

LOOKBOOK 2020



A **valmont**  COMPANY



Project: *Cradle Mountain Visitors Centre Façade*

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CRADLE MOUNTAIN VISITORS CENTRE FAÇADE

CRADLE MOUNTAIN

 **ARCHITECT:** CUMULUS STUDIO

 **PRODUCT:** CUSTOM MADE PERFORATED METAL

Cradle Mountain Visitors Centre Façade serves as a space for locals and visitors alike to take a break from the busy world and gaze upon the edge of Dove Lake and its natural surroundings.

Replacing the existing tourist attraction, the master plan of the new and improved centre focuses purely on the visitor experience, giving Locker an opportunity to create a geometric masterpiece that mimics the distinctive geological characteristics of Cradle Mountain.

To create this mountain makeup, we worked with Cumulus Studio to supply a large portion of the façade with our custom-made perforated metal.

Locker's perforated metal sheets are a large staple in our architectural offerings, and they made sense for the Cradle Mountain Visitors Centre Façade based on the creation and its modern approach to design. This product has the ability to make a statement in style while also withstanding severe weather conditions to ensure safety and security for the rest of the façade.

Developing a building that not only captured and created the same essence as Cradle Mountain, but also made the visual of the original peaks and cliffs clearer for visitors, was essential. This satisfied both the functional and aesthetic elements of the architecture.



ROOTY HILL CAR PARK FACADE

ROOTY HILL

 **ARCHITECT:** DESIGNINC ARCHITECTS

 **PRODUCT:** SHEER 2800 PERFORATED

As part of Sydney's Transport Access program upgrades, DesingInc Architects designed a contemporary upgrade to the Rooty Hill Train station which included a new 740 space multi-level car park. Locker worked with Arenco builders to design, manufacture and install all car park and train station cladding.

DesignInc required a perforated pattern to give the ideal balance of open area, panel strength and great organic aesthetic. To help convey the tree like appearance of the perforated panels, a second layer of contrasting coloured panels were used. The panels were fastened to the base panel with customized Locker spacers and fittings. All car park panels used the Locker Sheer 2800 hexagonal perforated pattern with 62% open area, perfect for car park applications which require large free air movement for ventilation and minimizing of hydraulic plant and equipment (fire sprinklers).

Locker's in house design team fully 3D modeled each panel and support connection of the project. Designs to the station were based on and coordinated with the projects 3D steelwork model. On the car park Locker was responsible for all support structure 'from' car park structural slabs, so the use of Locker's proprietary Aurora System with integrated crash barrier and support rail enabled efficient set out and bracket anchoring, which in turn enabled streamlined installation of all secondary structure and finished panels.



NZ SYLVIA PARK CARPARK FAÇADE

SYLVIA PARK



 **ARCHITECT:** BUCHAN GROUP

 **PRODUCT:** CUSTOM MADE ALUMINIUM PERFORATED PANELS

As one of the premier shopping centres in New Zealand, Sylvia Park houses over 200 retail stores, a grocery store and cinema, as well as housing a major business park. With so many different attractions to offer, the need to accommodate guests for parking is a necessity.

The NZ Sylvia Park Carpark Façade is a five-storey structure with more than 900 parking spaces. It's designed with state-of-the-art technology and spaciousness to ensure safe traffic management and a convenient shopping experience for all visitors.

Locker worked with the Buchan Group to provide perforated aluminum panels to design the exterior of the carpark. The colour scheme is blue and green, allowing the carpark to stand out during the day time and attract passers-by. In the nighttime, lighting illuminates the panels, also making the building more visible to potential shoppers.

Our panels not only look aesthetically pleasing, but also ensure proper natural lighting, air flow and temperature control to keep guests comfortable and cars in good shape. The unique shape, customizable folds and tailor-made perforated panels allowed for the Buchan Group to perfect the design based on the exact build specifications.

Additionally, Locker's aluminum material is built to protect against corrosion, extending the durability of the look of the carpark façade.

GOSFORD HEALTH AND WELLBEING CENTRE PRECINCT CARPARK FAÇADE

GOSFORD

 **ARCHITECT:** FITZPATRICK AND PARTNERS

 **PRODUCT:** CUSTOM PERFORATED METAL PANELS

Parked adjacent to Gosford Hospital in Sydney, this 6-level, 803 space carpark located on a 11,748m² site with a steep 23% gradient provides covered, convenient access from the HWP up to the main hospital entrance for patients and family members. The large space was created to provide for the current and future demand of hospital goers and staff, as well as government administrators.

The new entry hub and pedestrian plaza make up the core components of the new facility. Vehicle drop-off and car park opportunities make it easy to come and go; a convenience factor that hospital staff, patients and visitors depend on during stays and visitation hours.

