

HOME HQ

BUILT ENVIRONS

GEPPS CROSS SA



by a central core of finance, HR, IT, marketing and business systems specialists.

The Building Division has completed an impressive range of projects, including commercial and residential buildings, educational facilities, entertainment and sporting venues and shopping centres, and has developed a niche speciality in working in and around busy functioning facilities such as entertainment venues, hospitals, hotels, schools, shopping centres, universities and zoos.

The Engineering Division works on a range of civil, industrial and marine projects for clients in the energy, infrastructure, manufacturing, processing and resources industries, with a niche speciality in providing the access roads, tower foundations and other civil works for windfarms.

Built Environs' recent major projects include the Adelaide Oval Western Grandstand Redevelopment, the Adelaide Desalination Plant Transfer Pipeline (in joint venture with McConnell Dowell), the Common User Facility ship building complex at Osborne (again, in joint venture with McConnell Dowell), the Clements Gap Windfarm, the Goyder Pavilion at the Adelaide Showground, the CMI Toyota Showroom on West Terrace and UniLodge @ Metro Adelaide in the Adelaide CBD.

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BUILT ENVIRONS @ HOME HQ

Having recently refurbished their own corporate HQ, Built Environs now adds another HQ to their impressive portfolio: the Home HQ at Gepps X in Adelaide's northern suburbs. Located on the former abattoir site between Main North and Port Wakefield Road, Gepps X Home HQ is owned by Axiom Properties, with Built Environs as main contractor on the \$60m development.

The Gepps X Home HQ complex has a total floor area of over 60,000m² and parking for nearly 1,500 vehicles, making it South Australia's largest bulk goods homemaker centre. The centre is ideally located to service Adelaide's northern suburbs and is sure to be a popular weekend destination for home improvement shoppers.

Adelaide-based engineering and construction firm Built Environs followed a well-proven construction methodology used for similar works, although on a smaller scale, that have been tenanted by leading retailers such as Bunnings, Harvey Norman and Radio Rentals at Cheltenham, in Adelaide's west, and at other locations.

The 12 month construction schedule began with earthworks, the installation of underground services and excavation of the footings and pads. The site's red clay soil was assessed as a potential problem in wet weather, so rubble was trucked-in to build-up to the underside of the planned building, car park and road levels, with the additional benefit of providing a firm base. The casting of the footings and pads was next, followed by the erection of the structural steel and precast concrete. Meanwhile, the civil works progressed for the car parks and

access roads. Once the roofing had been erected and clad, the ground slabs and mezzanines were poured and finished to specification.

Two of the three main buildings were under construction simultaneously to achieve the program, with a third central building having started slightly later but proceeding on a similar program.

The complex also includes two smaller food and beverage buildings which, due to their function, were more complex and required more sophisticated services and finishes.

While the Built Environs methodology is fairly standard, it's the efficiency and the dedication of their teams that kept the project on track – and the client confident that their investment would be ready for tenants and their customers on schedule.

Delivering this scale of project within a one-year timeframe further strengthens Built Environs' reputation as the construction partner of choice for major retail centre developers.

By following an efficient construction methodology and doing it well, Built Environs minimises a client's exposure to financial risk and adds certainty to their retail tenancy strategy – all very important factors to investors in the current financial climate.

Built Environs has a broad range of capabilities provided by two specialised divisions – Building and Engineering – and supported

Proud to have been associated with
Built Environs
on the
Home HQ Centre

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► Since 1954



FIELDERS FINISH ON TOP AT HOME HQ

Continuous runs of roofing deck of up to 75m in length cover the entire roof of Adelaide's newest and most significant retail outlet, Home HQ, and not a screw in sight.

Fielders Steel Roofing supplied the steel roofing and walling on the 60,000 square metres Gepps Cross Home HQ complex for Built Environs utilising the Fielders concealed fix roofing deck, KingKlip® 700 that ensures there are no screws piercing the roof deck, providing the tenants with an unparalleled sense of security.

The scope of the works also included 4,000m² of Fielders Shadowline in 0.7mm Onesteel ColourGuard® Metallic. The Shadowline being the perfect choice with its distinct flat pan profile and striking bold lines.

The nature of the Home HQ design demanded exact measurements by the roofer and precise manufacturing methods to attain optimum aesthetic performance. Cladding and Roofing Contractors, Adelaide's largest and universally respected Commercial Roofing Contractor provided the right information that enabled Fielders to produce the required result.

The implementation of Part J of the new Building Code of Australia (BCA) presented a challenge for Fielders as it demanded that the roofing blanket fully recover to its design thickness in between the purlins rather than be compressed as it had been in traditional building methods over many years. Fielders' design team created unique custom made spacers incorporating the KingKlip® fixing clip to enable the Roofer, Cladding & Roofing Contractors to overcome the problem with a minimum of fuss.

Fielders innovated mobile mill technology over 10 years ago enabling them to roll long runs of roofing sheets on site, the longest being over 100m on a significant Aircraft Hangar in Canberra airport.

This technology has placed all of Fielders decks in custom-built containers to dramatically cut down on material handling costs. They can now roll of their profiles throughout Australia, even in the remotest regions and are ready for the world. The mobile mill technology was utilised at Home HQ thus eliminating potentially corrosive step joints and achieving sheet lengths of up to 75m long.

The Fielders concealed fix roofing was the perfect choice to be used on the project, is available in a variety of profiles to suit any

application. In comparison to concealed fixed an average 6000m² screw fixed deck will have about 36,000 screw holes, each one a possible source of corrosion over time.

Fielders' concealed fix profiles, KingKlip®, WideKlip® and HiKlip® have been developed to suit various environmental and structural applications, using specially designed robust clips instead of screws to fix the sheets. No holes means no leaks, while the innovative Spacer Clip allow full recovery of the insulation to ensure optimum thermal performance.

Home HQ Gepps X will have the extra security of the unique Fielders' 20 year Watertight Installation Guarantee. Fielders staff arranged on site meetings early in the contract period to ensure that other trades installing air conditioning and other ancillaries, would not affect the roof installation. Rigorous inspections by Fielders' Engineering team ensured that Cladding and Roofing Contractors' meticulous standard of workmanship was not compromised.

Fielders have a long tradition of excellence in service and quality that stems back to the company's founders in 1900 in Adelaide, SA. Specialising in the manufacture of steel roofing and flooring

products, they are renowned for innovation and constant research and development.

Fielders manufacture a comprehensive range of mainly roll-formed steel products that are supplied to commercial, industrial and domestic building contractors from over 16 sites nationwide.

Products include roofing and cladding in a range of profiles and gauges, fencing systems, rainwater goods, gutters, flashings, sheet metal fabrication, fascia, purlins, doorframes, KingFlor structural decking and carports.

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