

A LASTING MEMORY

DEVELOPER : Southern Metropolitan Cemeteries Trust
MAIN CONSTRUCTION COMPANY : Hansen Yuncken Pty Ltd
ARCHITECT : BVN Donovan Hill
ENGINEER : Bonacci Group
PROJECT VALUE : \$50 million



The \$50 million Bunurong Memorial Park redevelopment provides Melbourne with a contemporary twist on the traditional memorial park with the addition of reflection spaces, café, florist, playground and the construction of the memorial bridge stretching across Lake Australis.

Southern Metropolitan Cemeteries Trust's Bunurong Memorial Park is undergoing a major redevelopment, under the watchful eye of Australia's leading privately owned construction firm, Hansen Yuncken. Established in 1918, Hansen Yuncken is at the forefront of change and innovation in the building industry, undertaking projects in the commercial and industrial fields as well as for Government Departments. A respected builder for major construction projects, and having been in continual operation for almost 100 years, they were the perfect choice when it came to the Bunurong Memorial Park in Dandenong South, Victoria.

The \$50 million redevelopment, undertaken in two separable portions, is aimed at being a drawcard for families and visitors. When finished, Bunurong Memorial Park will include 101 hectares of Australian native landscape, being almost three times the size of the Royal Botanic Gardens, and it's envisioned that it will become a popular community meeting place. One of the aims of

this redevelopment is to demystify cemeteries and get the public to embrace them as a community asset, just as they did in the 1860's where thousands would flock to Melbourne General Cemetery to picnic on a summer's day.

The transformational development at Bunurong Memorial Park is creating a contemporary memorial park like no other. The Southern Aurora Centre includes the construction of three highly architectural reflection spaces (multipurpose chapels), an administration and function centre, café, florist, playground and multifaith rooms. It is set to change the public perception of memorial parks as a place to gather and celebrate life.

In addition, a gatehouse and memorial bridge - 'The Crossing' - have been built, the bridge stretching across Lake Australis and providing visitors with a place to reflect and to remember loved ones. Memorial plaques will also be built into the bridge to mark the final resting place

of relatives and friends. To accommodate the anticipated influx of people to the site, road works have been undertaken to ease traffic congestion into the area.

Extensive landscaping on site includes the planting of over 80,000 native trees and shrubs before first stage completion. As well as a multifaith meditation garden, a distinctive Australian theme has been devised for the Matilda Garden, with the regenerated Indigenous natural environment providing a suitable habitat for local fauna.

With extensive landscaping and civil construction occurring at the major redevelopment, Bunurong Memorial Park is master planned to meet Melbourne's population needs for the next 50-70 years. Additional grave plots and cremation memorial plots will also be added during the redevelopment.

Committed to the highest level of quality and service, Hansen Yuncken is ensuring that Bunurong Memorial Park is being built with the highest quality materials. Specialist timber frames in the form of RAICO THERM+ Timber and Aluminium Thermally Broken Curtain Wall systems have been utilised in reflection spaces 1 and 2 and an STO render finish has been applied to the exterior of

