



THE HEIGHT OF SOPHISTICATION

DEVELOPER : Asian Pacific Group and Ironfish Developments
MAIN CONSTRUCTION COMPANY : Maxcon Constructions
ARCHITECTS : Peddle Thorp Architects
STRUCTURAL ENGINEER : Adams Consulting Engineers
CONSTRUCTION VALUE : \$200 million

The Whitehorse Towers represents a new era in modern living, with 516 new age apartments, plus 100 hotel suites boasting modern architecture and high end features, housed within a striking façade. The mixed used development also comprises commercial and retail spaces, with rooftop pool and gym facilities.

The \$200 million Whitehorse Towers development is located at the gateway to Melbourne's Box Hill. The bold and striking building was design and constructed by the team at Maxcon, and the development is the tallest outside Melbourne's CBD.

The Whitehorse Towers offers residents all the luxuries of contemporary living, cultural design, art and prestige with a gym, four retail tenancies, apartments, office spaces, and 100 hotel suites. The 310 residential apartments located over 36-levels of Tower 1 with access to a rooftop communal space, while the second tower boasts 206 apartments, with access to a rooftop pool area.

The one and two bedroom apartments feature open plan living and dining with stunning timber flooring, personal balconies, and a designer kitchen complete with Miele appliances, stone benchtops and feature stone tile splash backs.

The buildings unique appearance is due to the curved curtain wall façade combination of a concrete and glass. The floor to ceiling balcony windows and the private balconies not only let in a wealth of natural light to the apartments, they also accentuate the towers unique curves.

Work for The Whitehorse Towers project commenced onsite in February 2016, with completion in September 2017, with the project engaging 2,083 people onsite at it peak.

Maxcon was responsible not only for the design and construction of the project, but also for coordinating subcontractor works, preserving the programme, maintaining the project budget, resolving problems and delivering a high quality, compliant building.

"Maxcon is pleased with the result," Carol Elzain, Senior Project Manager said. "It was a pleasure to work on and successfully deliver such an iconic project. The building is impressive both internally and externally, and is an excellent example of the high quality construction that Maxcon is renowned for."

As a family operated and owned business, Maxcon specialises in designing and constructing buildings with a range of commercial and residential purposes, offering vertical and lateral integration skills. Confident in its ability to deliver diverse and innovative solutions, the company has a commitment to delivering on time, to specification, and within budget.

Maxcon's recent projects include the Bohem Apartments and commercial space in Adelaide, as well as the 420 Spencer Street high rise apartments in West Melbourne, and the 8 Lygon Street apartments in Melbourne suburb Brunswick East.

For more information contact Maxcon, 71 Flinders Lane, Melbourne VIC 3000, phone 03 9650 9580, fax 03 9650 9960, email info@maxcon.net.au, website maxcon.net.au



STEELING THE SHOW

Specialising in structural steel, Metalex-AL has provided steel to the construction industry for over 15 years. The structure and shape of the building was key to the execution of the project, and Metalex-AL provided drafting and fabricating services, as well as installing structural steel to suit the architect's unique requirements.



