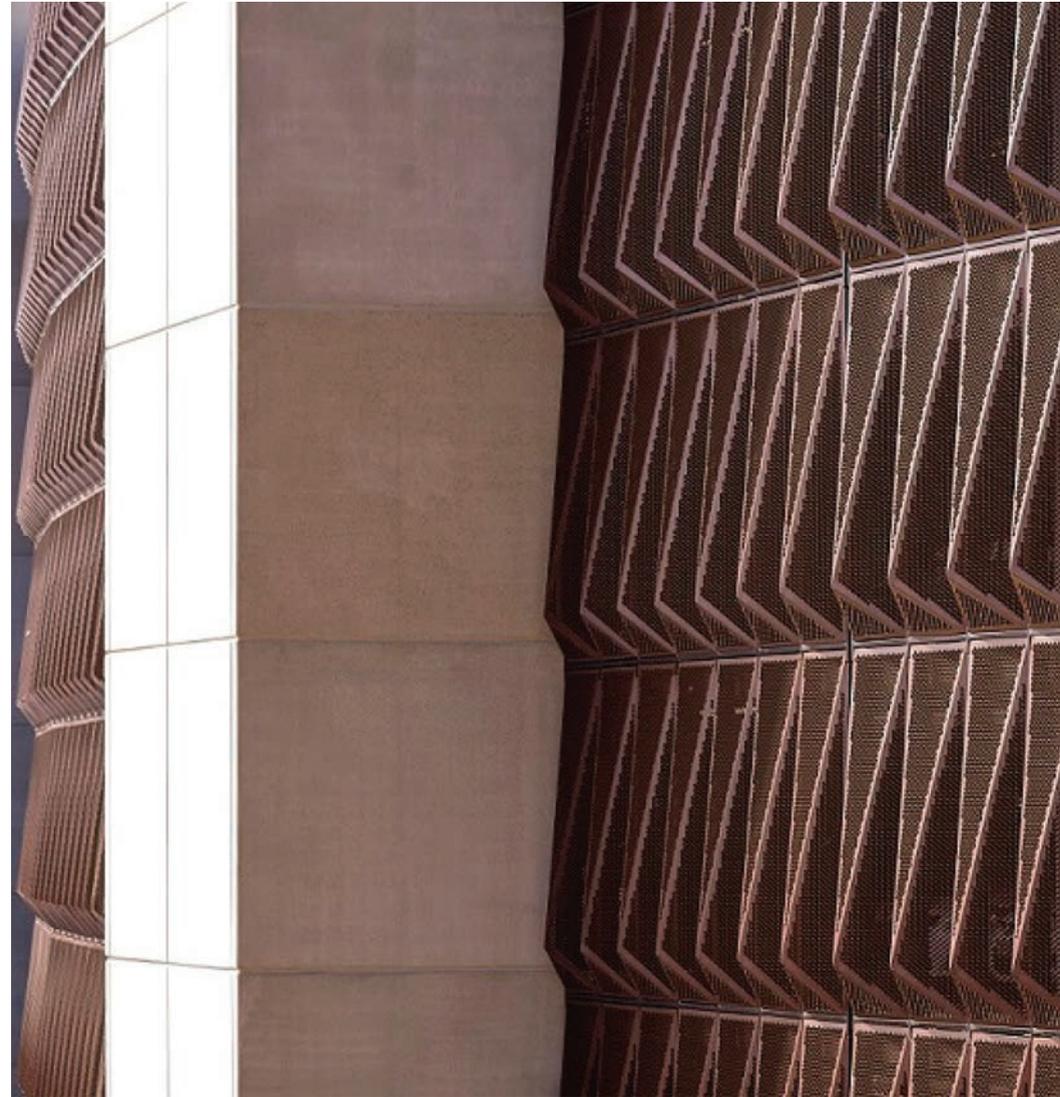
PRODUCT: Pic Perf Directions Facade

ARCHITECT: Cheesman Architects

PHOTOGRAPHER: Rob Burnett

The new parking garage at Flinders Medical Center (FMC) in Adelaide was designed to compliment the facility's increase in services. Adding 1,260 extra parking lot spaces, making a total of 1,820, this expansion means more parking for staff, patients and visitors.

Over 2,500 of Architectural Facades Pic Perf Directions panels from the Valmont® Structures product line were formed and folded in this design to create a specific flanged perforation. The profile performed a dual function of providing protection against light spill, while also creating an effective and reliable visual barrier. This was important to provide vital privacy for patients visiting the facility by preventing a direct line of sight between the parking garage and medical center areas.



