It’s time to build outside the box
The Monarch Building System is the result of over 10 years of extensive product research and testing and, manufacturing technology design and development. It was created by a passionate team who value design and quality as well as efficiency and profitability, and firmly believe that you can have them all.

The Monarch Building System are the leading Australian providers of innovative offsite manufactured building systems that deliver simplicity and efficiency onsite.

We enable project predictability and improved profitability for builders who are ready to build outside the box.

Monarch provides an innovative, technologically advanced building solution to builders and developers of single and double storey homes and low-rise multi-residential buildings. The Monarch Building System is ideal both for inner suburban small lots and infill sites, as well as greenfield developments.

The Monarch Building System delivers faster construction times to lock up stage and reduces trades required onsite – improving profitability through efficiency for builders and developers. It also provides an exceptional finish quality and is CodeMark certified. The flexibility of our manufacturing technology allows us to engineer and customise our building system to suit your requirements with 100% compliance with all relevant aspects of the Building Code of Australia. We help you to build your buildings not ours.

The evolution of building

It’s time to build outside the box.

With the entire world moving forward, why are we building the same old way? Modern technology and processes can’t be ignored, they must be embraced.

Monarch’s innovative materials, methods and thinking enable real growth for progressive builders who refuse to be held back.

The Monarch Building System is the result of over 10 years of extensive product research and testing and, manufacturing technology design and development. It was created by a passionate team who value design and quality as well as efficiency and profitability, and firmly believe that you can have them all.
Why choose Monarch?

Less drama and more profitability

The Monarch Building System takes developments from slab to lock up in a matter of days and is specifically designed to speed up fit-out.

One trade package and one accurate cost to take a development from slab to lock up also means costs associated with site supervision, procurement, handover from trade to trade, site labour, safety and clean-up are reduced.

The Monarch Building System removes the need for:
- Bricklaying or fixing of weatherboard
- Substantial rendering
- External wall painting
- Window and sliding door installation
- Application of foil wrap to walls
- Deliveries of bricks, weatherboard and windows

Progressive builders who use the Monarch Building System benefit from faster access to progress payments and significant improvements in project turnaround times. Also the number of projects they can take on increases without having to increase overheads.

Greater site utilisation

With a trend toward smaller lot sizes and developers seeking to efficiently maximise the yield of low-rise multi-residential developments, the Monarch Building System provides a frame and masonry cladding system of 105mm (excluding plasterboard) in comparison to a masonry wall of around 230mm wide. The result is typically a reduced building footprint and reduced associated costs (slab size, roof area, etc) without compromising the liveable area. This enables greater site yield in multi-residential developments. Alternatively, maintaining the original footprint will generally result in a 5% increase in overall living area.

External wall space is reduced by more than 50% compared to brickwork

Tough, durable and superior quality

The CodeMark certified Monarch Building System is the result of over 10 years of research and development and long term partnerships with reputable building product manufacturers including BlueScope Steel, Dulux and G. James Glass & Aluminium. The strength of Monarch’s manufacturing process lies in its strict quality control to ensure all materials are manufactured with an exceptional degree of consistency, precision and reliability.

A very high standard of durability is provided by complete waterproofing, termite resistant steel frames and preinstalled windows which avoid water ingress. Furthermore, the absence of timber in the window reveals, door sills and jambs eliminates deterioration due to the elements. Sustainability advantages include reduced waste, air pollution, water usage, transportation energy, and a lower embodied energy than equivalent brick veneer structures.

Why choose Monarch?

Half the labour and one accurate cost to take your project from slab to lock up

External wall space is reduced by more than 50% compared to brickwork
The team at Monarch combines extensive experience in residential building, development, engineering and steel frame manufacturing. We are motivated to seek innovative and effective solutions.

As an Australian owned family business, we are hands on in our approach, offering the personalised care and attention of a small company with the efficiency of a large one. We like to collaborate and work with our customers from concept stage right through to completion of a project. We open dialogues with designers, builders and developers to educate and inform, while gaining insight. This feedback loop means we continually improve and refine our practice.

Monarch has invested heavily in highly advanced technology to ensure quality outcomes. Sophisticated design and control systems software guides each step of the project throughout the design, manufacturing, supply and installation cycle. Such an integrated approach to information flow, combined with high levels of automation ensures the precision of the Monarch Building System is consistently achieved.
Building high quality, affordable homes that cater for modern Australians’ lifestyles both now and into the future presents as many challenges as it does opportunities. Be it an infill site, detached, semi-detached, zero boundary lot, small lot, freehold, community title, senior living or affordable housing, Monarch works in collaboration with building designers and developers, to understand the objectives of their projects and to get the most out of their sites. We provide insights into how the Monarch Building System can be used to maximise site yield and to overcome challenges like site and location constraints and access limitations.

Monarch collaborates with building designers and advises on how best to use and customise the Monarch Building System to meet project objectives, satisfy architectural preferences, overcome site constraints, reduce risk and provide project predictability. A comprehensive Design Manual and detailed Revit and CAD files for all typical elements of our CodeMark certified Monarch Building System support architects and building designers to prepare design documentation for various residential building applications.

Once approved, building plans received by Monarch are loaded into Monarch’s proprietary detailing software, REWPERT and double checked by our design professionals. The building design is then processed by REWPERT to define the building elements and produce corresponding machine data files, manufacturing assembly instructions, quality assurance controls and site construction documentation. REWPERT determines the precise onsite build sequence and ensures the elements of the Monarch Building System are manufactured and loaded onto trucks in a logical sequence to maximise efficiency in unloading and installation onsite. Predetermined engineering parameters within REWPERT also ensure complete structural compliance.

