

INSPIRATION FOR YOUR IMAGINATION.



University of Oregon, Opsis Architecture,
Photographer: Marcus Berg, Unique Angles Photography

Sierra Pacific Architectural Wall Systems.



SIERRA
PACIFIC
WINDOWS



CLEARLY, THIS WAS DREAMED UP
BY A VERY CLEVER ARCHITECT.



Our new Sierra Pacific architectural wall systems are an energy-efficient way to add natural light to any home or business, while enabling you to make a big, bold statement. With their all-wood interiors and load bearing structural integrity, they are a distinctive upgrade over ordinary storefront glazing or aluminum curtain walls. Our glue-laminated wood beams can actually eliminate the need for steel beams in some cases. These advanced, highly engineered wall systems can easily incorporate doors, operable windows, and structural corner units.

THE BEST THING ABOUT OUR ARCHITECTURAL WALL SYSTEMS IS HOW YOU'LL USE THEM.

Current residential and commercial trends include expansive use of glass, clean straight lines, and transparency between indoor and outdoor living.

Our architectural wall systems give you the design freedom and load bearing capabilities to meet all those needs.

We combine glue-laminated Douglas fir interiors with extruded aluminum exteriors in 75 colors, with custom color matching also available.



Black Butte Ranch, Hacker Architects, Photographer: Jeremy Bittermann, Joel B Sanders Agency



TESTED IN THE LABS. PROVEN IN REAL LIFE.

Sierra Pacific architectural wall systems are tested to ASTM standards for air and water infiltration and structural wind load performance, plus they meet today's energy standards for heat loss and solar heat gain.

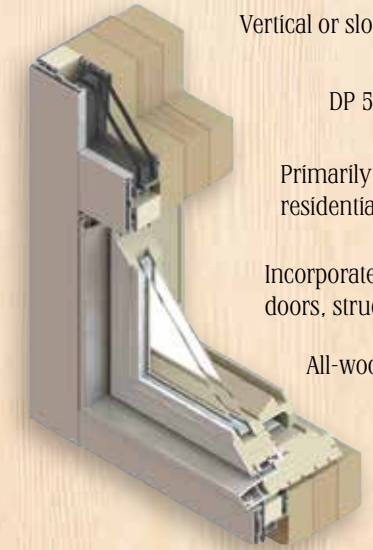
In addition, the performance and durability of our wall systems have been shown in hundreds of commercial and residential installations across the U.S., Canada, and Japan.

ALL THE ENGINEERING YOU NEED.
ALL THE HELP WE CAN OFFER.



VIEWMAX GLAZING SYSTEM.

We offer two sophisticated glazing systems. ViewMax is our glazing system for residential applications. It can be produced for vertical or sloped glazing in several styles, and may be structural to carry vertical loads of the building. It's available with multiple glazing options that meet a .24 U-factor or better, and has earned a DP 50 rating.



Vertical or sloped glazing.

DP 50 rating.

Primarily used in residential applications.

Incorporates windows, doors, structural corner units.

All-wood interior.

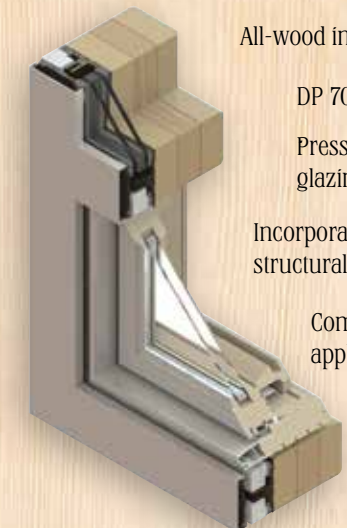
VIEWMAX PLUS GLAZING SYSTEM.

ViewMax Plus is an advanced pressure equalized glazing system. It equalizes air pressure between the window interior and exterior thanks to individual, isolated glazing chambers with independent weep systems.

With its sophisticated design and detailing, ViewMax Plus prevents water from being pushed or pulled into the building via the vacuum effect that can happen with other systems.

