



engineers - complex architectural structures - steel fabricators





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Australia's leading
architectural steel fabrication company



EXPERIENCE, QUALITY, EXCELLENCE

GFab was established in 1968. Over the past 40 years we have continued to grow through delivering exceptional products and services to our customers. Specialisation over 40 years has resulted in fundamental industry insights and experience, an ability to resolve even the toughest structural issues and above all, a drive to continue on the path of excellence.

Over the years we have undertaken a variety of major projects in the engineering and construction industry throughout Australia. In that time we have developed a reputation for delivering some of the most complex architectural projects, completed successfully and on time.

GFab has won awards from the Australian Institute of Steel Construction for the Spencer St Footbridge and the Robert Clarke Horticultural Centre in Ballarat, as

well as various other commendations. These types of projects are both extremely complex with a high degree of architectural workmanship and finish.

GFab has the necessary experience, expertise and resources to successfully undertake a full range of engineering and construction works. Importantly we have our own on-site rigging crews with advanced equipment. This crew will ensure your project is erected on time with the highest quality, precision and accuracy.

GFab also has an economy of size which allows us to provide not only extremely competitive pricing but also a more personal approach. Dedicated customer service ensures a rapid response to meet your needs – projects are completed efficiently and effectively.

Save time and money on your projects – ***no matter how complex*** – with brilliant results.

Resolving complex structures

No project is too big or too complex. Over 40 years GFab has grown the skill-set of staff, nurtured their development and ensured their safety. As a consequence projects handled by our teams run smoothly, efficiently and on time.

1

Principal:

Victorian State Government

Builder:

Leightons Contractors

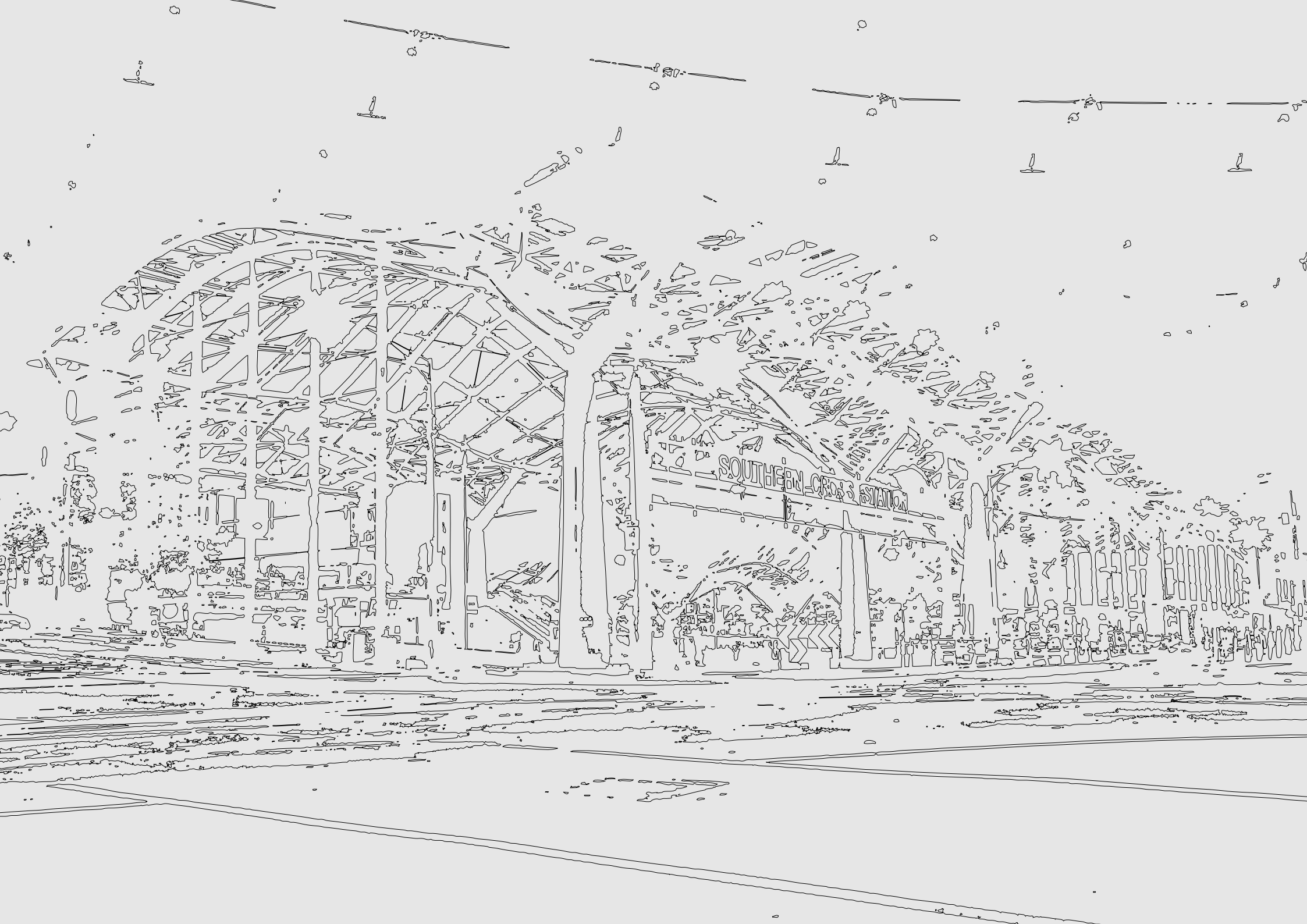
Contract Value:

