



**SKILLED CONSTRUCTION
SOLUTIONS PTY LTD**



**Specialists in onsite panel erection,
rigging, welding, caulking and patching.**



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Our History

Skilled Construction Solutions is a Victorian based company with a wealth of experience spanning over 30 years.

We offer integrated building services to ensure we can meet the needs of industrial and commercial construction developments. Skilled Construction Solutions personnel have a reputation for quality workmanship, speed, commitment to safety and successful delivery.

Our clients' goals are our priority. We are committed to establishing long lasting relationships with our customers by exceeding their expectations and gaining their trust. Through exceptional performance, we have completed a variety of high end projects for some of the most prominent builders in Victoria.



Built.



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Safety

The safety of all our staff and tradesman is paramount. Maximum safety precautions must be utilised both within and outside the work site.

Teamwork

Our dedicated and professional team are focused on flexibility, perfection and innovation.

Client Centric

We are 100% committed to meeting our client's needs and requirements.

Integrity

Our performance is constant and consistent. We provide timely delivery and completion of the project within the client's required time-frame.



Services

Welding

- Precast Panel Plates and Rectification
- Structural Steel Welding
- Universal Beams and Columns
- Modifications
- Cleats and Brackets
- Oxy/Acetylene Cutting and Fabrication
- Hand Rails
- We specialise in Pre-cast Panel connections, rectifying mis-aligned plates and rebates
- Welding procedure certified to weld code 1554-1 SP

Panel Erection

- Precast Panels
- Screens

Caulking

- Precast and Tilt Panels
- Expansion Joints
- Concrete Saw Cuts
- Fire Rated Sealing
- Brick & Block Work
- All Silicones

We service all type of external and internal caulking for industrial and commercial construction industries.

Patching

- Precast Plates
- General Patching
- Soffits and FC
- Rendering



Best Practice

At Skilled Construction Solutions we have a culture of continuous improvement, we commit ourselves to understanding and fulfilling our customers' requirements and expectations whilst maintaining the highest industry standard.

Safety Management Policy

Skilled Construction Solutions recognise that it is responsible for the health and safety of all employees under its control. In fulfilling this responsibility, the company has a duty to provide and maintain a working environment that is safe and without risks to health, as set out in the Occupational Health and Safety Act 2004. Health and safety implementation is a critical operation. Constant safety management, control and eliminations of risks is paramount.

Skilled Construction Solutions also ensures a Safe Work Method Statement (SWMS) is developed in every instance of high risk construction work, and adhered to at all times to ensure the safety of workers and public.

Environmental Management Policy

We care for the environment and are committed to its protection. All activities carried out by the business must;

- Comply strictly with all environmental legislation, regulations and industry practices to maximise environmental protection.
- Ensure continuous improvement through the application of best practice environmental practices. Implementing appropriate control measures that will mitigate negative effects to the environment and apply waste minimization principles.
- Educate and train our employees, subcontractors and other service providers to continually improve awareness, skills and knowledge of environmental issues and practices.



Quality Assurance Policy

We can ensure that our services satisfy the highest quality and standard through the application of industry best practice. All our practices comply with the Building Code of Australia. As such, all welders employed by Skilled Construction Solutions are certified and comply with;

- A.S 1796
- A.S 1554.1SP
- Quality Control on A.S Electrode Coverage E48xx:
- Welding Procedure Specification (WPS)
- Welding Traceability Register
- Procedure Qualification Record (PQR)

Our Welders use WIA Austarc 16 TC, high quality Twin Flux Coated Low Hydrogen rods as per industry requirements. We implement procedures to ensure the elimination of any potential safety and/or insurance problems, which can leave owners or body corporates with insurmountable defects that result in litigation.

Only the highest quality of products and consumables are utilised on your project sites. All our suppliers are from trusted suppliers.



AS/NZS 1554.1 SP Compliance

Skilled Construction Solutions are aware of, and committed to, their obligation to adhere to Australian Standards of quality in welding. Compliance with Australian Standard AS/NZS 1554.1 ensures we meet a guaranteed level of quality in workmanship.

Design

Generally most work is specified as AS/NZS 1554.1 SP. The rating SP compared with GP concerns weld quality and how it is inspected; SP rating is much more stringent. SP category requires more NDT, non destructive testing, such as X-ray or ultrasound than does GP. SP category requires a higher level of testing on weld procedures and welder qualifications.

Training

AS/NZS 1554.1 requires the use of certified tradesmen that has been tested to the weld procedures being used in the last 6 months via a welding supervisor witnessed test approved by a NATA laboratory. This applies to the welding performed in the factory and on site.

Testing and Inspection

Under AS/NZS 1554.1 all welding must be subjected to some inspection. This applies to work fabricated in the factory and on site. The selection of GP or SP category by the engineer is what drives the level of inspection. Generally, all work is visually scanned for gross defects and missing welds then a closer visual inspection is carried out on a percentage of the work. NDT such as x-ray or magnetic particle testing will follow to pick up small defects the eye cannot see. Records of all testing must be kept on file and presented to the client at the end of the job.

Documentation

All welding and fabrication work must be performed using qualified procedures. This applies to each task being performed such as drilling, cutting or welding. More critical to the job and to quality is the formulation of a qualified welding procedure specification, a WPS. This is a document setting out all the settings to be used by the welding operator. This ensures no matter who does the welding it is done correctly. Welder qualification records, WQR's, prove the staff have been tested to weld adequately to the provided WPS. NDT records prove that all of the job has been tested with the correct test and to the appropriate percentage level. Any repairs that arise must also be documented and records kept.



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