



HITTING THE BOOKS

DEVELOPER : St Augustine's College - Sydney
MAIN CONSTRUCTION COMPANY : Novati Constructions
ARCHITECT : FJMT Studio
STRUCTURAL ENGINEER : Webber Design
CONSTRUCTION VALUE : \$18 million

The refurbishment of the St Augustine's College involved two stages. The first saw the redevelopment of the Brimson Centre into a new TAS (Technology and Applied Studies) design and technology facility, and Stage 2 involved a major extension to the Goold and Lecceto Wings to transform the buildings into a large hub of general and specialist teaching spaces and a new 'vertically distributed' library.

Novati Constructions has been building quality projects since 1971 and is operating under their original building licence issued to founder Peter Novati. The company specialises in new construction, refurbishment and heritage restoration across the greater Sydney area in the commercial, educational, residential, aged care, industrial, institutional and student accommodation sectors.

Novati Constructions was awarded the contract to undertake all construction works at St Augustine's College at Brookvale on Sydney's Northern Beaches. Stage One of the project, involved a redevelopment of the school's library space in the existing Brimson Centre into a new Technology and Applied Studies design and technology facility involving a major footprint extension. Stage Two involved the redevelopment and extension of two existing buildings in the Goold and Lecceto wings into a large hub of general and specialist teaching spaces. The extension also allowed for the integration of a new 'vertically distributed' library, spanning areas across all levels.

St Augustine's College approached the Two Stage development with a brief to provide learning environments that promote a shift toward flexible learning through the provision of varied student experiences and activities, which are integrated into the College's core educational model. The design by architects FJMT Studio was finalised after numerous staff engagement sessions to establish an understanding of the College's educational model and aspirations for new learning environments, especially in an era of development and experimentation in the design of educational spaces.

The new facilities constructed by Novati provide an increased number of open project spaces that adjoin two large shared machine rooms for woodworking and design, including laser cutters and 3D printers.

FJMT aimed to provide flexibility while working within strict safety parameters for the equipment. Adjoining spaces are generally open

and connected, encouraging team teaching across classes and sharing of ideas and work. All project spaces overflow directly to outdoor space, supporting project activities, including a covered pergola and BBQ area.

As the College retains a strong tradition of instructional teaching, it was critical to the redevelopment that core classroom spaces were provided as a base. However, the revitalised amenity of these spaces to provide abundant natural light and connection to breakout spaces supports a redefinition of core learning at the College.

There are also a variety of new spaces for the College that encourage collaborative and student-led learning. Physically, this translates into the provision of diverse environments, sized to suit small and large group learning with a range of settings, including meeting areas, group booth seating and relaxed breakout areas equipped with writable surfaces and power to support flexible learning methods and technology.

The changes to the school library were a project highlight. Instead of being an autonomous area that class groups and individuals would visit when required, the library is now spread throughout all levels of the building to provide more integrated support in the various learning centres.



A significant challenge for the Novati team was to create minimal impact on student day to day activities. This involved programming potential high impact construction activities in school holidays and out of school hours. Movement of materials and supplies also had to be coordinated to ensure all safety standards were observed to protect students, staff, visitors to the school and all onsite staff.