\$6.2m

GFab was excited to play a pivotal part in the construction of Melbourne's Southern Cross Station iconic wave roof. The project required detailing, supply, fabrication and surface coating of the main spine trusses for the Southern Cross Station wave roof.

The trusses consisted of large diameter pipe sections that were curved in three dimensions and then fully butt welded to form the main trusses. Each truss was unique and manufactured to strict tolerances. On-site requirements demanded truss units be installed without any hold ups during an operational station whilst using extremely expensive plant and equipment. A high degree of surface protection was required and the finish to all materials was to be first class as befits such an iconic project.







Excellence in architectural fabrication

Detailing, fabricating and installing intricate architectural projects are a speciality. GFab has developed tools and techniques to achieve superior results and high-performance structures no matter how demanding the project design.

2

Principal:

Mirvac

Builder:

Mirvac

Contract Value:

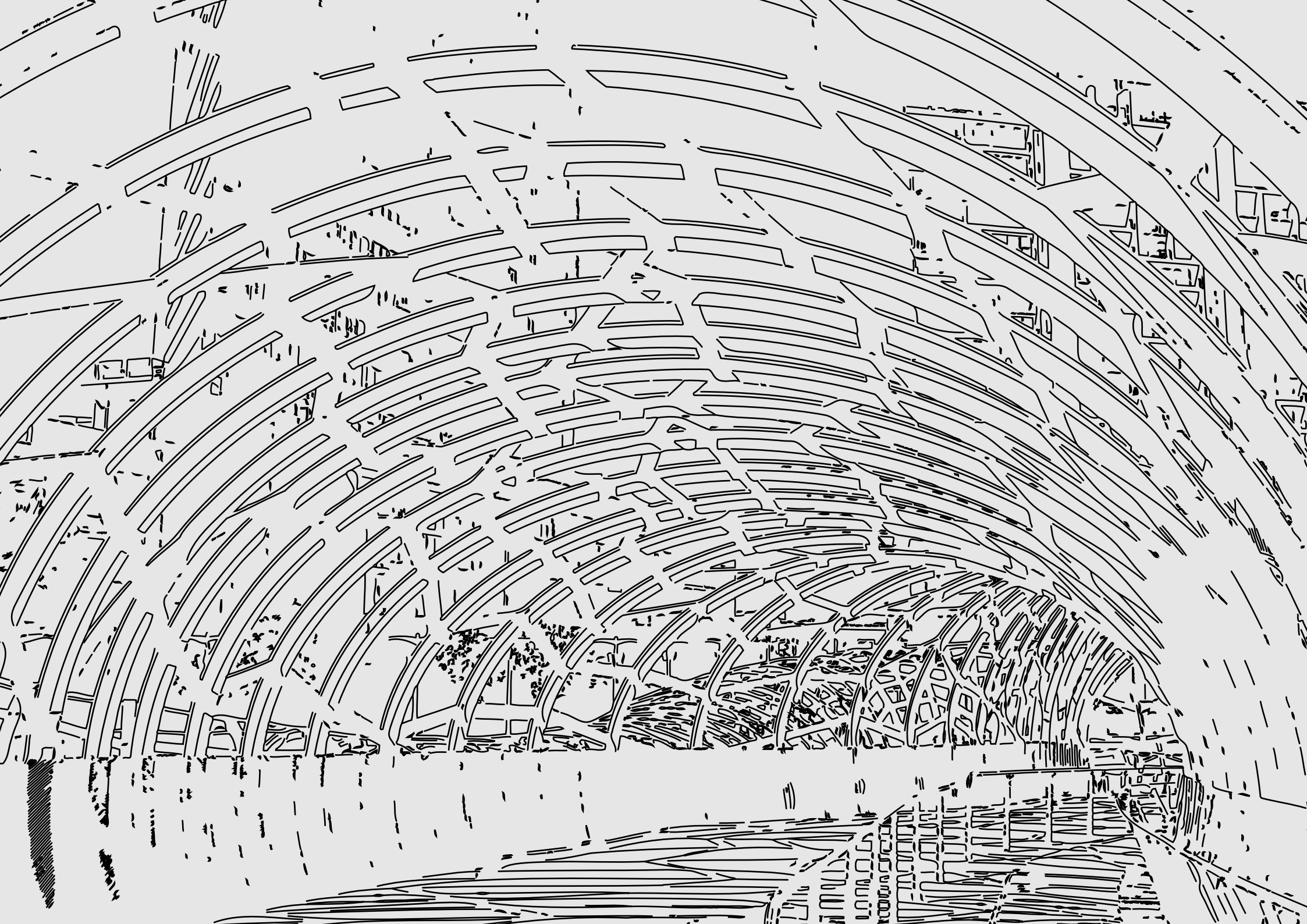
\$2.3m

GFab undertook the detailing, supply, fabrication, surface coating and installation of the Web Dock pedestrian bridge for Melbourne's Docklands precinct. The completed project was received with great acclaim.

This structure had strong architectural elements that were extremely difficult to fabricate. Curved perforated plate and steel sections together with binding intricate elements made this project a real challenge. Due to the aggressive nature of the environment a first class coating system was required, it's application completed in-house. The main curved section was fabricated as one unit in the workshop and delivered to the site via a barge from Lascelles wharf in Geelong to the Docklands precinct in Melbourne.

The end result is a work of art taking place amongst Melbourne's famous architectural structures.







Brilliant curves, elliptical pods

Beautiful, yet precise. Modern architecture demands flexibility of materials with outstanding results. Highly polished finishes, absolute precision and every colour imaginable. GFab is equipped to produce amazing architectural structures.

3

Principal:

Protector Building Systems

Builders:

Leighton, Boulderstone & Billfinger

Contract Value:

\$5.0m

GFab was approached to detail, supply, fabricate and install the entrance canopies to the North South Bypass Tunnel in Brisbane.

The canopies are 3-dimensional curved structures that are an architectural feature as motorists enter the individual tunnel sections. Each structure is unique and consists of complex architectural elements such as elliptical pods and curved voids. There is barely one straight piece of steel in nearly 400 tonnes.

