



QUANTUM
WINDOWS & DOORS, INC.



Crafting Exceptional Quality Since 1982

“Perbacco is a downtown San Francisco destination restaurant and bar, richly and minimally dressed for modern times. CCS Architecture set out to create a new classic for the Financial District - a place in sync with the neighborhood, yet offering a contemporary sense of openness and luxury. CCS selected Quantum Lift & Slide Doors to create a slide-away façade, opening the bar completely to California Street and bringing the entire space to life.” ~ CCS Architecture | San Francisco, CA



On The Cover - Alterstudio Architecture, LLP | Wilmington Gordon | Whit Preston Photography | Austin, TX

For over 30 years, Quantum Windows and Doors has developed a national reputation for crafting the finest custom all wood windows and doors. Our products are both beautiful and functional. Each piece is handcrafted from the finest species of hardwoods and specially selected softwoods using nonferrous fasteners and hardware. Top architects and contractors regularly rely on Quantum to provide the highest level of design expertise and engineering. This collaborative approach helps Quantum exceed customer's expectations regardless of the complexity or size of the project.



Lift & Slide Doors	4
Slide & Fold Doors	6
Hinged & Pivot Doors	8
Signature Series Windows	10
Classic Series Windows	12
Legacy Series Windows	14
Euro Series Windows	16
Clad Windows & Doors	18
Commercial Solutions	20
Historical Retrofit	22
Factory Applied Finish	24
Warranty & Customer Service	26

Lift & Slide Doors

Quantum's Lift & Slide Door Systems have been exceeding customers' expectations since we began building them in the early 1990's. Over the years, changes in design and hardware have allowed us to redefine the industry standard and create almost endless possibilities for maximizing openings in large expanse applications. By utilizing the latest developments in fenestration technology, our panels can be operated quite easily up to 880 pounds, allowing us to integrate spectacular views with exceptional weatherization capabilities.

Our state of the art Lift & Slide Door Systems offer significant advantages over conventional sliding doors. Our door panels operate on two dual-wheel carriages designed to provide maximum support and insure consistently smooth and maintenance free operation. When unlocked, the operable panel is "lifted" off the track, disengaging our dual weather-seals. When the door panel is in the locked position, the weight of the panel is re-seated on the track creating a weather and sound resistant barrier other systems are not able to provide.



“Quantum Windows are a great product that I feel privileged to be able to use to compliment our design work. They are all about quality and adding character to projects. There is a sense of hands-on craftsmanship that is hard to find these days but always sought after. I will continue to specify and recommend Quantum Windows whenever the occasion arises.” ~ Peter D. Swindley Architects | Seattle, WA



Slide & Fold Doors

Bring the outdoors in with Quantum's Slide & Fold Door System. This unique system joins multiple door panels (up to 8 panels in each direction) with a sliding and folding mechanism and delivers tremendous flexibility for large scale openings.

When closed, Slide & Fold Doors appear to be a wall of beautiful hinged doors. Fold open the doors and the wall virtually disappears leaving an unobstructed opening capable of spanning over 64 feet. Each door can be specified to slide and fold. For easy access, an independent hinged door can be integrated at multiple locations depending on configuration.

Slide & Fold Door Systems are configurable in many combinations including corner units requiring no center support. Our systems are top-hung and may be specified as in-swing and out-swing. Optional heavy duty, multi-point locking hardware brings it all together for ease of opening, folding and sliding.



“We chose Quantum Windows and Doors because we wanted beautiful windows, high quality and service, and we got all three without exception.” ~ Eck/MacNeely Architects | Boston, MA



Jeremiah Eck Architects | Vick Construction & Design | Salem, SC

Hinged & Pivot Doors

At Quantum, we understand the complexities of building doors that are strong, secure, and well crafted. Not only are Quantum doors beautiful in appearance, their quality is tangible with every touch or operation.