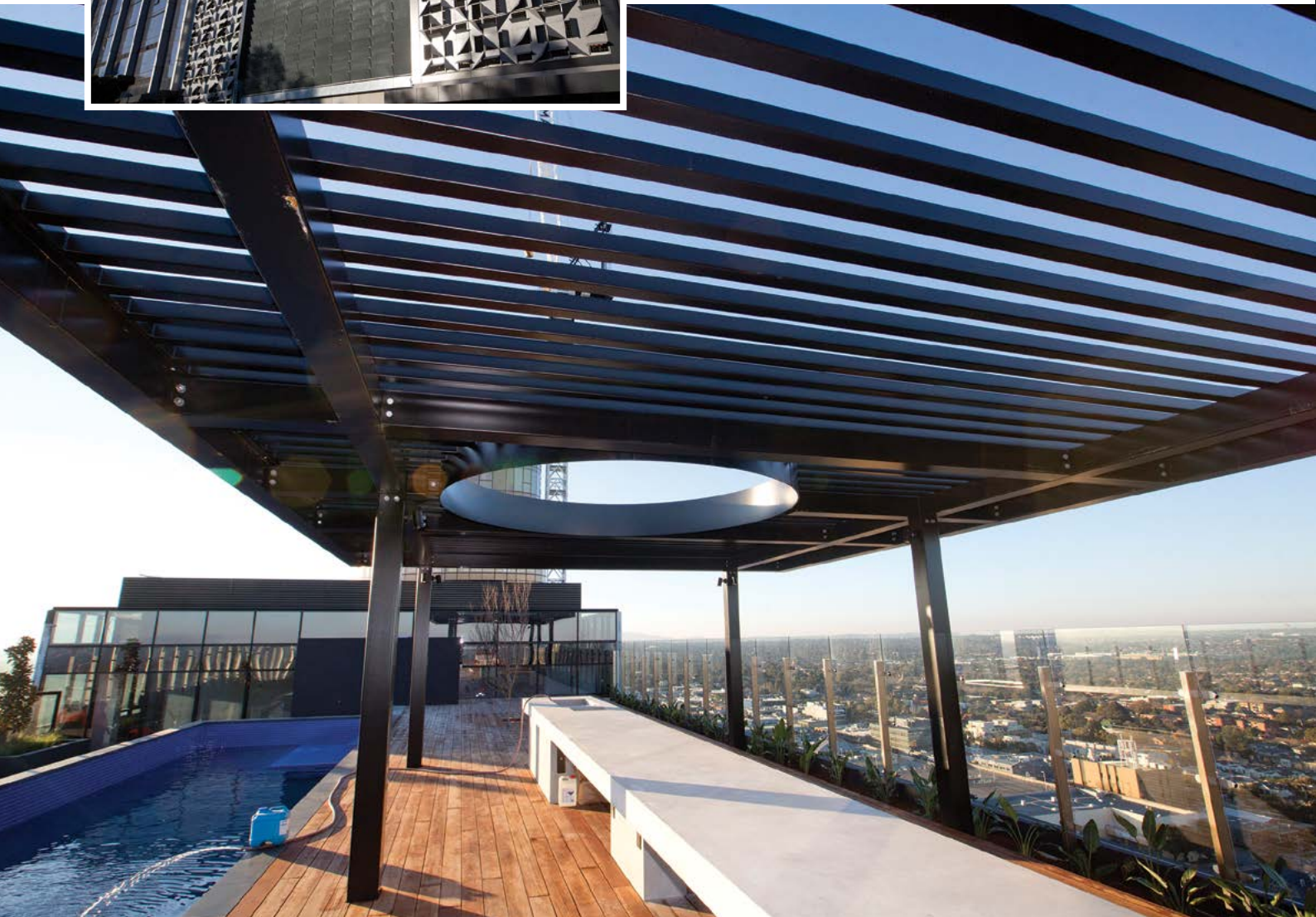
“For this project they required a lot of rectangular hollow steel and square hollow steel for the window supports,” said Alin Alexa, Managing Director of Metalex-AL. “The factory fabricates everything and then we get it sent off to get sandblasted and painted and when they’re up to the right level, we go in for two or three days to do all the installation.”

The company’s long term relationship with Maxcon, means that it is often working on multiple projects simultaneously. “We work on a lot of projects at a time. This job didn’t require a lot of steel, so it’s not a problem. We’ve happily worked with Maxcon in the Melbourne area for between 10 and 12 years,” Alin said. The company regularly dedicated up to three of its 18 employees to work onsite on The Whitehorse Towers project.

While all builds come with unique challenges, Alin said that The Whitehorse Towers project has been straight forward in terms of Metalex-AL’s involvement, with the company finishing Pergola features on Tower 2 within expected timeframes.

Alin said he was pleased to see the building’s progress and proud of Metalex-AL’s involvement. “It’s a very nice building actually. It’s a bit different.”

For more information contact Metalex-AL, 27 National Drive, Hallam VIC 3803, phone 03 9702 4485, fax 03 9702 4489



The Whitehorse Towers, Victoria

SHAPING THE FUTURE

Peddle Thorp Architects provided design services to the \$200 million Whitehorse Towers project. Peter Brook, Design Director for Peddle Thorp Architects, said that the project was a spectacular opportunity for the experienced company to create a local icon.