FRANKLIN STREET PARKING GARAGE, ADELAIDE

PRODUCT: Slotted Perforated Facade

ARCHITECT: Hames Sharley

PHOTOGRAPHER: Rob Burnett

The Franklin Street parking garage in Adelaide's central business district provides easy access to many of the city's amenities, especially the Adelaide Central Market and Rundle Mall.

The designers wanted to use perforated metal to create a horizontal, linear look and give the parking garage's facade a smart and modern aesthetic. To achieve this Valmont® Structures Architectural Facade engineers adapted the slotted perforated facade to include perforated sections bordered by unperforated margins. The result was a smooth flow between panels, allowing the eye to easily travel from left to right when standing in front of the parking garage.



MONASH UNIVERSITY TEACHING AND LEARNING CENTER, MELBOURNE

PRODUCT: Perforated Metal Facade

ARCHITECT: John Wardle Architects

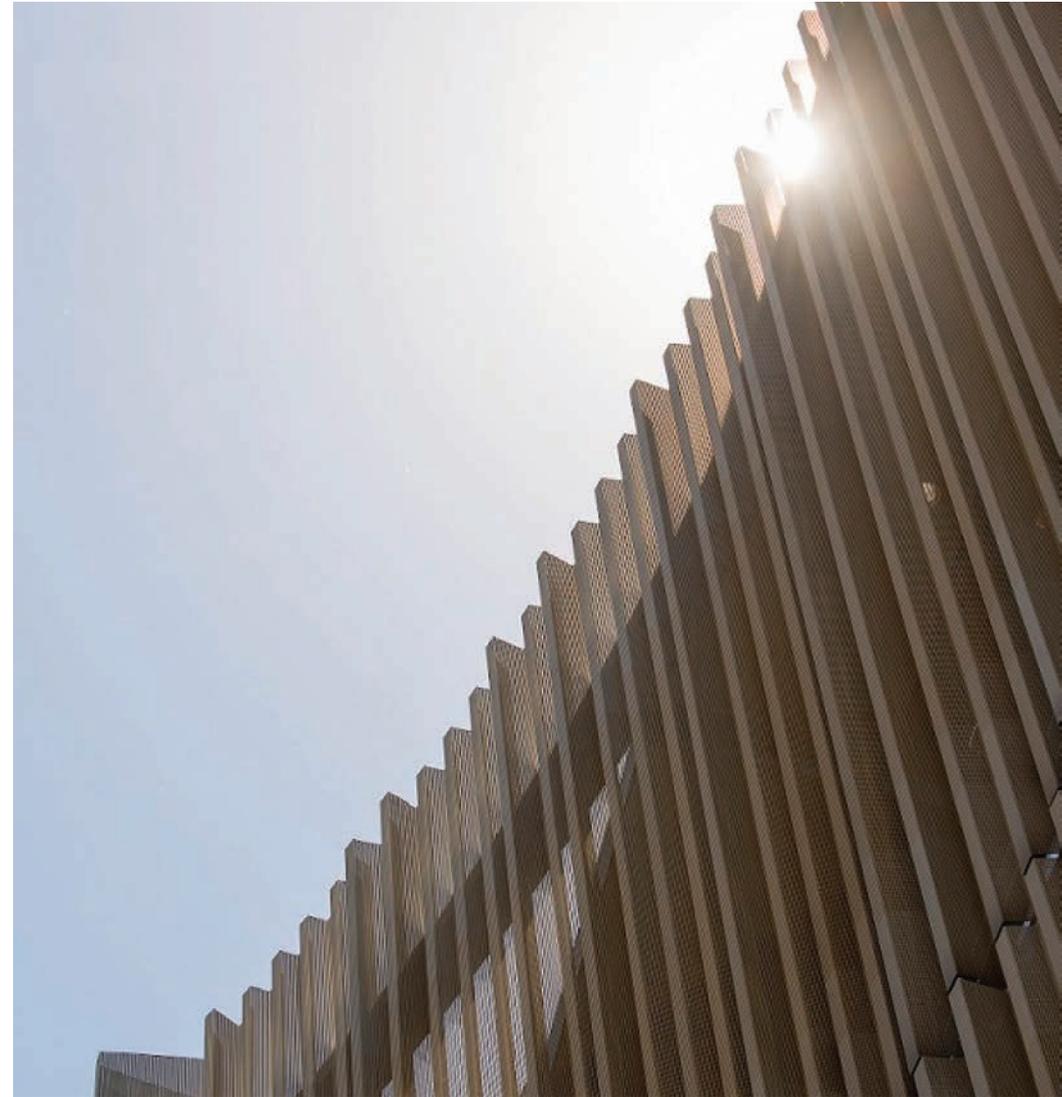
PHOTOGRAPHER: Rob Burnett

The Monash 14-floor Teaching and Learning Center on the University's Clayton Campus is another impressive addition to the establishment's portfolio.

