













WESTERN RED CEDAR MODERN ARCHITECTURE SERIES

the CEDAR BOOK XV

WESTERN RED CEDAR LUMBER ASSOCIATION

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WRCLA

CELEBRATING WESTERN RED CEDAR
ARCHITECTURAL DESIGN





WESTERN RED CEDAR MODERN ARCHITECTURE SERIES

the CEDAR BOOK XV



FOREWORD

BY CHRISTOPHER WRIGHT

It was over a decade ago that I first came across an issue of this Cedar Book series, and each year I look forward to the new addition. Even amidst the current abundance of books, magazines, and now blogs and social media platforms for design enthusiasts to share architectural projects, the Cedar Book remains one of my favorite sources of architectural inspiration.

I am drawn to the Cedar Book because of my great love of wood, so I am inspired to see how others worldwide employ Western Red Cedar in their designs. I am delighted to be a part of this year's edition.

My primary task as an architect is juggling the seemingly endless number of competing factors and requirements. I must simultaneously consider the project at all scales, from the most intricate detail to the building's relation to its immediate surroundings and beyond. For me, architecture is about creating spaces where people feel comfortable - places of wonder, beauty, and delight.

My designs result from an interplay of details, textures, form, and place. I'm particularly interested in the experiential quality of architecture, motivated by how space, texture, light, and materials feel. Cedar has a rich experiential quality that contributes to the atmosphere of beauty and natural presence I seek to create. It is a friendly and flexible material that suggests warmth and a connection to nature. It has a tactile quality, smells good, provides excellent acoustics, and has a particular psychological effect on us - a calming and restful effect. Being surrounded by cedar makes us feel good.

It is also a material with thousands of possibilities for use. On a small scale, it has endless possibilities for exquisite detailing. On a larger scale, cedar has great potential to create serene structures intimately connected to the landscape. Structures clad in cedar seem to have a unique ability to appear as if naturally growing out of their surroundings.

I care deeply about the future of the structures I design. What will become of them over the coming fifty, one hundred, or several hundred years? Taken good care of, wood can last generations and is a material that will aesthetically stand the test of time. It is comforting and poetic that the cedar I use will eventually decompose back to the earth or be recycled for other uses.

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ARCHITECT
Giulietti Schouten Weber Architects

STRUCTURAL ENGINEER
Madden & Baughman Engineering

GENERAL CONTRACTOR
Riverland Homes

PHOTOGRAPHY
David Papazian

RESIDENTIAL

LAKE FRONT HOUSE

The clients here wanted to substantially alter an existing home they had recently bought, so that it was more streamlined - easier said than done on a tight, steeply sloping, infill lot that terraces down to Lake Oswego.

Architects Tim Schouten and Jake Weber and their team rose to the challenge by designing a compact, three-tiered plan, with undulating,



LOCATION **Lake Oswego, Oregon, USA**







01







offset boxes strategically embedded into the hillside to maximize views of the water while providing privacy from the neighbors.

The clients also wanted their waterfront property to be more in line with the Pacific Northwest Modern design aesthetic. Ergo, “liberal use of wood” was one of the main goals from day one, and not just any wood, but nature’s most versatile building material.

“Western Red Cedar is a natural choice for a lot of our projects in the Pacific Northwest because it is locally and sustainably sourced and a natural material that withstands the wide variety of environments that we build in,” explains Weber.

With that in mind, they used Real Cedar to accentuate these unique forms including cedar siding on the top two levels, with the top level stained a dark gray color and the middle level stained in a natural cedar color for contrast. The boat house was also clad in vertical tongue and groove siding and stained dark gray to match the house.

DETAILS

GRADE
Clear

SIZE
1x4 fineline T&G eaves/ceiling
1x4 & 1x6 fineline T&G siding

FASTENING
Blind nail, stainless steel

APPLIED FINISH
Semi-transparent stain
Clear stain

WESTERN CEDAR SUPPLIER
Lakeside Lumber





To blur the line between indoor and outdoor, Real Cedar was used on the interior ceilings of the upper level where a large sliding glass door opens to a covered deck with matching cedar ceilings. This choice in material helps draw the view of the lake deep into the space and expand the indoors, out. It also creates a welcoming interior.

