

BUILDING STUDIO.

TRINITY GRAMMAR POOL
Summer Hill, Sydney

Client Trinity Grammar School
Construction Value \$18m

In January 2013, Building Studio were invited to prepare a concept design for a 50m indoor swimming pool at Trinity Grammar's main campus in Summer Hill. The new pool was to provide facilities for water sports education, spectators and intramural competition.

Conceived as an underground building to maximise valuable open space within the School's campus, the design concept utilised the site falling contours to create a naturally ventilated and light-filled gallery that provided optimal swim training and competition conditions. Designed to international standards, the eight lane 50m pool is divisible into competition and training water polo courts. Additional space for competitor marshalling and spectator stands is provided.

With the pool surface approximately 5 metres below natural ground level, the hall soffit is a trafficable concrete deck supported by sculptural concrete beams. Structurally designed to streamline the construction process, this deck spans 35m and provides both the architectural character and the opportunity for a new junior school playground space above.

The main entrance hall and ancillary changing, education and technical spaces are provided within the 1800m² footprint. Cross-flow ventilation and natural light penetration is achieved via a full-height glazed wall which runs along the entire western facade of the building and opens onto an external courtyard with panoramic views of the sky. On the eastern side, sculptural turrets provide air exhaust, to control moisture and humidity within the pool hall.