ViewMax Plus products include wood curtain wall, structural wood window walls, and load bearing window walls. They are available with multiple glazing options, achieving U-factors as low as .21.

With a DP 70 rating, ViewMax Plus is ideal for commercial or residential use.



All-wood interior.

DP 70 rating.

Pressure equalized glazing system.

Incorporates windows, doors, structural corner units.

Commercial or residential applications.



Each architectural wall system we produce is architect-driven. Yours will be custom designed and custom built specifically for your project. Our experienced team will work with you from inspiration to installation.

We will provide extensive engineering documentation and elaborate shop drawings with all pertinent architectural details.

From our experienced architectural consultants located throughout the U.S., to our in-house draftsmen, we take pride in working with architects to achieve every design feature you can envision.

Our architectural wall systems offer vertical and sloped glazing.



THE WINDOWS AND DOORS WORTHY OF OUR ARCHITECTURAL WALL SYSTEM.



To complete your architectural wall system, we have a comprehensive range of Sierra Pacific windows, patio doors, and specialty doors that can be easily integrated into the window walls. Suffice it to say, you'll find anything and everything you're looking for. They'll work in our architectural wall systems, and they have all-wood interiors just like our wall systems.

However, our specialty doors demand special mention.

We offer wood interior multi-slide, lift & slide, and bi-fold doors and windows for dramatically expansive openings. You can choose models that slide completely out of sight into a wall pocket, stack against the wall or open up an entire corner.



EXTERIOR CLAD FINISHES

FINISH YOUR DESIGN
WITH YOUR FAVORITE COLOR.

Idaho Residence, Scape Design Studio, Photographer: Tory Taglio Photos



For the exterior of your aluminum clad architectural wall system, choose from a color palette that mimics nature, and ranges from rich and vibrant, to cool and muted. We offer 75 colors in 7 industry-leading palettes, including our unique Textured and Weathered Collections.

Our coating process also leads the industry. We use a superior, highly resilient, AAMA 2605 or textured 2604 powder coated finish. Our 100% fluoropolymer 2605 powder coatings meet or exceed all AAMA criteria and have more surface hardness and scratch resistance than ordinary liquid paint.

Our powder coating process emits almost zero volatile organic compounds and nearly eliminates the generation of hazardous waste.

COLOR STAY™ COLLECTION

| | | | | | | |
|-----------------|-------------------|------------------|-----------------------|--------------------|---------------------|-----------------------|
| White 001 | Linen 032 | French Linen 112 | Morning Dove Gray 113 | Colonial White 313 | Sandstone 003 | Beige 335 |
| Tan 043 | Gull Gray 007 | Seawolf 044 | Fashion Gray 111 | Slate Gray 045 | Battleship Gray 321 | TW Black 061 |
| Black Sable 060 | Slate Blue 008 | Light Blue 046 | Steel Blue 114 | Aqua Mist 115 | Hampton Blue 323 | Sage Green 005 |
| Teal 047 | Hemlock Green 048 | Patina Green 051 | Forest Green 049 | Evergreen 009 | Green 004 | Hartford Green 050 |
| Moss 031 | Greek Olive 081 | Terra Cotta 053 | Clay 026 | ICI Brown 056 | Colonial Red 054 | Harvest Cranberry 010 |
| Burgundy 055 | Deep Plum 116 | Deep Taupe 077 | Antique Bronze 057 | TW Brown 058 | Bahama Brown 309 | Regal Brown 059 |
| Brown 002 | Bronze 024 | Black 023 | | | | |

TEXTURED COLLECTION

| | | |
|--------------------|-------------------|-----------|
| Peppered Steel 110 | Sift Espresso 097 | Mocha 098 |
| Cajun Spice 099 | Pesto 100 | |

WEATHERED COLLECTION

| | | |
|---------------------------|---------------------|--------------------------|
| Weathered Café Royale 104 | Weathered Cocoa 105 | Weathered Brown 034 |
| Weathered Bronze 078 | Weathered Clay 075 | Weathered Red Pepper 106 |
| Weathered Rust 076 | Weathered Basil 107 | |