Our custom made perforated metal panels were designed with style and functionality in mind. The geometric shape, as well as the bright green tone of the plates, create an eye-catching entryway that is easy for hospital patients and visitors to locate in times of crisis. The versatility in design options of the hexagonal metal panels made it simple and seamless to create a stylish, yet functional exterior for the hospital carpark façade.

The perforated metal panels are also sustainable. They allow for proper airflow and manage sunlight, controlling the temperature to keep cars cool and safe.



NEPEAN HOSPITAL CARPARK FAÇADE PENRITH



 **ARCHITECT:** FITZPATRICK AND PARTNERS

 **PRODUCT:** SHEER 2800 - PERFORATED METAL

With more than 600 spaces to offer patients, visitors and staff at Nepean Hospital, this multi-storey car park façade has become a positively recognisable building in Kingswood. The redevelopment plan was pushed by NSW Health Infrastructure in an effort to re-evaluate current park options, parking demands, traffic impact and management, and car park design.

Utilising our Sheer 2800 perforated metal, we designed both an appealing and air-flow-conscious car park. This material offers an opportunity to revamp an existing infrastructure without rebuilding from the ground-up. It also allows for proper ventilation and lets enough sunlight in without worrying about its impact on car condition. The perforations of the metal allow for airflow while creating a shield or blockade for potential weather conditions.

The hexagonal perforation and versatility of the material allowed Locker to create a one-of-a-kind design for the carpark façade. Locker provided a specific size, shape and pattern of perforated metal tailored to the specifications and needs of Fitzpatrick and Partners to create the ideal three-dimensional profile for the carpark.

Aesthetically, the perforated metal sheets complete a warm-toned design for a subtle yet satisfying modern style. Large entry and exit signs scale the building, allowing for an easy-to-navigate arrival and departure.

REID PARK FOOTBRIDGE

TOWNSVILLE



✍ **ARCHITECT:** TIPPETT SCHROCK ARCHITECTS

🏠 **PRODUCT:** CUSTOM TRANSIT WEAVE

Tippett Schrock Architects (TSA) designed an appealing and contemporary footbridge to link the new stadium to Reid Park and the CBD. Using organic multi-dimensional geometry with a strong focus on the material selection and its behavior with light, TSA found that Locker's stainless steel Transit wire mesh was a great selection to achieve a result closely aligned with original design renders.

A custom weave Transit wire mesh was developed for this project to help ensure structural performance which satisfying anti-throw aperture requirements. A fully electro-polished finish ensures the stainless steel will stand the test of time in the harsh coastal environment. The bridge is fully enclosed using tensioned Transit mesh also as a roof and anti-climb barrier. The design also incorporated tapered Locker perforated aluminum panels to help the experience for pedestrians as they pass through the mid-point of the bridge, plus enabling a smaller aperture requirement for anti-throw over the actual train corridor.

Whenever designing or building structures in or over rail corridors there are many factors to consider. Particularly relating to compliance of rail standards for public safety and around timely planning and sage installation over active rail tracks during construction. The Reid Park pedestrian bridge on the North Queensland Stadium site in Townsville is seen as a great accomplishment for Locker, Watpac and all design consultants involved, achieving a safe and compliant resolution of a vastly bespoke design

BOWDEN STREET - ALEXANDRIA FAÇADE

ALEXANDRIA

 ARCHITECT: BVN

 PRODUCT: ATMOSPHERE

BVN Architecture named this project Mesh, a term to describe their take on “a next-generation living building.” It’s a long, 134m² commercial space that faces the street, designed specifically to house small offices and retail showrooms. Glass-walled lifts and stairwells are used to connect the three storeys of space. The intention is to encourage togetherness from one level to the next.

The middle floor creates a campus workspace, connecting each small zone with an open floor plan. On the third floor, architects developed a 6.2 metre-high ceiling to provide a warehouse feel that complements the urban and edgy vibe without losing the sleek, modern style of the building.

Locker contributed to BVN’s project with our Atmosphere panels. This light-weight product brings together the contemporary vibe to the exterior of the building and is quicker, easier, lighter to install as it is pre-assembled on steel cables.

The panels are supported on tension cables, providing a flexible connection to the structure. This design uses panel-to-cable clamps to isolate the primary structure as well. Panels for this project were delivered directly to the site by Locker ready for fast installation, allowing for panels to cover the entire building face or be spread sporadically.



SYDNEY UNIVERSITY REGIMENT BUILDING FAÇADE

SYDNEY



 **ARCHITECT:** NETTLETON TRIBE

 **PRODUCT:** PIC PERF

Known as a gateway building for students at the University of Sydney, the Regiment Building provides affordable living to more than 600 students. To create a space that ensures a deep cultural narrative and provides a stronger sense of community, Nettleton Tribe worked with Locker to rethink the architectural exterior approach of the design without dismantling the entire building.

