



New boarding house on solid ground

With one of the largest boys' boarding programmes in Adelaide and as one of Adelaide's most prestigious private boys' colleges, Prince Alfred College has welcomed a new \$20 million boarding facility.

Prince Alfred College educates over a thousand boys and was established in 1867. Located on the edge of the East Parklands in Kent Town, the college's primary campus sits on 9.8 hectares of spacious grounds. The new boarding facility expands the College footprint across The Parade West.

Designed by architectural firm Hames Sharley, the five-level facility is spread over three wings with a central core linking the boarding facilities with the main campus. A private footbridge across The Parade West has also been constructed for safe and easy access between the two spaces.

The new boarding house includes residential rooms and units, recreation space, a health center, housekeeping and tutorial rooms. Also part of the project's scope is a car park for up to 26 cars.

A brief to offer premium accommodation with a level of homely comfort, while supporting academic and social development inspired the facility's design. Existing site constraints along with environmental considerations determined the construction methodology and choice of materials.

Hollowcore specified for its long open spans

Ideal for its long spans, precast prestressed hollowcore flooring was originally specified for the project. Delta Corporation was chosen to supply 4,500 square metres of their proprietary 250mm deep Deltacore, which was manufactured by the company in its Western Australian factory. With each plank measuring on average 9 metres long and spanning up to 11 metres, planks were able to span the full length of the structure, untopped.

According to project engineer Samuel Case, Director of PT Design, approximately 375 square metres of the hollowcore flooring was installed each day.

Precast manufacturer

Delta Corporation

Builder

Sarah Constructions

Engineer

PT Design

Client

Prince Alfred College

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While other building materials caused delays on this project, the lost time was recovered due to just-in-time delivery and the speedy construction times offered by the flooring system.

"Precast flooring was chosen not only because of its speed of erection, but also for its consistent spans, and the absence of mid-span propping of the floor. This allowed the builder to start installing services and stud framing to the floor space below at the earliest opportunity and without obstructions", he said.

World class facility supporting world class education

Darren Roylett, College Director of Boarding and Boys' Education says the new boarding facility will provide boarding students with a world-class facility, to ensure their time at the College is filled with fond memories and outstanding achievements.

"Our boarding program and culture is world-class and it is exciting that our boarding facilities will soon be up to that standard," he commented.

Once the new facility is operational, the three existing boarding houses will be demolished to make way for more green space, car parking and improved pedestrian safety.



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