INDUSTRIAL COLLECTION

| | |
|------------------------------|----------------------------|
| Medium Bronze Industrial 101 | Dark Bronze Industrial 102 |
|------------------------------|----------------------------|

PEARL METALLIC COLLECTION

| | | |
|-------------------------|-----------------------|------------------------|
| El Cajon Silver 068 | Platinum 067 | Light Bronze Pearl 069 |
| Medium Bronze Pearl 070 | Dark Bronze Pearl 071 | |

METALLIC COLLECTION

| | | |
|--------------------|------------------------|--------------------|
| Alpine Silver 062 | Metallic Champagne 063 | Bronze Classic 064 |
| Classic Copper 088 | Copper Penny 065 | |

ANODIZED COLLECTION

| | | |
|------------------------|--------------------------------|------------------------------|
| Clear Anodized 103/332 | Medium Bronze Anodized 096/307 | Dark Bronze Anodized 095/306 |
| Black Anodized 117/353 | Copper Anodized 352 | |

Printing limits our ability to show colors precisely. See your local representative for actual cladding samples.

COMPLETE FEATURES, SPECIFICATIONS & DETAILS.

FEATURES & BENEFITS

Load bearing capabilities.
Thermally broken glazing system with beautiful all-wood interior.
Glazed structural system for residential and commercial applications.
Load bearing engineered system.
Engineered and tested system.
Can incorporate windows and doors into system.
Structural corner units.
NFRC ratings.
Triple glaze option.
Manufactured by the most vertically integrated wood window company resulting in improved quality control and shorter lead times.

STRUCTURAL SYSTEM

BEAMS

Douglas-fir glue-laminated premium select tight knot grade.
Optional Alaskan yellow cedar (for high-moisture conditions) glue-laminated, premium (tight knot) grade.
Lamination by certified laminator.
Light coat of sealer protects wood during shipment and installation; final paint, clear coats or stain by others.

FINISH

Exterior powder coated extruded aluminum in AAMA 2605 finish or optional AAMA 2604 textured finish.
Factory fabricated unit and mullion system.
Include snap on aluminum caps to conceal fasteners.

CONNECTION MATERIALS

Bolts: zinc plated, hot dipped galvanized if required, sizing varies.
Screws: zinc plated, sizing varies.
Plates: galvanized, hot dipped galvanized, painted, or powder coated steel, size and thickness as required.
Exposure: interior and exterior fasteners are hidden unless specified for decorative purposes.
Brackets & reinforcements: high strength aluminum with non-staining, non-ferrous shims for aligning system components.

ENGINEERING

Standard Engineering: Extensive engineering data is maintained to provide initial member sizes and connection requirements related to wind, seismic and gravity loads.
Special Engineering: Specific data is provided for loads or connections.
Stamps: Sierra Pacific Windows will secure necessary engineer stamps with sufficient time allowed.

WARRANTY

Sierra Pacific Windows are supported by one of the strongest warranties in the industry. For complete warranty information, visit sierrapacificwindows.com.

ASSEMBLY

Custom design and production of glazed structural systems for residential and commercial applications. Each unit is custom built for your specific project. An elaborate shop drawing with appropriate architectural details is produced from general concepts submitted by the end-user or from very specific data from a designer/architect. With approved shop drawings, Sierra Pacific craftsmen produce the structure exactly as needed.
Ships KD: preassembled at manufacturing plant; predrilled, marked and labeled.

USGBC LEED® & OTHER CERTIFICATION PROGRAMS QUALIFICATION CATEGORIES OF CONSIDERATION

Regional sourcing.
Recycled content.
Daylighting.
SFI materials.
FSC materials.
Energy conservation.
Indoor environmental quality.