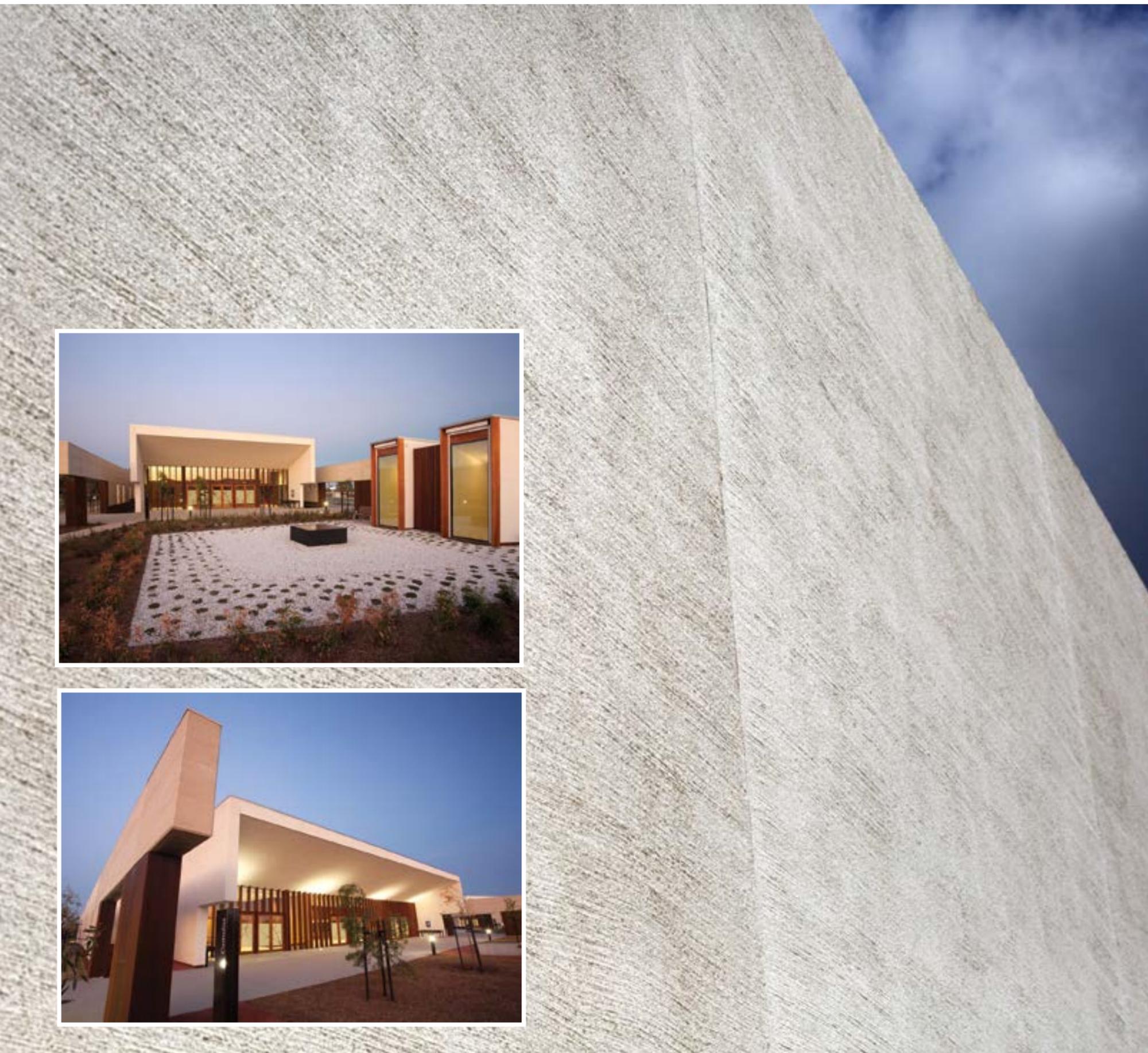
all buildings. Weathering steel is also a highlight of the project, this material creating a unique look and feel for the memorial park. This product has a distinctive patina, which results from protective surface oxidation and will develop over the years with its exposure to the atmosphere.

With offices across Australia, Hansen Yuncken has become known for innovative solutions to challenging problems and has built a solid reputation on their fair dealings and high quality client service.

Having extensive experience in a wide range of project delivery methods, Hansen Yuncken works in partnership with their clients to maximise successful project outcomes.

The Bunurong Memorial Park is no exception, and Hansen Yuncken will continue to positively contribute to enhancing the communities in which they work.

For more information contact Hansen Yuncken Pty Ltd, Level 3, 479 St Kilda Road, Melbourne VIC 3004, phone 03 9831 6500, fax 03 9889 8794, email melbourne@hansenyuncken.com.au, website www.hansenyuncken.com.au



Sto products have a worldwide reputation as being hard-wearing and resilient, and with the addition of Sto in Australia to their global network, projects around the country are now benefiting from the international experience of a global company. With the philosophy “Building with conscience” behind them, Sto has become a leading supplier of exterior façade systems and manufacturer of quality exterior and interior render façade systems and coatings worldwide. They are trusted as a leader in exterior and interior render façades, façades, repairs and restoration markets.

Sto Australia is still relatively new having been in operation for only two years, however their team is making inroads in the industry and is being utilised frequently on projects due to the unique properties of the Sto product.

Sto’s innovative products were perfect for the Bunurong Memorial Park Redevelopment project in Dandenong South, Victoria. Designed as a sustainable project, environmentally friendly products manufactured in Sto Germany maintain their quality standards and suit the Australian environment perfectly.

