



# Allen Jack + Cottier 50 Years

## New Associates

Two new Associates at AJ+C, Kate Mountstephens (left) and Nicola Middleton. Kate joined AJ+C in 1998, after working for the Sydney Cove Authority. She is the driving force of our Conservation Section, and winner of the National Association of Women In Construction 2001 Award for Achievement in Design. Nicola has worked with AJ+C since 1994, on a wide variety of projects.

She won the National Association of Women In Construction 2002 Award for Achievement in Design, and has recently moved to AJ+C's new Brisbane office.



Photo by Nic Bailey

## Quay Point

Quay Point is a development of 48 apartments located on the promontory of Pyrmont Point with extensive harbour views. The apartment blocks front Point Street to the east, Herbert Street to the south and west and Giba Park to the north. The overall building envelopes and heights were set by the City West Development Corporation (now SHFA). AJ+C initially won a limited competition by City West in 1996 and were later approached by the developer for the further design, development, documentation and partial construction services.



Photo by Simon Kenny

## Chowder Bay

The Submarine Mining Depot at Chowder Bay was completed in 1892. It was built by the Submarine Mining Corps which maintained an electrically triggered minefield within Sydney Harbour as a defence against enemy ships. In 2001, AJ+C started working with the Harbour Trust to conserve the Depot and adapt it to suit future maritime oriented uses that will contribute to the public enjoyment of this picturesque harbourside location.

The building sits on two sandstone tiers which were heavily excavated from the surrounding headland. The lowest tier forms the base for four sandstone mine stores, while the two-storey timber building on the upper tier was originally used for workshops, storerooms and lecture rooms.

The project brief was to preserve and repair fabric, design contemporary kitchen and bathroom fitouts and develop public safety and fire protection systems to increase the building's compliance with the BCA while minimising damage to significant fabric. The Depot's final uses have not yet been determined so a degree of flexibility also had to be incorporated into the building's services and planning.

aj+c team: Keith Cottier, Kate Mountstephens, Richard Sillink



## 1st Castles in the Sand

Allen Jack + Cottier were invited by the Cure Cancer Foundation to participate in their Castles in the Sand competition in January on Palm Beach. The invitation involves a substantial donation to the Foundation, and in return a competition entry, open-sided pagoda tent and 2m<sup>3</sup> of bricks sand with which to build a sandcastle. Other competitors included Multiplex, Backyard Blitz, Australand, Crone Nation Architects, Macquarie Bank and Emirates. Selecting the theme "Landmarks of the World" our team, dressed in AJ+C togas, armed with shovels, carving implements and buckets, built a 2.5m long, 750mm high Roman Colosseum, winning the competition.

aj+c team: Keith Cottier, Peter Ireland, Nic Bailey, Hugo Cottier, Jane Johnson, Ben List, Nicola Middleton, Kate Mountstephens, Richard Terry, Andrew Ward.



## 1952-1965 formative years

Robin House - photography by Arthur Cratchley

# Allen Jack + Cottier

Coinciding with AJ+C's 50<sup>th</sup> year, a new book on the work of the company has been written by Trevor Howells and published by Focus Publishing.

# 1952 - 2002



## 1965-1975 new blood

Rothbury Estate Winery - photography by Sharrin Rees



## 1975-1986 growing reputation

Circular Quay Station & Wharf Upgrade - photography by John Gallings



## 1986-2002 maturity

Moore Park Gardens - photography by Tim Linkins



Trevor Howells' book will be launched by Glenn Murcutt, 2002 Laureate of the Pritzker Architecture Prize, on May 1 2003, at Redleaf, Woollahra Council Chambers.

The book will be available from leading bookshops, RRP \$95.00.



Rendered Elevation by AJ+C Graphics

# Kelvin Grove Urban Village

Successful villages emerge naturally from a cooperative community, not by external edict. We have sought to focus on the creation of a community . . . having all the elements and characteristics of a true village centre . . . not just a residential development

The Kelvin Grove Urban Village is a major new project being undertaken by Housing Queensland and Queensland University of Technology, being created on a 17ha site only 2km from the Brisbane city centre. The development will combine educational and creative industries, with residential, retail and recreational facilities to create a modern village. The \$38M civil works and infrastructure programme, including roads, all services and IT capacity are currently under construction.

