GREAT START HERE





Contents

SHOWCASE INTRODUCTION AND ALTUS FABRICATORS	4
TAKING APARTMENT LIVING TO A NEW LEVEL Milford 110 Apartments	6
INNOVATIVE ANGLES THAT UPLIFT THE SOUL Cashmere House	10
SIMPLE NEEDS, LAVISHLY MET The Hotel Britomart	14
KEEPING COSY WITH EXPANSIVE VIEWS Alpine Terrace Retreat	18
CREATING A COHESIVE SPACE WHERE LEARNING COMES NATURALLY Saint Kentigern Girls' Primary School	22
REFLECTING THE NATURAL BEAUTY OF KIWI COASTLINES Driftwood Home	26
GLAZING HELPS RELATE NGĀTI WHAKAUE NARRATIVE Wai Ariki Hot Springs and Spa	30
WORKING WITH ARCHITECTS TO ACHIEVE AMAZING	34
WINDOW AND DOOR SYSTEMS INTRODUCTION	36
THERMALLY BROKEN SYSTEMS	38
RESIDENTIAL SYSTEM	39
BALTIC™ COMMERCIAL SYSTEMS	40
UNIQUE PRODUCT FEATURES	42
PROJECT CHECKLIST	44
DOWNLOADABLE CAD FILES	46



See more of our showcase projects here

0800 DES1GN (0800 337 146) architectural@altus.co.nz

Welcome to the Altus Look Book

HERE YOU'LL FIND INSPIRING EXAMPLES OF SPACES WHERE PEOPLE LIVE, WORK, LEARN AND HEAL.

You'll visit premium apartments, private schools, high-end tourist resorts and a range of stunning homes across the country.

We've also included an overview of the Altus range of window and door systems and examples of how they've been specified by architects to make these spaces so special.



Access our
Environmental
Product Declaration
here





Showcasing spaces that push boundaries

THE RANGE OF PROJECTS
ON THE FOLLOWING PAGES
DEMONSTRATE HOW
WINDOWS AND DOORS ARE
INTRINSICALLY LINKED TO THE
FUNCTION AND AESTHETICS
OF A BUILDING.

They also provide insights into how the Altus Architectural and Technical teams work collaboratively with a nationwide network of fabricators to help achieve an architect's vision in projects where doing the 'norm' simply won't do.

Altus window and door systems and products are available exclusively through our fabricator network:















Taking apartment living to a new level

PROJECT
Milford 110

LOCATION

North Shore, Auckland

FABRICATO

Framerite Installations Ltd

ARCHITECT

Brave Architects

BUILDE

Waide Commercial Construction Ltd

SYSTEM

Atlantic48™

PRODUCT

Euroslider™ doors, Eurostacker™ doors

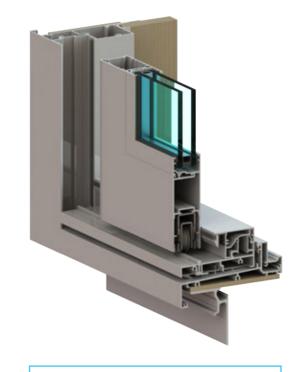
INDUSTRY SECTOR

Medium-High Density Residential

"I wanted to create a pavilion feel with lots of glass and large openings that made residents feel connected to what's happening outside."

DANIEL BULOGBRAVE ARCHITECTS





EUROSLIDER™ doors are perfect for creating dramatic indoor/outdoor flow.

THERE'S A SENSE OF BEING AT ONE WITH THE LANDSCAPE AT MILFORD 110, AN ELEGANT APARTMENT BUILDING ON AUCKLAND'S NORTH SHORE.

Floor to ceiling glazing and larger-than-life sliding and stacking doors open the generously proportioned apartments onto spacious decks and provide uninterrupted views of city and sea.

"I wanted to create a pavilion feel with lots of glass and large openings that made residents feel connected to what's happening outside," explains architect Daniel Bulog of Brave Architects.

Bulog knew from the outset that the Atlantic48™ system from Altus was just what the project needed, both in terms of form and functionality. "The Atlantic48™ system has a very linear style, with an attractive square profile and clean lines," he explains.

The Altus Architectural Representative that worked on the project believes the Atlantic48™ system is the logical choice for apartments and commercial developments that call for grand designs, edgy architecture and high performance.

"The windows and doors have seismic frame options and more capacity for double glazing," she says. "Sliding panels can be up to three metres high. It's a great system for architects who want to push the boundaries."

Full height windows and Euroslider™ sliding doors provide a clean, consistent aesthetic all the way around the building. This, combined with cantilevered and thin shaped deck ends, bring a sense of lightness to the structure.

Cleverly placed louvres provide privacy and manage light without impeding on those spectacular views.

Bulog worked closely with the Altus Technical team right from the outset to ensure Brave Architects' design "worked in the real world".

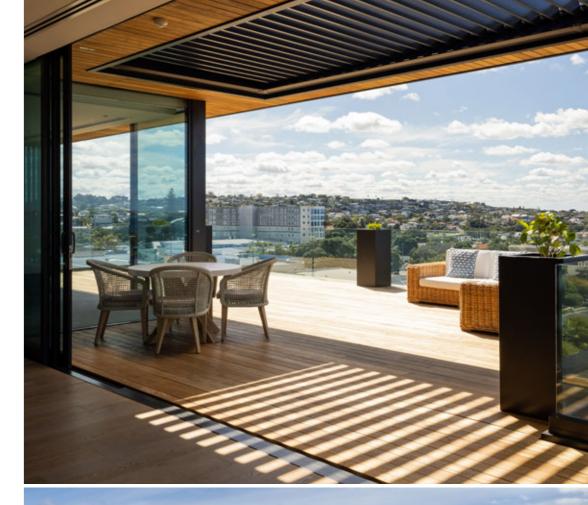
"I knew I was hitting the maximum sizes that the system could handle," Bulog says, especially in a design that called for keeping view-inhibiting mullions to a minimum. The sliding doors in the penthouse suite, for example, create an opening 3 metres high x 12.5 metres wide.