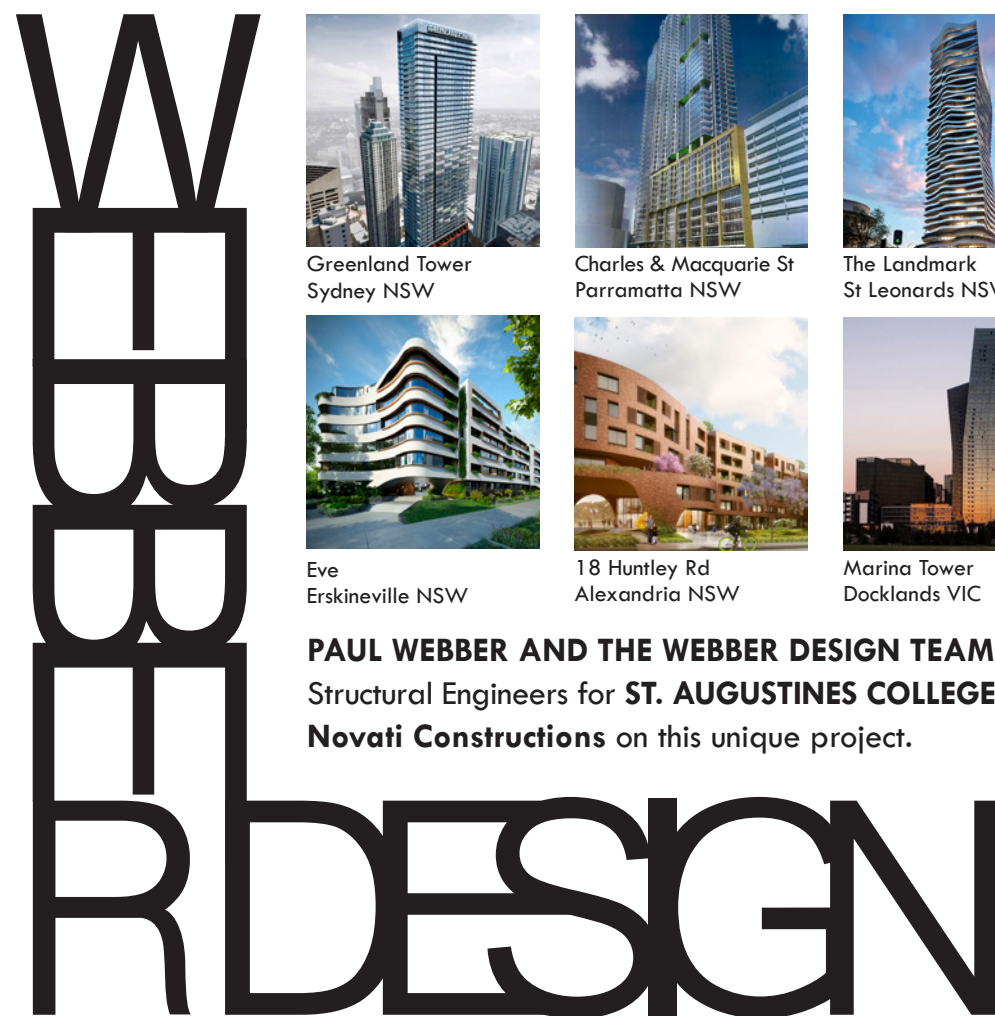
Novati Constructions has a focus on building long term relationships with clients, consultants and subcontractors. This played an important part of this project where critical time path organisation was needed. Novati has a substantial client portfolio and enjoys significant repeat business from their clients who recognise the professionalism and commitment to quality delivered by the Novati team.



For more information contact Novati Constructions, Level 1, 99 Alexander Street, Crows Nest NSW 2065, phone 02 8436 9000, email info@novati.com.au, website www.novati.com.au



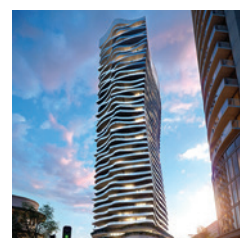
Below Baines Masonry supplied 10,000 blocks with at least one polished face to the Brimston Centre rebuild and extension.



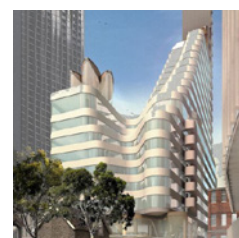
Greenland Tower
Sydney NSW



Charles & Macquarie St
Parramatta NSW



The Landmark
St Leonards NSW



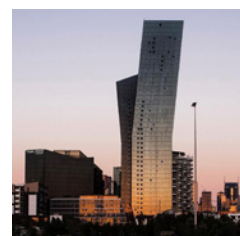
Bennetts Lane
Melbourne VIC



Eve
Erskineville NSW



18 Huntley Rd
Alexandria NSW



Marina Tower
Docklands VIC



353 Clovelly Rd
Clovelly NSW

PAUL WEBBER AND THE WEBBER DESIGN TEAM

Structural Engineers for **ST. AUGUSTINES COLLEGE** would like to congratulate **Novati Constructions** on this unique project.

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STRUCTURAL ENGINEERING

Baines Masonry is an award-winning manufacturer of an extensive range of concrete masonry blocks, supplying the building industry across metropolitan Sydney and regional New South Wales. A family owned company with a team of 28 people based at Appin south of Sydney, Baines Masonry recently completed the commissioning of a new state-of-the-art plant which will cater to architects' requests for more specialised masonry.

Selected to provide masonry blocks for the Brimston Centre rebuild and extension at St Augustine's College at Brookvale in Sydney, Baines Masonry supplied 10,000 blocks totalling 100 tonnes to the project. "90% of the blocks were required to be polished on one face and the balance had to be polished on one face and one end. Two different sizes were supplied. The coloured and polished blocks were selected in 'Appin Stone' by the client and were used on internal walls," said Tim McGoldrick, Sales and Marketing Manager.