Lot 14 is the first site within the Village to be offered for public tender. The Walker Corporation were successful in securing the site with the aid of Allen Jack + Cottier's designers, submitting a design proposal for the Village Centre site that satisfied the KGV Design Panel's stringent ESD and Urban Design requirements. A major focus of the Department and University is the social, economic and environmental sustainability of the project. Allen Jack + Cottier were able to demonstrate a genuine understanding of the

complex issues and provide innovative solutions in a very short design period.

Located at the heart of the Village, Lot 14 will provide the principle concentration of commercial activities in the local area, incorporating a strong retail element that includes a 2500m<sup>2</sup> supermarket and "Main Street" shops and cafes. Nearly 200 apartments will also be provided, which will set a benchmark for the residential component of the remaining sites.

The proposal provides a diverse mix of dwelling types, from 1 bedroom to 3 bedroom apartments, in single level, 2 storey and loft style configurations. Many will allow dual key access, especially suited to student housing, or can be used for home offices.

The submitted proposal includes many features to reduce energy consumption, including:

- External fixed shading devices and adjustable shading.

- Screened secondary balconies for external clothes drying.
- Naturally ventilated bathrooms and laundries to 30% of apartments.
- Reverse masonry veneer construction, reducing heat gain and insulating against heat loss.
- Automated control of carpark exhaust fans (carbon monoxide monitoring).
- Centralised gas water heating.
- Heat exchange to provide hot water to retail using airconditioning.
- Integrated Photovoltaic cells powering all common areas.
- Lighting, including the use of natural and high efficiency light sources.
- Gas for cooking and space heating.
- Automated natural ventilation / air-con to retail and commercial spaces.

Good orientation and cross-ventilation will virtually eliminate the need for heating and cooling in Brisbane's generally benign climate, and a comprehensive water management scheme is proposed, capable of achieving stormwater treatment to EPA tertiary standard and meeting on-site detention requirements, while, compared to normal urban development, a significant saving in potable water supply is to be achieved through recycling and efficiency measures.

Final negotiations between Walker Corporation and Housing Queensland are currently underway.

The project is being undertaken by Allen Jack + Cottier's recently established Brisbane office.

client: Walker Corporation  
 aj+c team: Peter Stronach, Colin Janes, Nic Bailey, Ben List, Jennifer Min  
 consultants: Place, TTM, Ipac, WTPartnership



Photos by Tony Spragg

# Sydney University Village

Sydney University Village provides a variety of accommodation for 650 students with associated study, learning, recreational, dining and retail facilities for use by students and the public. The project was won in competition by a consortium including Multiplex and Tuscan, who will manage the Village for 40 years, then it will revert to the University of Sydney.

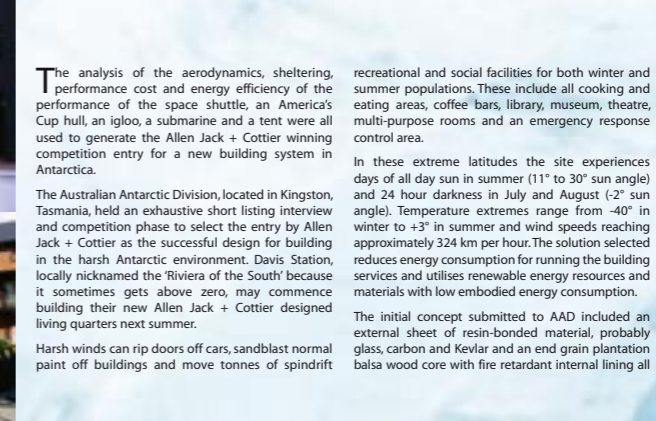
There are 10 buildings on the 1.48 hectare site which is bounded by busy roads to the north and west (Carillon Avenue and Missenden Road), a quiet residential street to the south (Campbell Street) and an historic primary school to the east. The two precast concrete buildings, Blocks 1 and 2, are the tallest buildings on the site, designed in a hotel-style having tavern, dining and other facilities at low level. These two buildings can be utilised during non-semester and student holidays as a hotel or conference centre.

Tight construction and future maintenance costs were a crucial factor in the project and the buildings are relatively simple in form. However, varied building construction types have been used to relate to adjacent development and to avoid the negative impact that often results from developments with a large number of small repetitive rooms.