Locker worked closely with Nettleton Tribe to create a space built for students: A place to gather and generate new ideas. From student housing to common spaces, the Regiment Building serves as a place to inspire, motivate, create, share, learn and teach. Even the interior colour palettes were chosen to embody a space of wellness and the feeling of home for students.

Locker's Pic Perf material is a unique technology — allowing designers to create vivid imagery into the metal. The images are created by punching hundreds — or thousands — of holes into metal sheets.

We used Pic Perf to design the wrapped interpretive artwork screen facade and the signature artwork that takes this building to the next level. This created an exceptionally clear, abstract work of art for the client that's also durable, effective and strong. Ultimately, Locker helped to create an experience for students and passersby that can't go unnoticed.

CREMORNE STREET OFFICES

CREMORNE

 ARCHITECT: FIELDWORK

 PRODUCT: SUN 919A

Set on a historical site, the new modern Cremorne Street Offices create a warm contrast between the heritage of the base and its existing brickwork with the rectangular volume and Sun 919A panels.

Our metal screens were designed to change throughout the day, creating a catalytic design and temporal experience for urban workspaces. Fieldwork partnered with Locker to create a modern space for office workers while keeping the environment in mind and preserving the historical descent of the original building.

All panels can open and shut, but only half of them are mechanically operated by actuators. The other half can be manually opened for cleaning purposes.

The Sun919A clear anodised aluminium, coated with black powder framing, can gradually open and shut to follow the sun. This makes workspaces more functional while reducing energy consumption.



DOHERTYS ROAD BIKE AND PEDESTRIAN BRIDGE

LAVERTON NORTH



 **ARCHITECT:** ROAD WORKS VICTORIA

 **PRODUCT:** PERFORATED PANELS R12749 ALUMINIUM AND R25448 ALUMINIUM

Dohertys Road Bike and Pedestrian Bridge spans 140 metres and elevates crossing for walkers and cyclists alike to connect to local path networks, increasing their safety and improving the overall look of the trail.

Locker worked with Road Works Victoria to design an attractive and sustainable bridge using our perforated aluminum panels. This allowed us to create a coloured, contemporary steel and concrete look that will complement the surrounding landscape.

The metal sheets are designed with small perforations to not only create a beautiful architectural design, but also maximise the airflow and enhance air quality. This enables visitors of the bike and pedestrian bridge to soak up the sun and enjoy a walk or bike ride without bothersome gusts of wind.

The opportunity to create a tailor-made design for Road Works Victoria and the client allowed us to design a dimensional profile that met proper wants and specifications while thinking about the needs of the common pedestrian who's walking or riding a bike over the bridge. We used a specific hole size and shape to meet these unique requirements.

Because the aluminum perforated metal sheets are built to protect against corrosion, visitors can rest assured that the bridge is designed with durability in mind.

WERRIBEE POLICE STATION

WERRIBEE

 **ARCHITECT:** ARCHITECTUS

 **PRODUCT:** CHAMPAGNE PERFORATED METAL

The new Werribee Police Station is over 6000 m2 and is currently situated west of the current station, which will soon be demolished to make space for the new building. The building brief excuses the traditional police only service, style and operation model, acknowledging that the new complex is designed to serve as the new face of justice in Victoria, with high visibility and accessibility to the community members to develop a stronger sense of safety and togetherness.

Architectus worked with Locker to develop a functional layout and robust design that balances the operational requirements and the contemporary flow of the new police station. Using sun shading and façade aesthetics, Locker performed design development and full 3D-modelling of unique flowing patterns across the glazed façade. Hundreds of unique panels and nearly 400 unique fixing brackets support the organic form of the building.



MACQUARIE CORPORATE CENTRE INTERNAL ROOM DIVIDER

MACQUARIE PARK



 **BUILDER:** BRIGHTWOOD PROPERTY SERVICES

 **PRODUCT:** TRANSIT 210 T304 STAINLESS STEEL WIRE CURTAIN

As the largest suburban shopping centre in Sydney with over 390 specialty stores and services, this new 12-storey office building tower is designed and maintained mostly for commercial purposes. One floor of the office building includes an internal gym for employees to get a fitness session in after a long workday. To better segment the room and close in most of the gym equipment, Locker worked with Brightwood Property Services to design an internal room divider out of our Transit 210 T304 stainless steel wire curtain.

Transit mesh is one of Locker's most popular products. It's designed with sophistication in mind, with an opportunity to add texture and character to any room. In this case, the wire mesh curtain provides a layer of privacy while also providing the feel of an open floor plan.

The transit mesh is designed with versatility in mind; when the product is tensioned, the length of the curtain is limitless. Our transit stainless steel wire curtains gave the gym of the Macquarie Corporate Centre an opportunity to incorporate a unique architectural design while keeping airflow and natural sunlight in mind.

The open flow privacy, as well as the modern visual design gave the Macquarie Corporate Centre an architectural edge to its public gathering space.

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