This early collaboration also meant that the design could be tailored to ensure that the elements being used to construct the façade performed in terms of wind loading and building movement.

"It was great to work with the Altus team at those all-important initial stages," Bulog says. "Their insights and technical expertise meant we could fine-tune where necessary without compromising the design vision." The five-level building has commercial space on the ground floor and a sumptuous 350 square metre apartment on the top, opening out to a wildly grand 250 square metres of deck and 360 degree views that encompass Milford Beach, Rangitoto, Lake Pupuke and Auckland City.

The floors in-between play host to 19 roomy two-bedroom apartments, ranging in size from 110 to 135 square metres. Each apartment also has a flexi room that can become a third bedroom or an additional living space.

The end result is a building that reflects the laid-back lifestyle of its surrounds and inspires the elegance and simplicity of the modern pavilion ethos.





Innovative angles that uplift the soul

PROJECT

Cashmere House

LOCATION

Christchurch

FABRICATOR

Rylock[™] Canterbury

ARCHITECT

South Architects

BUILDE

Hillview Construction

Pacific52™ Thermal System – Recessed Frames

PRODUCTS

Recessed Frames, Euroslider™ bi-parting sliding doors, Eurostacker™ sliding doors, sliding windows,

raked windows

INDUSTRY SECTOR
Residential

"We love creating spaces that uplift the spirit of occupants and visitors alike. The windows and doors compliment this approach."

CRAIG SOUTH
SOUTH ARCHITECTS





STAGGERING VIEWS, EXPANDING ANGLES AND THE ABILITY TO WITHSTAND AGGRESSIVE WIND GUSTS WERE KEY DRIVERS BEHIND THE DESIGN OF THE WINDOWS AND DOORS FOR THIS AWARD-WINNING CHRISTCHURCH HOME.

The two-storey house sits on the side of the Cashmere Hills. The vistas from such a perch are nothing short of epic. The site itself, however, is very narrow in places.

Craig South from South Architects deftly countered any potential drawbacks of such a slim site by designing a folded roof form that creates a sense of space within the home, admits plenty of natural light and makes the most of those sweeping city views.

"We love creating spaces that uplift the spirit of occupants and visitors alike," South says. "The windows and doors compliment this approach."

This is nowhere more evident than in the use of

two double panel Eurostacker™ doors that lead from the living areas out onto the sheltered deck.

Raking windows above the doors follow the angles of the contoured roof.

The combined effect is startling.

A wealth of natural sunlight, unimpeded views and a sense of openness are the order of the day. "There's a real feeling of the outdoors; of being truly immersed in the landscape," South says.

Of course, designing for views on a hillside that gets its fair share of wind meant special attention needed to be paid to thermal performance.

South points out that the homeowner wanted to bring thermal efficiencies through the project, "with well insulated walls and ceilings." Windows and doors too needed to play their part.

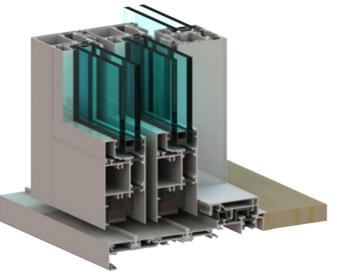
Working closely with General Manager, Ricky Facoory and the team at Rylock™ Canterbury,

South decided that the Pacific52™ Thermal system from Altus ticked all the boxes. "The elegant profile suits the overall design of the house," South explains.

The thermally broken frame of the Pacific52™ system has a nylon thermal barrier which prevents heat transfer and significantly reduces the amount of condensation forming on the surface of the glass. This barrier, combined with double glazing, provides a warmer, more comfortable home from which to admire all those views.

"Eurostacker™ and Euroslider™ doors work really well in high wind zones," Facoory says.

Expanded angles. Thermal performance. Clever thinking that opens out a narrow site. It's hardly surprising that this striking family home won a Regional Gold in the 2022 Registered Master Builders House of the Year Awards.



EUROSTACKER™ sliding doors are positioned on the outside without a sill trough for ease of maintenance.



Simple needs, lavishly met

The brick facade is perforated with a "constellation of windows that are as precise and flat as iPhone screens".