Manufacturing technology ensures the seamless transfer of REWPERT generated data files to the automated component and assembly machines. Such integration ensures superior levels of accuracy in the manufacturing process whilst also enabling flexible, continuous, high volume production. Each manufactured element is individually numbered to correspond with the site construction documentation. Experienced staff provide further inspection and quality assurance checks of each of the elements before they are sent to site. The entire manufacturing process is coordinated through our scheduling and resource planning system to ensure all components are completed on time and are ready for delivery.
Delivery

Elements of the Monarch Building System are racked in reverse build sequence and are checked by staff against despatch documentation before being loaded onto one of our trucks.

The Monarch Building System is delivered to site as scheduled to fit in with, and complement, your construction program. The delivery includes comprehensive site specific installation instructions; all certification and warranty documentation; and all fasteners and accessories. Providing you with everything you need to get from slab to lock up with less dramas, half the labour and one accurate cost.

Installation

Prior to installation the site is inspected for crane truck access and the slab is checked for accuracy.

A trained and accredited installation team stand and secure the Monarch Walls and Monarch Roof Frames, ensuring all crane work is done on day one, reducing costs and logistics and vehicles on site. Monarch Walls come with windows and sliding doors pre-installed which further reduces the number of trades required to take a site from slab to lock up with less dramas and one accurate cost.

Once the main structure is securely in place, the remaining roof framing, internal wall frames, roof sheets and rainwater goods are promptly installed.

In just a matter of days your site is taken from slab to lock up
Monarch consults with experts from all areas of our industry, and underpin our R&D with in-field testing to deliver the most efficient and effective products available.

**Monarch Calsonite®**
Calsonite® is a tough, durable external cladding. It is a reinforced concrete composite material specifically developed by Monarch to maximise the benefits and performance of the Monarch Building System. With a dense surface layer, internal reinforcing and reflective foil backing, it delivers benefits beyond those of traditional masonry.

**Monarch Steel Framing**
Made of high tensile steel from BlueScope Steel, Monarch Steel Framing is engineered to accommodate the unique aspects of the Monarch Building System including roof frame point loads and bracing requirements. It is pre-punched to provide hold down locations, service holes and bolt attachments and is provided as a complete set of ready to install, pre-assembled frames and trusses with all the necessary components, down to the last nut and bolt.

**Monarch Walls**
Monarch Walls are a technologically advanced building material that enables simplicity and efficiency onsite as well as offering improved durability and quality of finish. They are manufactured offsite, complete with windows, sliding doors and external cladding, to suit your building design and specifications, and installed onsite in a matter of days.

**Monarch Windows and Doors**
Monarch Windows and Doors have been developed in conjunction with G. James Glass & Aluminium. This collaboration has resulted in a comprehensive range of high quality window and sliding door options. The full integration of the window and door range with Monarch Walls provides superior sealing which eliminates water ingress. As a complete aluminium system, there is no timber frame, reveal or architraves to deteriorate over time.

**Monarch Roofs**
Made of high tensile steel from BlueScope Steel, Monarch Roofs consist of a fully bolted roof frame comprising preassembled trusses, structural hips and valleys, rafters, purlins (as roof battens), ceiling joists and soffit framing. It comes with a Colorbond® roof sheet package including insulation and rainwater goods. Truss spacings of up to 2400mm provide ample space for the installation of air conditioning duct work. Safety mesh over the purlins provides definite fall through protection for roofing installers.

**Monarch Floors**
Monarch Floors consist of precision roll formed steel joists using high tensile steel from BlueScope Steel. Joists are custom manufactured and labelled to suit individual house design requirements. Brackets are designed and engineered for fast and easy connection of the joists to the external walls, internal support walls or bearers, depending on the application.

**Monarch External Fire Walls**
Monarch External Fire Walls consist of a fire rated external cladding, ModokBoard, which is robotically fastened to a commercial grade Monarch Steel Frame. Designed for zero boundary lots where part of a residence is less than 900mm from the lot boundary, Monarch External Fire Walls are manufactured offsite and installed onsite in a matter of hours.

---

**Innovative Materials**

---
Houses

Seven houses constructed sequentially in 20 weeks
Whitsunday Breeze and Whitsunday Shores Estates, Bowen, Queensland

- Ranging from 3 bedrooms, 1 bathroom, 1 garage (140m²) to 4 bedrooms, 2 bathrooms, 2 garages (240m²)
- Project time: 20 weeks
- Total floor space: 1333m²
Multi-residential Developments

A duplex development in the award winning HillClose Estate providing affordable and attractive 3 bedroom units

Christina Avenue, HillClose Estate, Clinton, Gladstone, Queensland

Project time: 11 weeks
Total floor space: 264m² (132m² each)
Progressive developments that have used Monarch Four free standing townhouses constructed on a single site to maximise yield

HillClose Estate, Clinton, Gladstone, Queensland

Townhouses

Four free standing townhouses constructed on a single site to maximise yield

HillClose Estate, Clinton, Gladstone, Queensland

Each townhouse comprises 3 bedrooms, 1 study and 2.5 bathrooms

Project time:
13 weeks

Total floor space:
688m² (172m² each)
It’s time to build outside the box