Quantum's Hinged and Pivot Doors utilize stile and rail construction, and are available in many designs, configurations and operations. We build pivot doors, single and double hinged doors, solid panel, raised panel, dutch doors and any variation in between. We can accommodate a range of hardware options, along with a choice of high performance teak, sapele or aluminum sills.

Quantum builds the same quality into our interiors doors and offers them in all of our finish options, including raw, primed, painted or clear coat. Whether you are looking for a painted finish, Clear Vertical Grain (CVG) Douglas Fir with raised panels, or an exotic hardwood, we will build anything you can imagine.



“I’ve been involved in projects using Quantum Windows and Doors for 10 years now. In addition to being beautiful, their performance is excellent - their Lift & Slide doors are something to behold. Their customer service is top notch, I couldn’t recommend them enough.” ~ FINNE Architects | Seattle, WA



FINNE Architects | SBI Construction | Ben Benschneider Photography | Redmond, WA

Signature Series Windows

Quantum's Signature Series Windows offer casement, fixed, awning and special shaped windows with contemporary styling, narrow sight lines and large expanses of glass.

The sleek framework nearly disappears as the contemporary look of the Signature Series Window puts the emphasis clearly on the glass. A more traditional appearance can be achieved through the addition of heavier sills, fixed sashes and true divided lites.

Our Signature Series Windows offer tremendous design flexibility along with the natural beauty and warmth of the finest wood species available. Clear Vertical Grain (CVG) Douglas fir is standard and yields a rich appearance that begs to be touched. Many other woods are available to complement the design and detail of the project, including dual species.



“Quantum Windows and Doors produce a first class product, and back it up with customer service to match. The clean, crisp detailing of the windows make them an always welcome addition to any project of mine.” ~ Patrick Alexander Architect | Brandon, MS



Miro Rivera Architects | White Construction | Paul Bardagjy Photography | Austin, TX

Classic Series Windows

Classic Series Windows provide the utmost flexibility in aesthetics, design and functionality. For use in contemporary architectural styles, the Classic Series is sleek in appearance. A common mullion system can be built to specified depths and utilized to create window wall systems that include both operable and fixed components. This creates the most narrow and clean appearance possible negating the need for any trim or mullion caps.

A stainless steel four-bar hinge is used standard. To satisfy egress requirements for units exceeding typical casement heights or to match hinges on adjacent doors, there are also butt-hinge options.

For ultimate security, a true European multipoint latching system can secure the window along multiple locations around the perimeter of the sash with the use of a single window lever.

Classic Series Windows can be built as casements, awnings, rounds, arches, and window walls with a range of options to complement your design palette.



“As an architect, not only did we use Quantum's product in a project, I used it in my own home. I'm not sure there is a higher complement that can be made! After extensive research, we decided to use their common mullion windows, as well as lift and slide products for our Pigeon Creek Residence. I could not be happier with the results. These windows are literally like furniture in your walls. And best of all, when a couple of small issues came up, true to their warranty, they sent someone across the country to come out and fix things. We would happily work with them again on any of our projects!” ~ Lucid Architecture | Zeeland, MI



Lucid Architecture | Zahn Builders, Inc. | Eric De Witt Photography | Olive Township, MI

Legacy Series Windows

Quantum's Legacy Series Windows offer the same traditional design, and time tested operation and performance of traditional double hung windows while upgrading key components. The end result is a thoroughly modern window that maintains the aesthetics of the original design but with greatly improved energy and weather insulation.

Among these improvements are the use of modern gasket and glazing technologies. Traditional lead weight balances with brass chain and flywheel operation remain an option, but the majority of our double hung windows have sashes supported by our concealed spring balance system. This unique balance system provides smooth sash operation while omitting the plastic or aluminum tracks that would detract from the beauty of an all wood window. The concealed balance negates the need for bulky weight pockets allowing for smaller window-to-window mullions and maximum glass and light.