“We came up with the concept of the two towers with the corner tower being a landmark that enters into the shopping precinct,” Peter said. A design team of six and documentation team of 15 overcame several planning and technical challenges to complete the design.

“The building straddles a main sewer line that crosses deep down under the site. There were also a unique range of engineering and structural challenges in achieving the shape of the building,” he said.

Overall, Peter said Peddle Thorp Architects were pleased with the design. “I think it introduces the idea of simple, clean, elegant buildings which can set the character of Box Hill in the future.”

For more information contact Peddle Thorp Architects, Level 1, 525 Flinders Street, Melbourne VIC 3000, phone 03 9923 2222, fax 03 9923 2223, website www.pta.com.au



THE PERSONAL TOUCH

Lapege used decades of premium stone and tiling experience to give The Whitehorse Towers' 516-apartments and 100 hotel rooms their classic, luxury finish. As importers of porcelain, ceramic, marble and mosaics, the company has specialised in providing a high quality product for these types of projects for 15 years.

The project used a variety of tiles and incorporated natural handmade products that give the project its distinctive look and feel. Specialised made-to-order Italian Terrazza was installed in the lobby to create a

seemingly simple, yet intricately textured first impression, that sets the tone for quality echoed throughout the development.

Lapege provided all the bathroom finishes, which feature a hand-made penny round mosaic. "With anything handmade the quality controlling has to be very strict," explained Morena Petrolo, Lapege Director. Stone, being a natural product can be hard to maintain its consistency, particularly with such as large volume required for The Whitehorse Towers.

An Italian timber-look porcelain tile was used on the project to add an extra level of sophistication to each apartment. Being porcelain, the tile can be made to imitate timber in a range of colours, adding a depth of texture to the space, without the need for ongoing maintenance that can be required for a natural timber product.

The company's two directors liaise directly with their overseas suppliers and manufacturers to ensure a high level of quality is maintained throughout the whole process. The innovative approach of the Lapege team and their extensive product knowledge, allow them to approach spaces with an attuned attention to the details at every stage and provide products that are intelligent and functional for contemporary city living, without compromising the aesthetic design.

For more information contact Lapege, 146 Johnson Street, Collingwood VIC 3066, phone 03 9419 8777, fax 03 3419 5041, website www.lapege.com.au



CRYSTAL CLEAR VISION

Aloha Pools was contracted to complete the design and construction of The Whitehorse Towers' luxury rooftop swimming pool.

Building a swimming pool at height requires high attention to detail and communication between many different aspects of the construction process. "Coordinating with trades onsite is a challenge, as well as getting finishes and concrete up to that height," explained Nathan, Aloha Pools' Sales Engineer. "Even before construction, the pre-design phase requires us to settle on the design work with various engineers, architects and builders, while considering cost constraints."

Taking on responsibility for the pool's finishes, waterproofing and onsite construction, the company's decades of experience were crucial to the project. Aloha Pools employs various new techniques specific to each pool installation, with particular attention paid to the waterproofing. "Waterproofing is still a big issue," explained Nathan. "Dealing with a swimming pool, there can potentially be a lot of issues if you don't get that right."

Aloha Pools have specialised in high rise commercial pool design and construction with 50 years of industry experience. "Our focus is on achieving good outcomes. We're lucky that we get to work with a lot of passionate people and harnessing that is really exciting," said Nathan.

Aloha Pools ensures that they take the time to fully understand the functionality of the end result, and work that into the final

designs. Nathan said that the company focuses on achieving a high aesthetic outcome.

The Aloha Pools team is well-trained in the construction of a range of different pool styles, under a wide variety of environments, which allowed a team of 10 to install The Whitehorse Towers' pool within scheduled time frames and with excellent workmanship.

Aloha Pools has also recently worked on Maxcon's Central Park Apartments and the Northern Geelong Special Development School's hydrotherapy pool.

For more information contact Aloha Pools Pty Ltd, 3/35 Lakewood Boulevard, Carrum Downs VIC 3021, phone 03 9775 0033, email reception@alohapools.com.au, website www.alohapools.com.au