



LOCATION

Adelaide, South Australia

CLIENT

Built Environs Pty Ltd

CATEGORY

Construction

FEATURES

Elevated pool

Water Treatment system

Viewing Windows

West Franklin Apartments

Perched on level seven of the West Franklin Residential development in Adelaide's CBD sits the city's first sky pool with underwater viewing windows. The lap pool's turquoise mosaic tiles are a breathtaking contrast to the edgy urban architectural design of the building.

The unique architectural design of the West Franklin development was always going to result in a breathtaking, unique elevated lap pool. The 25-meter pool features four individual 3m x 1m acrylic windows on the street-facing facade. A visual feature for those using the pool and passers-by who can get a glimpse into the turquoise waters of the 7th-floor pool from the street below.

Our team worked tirelessly on the project to ensure the challenges of the pool windows, made from 50mm thick acrylic, were executed with the utmost care and attention to detail. The elevated constructions and windows of the West Franklin pool were a design and engineering challenge which we overcame with the inclusion of two construction joints. Waterproofing the joints at this height proved an additional challenge, however, with so many levels of residential living below the pool it was essential that we get this right.

Drones were utilised for the first time by our team to carefully check the windows externally, once the pool was filled. Built on the old Balfour's site in the Adelaide CBD the West Franklin Development site was a privilege for our team to be involved with.

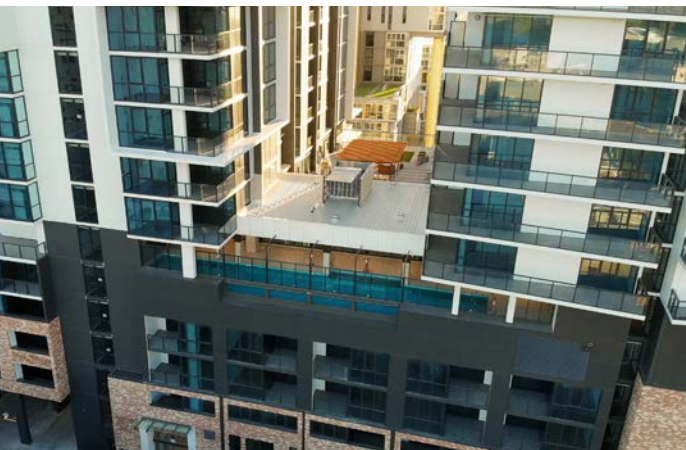
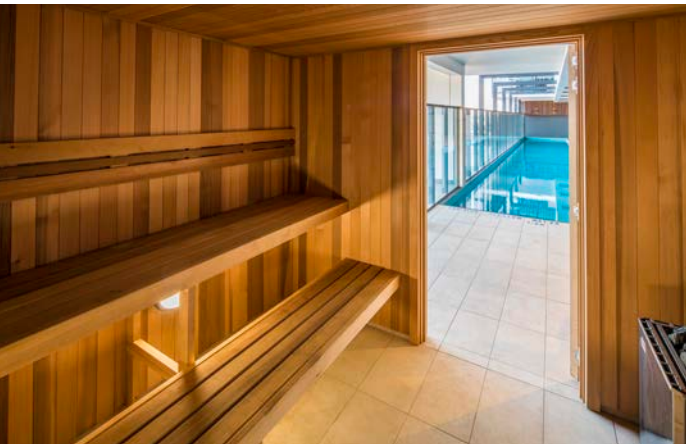


**Built
Environs**
Part of the McConnell
Dowell Group



HYDRILLA

hydrilla.com.au



WEST FRANKLIN APARTMENTS

An additional architectural feature of the pool is the wide and elegant stairs which provide access into the pool which is a compact 4 meters wide with a constant depth of 1.2 meters.

In collaboration with the developers, we elected to use Sodium Hypochlorite as a primary disinfectant and UV disinfection as secondary treatment. This will ensure reliable, clean water for the residents of the development.

The client was keen to ensure the pool was as efficient and sustainable as possible. Our initiatives around this include:

- Automated and integrated system with remote access
- Use of variable speed drive to save energy cost
- Liquid pool blanket to reduce the heating costs

We were thrilled with the results of this complex build and The West Franklin Pool was entered into the 2020 Swimming Pool & Spa Awards for Excellence and was awarded Highly Commended in the Lap Pool - Concrete Category, for South Australia.