“Quantum are truly high quality wood windows and doors. For our practice, we use them when we need windows that are faithful to historical details, such as true divided lights, narrow bottom sashes, etc. None of the bigger window manufacturers can match these details with the faithfulness Quantum can.” ~ Cody Anderson Wasney Architects | Palo Alto, CA



Webber+Hanzlik Architecture | Don Crowell Builders | Paul Bardagjy Photography | Austin, TX

Euro Series Windows

Euro Series Windows feature stile and rail construction, multi-point locking hardware, and exceptional weather stripping. Versatile styles are distinguished as Pivot, Tilt/Turn and In-Swing.

Pivot Windows swing in at the top and out at the bottom providing equal ventilation. Stay mechanisms hold the sash partially open and release to pivot the sash 180°. Multi-point locking hardware provide secure closure at the sash rails.

Tilt/Turn Windows tilt in at the top to provide ventilation without exposing the head of the window sash to the weather and swing in like a casement to provide egress. The sash and jamb have a stepped, interlocking design fitted with weather stripping. An aluminum extrusion across the bottom captures water and directs it outside, even when the window is open.

The Euro Series casement allows for oversized operable windows. The In-Swing French casement requires no center post and can be discretely screened on the exterior.



"I've worked with Quantum on many projects over the last 20+ years. I've never been less than extremely happy with the quality of their products and the level of service they've provided." ~ The Miller Hull Partnership | Seattle, WA



The Miller Hull Partnership, LLP | Jeff Davis Construction | James F. Housel Photography | Mercer Island, WA

Clad Windows & Doors

Thirty years of building exceptionally innovative wood windows and doors has inspired the development of Quantum Clad, a truly integrated window and door solution that is made for the design challenges of modern architects and builders.

From our wood selection process and exceptional joinery, to performance oriented glass fabrication and finishing, every job is engineered to exceed your expectations on every level. Our finish is applied before our heavy gauge (.0625") aluminum clad is surface mounted using Teflon clips.

Quantum Clad's proprietary stile and rail construction allows uncompromised flexibility with regards to design, size, alignment and functionality. Whether you're looking for windows walls with narrow sight lines, oversized window operation or exceptionally large Lift & Slide doors, Quantum Clad allows you to create what your imagination has seen.



“Our firm has specified Quantum window and door products for years on the residences that we have designed. Whether we use their standard profiles and details or ask for a completely custom product, they consistently deliver the highest quality of engineering, craftsmanship, and attention to detail. Their process is thorough, and predictable, leaving no doubt that their finish product will meet the design intent of the project. A recent residence of ours on a remote island required that the new doors and windows match details of an existing structure on the property, as well as meet current energy and wind-load codes. Working closely with Quantum, they created new products that blended in beautifully with the existing details and at a reasonable price point that other companies could not match. I feel that any project is enhanced when Quantum products are a part of it.” ~ Conard Romano Architects | Seattle, WA



Olson Sundberg Kundig Allen Architecture | Streeter & Associates | Karen Melvin Photography | Lake Minnetonka, MN

Commercial Solutions

For commercial projects looking at wood and wood clad solutions for integrated window wall and door systems, Quantum continues to expand design and performance capabilities not commonly associated with typical aluminum or steel storefront applications.

Whether an interior or exterior application, Quantum's Hinged and Slide & Fold Window and Door Systems can be utilized in storefront applications allowing over 64 feet of clear opening.

Our Lift & Slide Systems can span almost any opening and be pocketed to completely disappear into the wall. Both systems are offered with a weather sill option in addition to a flush track for seamless interior to exterior transitions.

Quantum's exceptional quality and meticulous attention to detail insure that your project will exceed expectations on every level without comprising performance or aesthetic detail.