From the outset, sustainability was a priority in this project, and the Architectural Facades' perforated zinc sheets from the Valmont® Structures product line was the perfect answer. The combination of zinc's corrosion resistance and recyclability meant the university had no qualms in using Architectural Facades products to span the entire 36 foot facade.

The Valmont Structures Architectural Facades' manufacturing team came up with a solution to reduce the amount of steel-work needed in the design, producing sheets so large that only two were required to cover the full height of the facade. By fixing each sheet only twice, at the top and bottom, the fabricator was able to reduce the construction work to the minimum required.

However, there's more to the build than pure practicality. The products used in the facade make for a truly awe-inspiring sight. The sheets on the north, west and east sides of the building include a variety of three perforation patterns designed to give students a clear view of the world while they study.



MONASH UNIVERSITY TEACHING AND
LEARNING CENTER, MELBOURNE



PWC SYDNEY, SYDNEY

PRODUCT: Planar 441 Ceiling Panels

ARCHITECT: Futurespace

PHOTOGRAPHER: Rob Burnett

When Futurespace Interior Designers and Architects took on the task of modernizing *PwC*'s Customer Experience Center in Barangaroo, Sydney; it was clear that this was a project all about breaking the mold. The ambitious and unique design was intended to refresh the way the business went about its operations, and move away from the archetypal consultancy building. Incorporating a variety of work spaces, the layout was intended to encourage a collaborative and flexible workflow in line with the demands of *PwC*'s customer base.

Tying this interesting facility together is the Architectural Facades' Planar 441 ceiling panels from the Valmont® Structures product line. The woven wire mesh product was used to form a ribbon that runs along the ceiling, making an instant impact on visitors exiting the lift. Teaming up with the architects at Futurespace, and specialist contractors from Civardi Furniture, we supplied mesh that provided the desired transparent gold ceiling without sacrificing light, sound or aesthetic quality.

Perhaps most notable is the moment where the wire curves downwards to mirror the gradient of the foyer window. This classic and elegant point of entry provides a professional welcome to all clients that witness it.