All the steelwork has a 2 and 3 coat paint system. Some of the details were so complex that the normal 3D modelling programmes couldn't be utilised to provide workshop detail drawings. These particular elements had to be shop positioned via lasers and assembled prior to fully welding.







Sophisticated techniques

“The roof trusses were a three-dimensional shape with curves on all three axes. It was a challenge to fit up all the pipe to pipe connections with some nodes having up to six elements connecting together all fully welded and, at the same time, maintain the overall dimensions of each truss unit...” ASI: Southern Cross Station

Over 40 years GFab has delivered projects for some of Australia's most demanding clients. From pedestrian bridges, conveyor systems, feature stairs, ship loading cranes and roadside architecture GFab has delivered on time and to the highest quality.

Resolving Complex Structures

No project is too big or too complex. GFab has trained and developed staff for both fabrication and installation of highly complex projects around Australia.

Internal specialised shop detailers are able to solve difficult problems and streamline processes. Every project – no matter how intricate - is in good hands.

On-site Rigging Crews

The most important part of your project – the installation or build. It can also be the most problematic if you can't be sure your suppliers will do a quality job.

GFab's onsite rigging crews are specialists in erecting challenging and complex structures. Using advanced equipment, projects are able to be delivered efficiently, effectively and on time.

Sophisticated Grit Blasting & Painting

The final look of any project depends on the quality of the workmanship. That's why GFab has dedicated teams specially trained in complex grit blasting & painting.

Today's modern architectural steelwork projects demand sophisticated paint systems which require specialist applicators. By providing these services in-house GFab can produce a wide variety of excellent finishes resulting in a completed product which is second to none.

GFab has the ability to personally control the sequencing of the surface coating to ensure all project programming requirements are met.

Through years of working on large numbers of complex structures, GFab has managed to retain a highly experienced and motivated work force, consisting of top flight boiler makers and welders who can fabricate any structure that today's Architects can dream up – *If they can draw it we can build it.*



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