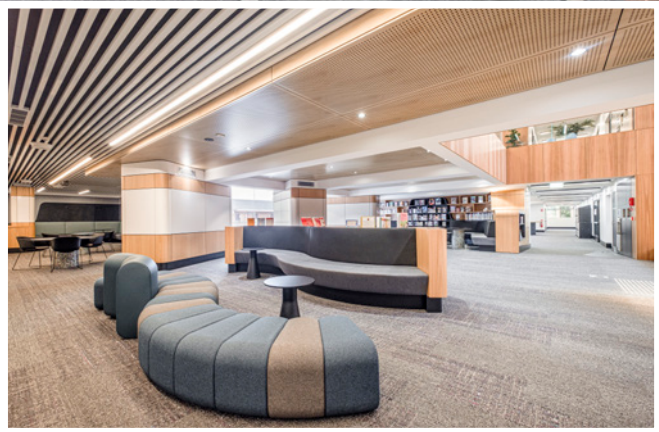
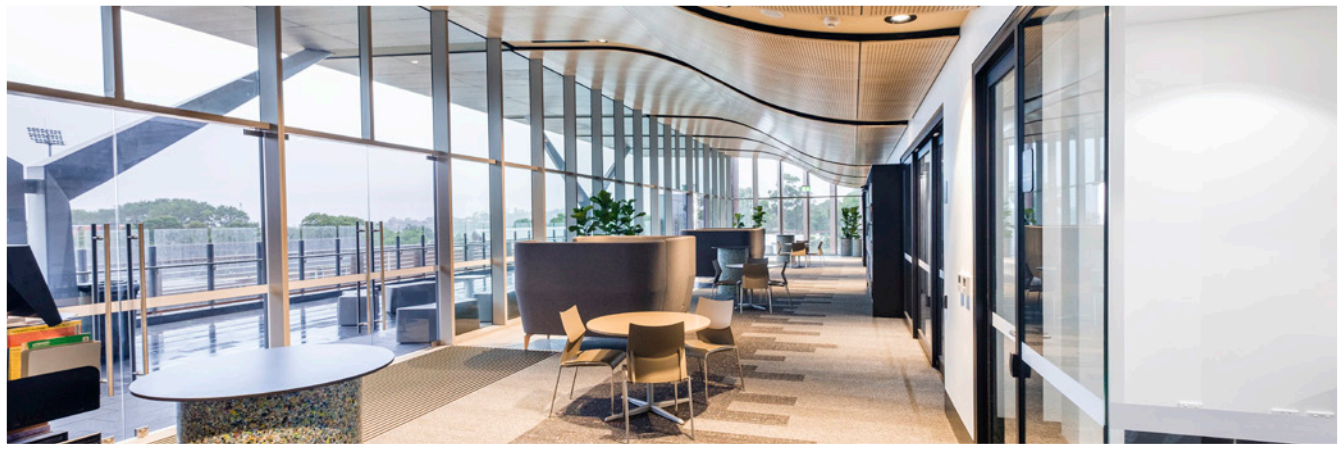
The main challenge was to manufacture and deliver the large order in a timely manner to meet the building schedule. From order to delivery takes approximately eight weeks when polished blocks are involved. Once manufactured, blocks are stored for six weeks before polishing can commence. Delivery then takes place over one week.

By any measure, Baines Masonry offers an impressive selection of products. The team will also custom design and manufacture blocks to the specific requirements of builders and architects, as they did in the case of the St Augustine's College project. "Our team is also constantly developing different finishes, one example being StoneFace™ which has a reconstituted stone face finish," Tim said.

Baines Masonry's awards include the 2019 Masonry Contractors of Australia Excellence in Brick and Block Awards for Face Block work for their honed opal white block provided to the Covenant Christian School, Belrose. In 2018 they won a similar award for blocks used at the William Inglis Hotel and Riverside Stables.

For more information contact Baines Masonry, 900 Wilton Road, Appin NSW 2560, phone 02 4631 1383, fax 02 4631 1402, email info@bainesmasonry.com.au, website www.bainesmasonry.com.au

Below Better Electrical carried out all electrical and related work which included fibre, data, audio and visual, security and fire.



Below Epic interiors installed Supawood perforated ceilings with both curved and flat sections, in addition to Instyle acoustic baffle ceilings and wall panels.