PWC SYDNEY, SYDNEY



MIRVAC RIVERSIDE QUAY, MELBOURNE

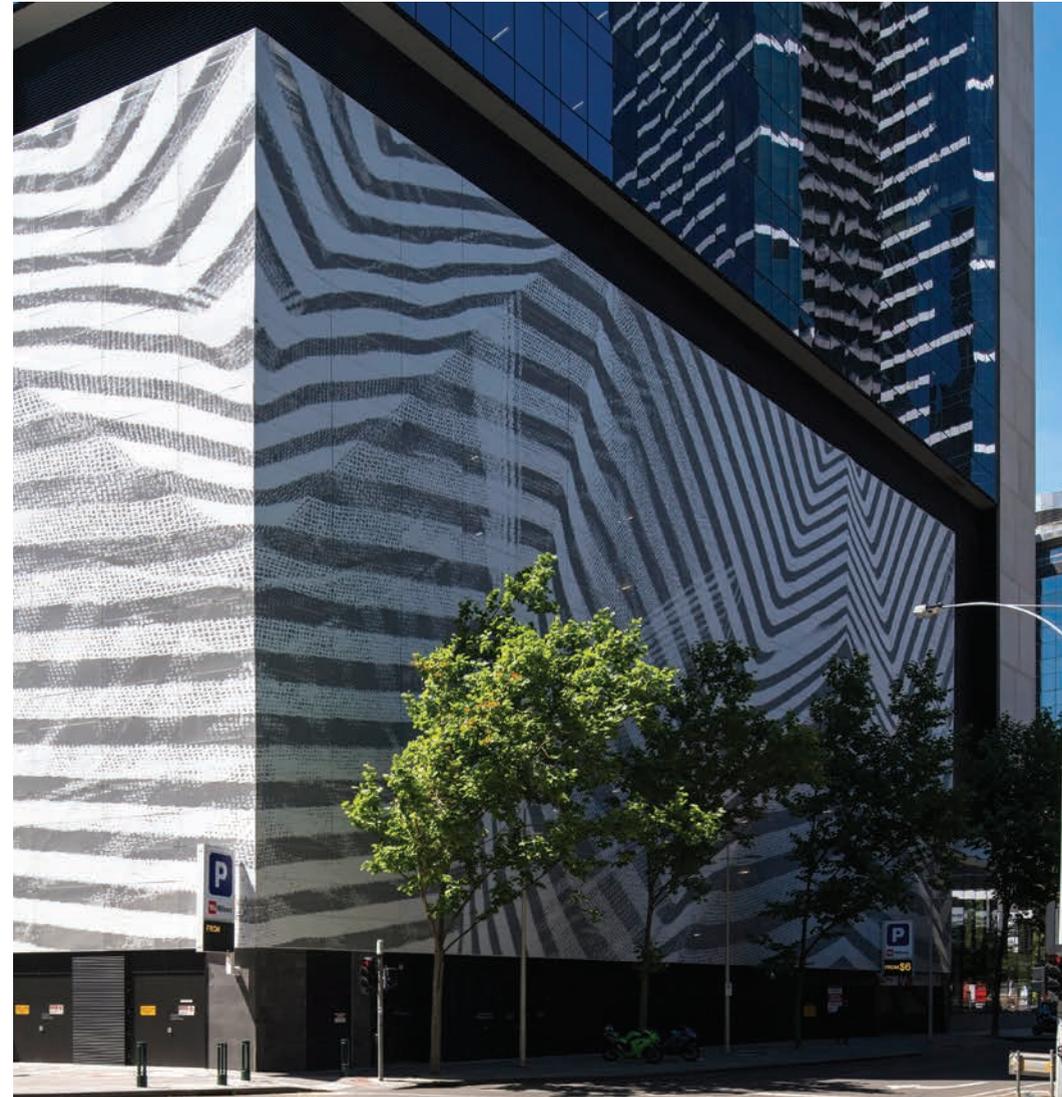
PRODUCT: Pic Perf and Aero Perforated Metal Facade

ARCHITECT: Fender Katsalidis

PHOTOGRAPHER: Rob Burnett

Situated in the prime location of Melbourne's Southbank, Mirvac Riverside Quay is a bold architectural statement that incorporates the latest in sustainability and design innovation. Finished two months ahead of schedule, the 12-story office space is targeting a five-star Green Star As-Built rating, and has already achieved a five-star *NABERS* Energy Rating. The building houses professional services giant *PwC*; as well as offices belonging to the architects who designed it, Fender Katsalidis.

To create the eye-catching frontage for Mirvac Riverside Quay, two of the Architectural Facades' perforated metal options from the Valmont® Structures product line were used in tandem. Alongside our popular Pic Perf panels this build adopted the Aero 400 range, which is perfect for use in decorative facades. The building's north-facing aspect means the powder coated aluminium panels receive maximum sunlight. The combination of colors and perforations produce a visually captivating exterior for this futuristic design.



UNIVERSITY OF SOUTH AUSTRALIA HEALTH INNOVATION BUILDING, ADELAIDE

PRODUCT: Expanded Metal Sun 3433A (*Sunscreen Panels*)

ARCHITECT: Swanbury Penglase and BVN

PHOTOGRAPHER: Rob Burnett

The University of South Australia's new Health Innovation Building is home to the biggest hub for cancer research in the state. Spread across 14 floors, the building is one of the most complicated in the establishment's history, and is designed to foster collaboration between researchers and contain state-of-the-art equipment.

Perhaps most striking are the windows. From the ground to the roof, the building's facade is lined with glass, allowing great natural lighting for those working within. To prevent glare the design incorporated Architectural Facades' Expanded Metal Sun 3433A sunscreen panels from the Valmont® Structures product line. By fulfilling their practical function, these features contributed towards the project goal of achieving a *LEED* gold rating for sustainable design by optimizing the facade for solar shading.