NAT CHESHIRE

CHESHIRE ARCHITECTS

PROJEC

The Hotel Britomart

LOCATION

Auckland

FABRICATOR

Baltic™ Commercial Fabricator

ARCHITEC

Cheshire Architects

BUILD

Bracewell Construction

SYSTE

Baltic™ A1 window system

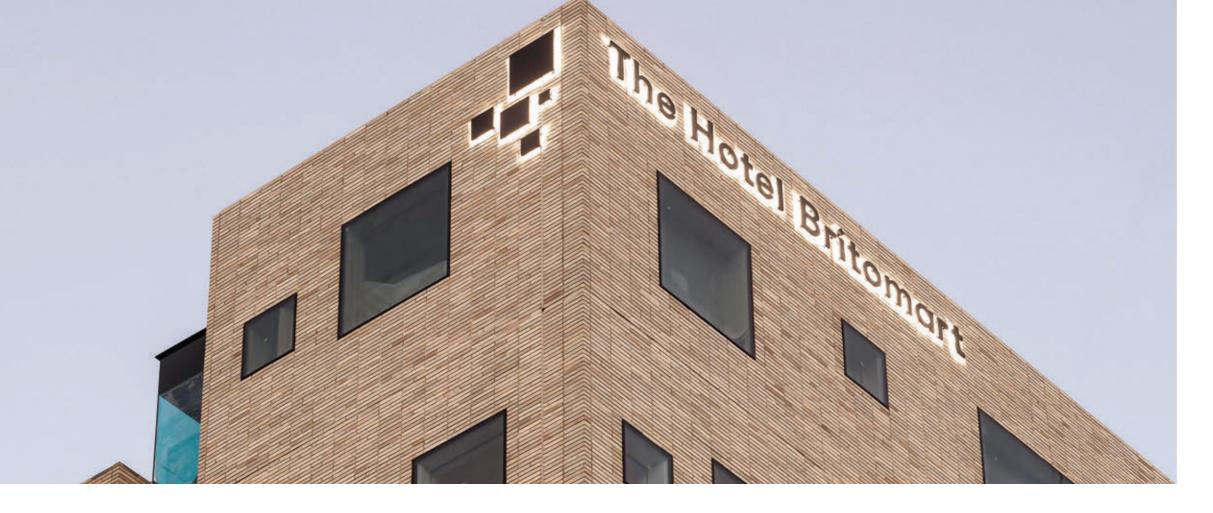
RODUCTS

Structurally glazed fixed windows

NDUSTRY SECTOR

Accommodation - Travel and Tourism







A1 four-sided structurally glazed system (bespoke design).

THE FATHER AND SON TEAM OF NAT AND PIP CHESHIRE FROM CHESHIRE ARCHITECTS HAVE BEEN LAYING THE GROUNDWORK FOR THE HOTEL BRITOMART'S DISTINCTIVE CHARACTER SINCE 2006.

That's when they began the patient regeneration of the entire Britomart precinct, a nine-block development that links downtown Auckland with its iconic waterfront.

Nat Cheshire describes the neighbourhood as a "wonderful collision between fashion and commerce and food and the street, and all the adrenalin and surprise that comes with it."

The fact that all of these facilities are right on the hotel's doorstep has allowed Nat and the Cheshire team to focus on creating a sense of intimacy with the hotel itself.

Rather than carving out room inside the building for restaurants or a beauty spa, the team has dedicated every inch of space to creating an exquisite accommodation experience.

"Each room is small, but every millimetre is crafted," Nat explains. "They're intended to be rooms that you can run your fingertips over."

This approach is also evident in the building's exterior. The Hotel Britomart is a pair of thin towers made entirely from brick. The brick is

rough, small and irregular and perforated with what Nat calls "a constellation of windows that are as precise and flat as iPhone screens."

Such a unique vision required a bespoke window design. The hotel required over 200 punch windows in six different size configurations.

The smallest windows measure 500mm square, with the largest being 1600mm x 2000mm. There's also a strip Curtain Wall that soars an impressive ten stories.

The Altus Technical team worked closely with Cheshire Architects, façade engineer Mott MacDonald, and other project stakeholders over a number of months to develop a solution. The windows had to be quick and economical to construct. Ease of installation into the 200-plus preform precast panel openings was also essential.

A bespoke die was created for the A1 four–sided structurally glazed window system that is a feature of the external façade. Additional dies were created to accommodate the movement of the building

and to complement the current Altus 48mm commercial strip window system.

The glass was structurally glazed to each of the bespoke frames in the factory. These glazed frames were then taken to the hotel and loaded to the relevant floors.

The smaller frames were manually lifted through the window openings to the outside of the building and then pushed back into the opening. The larger panels were taken out through a door to the scaffold and manually transported to the face of the window opening to be pushed into place.

The windows were then fixed off and sealed.

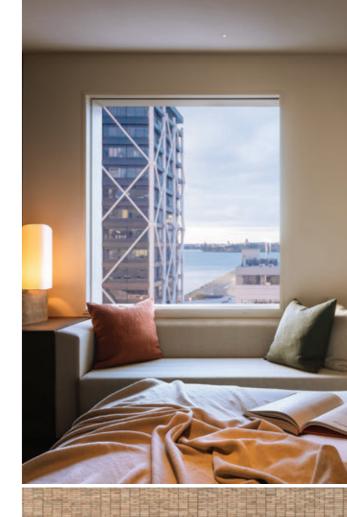
Being in a neighbourhood with a healthy night life meant that outstanding acoustic performance was high on the list of requirements. So too was the ease of cleaning and maintenance.

Energy efficiency was another major consideration behind the choice of window systems. Cheshire Architects designed the hotel to achieve a 5 Green Star Design rating – a ranking that makes The Hotel Britomart one of New Zealand's most eco-friendly hotels.

The thermal performance of the windows played an integral part in achieving this rating.

The glazing utilises a high-performance soft coat with a UV rating of 1.60 W/m²k and a visible light transmission of 60% plus. There's also a laminate on the inner pane to increase acoustic performance, which helps to create a quiet haven for guests.

For nearly fifteen years, Cheshire Architects have been making "really big things out of lots of really carefully crafted small things" as part of the Britomart revitalization project. The bespoke windows in The Hotel Britomart are a further demonstration of this clever thinking.





Keeping cosy with expansive views

"The house is specifically tailor to passively provide warmth in winter and stay cool in summe

MATT JEFFERY
JOHNSTON ARCHITECTS

PROJECT

Alpine Terrace Retreat

LOCATION Wanaka

FABRICATOR

Vistalite Otago – E13 Performance Windows

ARCHITECT/DESIGNER

Johnston Architects

Level Construction

SYSTEM

Pacific52™ Thermal, Pacific60™ Thermal

PRODUCTS

Eurostacker[™] doors, Euroslider[™] doors, triple glazing, fixed overlight window

NDUSTRY SECTOR

Residential







E13 PERFORMANCE WINDOWS, A DUNEDIN-BASED BUSINESS, HAS CARVED A NICHE FOR PROVIDING HOMEOWNERS WITH THERMALLY EFFICIENT TRIPLE GLAZED WINDOW SOLUTIONS.