Sto Australia worked closely with Victorian contractor, Practica MMC, to supply and install 2500m² of StoTherm over masonry and 700m² of StoVentec with a bespoke Stolit K raked render finish over the exterior substrate.

Practica MMC welcomed this opportunity to blend its technical expertise with Sto’s innovative systems and building technology experience. “Sto’s premium systems are unlike any other in the Australian market,” says Brent Pointon, Practica MMC Technical Manager. “Valuable understanding of building envelope methodologies coupled with contracting firepower made this a success story with the end result exceeding all expectations.”

Used on the Customer Care Building, Service Centre and the Reflection Spaces (Chapels), StoVentec R is a ventilated rainscreen façade system that provides a seamless render finish. Comprising of lightweight sustainable flexible carrier boards fixed over an engineered adjustable aluminium sub-construction, StoVentec R is not limited in its façade design, making it ideal for designers and architects. The core element of StoVentec R is the carrier board produced in the innovative material expanded glass granulate. The recycled glass material has low thermal and hygric expansion, excellent weather resistance, is low weight and

has ecological purity, which makes it a popular product with an expanding market.

Thanks to the ventilation of the system, the substrate and optional insulation remain permanently dry, protected and functional, an outstanding feature in the façade market. The stable carrier boards provide an excellent base for reinforced Sto Renders, that can be matched to one of 800 colours in the Sto system, or to any colour specified. Due to the flexibility of render design options, the Bunurong Memorial Park was provided with a render system that was entirely unique to the project.

Other benefits of StoVentec R include exceptional acoustic properties, crack resistant properties and minimal control joints that result in a seamless monolithic building finish.

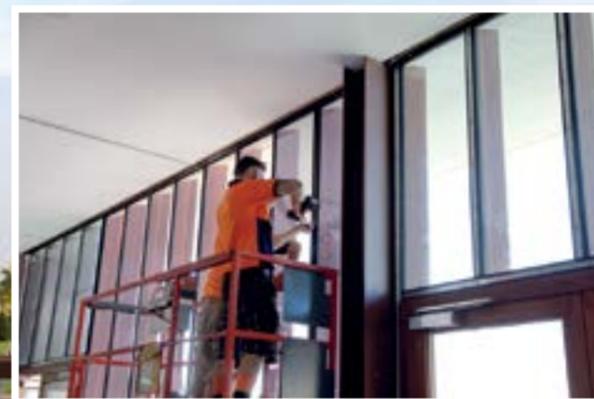
Another Sto product used on the buildings was the StoTherm Masonry Insulation System. This product is an exterior insulating and finishing system (EIFS) that provides insulation for energy-efficiency. The system has been designed with minimal thermal conductivity and no thermal bridging. Energy loss is cut dramatically by wrapping the building in a thermally resistant envelope utilising the thermal mass of the masonry substrate, which not only reduces energy bills but also CO₂ emissions.

One of the world’s most successful façade insulation systems, Sto developed the system with a focus on safety to withstand the elements achieving absolute system reliability and durability. Easy to cut, detail and assemble, it has a very high crack resistance, and is thermally modeled to avoid interstitial moisture.

Recently completed projects by Sto Australia include the University of Technology Sydney, Ryman Healthcare and the Wheeler Hill project in Melbourne. Another innovative product, StoSilent, is being utilised on 727 Collins Street in Melbourne and at Perth Airport and Jupiters Casino.

With a company history dating back from 1835, Sto products have the technological edge over other rendering systems. Their environmental properties, insulation abilities and streamlined finishes make them a product of choice in Australia and worldwide.

For more information contact STO at Stoanz Australia Ltd, 77 Mitchell Street, Marrickville NSW 2204, phone 02 9560 9589, fax 02 9572 6003, email info@stoau.com.au, website www.stoau.com.au



Established in 1988, Landmark Products have set the benchmark for quality and innovation through their extensive range of products for public open spaces that are known for their durability, quality and ease of maintenance. As Australia's leading supplier and installer of engineered kit form products, Landmark Products range includes park shelters, restrooms, pedestrian bridges, boardwalk structures and street furniture for urban and community spaces.

Currently working on the Bunurong Memorial Park redevelopment, Landmark is constructing one of the major features, a bridge over Peace Lake. The bridge, along with the Boardwalk, will be a major attraction at the Park, with thousands of visitors expected to cross it in the future.