Quality workmanship, unrivalled service and competitive pricing are the trademarks of Better Electrical. Covering the greater Sydney area, Better Electrical provides a comprehensive range of services across all electrical, data and communications requirements to the highest professional and safety standards.

Selected to undertake the electrical contract for the refurbishment to the Brimson Centre plus the building work and fitout to the Goold & Lecceto building at St Augustine’s College in Brookvale. Better Electrical carried out all electrical and related work which included fibre, structured data, audio/visual, security, fire, lighting control systems and all power cabling.

Better Electrical Founder and Managing Director, Bill Pejovski said that the contract required a dynamic system design approach as there were a number of unexpected challenges which included building features not identified in the tender documents and last minute design changes.

“By consulting closely with the builder and architects and maintaining clear lines of communication, we successfully worked through all the issues that arose,” explained Bill. Better Electrical assigned 10 of their total staff of 25 to the project at St Augustine’s College.

Founded in 2006, Better Electrical prides themselves on delivering exceptional workmanship and paying detailed attention to the exact requirements of their clients. All Better Electrical’s staff are fully licensed to industry standards and receive continuous training in all aspects of electrical work, including new products and regulations in the industry. “We also give priority to safety standards, ensuring our clients and staff are guaranteed a safe environment,” said Bill.

Better Electrical’s commitment to precise workmanship, unequalled customer service, safety standards and staff development has seen the company achieve their vision of growth in every sector of the electrical industry, from household service to large commercial and residential developments.

Current projects being undertaken by Better Electrical include the Altessa Apartments at 888 Pacific Highway, Gordon and 18 At Chatswood apartments for Novati Constructions.

For more information contact Better Electrical, PO Box 370, Panania NSW 2213, phone 1300 023 883, email info@betterelec.com.au, website www.betterelec.com.au

Epic Interiors has grown their interior fitout business to become one of the leading companies in their field. Operating in the greater Sydney area, Epic interior’s expertise extends to work in major shopping centres, office fitouts and external cladding and were picked as the company of choice to undertake the refurbishment and extension of the Brimson Centre at St Augustine’s College.

“We installed a Supawood perforated feature ceiling involving both curved and flat sections. We also installed 3mm aluminium ceiling panels with a wood grain decorative print to achieve a Group 1 fire rating,” said Sam Galluzzo, Founder of Epic Interiors. In some areas, Instyle acoustic baffle ceilings and wall panels were employed to achieve sound absorption. Epic Interior’s other work included perforated plasterboard ceilings and plasterboard partition walls.

Epic Interior’s dedicated team varied between 19-25 members work, depending on the work and schedule. “There were some challenging lead times that we had to meet, including sourcing and delivery of materials,” Sam said. “From time to time there were adjustments onsite to the architectural which we had to accommodate. By consistently communicating and consulting with the builder, Novati Constructions, we were able to meet all requirements.”

Founded in 1992, Epic Interiors operates from modern premises in Gladesville and now has 72 highly trained employees. As one of the top 10 companies in their sector, the company is focused on always delivering a quality job on time and on budget.

Epic Interiors recently completed work in shopping centres at Top Ryde, Narellan, Willowdale and Gregory Hills. The newly refurbished David Jones flagship store in Sydney saw Epic Interiors provide cladding on the escalators and other works in the atrium.



For more information contact Epic Interiors, Unit 11, 41 Higginbotham Road, Gladesville NSW 2111, phone 02 9809 1811, email info@epicinteriors.com.au



St Augustine's College, New South Wales

Below Austrite designed and installed a range of ducted air conditioning and ventilation systems to service the extension and refurbishment of the Brimson Centre.



Excellence and integrity are the hallmarks of Austrite Industries, a Sydney based company specialising in air conditioning and mechanical services for high rise residential, commercial, industrial and education developments. Austrite industries were selected to provide air conditioning and ventilation systems in the building extension and refurbishment of the Brimson Centre at St Augustine’s College.

This was a major project creating a new technology and applied studies facility, plus a major extension and an additional storey to existing wings, creating a large hub of general and specialist teaching spaces, including art and music. There was also the integration of a new ‘vertically distributed’ library spanning areas across all levels. Co-founder of Austrite Industries and Project Director on the College development, David Capraro, said that Austrite designed and installed a range of ducted systems including commercial grade Mitsubishi Electric split systems linked to a large outdoor unit. In some areas, where space was limited, bulkhead air conditioners were installed. “These are highly effective and are very quiet in operation which perfectly suits the classroom environment.”