"There's been a big trend for homes in Central Otago to have large, oversize glazing to take advantage of all those amazing landscapes," says Jamie Waller, Manager of E13 Performance Windows. "All those larger-than-life windows and doors means special attention must be given to thermal efficiency."

This spacious Wanaka home is a classic case in

The west-facing living spaces have a 90% glass area to make the most of the magnificent views on offer – all this in a region where temperatures can fluctuate from a chilly minus ten to a balmy 35.

"The house is specifically tailored to passively provide warmth in winter and stay cool in summer," Matt Jeffery, from Johnston Architects, explains. "We oriented the building to minimise the amount of energy needed to heat and cool spaces."

Windows to the south and east were reduced or largely eliminated in favour of solid walls.

The west is where the views are, and it's here that the triple glazing comes into its own.

The Pacific52™ Thermal system from Altus was used throughout the home. Floor to ceiling triple glazing in the living spaces has the double benefit of capturing all that stunning scenery, while allowing natural sunlight to penetrate deep into the home during those cold winter months.

"We used broad eaves to block high sun angles and provide much needed shade during summer," Matt explains. At the same time, these eaves still allow lower sun angles in winter to warm up the home.

Eurostacker™ doors measuring an impressive 2400mm high by 7200mm wide provide a seamless flow from the living spaces to the exterior of the house. "The joinery behaves less like a door and more like a moveable wall," Jamie explains.

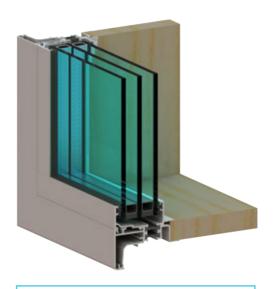
Euroslider $^{\mathrm{m}}$ doors achieve that same easy indoor/outdoor flow from the bedrooms.

The Eurostackers™ and Eurosliders™ are complimented by a custom, hot rolled, thermally broken main entry door and thermally broken sash windows and hinged doors, which are also used within the house to extend sightlines down the main circulation axis between the living and bedroom spaces.

Overall thermal efficiency is given a boost by the home's Structurally Insulated Panel System (SIPS) and the decision to go with glulam timber portal frames (as opposed to steel) to reduce thermal bridging.

The exterior timber framed walls are thicker than usual too; at 140mm there's more room for insulation.

Floors also play their part in creating a comfortable year-round environment. The concrete floor slabs sit on high performance XPS insulation and incorporate thermal breaks to the perimeter walls to reduce heat loss.



TRIPLE glazed insulating units provide more advanced thermal performance and noise reduction.

When it came to achieving the almost completely glazed western façade, Matt points out that collaboration between Johnston Architects and the team at E13 was key. "Although we were responsible for the design, we relied heavily on E13's wealth of product knowledge and experience."

Jamie Waller says that with the right design and the right products, homeowners really can have the best of both worlds. "Projects wanting the best views can often end up having their thermal performance compromised," he says. "But with the right design and joinery, you can achieve both."



Creating a cohesive space where learning comes naturally

"There's a through visual connection from one side of the building to the other, at every level."

FRANK COLEMAN ARCHITECTUS

PROTEC

Saint Kentigern Girls' Primary School

LOCATIO

Remuera, Auckland

Bradnam's

Architectus

BUILDER Aspec Construction

SYSTEM

Baltic[™] Flushglaze 159 and 106, Atlantic48[™]

PRODUCT

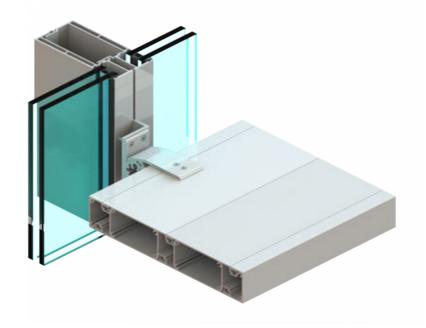
Clerestory windows, sliding doors, hinged doors, sash windows, automatic doors

INDUSTRY SECTOR

Education







HIGHBROOK louvres can be used in vertical or horizontal applications to control the sun's glare.

VIEWED FROM ABOVE, THE SAINT KENTIGERN SCHOOL CAMPUS ON REMUERA'S SHORE ROAD BELIES ITS INNER-CITY LOCATION. THE SITE ABOUNDS IN LUSH GREENS WITH LANDSCAPED FIELDS, PLAYING AREAS AND A PROFUSION OF MATURE TREES.

The new Girl's Primary School, which opened on the Campus in 2022, takes full advantage of these beautiful surrounds; its multi-leveled terraced building flowing gracefully down the contours of the sloping site.

The brief was to create a welcoming, inclusive building that fosters connectedness and interaction, and provides a conducive environment for girls to reach their full learning potential.

Designed by Architectus, the new building is home to 19 classrooms, with a separate floor dedicated to each syndicate. The first floor includes Reception, administrative offices and meeting rooms, and storage. Years 1 to 3 have the second floor; Years 4 to 6 the third floor, while Years 7 and 8 are located on the top floor.

Collaborative learning areas are connected by multipurpose social stairs and an atrium that opens from the second floor to the fourth.

The clever use of clerestory windows near the roof of the atrium floods natural light into the space, while the windows themselves remain almost invisible.

Each of the building's levels flows onto its own outdoor space; one that has been tailored to suit the syndicate using the floor.

Sliding, hinged and automatic doors, together with the full height glazed façade, provide for visual transparency and connection to the landscape and make the most of the natural light. A horizontal band of opening sash windows ensures additional natural ventilation to the building.