VIEWMAX GLAZING SYSTEM

PRODUCTS AVAILABLE

Vertical and sloped glazing, with one or more end walls (includes structure).
Produced in several styles: shed, gable, circular.
Skylight framing: sloped glazing with structure in styles: flat plane, ridge, hip, circular.
Skylight provided by others.
Structural wood window wall: multiple panels of glazed wall with head and sill closure, may be structural to carry vertical loads of the building.

BEAM SIZE

Finished sizing: 3" or 5" widths, varies to accommodate load required.

TESTING

Structural: ASTM E330. Result: DP 50
Air Infiltration: ASTM E283.
Result: .01 CFM/square foot at 6.24 psf.
Water Resistance: ASTM E331. Result: no leakage at 10 psf.

GLAZING SYSTEM MATERIAL

Aluminum extrusions: Alloy 6063, ASTM B21.
Flashings: 26 gauge or thicker as needed, zincalume coated, PV2 paint or alternate. Stainless steel, powder coated, for corrosive environments.
Gasket: EPDM, .1875 x .6875. Setting blocks: Neoprene, 85 durometer.
Fasteners: C1018 carbon steel, 9-16 shank, 1800 lbs. tensile, 1100 lbs. shear, 56 case hardness (37 core), zinc plating (.0006 min.) and polyvinyl ultraseal coating.
Glass: typical, insulated up to 1" overall thickness; can go larger.

VIEWMAX PLUS GLAZING SYSTEM

PRODUCTS AVAILABLE

Vertical with one or more end walls (includes structure).
Produced in several styles: shed, gable, circular.
Can carry intermediate floor in 2nd story applications.
Structural wood window wall: multiple panels of glazed wall with head and sill closure, may be structural to carry vertical loads of the building.

BEAM SIZE

Finished sizing: 3" and 5" widths, various depths to accommodate load required.

TESTING

Structural: ASTM E330. Result: DP 70.
Air Infiltration: ASTM E283.
Result: at 1.57 psf, infiltration rate was .00 CFM/square foot.
Result: at 6.24 psf, infiltration rate was .01 CFM/square foot.
Water Resistance: ASTM E547 & ASTM E331.
Result: no leakage at 10 psf.
Thermal: NFRC certification.
Approved simulations provide U-factors to .21. Other data based on glass unit make-up.