General ventilation across the refurbishment of the campus was also part of the brief. “We used our experienced team including our

mechanical engineer to conceptualise and design an efficient and effective system which had to meet the challenge of spatial restraints in the existing building, said David. “The limited spacing for outdoor units meant the most effective solution was to use a series of VRV condensing units.”

“We had eight of our team of 20 people engaged in the project across design and installation to ensure efficient service and quality workmanship,” said Fellow Co-owner and Sales Director, Tony Sidis.

Austrite Industries have been in business continuously since the year 2000 and have successfully designed, installed and maintained HVAC systems in many projects in the Sydney area. David and Tony have over 60 years experience combined in the industry, which is transparent in each of their completed projects. They are currently working on the Manly Civic Club redevelopment which will include 38 apartments and a revamped licensed Civic Club on the ground floor. Austrite are also working on several multi-level apartments across Sydney.

For more information contact Austrite Industries, phone 02 9533 5539, fax 02 9534 5565, email info@austriteindustries.com.au, website www.austriteindustries.com.au

Firmtech Aluminium’s expertise is in the manufacture and installation of high quality façades for both residential apartments and commercial properties. With many successful projects already accomplished, Firmtech Aluminium has earned a well deserved reputation for the professional design, supply and installation of all aluminium glazing products, extending to façade and curtain wall systems, louvres and balustrades.

Selected to work on the Brimson Centre refurbishment and redevelopment at St Augustine’s College, Firmtech Aluminium supplied and installed over 2,000m² of external glazing and curtain wall. “Our curtain wall has been developed to provide a robust and flexible solution for small to mid-sized curtain wall projects, up to a nominal 30-storeys high. However it can also be utilised on larger projects depending upon wind loads,” said Jiamin Zhang, Co-Founder and Managing Director. The scale of the project required 15 of Firmtech’s 45 strong team to be allocated to the design, manufacture, delivery and final installation of the windows and curtain wall.

Firmtech Aluminium has two factories, one being at Revesby in south western Sydney where the fabrication and assembly of the component parts for St Augustine’s College took place.

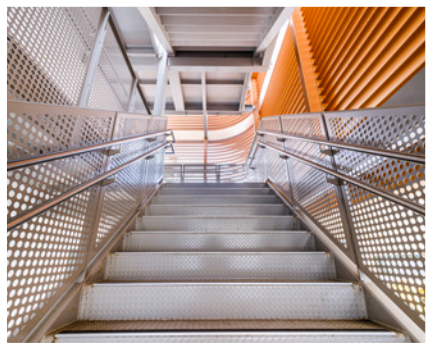
The wide range of Firmtech’s products mean that any internal or external glazing requirement can be met cost effectively, with high performance and impressive aesthetics. Specialty products include double glazed framing and glazing, louvre systems for residential or commercial use and custom designed balustrades. Firmtech’s fully trained installers ensure that all products are professionally fitted to the highest standards.

Current projects include 17-storeys high-end apartments and hotel for Parkview at Bondi Junction, and 18-storeys Luxury Apartments for Modco at Wollongong CBD.

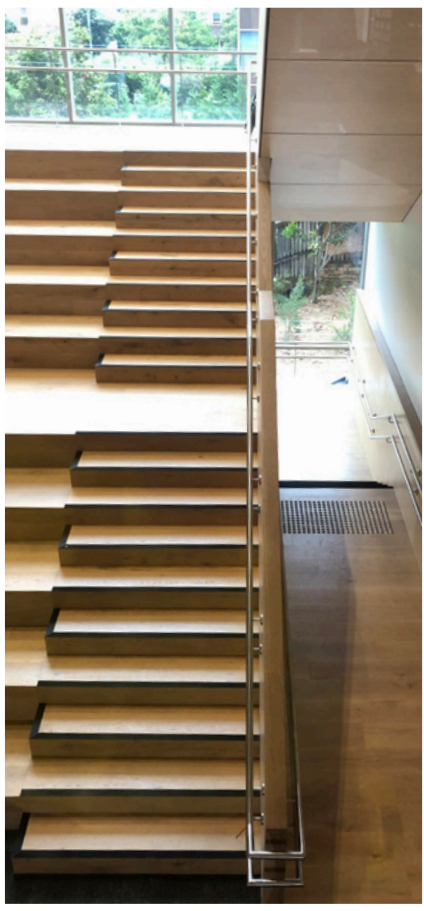
“Firmtech Aluminium can meet the needs of any project, from residential homes to high rise apartment blocks and commercial offices,” said Yan Xie, Co-Founder of Firmtech. “Our objective is always to meet the needs of our clients, delivering with maximum satisfaction.”