The 121m x 2.5m kinked pedestrian bridge will consist of two pontoons and will provide a place where family and friends can gather and remember loved ones as well as serving as a place for reflection.

The bridge, that will be constructed of hardwood joists and decking, also has stainless steel horizontal wire under the mantles. All steel beams, posts and other steel framing is hot dipped to Australian

Standards and the mantles are fabricated using steel and coated in a high quality protective coating that will be brown in colour.

As all products are provided in kit form and produced in a factory prior to installation, this leads to a better finished result as well as ensuring fewer disturbances on site.

LED lighting will also be placed under the mantle on one side of the bridge, shining across the boardwalk to illuminate the decking. Specialised plaques will also be installed on the bridge where cremated remains can be placed.

Landmark Products are very proud of the exceptional service that they deliver on jobs time after time, with their specialist products providing a safe, cost effective and efficient solution.

For more information contact Landmark Products, 55-57 Kabi Circuit, Deception Bay QLD 4508, phone 07 3817 9444, email ssmith@landmarkpro.com.au, website www.landmarkpro.com.au

Bunurong Memorial Park is transforming, and a large part of this is due to the visually appealing thermal broken wall systems that are being utilised in this \$50 million redevelopment project. Western Commercial Windows, specialists in supplying and installing fabricated aluminium windows and RAICO THERM+ timber and aluminium thermally broken curtain wall systems, ensured that the right design elements were included for this special project.

With their team of seven all involved in the project, Western Commercial Windows used their expertise to create design drawings for each of the six buildings they were contracted to fit out. With each of the buildings serving a different purpose, it was essential to have unique designs for each to ensure their needs were accurately catered for.

Several hours were spent setting out each curtain wall in the individual buildings to ensure they could be fabricated as per the architectural drawings and specifications. Due to the design differences, each building also required varying methods of installation and glazing, as well as different timber mullions and transoms.

Challenges also arose regarding the fabrication of the curtain wall in Chapel 3. The curtain wall in this instance curved in two separate

directions, yet Western Commercial Windows used their expertise to overcome this with an outstanding end result.

Using the RAICO THERM+ products on this project, Western Commercial Windows were able to provide a visually appealing finish in addition to providing a viable and economic solution that fit in with the developers' needs. The products thermally insulated properties along with burglary resistance properties made it ideal for the Bunurong Memorial Park landscape.

Western Commercial Windows continue to use their vision to work on projects throughout Victoria and New South Wales, their experience in the fabrication and installation of thermally broken curtain wall systems being second to none.

For more information contact Western Commercial Windows, 222 Calarco Drive, Derrimut VIC 3030, phone 03 9394 1971, fax 03 9794 6522, email michael@westerncommercialwindows.com.au



Bunurong Memorial Park, VIC



Bunurong Memorial Park is undergoing a transformation with the proficiency of Sheer Construction Pty Ltd playing a very important part. Under the leadership of Bill Sheerer, Sheer Construction specialises in the installation of concrete precast panels, and it is this skill and experience that their team took to Bunurong Memorial Park.

Established in 1995 and with a wealth of knowledge behind them, Sheer Construction utilised eight of their ten member team to install the concrete precast panels, which were manufactured off site, on all of the buildings in the first stage of the project.

Sheer Construction manoeuvred the precast panels and put them in place. This formed the base of the buildings and shaped the first stage of the memorial park. Included in their scope of works were the administration and function buildings, two chapels and the funeral services centre with multi faith rooms.

In addition, they installed the precast panels for the memorial bridge that will see hundreds of people visit to remember their loved ones. Bunurong Memorial Park is taking shape to become a community gathering place, and is expected to attract thousands of visitors to its beautiful new grounds.

Sheer Construction have been instrumental in forming solid foundations for the Bunurong Memorial Park, that will cater for Melbourne's needs for the next 70 years.

Sheer Construction Pty Ltd are at the top of their game when it comes to installing concrete precast panels, taking pride in each and every job that they are involved in. Experts in the industry, Sheer Construction are also working on other projects in Victoria that include the Peninsula Private Hospital in Langwarrin, as well as Chadstone Shopping Centre and CSL Broadmeadows.

For more information contact Sheer Construction Pty Ltd, 11 Colwyn Close, Langwarrin VIC 3910, mobile 0417 107 303, email lshe2778@bigpond.net.au