A Village Green is the focus of the site planning; all buildings are visible from this space and all circulation routes are overlooked by apartments to ensure a high level of security. The site will also be a conduit for students walking from the University to King Street and pedestrian through traffic has been encouraged. A hierarchy of public spaces, circulation routes and private courtyards link the buildings, with car parking located peripheral to these areas and landscaping a major aspect of the development. On Carillon Avenue, existing tall poplar trees have been retained and are dramatically lit at night, while the main courtyard contains jacarandas, which are almost an emblem of the University. East-west lines of deciduous trees have been planted for summer shade and solar access in winter, with eucalyptus planted on the site perimeter.

aj+c team: Peter Stronach, John Suprun, Tony Spragg, Halina Bradford, Mark Corbett, Sean Jones, Ben List, Kathryn Lossby, Sue Melrose, Nicola Middleton, Paul Owen, Laura Robinson, Michael Rogers, Rod Simpson, Alena Smith, Lisa Trevisan and David Whitfield  
 builder: Multiplex Constructions (NSW) Pty Ltd

other consultants: Bruechle, Gilchrist & Evans Pty Ltd, Jeff Mouldedale & Associates, Simpson Kotzman Pty Ltd, Harris Page & Associates Pty Ltd, Site Image Landscape Architects



The analysis of the aerodynamics, sheltering, performance cost and energy efficiency of the performance of the space shuttle, an America's Cup hull, an igloo, a submarine and a tent were all used to generate the Allen Jack + Cottier winning competition entry for a new building system in Antarctica.

The Australian Antarctic Division, located in Kingston, Tasmania, held an exhaustive short listing interview and competition phase to select the entry by Allen Jack + Cottier as the successful design for building in the harsh Antarctic environment. Davis Station, locally nicknamed the 'Riviera of the South' because it sometimes gets above zero, may commence building their new Allen Jack + Cottier designed living quarters next summer.

Harsh winds can rip doors off cars, sandblast normal paint off buildings and move tonnes of spindrift

recreational and social facilities for both winter and summer populations. These include all cooking and eating areas, coffee bars, library, museum, theatre, multi-purpose rooms and an emergency response control area.

In these extreme latitudes the site experiences days of all day sun in summer (11° to 30° sun angle) and 24 hour darkness in July and August (-2° sun angle). Temperature extremes range from -40° in winter to +3° in summer and wind speeds reaching approximately 324 km per hour. The solution selected reduces energy consumption for running the building services and utilises renewable energy resources and materials with low embodied energy consumption.

The initial concept submitted to AAD included an external sheet of resin-bonded material, probably glass, carbon and Kevlar and an end grain plantation balsa wood core with fire retardant internal lining all

# Antarctica Davis Station

over night.

Construction methodologies providing quick and simple options to lock-up were essential. All materials would need to be shipped to the Davis Station in summer and erected before the thermometer and the sun began to plummet for the cold winter.

The new building will provide kitchen, dining, indoor

cured in the largest oven in the southern hemisphere.

It was proposed that the surfaces and insulation are layered up over a cambered mould and then vacuum sealed and baked to form a slim skin which, not only proves most of the thermal and acoustic insulation, but the compressive and tensile strength required to carry the entire structural loads.



aj+c team: Michael Heenan, Nicola Middleton, Fergus Compston, Peter Stronach, Ben List, Jennifer Min, Nicola Middleton, Neriida Bohringer  
 Competition



# Brisbane Office

In addition to our existing Kuala Lumpur office, this summer Allen Jack + Cottier established a long-overdue presence in Queensland with the opening of its Brisbane office. Located in the Old Mineral House at the gardens end of the CBD the office is well-placed to serve clients in Brisbane, the Gold Coast and beyond, with current projects including sites at Kelvin Grove, The Gap and even Antarctica.

The office is managed by Associate Director Colin Janes and Associate Nicola Middleton who, having between them over 25 years of experience with AJ+C, carry with them the company's ethos and commitment to high quality and sustainable design. Their broad range of experience includes a number of commercially successful and award-winning projects, ranging from homes and high-rise mixed-use developments to interiors, health and public buildings, urban design and masterplanning. Local staff and local knowledge complete the team, adding graphic skills and retail experience.

High-speed Internet links to Sydney allow us to offer the same wide range of professional services, specialist skills and support available to AJ+C clients wherever they are located.