SA POWER SUBSTATION, ADELAIDE

PRODUCT: Pic Perf Facade

ARCHITECT: Tectvs

PHOTOGRAPHER: Rob Burnett

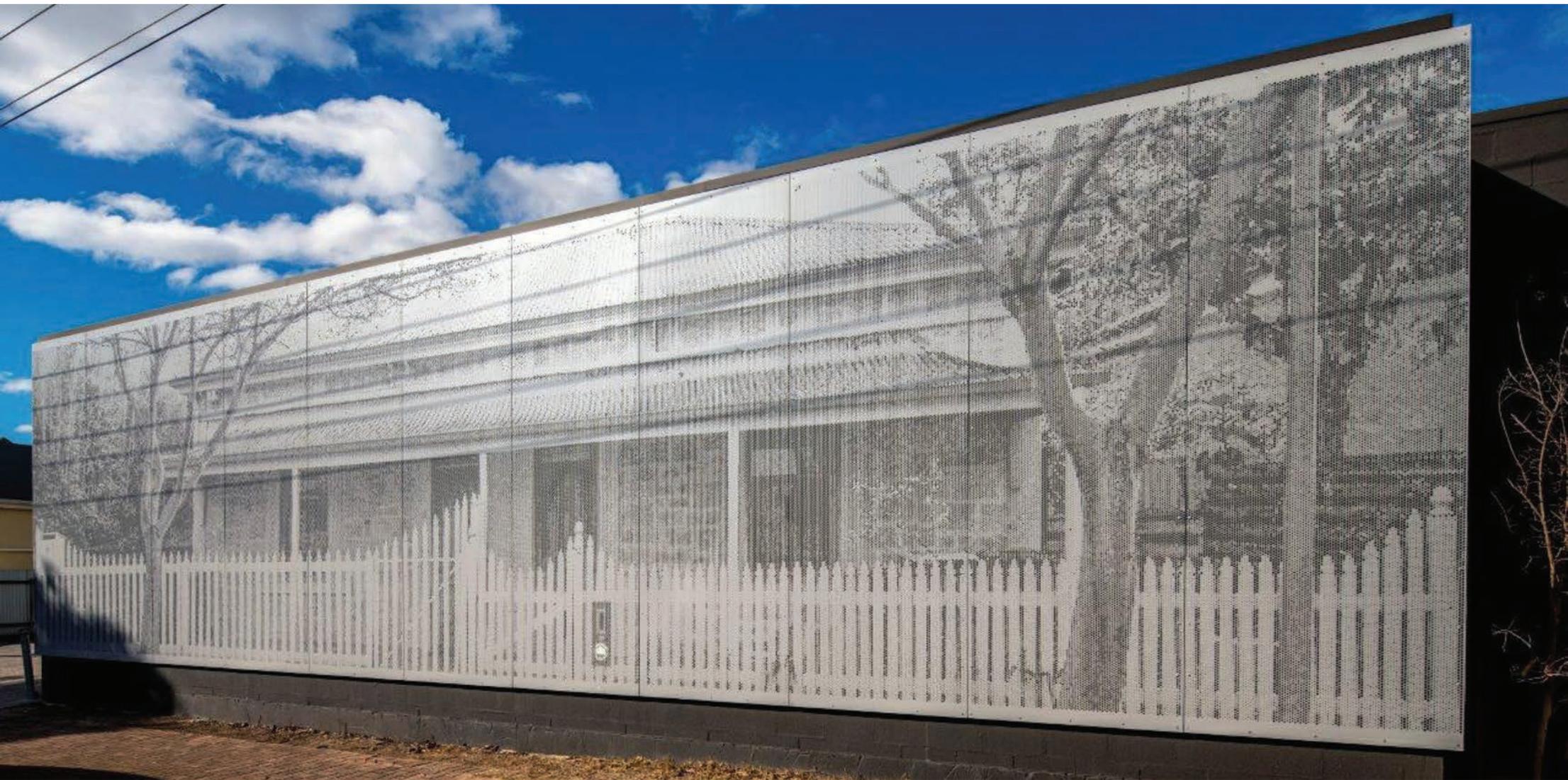
Located in the inner residential suburb of Kent Town, the SA Power Substation doesn't look like your average energy facility.

The area is typified by traditional Victorian-era properties, with few commercial or industrial premises to be found. Rather than create an eyesore in this otherwise quiet and charming area, architects at Tectvs wanted a design that would blend seamlessly into its surroundings. The Architectural Facades' Pic Perf Facade from the Valmont® Structures product line provided the solution.

Pic Perf allows a specific image or pattern to be punched into the metal sheet, producing a truly customized creation. In this case, an illustration was generated to mirror the classic appearance of the houses in the area, the perfect marriage of aesthetics and functionality.