Vertical aluminium fins create a rhythm to the façade, breaking up the mass of the building. Placed at various depths, they also control the sun's glare without compromising that all-important natural light, and assist with the thermal performance of the building.

Project architect Frank Coleman describes the Girl's Primary School as a "very transparent building". The new school needed to integrate with the campus as a whole, and this visual transparency achieved that. "There's a through visual connection from one side of the building to the other, at every level."

The Architectus team working on the project opted to use the Baltic™ Flushglaze 159 and 106 systems from Altus for the school.

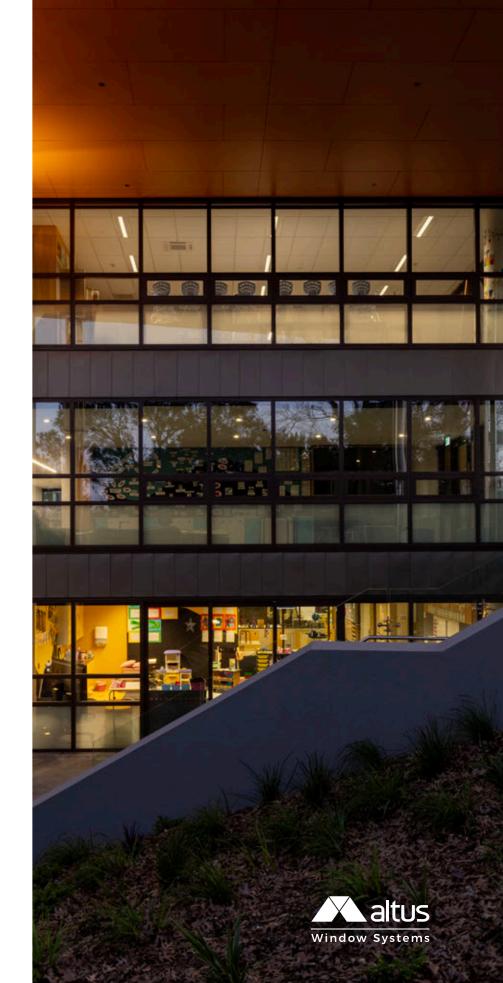
Aesthetically, the clean, simple profile of the Flushglaze system meshes perfectly with the building's design.

The Altus Architectural team representative, who worked with the Altus Technical team in scoping out the project with Coleman says that the Flushglaze system is "ideally suited for environments such as school buildings".

"The deeper frames provide superior strength, seismic and glazing performance," she says. In fact, the Flushglaze system has been designed to exceed New Zealand compliance requirements.

Another key benefit is the system's versatility. The subtle design of Flushglaze also means it can integrate seamlessly with other Altus window systems.

The end result is an environment that supports the Saint Kentigern pedagogy of active, personalised and visible learning that is anchored in a sense of community.



Reflecting the natural beauty of Kiwi coastlines

Driftwood Home

Sumner, Christchurch

Rylock™ Canterbury

South Architects

Metzger Builders Ltd

Pacific52™ Thermal System -**Recessed Frames**

Recessed Frames, Euroslider™ doors, Eurostacker™ doors, sliding windows

Residential

"The sense of being part of the beach is enhanced by the use of the Pacific52™ Recessed Frame system."

CRAIG SOUTH
SOUTH ARCHITECTS







THERE'S SOMETHING OF THE BEACHCOMBER IN THIS AWARD-WINNING SUMNER HOME.

Hardly surprising really when you consider that Craig South of South Architects says he drew his inspiration from a "charred piece of driftwood".

Cedar has been used extensively throughout – darkened on the underside with lighter cedar and metal cladding wrapping the rest of the home.

"We used natural elements, such as cedar and local stone, to relax the house into its beach setting," South explains.

That sense of being part of the beach is further enhanced with the clever use of the Pacific52™ Recessed Frame window and door system from Altus.

"The Recessed Frame system had just come out onto the market when we started work on the design for this home and it was perfect for what we wanted," South says.

Being recessed means that the windows and doors align with the thermal envelope of the building, without the need for complex flashing details.

"It provides the streamlined look we were after," South explains. A light colour palette makes the joinery "disappear" into the form alongside the lighter cedar cladding elements.

Rylock™ Canterbury supplied the system. General Manager, Ricky Facoory explains that the thermally broken frame of the Pacific52™ system has a nylon thermal barrier which prevents heat transfer and significantly reduces the amount of condensation forming on the surface of the glass. "This barrier, combined with double glazing, provides a warmer, drier, more comfortable home," Facoory says.

Just the thing for enjoying sea views on those blustery days.

And the top level of this two-story home is all about the views.

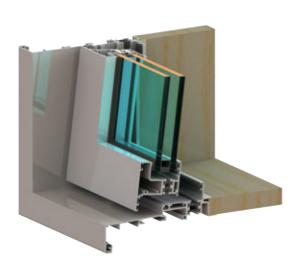
"Tricky angles and lines and a cantilevered living area enable the homeowner to enjoy views of the surf from any space, whether it's a direct view or cheeky peaks through other spaces," South explains.

Corner Euroslider™ bi-parting sliding doors with a bespoke 135° internal angle, for example, open up the connection between the kitchen and the centrally placed balcony courtyard, while offering sea views from the courtyard through the living space.

Full height Eurostacker™ sliding doors on the front oceanfacing façade, meanwhile, open up to bring the feel of the beach into the home.

Sliding windows in the main bedroom provide views of the Scarborough hills. These same hills can be glimpsed via skylights used above the staircase and the scullery.

A piece of driftwood... From this deceptively simple inspiration has come a beautifully designed four bedroom home that secured a Regional Gold at the 2022 Registered Master Builders House of the Year Awards.



AWNING WINDOWS with recessed frames provide natural ventilation and align with a building's thermal envelope.