For more information contact Firmtech Aluminium, 6 Marigold Street, Revesby NSW 2212, phone 0422 889 685, email firmtechaluminium@gmail.com, website www.firmtechaluminium.com.au

Below Steel Fabrication Services designed, manufactured and installed approximately 43.53 tonnes of steel products throughout the school.



Below Silver Trading Timber Flooring supplied and installed timber flooring seating requirements and treads for the atrium stairs.



Steel Fabrication Services is a highly accomplished steel contractor delivering comprehensive and cost effective steel fabrication solutions to the commercial, residential, industrial and retail sectors in Sydney and throughout regional New South Wales. Steel Fabrication Services provided St Augustine’s College with the requisite steel fabrication solutions for the refurbishment and extension of the Brimson Centre at the school.

Managing Director, Michael Simos said his company designed, manufactured and installed steel for shelf angles, lower and upper internal atrium stairs, fire separation angles, main entry beam, Level 2 spandrels, external fire stair, west spandrel louvre supports and a shade structure in the BBQ area.

The shelf angles provided structural strength to the building and some were part of the architectural integrity and visible as they formed part of the building’s fascia, but most were concealed within internal walls and not visible once the building was complete. Most of the steelwork on this project is concealed within the building finishes, but the external fire stair was exposed and required special design and manufacturing considerations to eliminate corrosion from rusting in a salt water environment.

A total of 43.53 tonnes of steel supplied to this project requiring different surface treatments, including a project specific Dulux three coat High Build Recoatable Polyurethane system for the external fire stairs. “It was a challenging assignment as it had a high level of architectural design throughout, but with a combination of sound design, careful planning and good communication with the architect, engineer and builder we were able to deliver all requirements in a timely manner and meet the specifications with top quality steel products.”

As with all work carried out by Steel Fabrication Services, quality was paramount on the project. All work was rigorously inspected before and after fabrication in the company’s factory and after installation. Senior Estimator and Project Manager, Paul Dinsdale resolved any major architectural and engineering design issues, using practical steel manufacturing and installation solutions. Providing strict adherence to ‘old school’ drawing, fabrication and management procedures, enables Steel Fabrication Services to eliminate substandard workshop drawings which cause escalating manufacturing costs and onsite installation problems.

For more information contact Steel Fabrication Services, 49-51 Mitchell Road, Brookvale NSW 2100, phone 1800 551 296, email sales@steelfabricationservices.com.au, website www.steelfabservices.com.au

Silver Trading Timber Flooring supplies and installs a comprehensive range of flooring including all the major brands in Australia. With literally hundreds of materials, products, colours and styles from which to select, Silver Trading Timber Flooring specialises in assisting clients to choose the perfect flooring to suit their budgets.

Selected to provide timber products for the Brimson Centre refurbishment and extension at St Augustine’s College, Silver Trading supplied and installed timber flooring in the help desk area, seating requirements and treads for the atrium stairs.

Silver Trading’s Managing Director, Patrick Yu said that a team of three employees completed the job in three weeks. “The stairs were particularly challenging, requiring an innovative approach to the joinery to meet the design requirements for both the joints and finishes.”

Timber used for the flooring was sourced from overseas but all other items were purchased from local suppliers. Through their extensive local and overseas contacts, Silver Trading is able to supply hardwood, Euro Oak, high quality laminate and bamboo flooring plus a wide range of vinyl flooring.

Patrick took over the business in 2014, now employing eight full time staff and 20 subcontractors. “Our business has grown through word of mouth recommendations,” Patrick said. “Quality matters to our customers and we ensure the best products are supplied, with professional installation to guarantee satisfaction. A 20-25 year structural warranty covering warping or twisting of any board is provided on most timber flooring products.”

As a one-stop-shop for all flooring needs, Silver Trading has the capacity to service the requirements of individual residential customers right through to major commercial and high rise residential projects. The company has been involved in a number of major developments including the Burwood Grand mixed use development and One The Waterfront at Wentworth Point.

For more information contact Silver Trading Timber Flooring, 4/7 Stubbs Street, Auburn NSW 2144, phone 02 9648 2826, email info@silvertimberflooring.com.au