



WESTERN SHEDS

LOCATION: BIBRA LAKE, WA **NEW BMX CLUB FACILITY**

Western Sheds was founded to fulfill Perth’s need for quality, durable steel sheds, and has since grown into a highly reputable name in Western Australia. As the state’s largest Fair Dinkum Builds franchisee, Western Sheds has established itself as the leading choice for custom shed solutions across residential, rural, and commercial applications. Specializing exclusively in shed construction, Western Sheds is powered by a tight-knit team of professionals with decades of combined experience.

Every shed is custom-made, designed to withstand Australian terrain and wind regions, and can be equipped with various features like roller doors, access points, windows, and insulation. With a dedication to quality, Western Sheds takes pride in delivering exceptional, tailored structures that meet both customer needs and council requirements. Through meticulous craftsmanship and attention to detail, Western Sheds has built countless quality steel structures across Perth, earning a reputation for reliability and client satisfaction.



“ WESTERN SHEDS HAS BEEN SUPPLYING AND RECOMMENDING LARNEC PRODUCTS FOR OVER 10 YEARS. WE HAVE ALWAYS FOUND THEIR STAFF TO BE VERY EFFICIENT AND PROFESSIONAL. THE PRODUCT IS ALWAYS GOOD QUALITY AND LEAD TIMES ARE ALWAYS REALISTIC AND ON TIME. WESTERN SHEDS WILL CONTINUE TO USE AND RECOMMEND LARNEC PRODUCTS. ”



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The Bibra Lake BMX Club hosts Bicycle Motocross events across the year, bringing together enthusiasts for the sport. In April 2023 the club required a new and upgraded facility encompassing refreshed areas for event hosting and gathering of members and watchers including family and friends.

As part of this refresh, local shed builder and contractor Fair Dinkum Builds Western Sheds was contracted for a new large shed to be added to the development. This case study showcases how Larnec, a leading manufacturer of insulation and building components, partnered with Western Sheds to overcome a complex ventilation challenge in this community project using Larnec products.



THE CHALLENGE:

The primary challenge of this project stemmed from its location. The BMX club's new facility was contracted to be built on reclaimed land which increases the potential for gas accumulation beneath the structure. This environmental factor necessitated added attention to detail when it came to the design criterion of the structure. To ensure adequate safety and compliance with local regulations, the design focused on increased standards for ventilation, ensuring that the right products and materials were used to create well-ventilated spaces.

The project required a ventilation system that would:

1. Provide adequate airflow throughout the structure to prevent the accumulation of gases from the ground.
2. Meet stringent safety standards for buildings constructed on reclaimed land.
3. Integrate seamlessly with the overall design of the building.

To meet these challenges the Fair Dinkum Builds Western Shed team needed a high-quality ventilation solution and partner, who could not only supply high-quality components but also supply them quickly, with knowledgeable insight on design and ventilation best practices, to ensure that the solution would work seamlessly, and suit the overall design of the shed.

Here, they turned to Larnec, for their service quality and product excellence.



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THE SOLUTION:

Larnec rose to the challenge by providing a comprehensive solution that addressed all of Fair Dinkum Builds Western Sheds' needs. The solution comprised three key components:

FIXED WALL VENTS [VFWV.912BM]

Larnec designed and supplied 11 wall vents, perfectly suited to meet the project's unique airflow requirements. Chosen for their strength and durability these fixed external wall vents swiftly provided airflow to the structure.

Key features of these wall vents include:

- » Strong 0.55mm steel louvre blades fixed within a durable frame.
- » External flange for face fixing, making installation quick and easy.
- » Available in a range of COLORBOND steel colours.
- » Made in Australia with a 2-year warranty.

PRODUCTS SUPPLIED:

11 x Ventec Wall Vents



Sentry 200.47 Semi solid core PA door



PERSONAL ACCESS DOORS [200.47 920 SEMI SOLID]

To complement the ventilation system and provide secure access to the facility, Larnec supplied high-quality personal access doors.

These doors come complete with a:

- » Industry-specific design suitable for shed and garage applications.
- » High-security features, including solid core options.
- » Carbine hardware, engineered for security and user convenience.
- » Full design flexibility, with options for double doors and inward swinging configurations.

SPECIALLY SOURCED STAINLESS-STEEL MESH

To suit the sheds strict design requirements, Larnec sourced and provided a specific vandal-proof mesh, ensuring that the ventilation system would remain secure and functional in a large community space.

The collaboration between Larnec and Fair Dinkum Builds Western Sheds resulted in a highly successful final product that met and exceeded the expectations of the Bibra Lake BMX community club with Fair Dinkum Builds Western Sheds Director Andrew Nairn stating that the vents had a great final aesthetic appearance and that the community club was “very happy with the final product”.