SITTING ON THE SHORES OF ROTORUA'S EVOCATIVE LAKEFRONT, THE RECENTLY OPENED WAI ARIKI HOT SPRINGS AND SPA IS THE FIRST MAJOR MULTI-PURPOSE 5 STAR SPA AND WELLNESS FACILITY TO BE BUILT IN THE CITY.

The high-end tourist attraction sprawls across 4,453 square metres of land and includes two main spa areas, outdoor geothermal and fresh water pools, private spas, saunas, mud room, steam room, private geothermal mud baths and a café and gift shop.

The complex is a unique development for Ngāti Whakaue. As David Tapsell, Chairperson of Pukeroa Oruawhata Lakefront Holdings Limited explains, there has been a deep focus on authenticity throughout.

Every element, he says, "is founded on Ngāti Whakaue principles, practices and stories, reflecting the whakapapa (kinship) we have with the natural environment, from the heavens to the water and the earth."

Architect Alex Liang from RCG recalls the many client meetings and how important it was that the design of the development successfully interwove spiritual and commercial considerations.

Wai Ariki means 'Chiefly Waters" and is the story of Ngāti Whakaue's ancestor, Ngātoro-i-rangi, who journeyed from Hawaiki to Aotearoa aboard the Arawa canoe.

"The staggered rooflines of the building represent the bow of a Te Arawa waka arriving on shore," Liang says. Another key element of the Iwi's narrative – that of the legend of Hinemoa and Tūtānekai – has been incorporated into the facility through the clever use of full height glazing on the ground floor.

The windows, which in some places soar nine metres in height, provide visitors relaxing in the pools with uninterrupted views of Mokoia Island. It was here that the fabled lovers would meet for their secret rendezvous.

Liang opted for the Baltic™ 159 seismic Flushglaze system from Altus for the bulk of the exterior windows in the development.

"I really like how the glass of the Flushglaze system sits close to the exterior of the frame so that the framing itself looks minimal," Liang explains. "We wanted people to be able to look through the windows without being aware of the actual windows themselves."

This same glazing used at the top of the building has also created a negative line which makes it appear as though the roofline is floating above the entry foyer.

Flushglaze is also featured around the pool concourse, providing shelter from south-westerly and north-westerly winds while maintaining the Spa's distinctive ambience created by the natural light and views.



COMMERCIAL Hinged door in Flushglaze frame provides a robust and practical solution.

A key benefit of Flushglaze is the way that it integrates so seamlessly with other window and door systems.

For Wai Ariki, Liang selected the Atlantic106™ system for the pivot doors, sliding doors and automatic sliding doors that have been used throughout the complex.

"We also used the Baltic™ Shopfront system for the interior windows to maintain a consistent look with the Flushglaze external windows," Liang says.

Large automatic sliding doors measuring 2700mm x 1700mm were used for the seven private pools. These utilise a purpose-built bracket and floor guide that created a 50mm gap at the bottom to provide ventilation for the sulphur in the pools.

A representative of the Altus Technical team working on the development, says that the Flushglaze system was particularly suited for a project that needed to go above and beyond for durability, rigidity, windloading and seismic performance.

Rob Francis, General Manager of Rotorua-based Aspect Commercial Aluminium, the company that was responsible for the manufacture and installation of all the windows and doors, says that the non-standard shape of the windows required special consideration when it came to windloading. The sheer scale of the glazing also came with its special challenges.

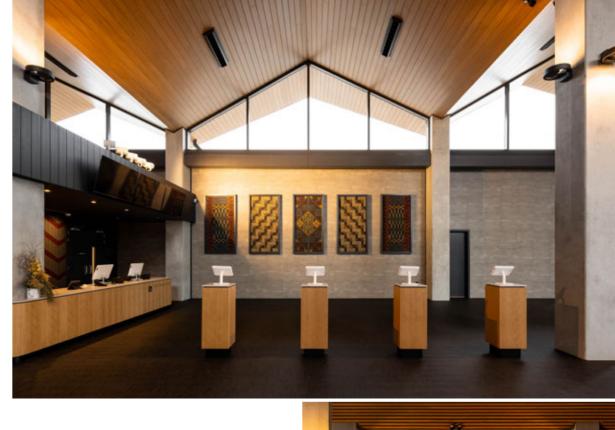
"The floor to ceiling glass on the south and west elevations required lateral steel beams for extra structural performance," Francis says.

Liang worked closely with the Altus Technical team from the project's inception.

"They were a great help when it came to the complex detailing required for the project," Liang says.

A representative of the Altus Architectural team says that working collaboratively with RCG from the outset "gave us the room to evaluate systems and provide the right solutions." The Altus Technical team also worked with Aspect at those crucial early stages to iron out any installation challenges.

Wai Ariki has been hailed as a game changer for Rotorua and is the embodiment of visionary thinking and teamwork at every level, from inception to completion.





Working with architects to achieve amazing

WE UNDERSTAND THE
CHALLENGES YOU CAN FACE
AS PART OF THE DESIGN
PROCESS. THAT'S WHY
THE ARCHITECTURAL AND
TECHNICAL TEAMS AT ALTUS
ARE READY TO HELP.

Think of us as an internal resource that can be drawn on to help push the boundaries in residential and commercial builds.

Involve us at the initial stages and we'll provide you with the window and door solutions that will make your design vision a reality.

Our consultants can draw up initial sketches and provide the shop drawings and technical information you need. This early involvement also allows us to identify any structural tweaks that may be required to your plans before you go too far down the track.

It gives you, and your clients, the added confidence of knowing your vision will work in the real world.

The teamwork doesn't end at that initial scoping. You can utilise our expertise at every stage of the project (we are, after all, part of your team). We can work with the fabricators to iron out any installation challenges and provide technical support along the way — at your office, on-site or wherever we need to be.