“The program for Founders Hall included the renovation of the original President’s house on the Mt San Antonio College campus, plus the addition of a 6,000 square foot new wing, designed to be compatible with the original Spanish Colonial house. Quantum provided the new windows and doors required for both the original house and the addition. For the original house, Quantum matched the detailing of the historic mahogany paneled doors, and for the addition, provided mahogany windows and doors designed by the Architect, inspired by the historic features. Founders Hall was the recipient of a 2007 Preservation Design Award from the California Preservation Foundation.” ~ Steven Fader Architects | Los Angeles, CA



Steven Fader Architects | Paul C. Miller Construction | Joshua White Photography | Walnut, CA

Historical Retrofit

Quantum's manufacturing flexibility and experience have resulted in dramatic results for a host of new and restored buildings. Our ability to match existing profiles, sizes and finishes is a significant benefit offered by Quantum especially when historic preservation demands are critical. We appreciate the work that has gone on before us and will diligently apply our craftsmanship to preserve the heritage of the building.

Quantum works to create innovative custom solutions to match the designs of the architects and to replicate the level of detail its historical restoration projects require, while including modern technologies. The meticulous process we go through to create exactly what our customers ask for has made us renowned throughout the US and Canada.



“Quantum Windows & Doors produced beautiful new windows to match the existing 1886 Ladd Carriage House double hung windows and sashes. Their attention to detail really helped define the exterior of the building. True craftsmen.” ~ Bremik Construction | Portland, OR



Carlton Hart Architecture | Bremik Construction | Sally Painter Photography | Portland, OR

Factory Applied Finish

Quantum's optional factory applied pre-finishes offer maximum design flexibility. Our pre-finish approach results in significantly reduced on-site finish costs and time savings. All of our products can be pre-finished in our facility using a wide variety of finish systems, including:

- Benite Wood Conditioner
- Factory Applied Primer
- Sikkens Finishes
- Acrylic Latex Paint

This approach is particularly important when products may be exposed to less than ideal climatic conditions following delivery. Our experience with custom finish systems gives us the ability to apply virtually any specified finish. We are able to recommend appropriate finishes for each particular project. Please ask your Quantum Representative for additional information about this option.



“We chose Quantum from among a long list of blue chip window and door suppliers. Our project, a contemporary vacation home in Carmel by the Sea, CA, required a high degree of close coordination between architects, contractors and of course ourselves, the owners. Quantum was on time and on budget throughout the construction period. Since completion we have had the need to continue to call on Quantum for various levels of support and they have been totally responsive to our every need, to me that is very important icing on the cake.” ~ Tom Christal | Homeowner



Warranty & Customer Service

Quantum's 15/5/3 warranty (15 years glass, 5 years hardware, 3 years wood components) is one of the longest and strongest in the custom industry. We stand behind everything we build and have since our founding in 1982.

Extraordinary customer service is not just an attitude embraced at Quantum, it is a reflection of who we are and the pride we take in all we do. The service experience begins with the initial design consultation, combines with internal project management and carries through to the job site. We also offer extensive after-sales programs that ensure continued customer satisfaction and repeat business.

We want to partner with you to deliver the best solution to meet your design objectives. The earlier in the design phase we can get involved, the more seamless the collaboration. Thank you for considering Quantum Windows and Doors for your next project. We look forward to working with you.



“An unparalleled view and the desire to live casually amidst a collection of mature live oak trees combined to make a powerful circumstance for the Lake View Residence, and Quantum windows were the perfect medium through which the house could engage with the out of doors. The ability to incorporate custom wood panels into the window frames allowed for agile handling of the client’s complex daylighting needs while not compromising the overall character of the exterior articulation. The Classic series common mullion and Quantum’s custom milling of kerfs and reveals allowed for integration of building finishes without build up of interior trim. The resulting simple profiles were the perfect frame for engaging the out of doors. Exquisitely made, they add a sense of finesse to the overall ensemble.” ~ Alterstudio Architects | Austin, TX





deReus Architects | David Duncan Livingstone Photography | Kukio, HI



1-800-287-6650

www.quantumwindows.com
qsales@quantumwindows.com

QUANTUM
WINDOWS & DOORS, INC.

2720 34th Street
Everett, WA 98201