SA POWER SUBSTATION, ADELAIDE



YOUNG STREET PARKING GARAGE, ADELAIDE

PRODUCT: Pic Perf Facade

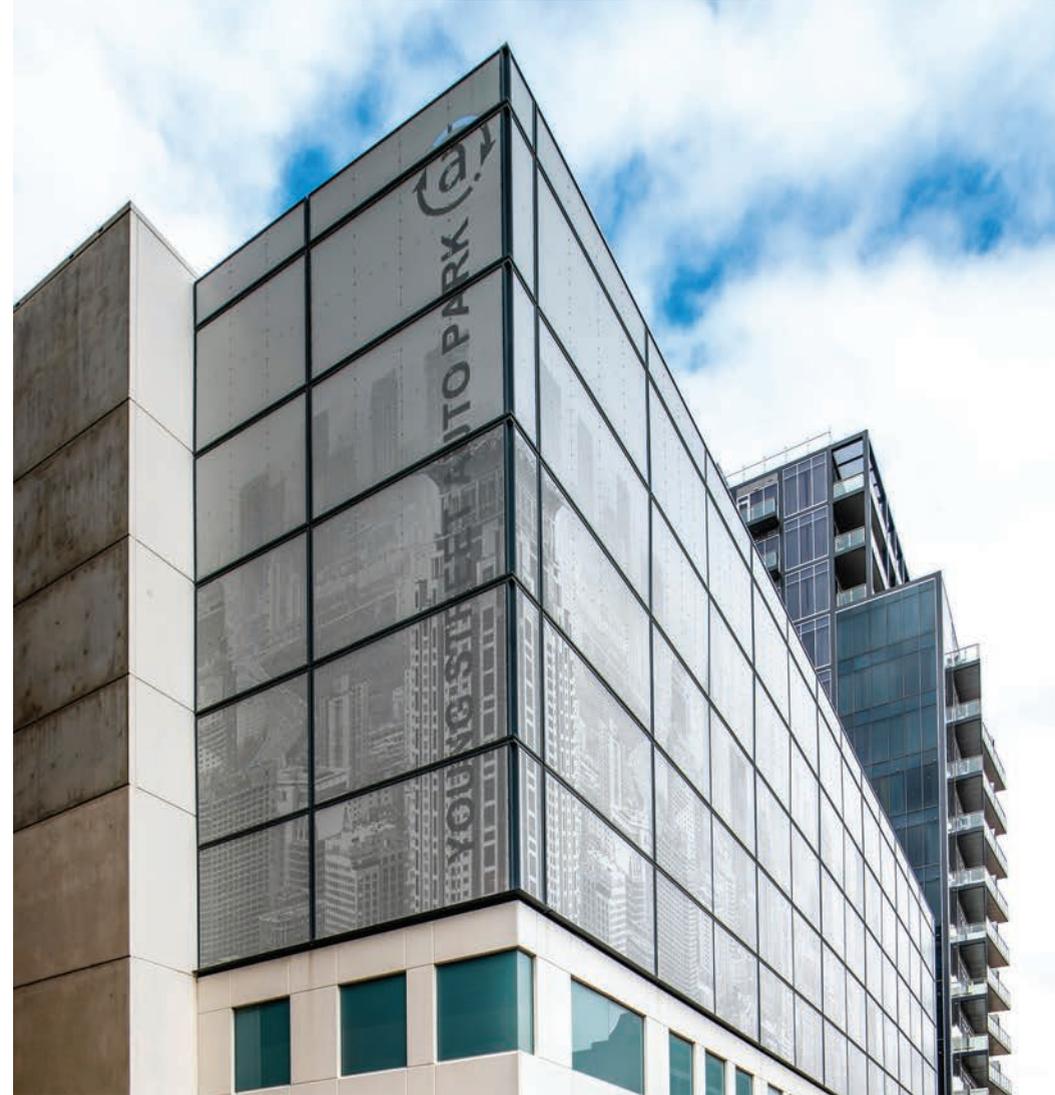
ARCHITECT: Cheesman Architects

PHOTOGRAPHER: Rob Burnett

Situated in the heart of Adelaide's central business district, the Young Street Parking Garage is a handy drop-off point for Gouger Street, Chinatown and much of the inner city.

Rather than producing just another central Adelaide parking garage, Cheesman Architects opted to take advantage of Architectural Facades' Pic Perf technology from the Valmont® Structures product line to produce something more interesting. The facade features a beautiful image of the Shanghai skyline punched into the 525 panels used for the design.

However, the effect wasn't purely aesthetic. The perforations allow for air movement, providing excellent ventilation within the parking garage—a real asset during the intense South Australian summer.



YOUNG STREET PARKING GARAGE, ADELAIDE





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