It's a partnership approach that's designed to help you achieve amazing. This book has just a few examples of how this approach has worked for architects. There are many more examples up and down the country.

Let's get it working for your next project.

Contact your Altus Architectural team on 0800 DES1GN (0800 337 146) or at architectural@altus.co.nz



Window and door systems to make your vision a reality

THE ALTUS RANGE OF WINDOWS, DOORS AND FAÇADES PROVIDES A SOLUTION FOR EVERY AREA OF YOUR RESIDENTIAL OR COMMERCIAL SPACE.

You can go with one system or mix and match to create the look you're after.

Talk to the Altus Architectural team about how you can push the boundaries for your space.

0800 DES1GN (0800 337 146) or at architectural@altus.co.nz



Thermally Broken Residential Systems



Southern41™ Thermal

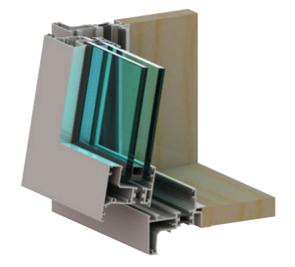
THE SOUTHERN41™ THERMAL SYSTEM HAS A POUR AND DEBRIDGE THERMAL BREAK THAT PREVENTS WARMTH OR COLDNESS MOVING THROUGH THE FRAME.

This makes it easier for you to maintain an optimal 'healthy home' minimum temperature of 18°C all year 'round.

This flat-faced residential system has a 41mm platform that delivers an excellent strength-to-size-to-thermal performance ratio. It's manufactured using

the Altus patented connection system, ensuring a more secure, weathertight frame.

Southern41™ is easy to understand and use, making it faster to install. And you can use a wide range of glass formats to ensure your project meets H1 standards.



Pacific52™ Thermal

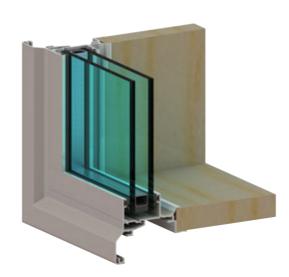
THE PACIFIC52™ THERMAL SYSTEM IS THE NEXT GENERATION OF THERMALLY BROKEN JOINERY.

The system delivers strength, insulation and noise reduction, while significantly reducing the amount of condensation forming on the surface of the glass.

Pacific52™ is manufactured using a Polyamide Strip that prevents heat escaping from or passing into the home. High thermal performance, a sleek contemporary profile and innovative features make this system ideal for grand designs, edgy

architecture and extreme locations. The Pacific52™ Thermal range can accommodate insulating glass units – double and triple glazed units – up to 40mm in thickness, while our Pacific60™ Thermal System, which is a range of extra strength fixed window panes designed for the most extreme conditions, can accommodate insulating glass units up to 48mm in thickness, a must for larger format thermal windows and doors.

Residential System

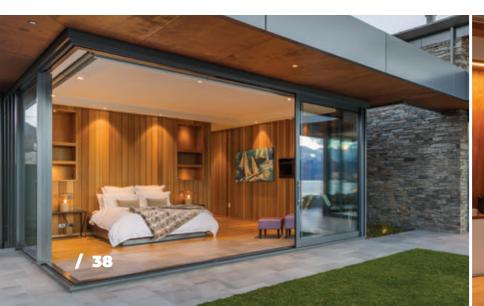


Tasman35™

THIS VERSATILE 35MM FRAME PLATFORM COMBINES MODERN AESTHETICS WITH PRACTICAL FUNCTIONALITY.

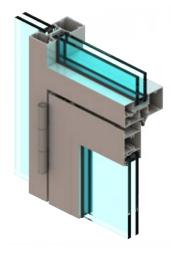
Tasman35™ comes in square frame, angle frame, protruding and flush face options. It's robust enough to carry heavy, double-glazed panels up to 2.4m high, providing increased light and passive ventilation, and the freedom to create a generous indoor-outdoor flow.











Shopfront 106 System & Commercial Doors

THE SHOPFRONT SYSTEM IS IDEALLY SUITED FOR GROUND FLOOR APPLICATIONS, SHOPPING MALLS, CAR SHOWROOMS, SUPERMARKETS, BANKS AND RETAIL OUTLETS.

The Shopfront System is compatible with the 106mm Flushglaze and Bespoke Curtain Wall Systems, as well as the architectural window and door range of products. The System is truly versatile – it can accommodate any combination of hinged, pivoting, sliding, bifolding or automatic doors.



Flushglaze Systems

FLUSHGLAZE SYSTEMS ARE PERFECT FOR CURTAIN WALL AND SHOPFRONT APPLICATIONS THAT NEED SUPERIOR STRENGTH, INCREASED SPANS AND GREATER DEPTHS (106MM, 132MM* AND 159MM).

They integrate seamlessly with other Altus window systems for greater design flexibility. You can choose single or double glazed, captive or structurally glazed, or a combination of both.

* Replacing 136mm in late 2023



Flushglaze Thermal Systems & Thermal Commercial Doors

THESE NEW THERMALLY BROKEN FLUSHGLAZE SYSTEMS ARE IDEAL FOR CURTAIN WALL AND SHOPFRONT APPLICATIONS THAT REQUIRE GREATER THERMAL PERFORMANCE, STRENGTH AND DEPTH (106MM, 132MM* AND 159MM).

As with the regular Flushglaze Systems, the new thermally broken systems integrate seamlessly with other Altus window systems for greater design flexibility. You can choose captive or structurally glazed, or a combination of both.