PRESSURE EQUALIZED GLAZING SYSTEM

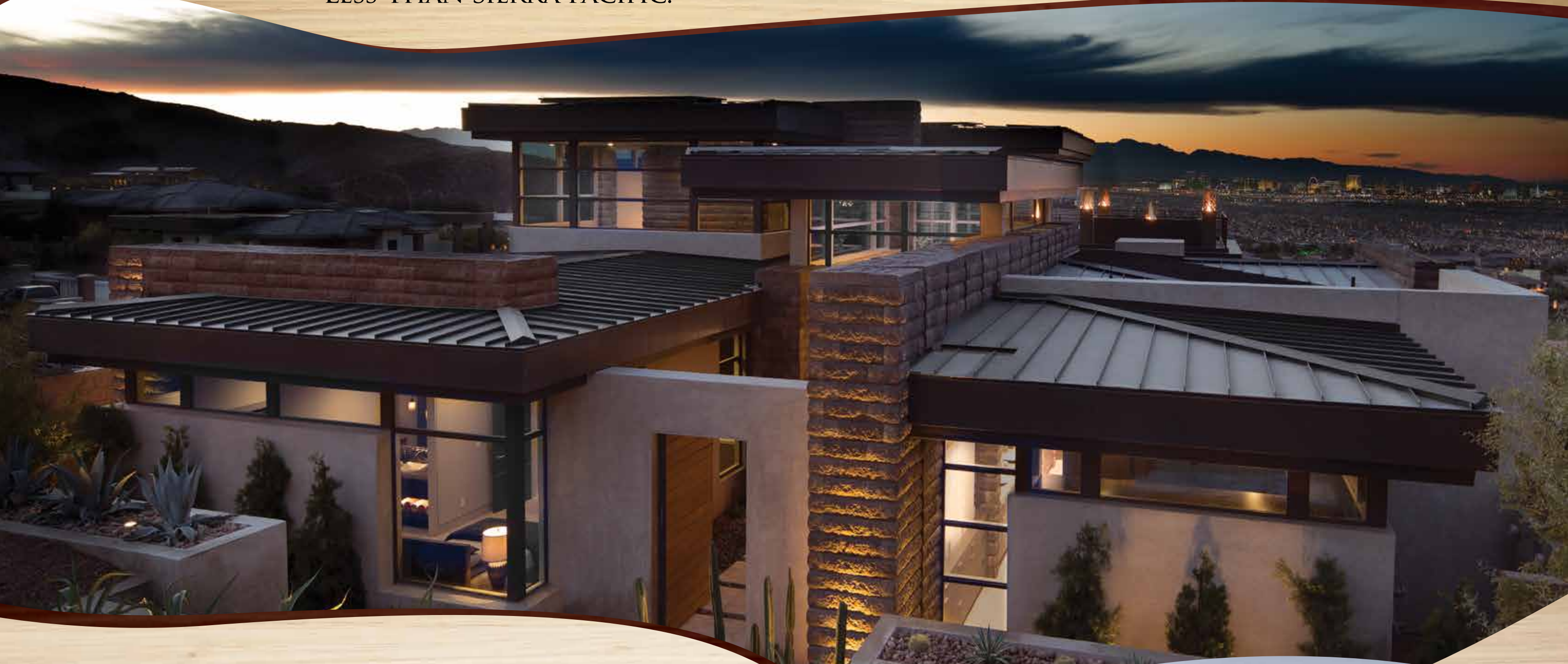
Equalizes air pressure in the glazing pocket between the interior air barrier and exterior rain screen.
Equalizes the pressure difference across the rain screen that would otherwise tend to force water into the system.
Creates isolated, weathertight zones with independent baffled drain systems.

GLAZING SYSTEM MATERIAL

Aluminum extrusions: Alloy 6063, ASTM B21.
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Gasket: EPDM, .1875 x .6875, Setting blocks: Neoprene, 85 durometer.
Fasteners: C1018 carbon steel, 9-16 shank, 1800 lbs. tensile, 1100 lbs. shear, 56 case hardness (37 core), zinc plating (.0006 min.) and polyvinyl ultraseal coating.
Glass: typical, insulated to 1" or 1-1/4" overall thickness; various types as required by code and energy needs.



YOUR CLIENTS DESERVE NOTHING LESS THAN SIERRA PACIFIC.



Sierra Pacific is a trusted source for architectural wall systems as well as windows and patio doors for residential or light commercial use.

As one of the largest window companies in America, we have 3 strategically located manufacturing plants and more than 600 dealers, distributors and company stores to give you unparalleled service. Our ever-growing network of experienced architectural consultants, located across the U.S., is ready to provide assistance and collaborate on specifications, engineering, and design needs.

We offer superb quality and distinctive designs, plus all the styles, features and innovation you demand to complete your vision.



Photographer: Jeremy Bittermann.

OUR 1,900,000-ACRE MANUFACTURING PLANT.



Photographer: Mark Lathrop, Sierra Pacific Industries
Taken on Sierra Pacific land south of the Trinity Alps Wilderness, Trinity County, California

Sierra Pacific Industries manages more than 1.9 million acres of timberland. We're the largest millwork producer in the U.S. and the second largest lumber company.

But our size is only a small part of our story.

We plant 7 million new trees every single year. So 100 years from now, our forests will have more trees—and bigger trees—than today.

Sierra Pacific is the only window company that maintains continuous quality control from the moment our tree seedlings are planted until our beautiful windows are produced, approved and delivered to you.

Upgrade your homes with Sierra Pacific Windows. Talk to your local Architectural Consultant or sales representative about which of our product solutions will work best for your next project.



SIERRA PACIFIC

WINDOWS THAT
NEVER COMPROMISE