- Double glazed
- Improved heat loss
- Strong Pour and Debridge thermal break

* Available late 2023



Bespoke Curtain Walls

SQUARES AND RECTANGLES LOOK GREAT. BUT WHAT IF YOUR SPECIAL PROJECT DEMANDS MORE?

The Altus Architectural team can work with you to create customised curtain wall designs.

Engage them early on so you can explore the best way to bring your vision to life.

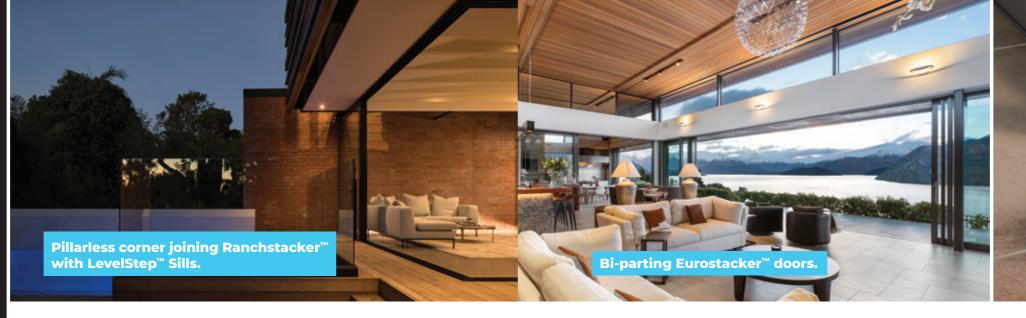
- Flushglaze
- A1 Curtain Wall
- Stickform Curtain Wall (can be thermally broken)
- Roof glaze



Unique Product Features

ALTUS WINDOW SYSTEMS
HAVE BEEN CREATING BETTER
LIVING ENVIRONMENTS
ACROSS NEW ZEALAND FOR
OVER 60 YEARS.

Our innovative product range includes unique design features that offer superior functionality, style and performance.



Ranchslider™ and Ranchstacker™ Doors & Windows

These Kiwi classics have an internal sliding door panel or panels that can be moved aside to enhance the views. Fixed or opening windows can be incorporated into the non-sliding panel. The option of a LevelStep™ Sill provides a safe, flush entry. They can be configured as corner sliders or stackers with sliding panels which meet at a corner without the need for a pillar (not suitable with LevelStep™ Sill). Both are also available as overwall sliders or cavity sliding panels for increased access and views.

Stellar Doors™

The Stellar Doors™ entrance range creates a warm welcome for your home that will really last. That's because Stellar Doors™ are made from aluminium. They're stronger than timber. They won't split, warp or leak, so there's little maintenance required. Stellar Doors™ are designed to last. And because they're structurally stronger than conventional doors, Stellar Doors™ provide you with more security.

Euroslider™ & Eurostacker™

The outside sliding panels of the Euorslider™ are exposed without a sill channel trough. This not only provides a superior aesthetic, but also reduces the collection of dirt, dust and water all of which adds up to increased durability and less maintenance. Can be configured as corner sliders or stackers with sliding panels which meet at a corner without the need for a pillar. Both are also available as overwall sliders or cavity sliding panels for increased access and views.

Foldback™ Bifold

The Foldback[™] Bifold's unique patented system allows up to three door panels to fold flat against the exterior cladding of a home for unobstructed traffic flow and increased space.

LevelStep™

Ranchslider[™] with

LevelStep™ Sills.

LevelStep[™] can be incorporated into any Ranchslider[™] or Ranchstacker[™] system to create seamless indoor/outdoor flow. Levelstep[™] meets the 20mm step accessibility requirements, making it ideal for aged care facilities and schools.

Aluvent™ Passive Ventilation

Passive ventilation helps to create healthier, more energy efficient buildings with improved air flow. The Aluvent™ passive ventilation system allows rooms to ventilate while windows and doors are closed. This reduces condensation and helps to achieve the minimum air exchange requirements set by the Building Code.



Let's talk about great ideas for your next project

YOUR ALTUS WINDOW SYSTEMS ARCHITECTURAL TEAM IS READY TO HELP, WITH THE RIGHT WINDOW AND DOOR SOLUTIONS FOR YOUR PLANS.

We're happy to meet with you to understand what it is your project is trying to achieve. We'll then work together to find a solution based on project-specific requirements and best design practice.



inspiring projects here

0800 DES1GN (0800 337 146) architectural@altus.co.nz

Your Project Checklist

Please use the checklist below when writing your brief to us. That way, we'll be able to provide you with the best solution for your project.

	Project	Name and	Address
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☐ Structura	l Engine
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Façade Engil	nee
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	Preferred	Eabricator
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STRUCTURAL DETAILS

- ☐ Wind Zone (if within NZS3604)
- Factored Wind Loading to NZS1170 (if outside NZS3604)
- ☐ Seismic Requirements

DRAWINGS

- ☐ Elevations/Plans
- ☐ Window/Door Schedule☐ Glazing Specifications
- Cladding Custom
- ☐ Cladding System

PROJECT SPECIFIC REQUIREMENTS

- ☐ Glazing Specification
- ☐ Thermal Performance
- Acoustic Specification



Download your CAD files directly from altus.co.nz

SAVE TIME WITH THE ALTUS WINDOW SYSTEM ONLINE DESIGN RESOURCE. IT'S FULL OF PRACTICAL AND USEFUL DESIGN TOOLS SUCH AS PDF AND DWG FILES.

With the Altus Design Resource, you can download CAD details for all of our window and door systems and add them directly into your plans.

It's fast and easy. There's no need to log in – you get instant access every time.

If you need help finding a specific product, you can contact our Technical team and they'll provide the information you're after.



THE ALTUS TECHNICAL TEAM: 0800 925 500 technical@altus.co.nz









0800 DES1GN (0800 337 146) architectural@altus.co.nz