“We often find that use of wood indoors also naturally helps warm up the space, especially in the case of modern designs where much of the interior is streamlined and focused on views beyond,” says the award-winning architect.





> We always strive for timelessness in design, and using natural materials like Western Red Cedar is one of the best ways of achieving that."
>
> **- Jake Weber, AIA**

ARCHITECT
Shoji Keisuke Atelier

CLIENT
SHOWA GROUP

GENERAL CONTRACTOR
SHOWA GROUP

PHOTOGRAPHY
Visual Works SPS

COMMERCIAL

IKOI SHOWROOM

If you're a high-end developer looking to attract more clients by highlighting your ingenuity and craftsmanship, not just any showroom will do. That's why residential and commercial builder, SHOWA GROUP, hired Shoji Keisuke Atelier (SA) to design its showroom. The award-winning architect firm knew the facade was key to making an impact on potential customers.

LOCATION **Kakogawa-city, Hyōgo Prefecture, Japan**






02
SHOWA JUTAKU
P




SHOWA

“I expended so much energy on eaves and wall angles and took a process of trial and error on making perfect patterns for the exterior appearance,” explains Keisuke Shoji, lead architect at SA.

He tempered these sharp modern lines with the rich tonal range of Western Red Cedar. The result is a truly striking street entrance that leaves all passersby awe-struck. And creating architecture that stands out in a city of ancient temples, avantgarde storefronts and



cherry blossom parks is no easy feat.

But Keisuke is no stranger to the visual power of Western Red Cedar siding in contemporary design.

“We have used Western Red Cedar several times in the past,” says Keisuke. “We believe Western Red Cedar is irreplaceable as an exterior material.”

The client couldn’t agree more. They were on board from the beginning.



“When I proposed the design to the client, they liked it right away,” he recalls. “They hoped to have a high-impact showroom that no one has ever seen before in Kakogawa.”

“And I believe that’s what we delivered,” continues Keisuke. “The showroom has become more than a place for just meetings. Instead, it’s a place for people to feel comfortable and experience the warmth of wood. The client’s so happy with the completed building, they’ve gone as far as saying, ‘it’s going to be a new landmark in the city.’”

That’s not all. But because they chose top-performing Real Cedar for the building’s most talked about design feature, the Ikoi Showroom will remain a beacon of innovative architecture for decades to come - making it somewhat of a legacy project for both architect and client.

DETAILS

GRADE
KD Clear MG

SIZE
1x6 v-joint T&G

FASTENING
Blind nailed

APPLIED FINISH
Transparent stain

WESTERN RED CEDAR SUPPLIER
Takahiro Lumber Co., Ltd.





“Cedar siding creates warmth and makes a big impact.”

- Keisuke Shoji, Architect

03









ARCHITECT
Patrick Warren

STRUCTURAL ENGINEER
Ennova Structural Engineers

GENERAL CONTRACTOR
Vernon Construction

PHOTOGRAPHY
Ema Peter

RESIDENTIAL

HALFMOON BAY CABIN

A labor of love, Halfmoon Bay was designed as a retreat from the city for (and by) architect Patrick Warren and his partner, a marine biologist. As such, every aspect of the home is an expression of the couple's love and respect for nature.

"The site felt like a national park, and we knew it was the right site immediately," says Warren, who is a Senior Associate at Frits de Vries





LOCATION **Halfmoon Bay, British Columbia, Canada**





Architects + Associates. “We camped on the property to get to know it better. The plan actually emerged from those initial camping visits, and we didn’t want to lose that sense of discovery that you get from camping. If the house was too stiff we would have lost something of the wildness.”

With that in mind, the home was built on a natural bench of the site, preserving almost all of the existing trees on the property. In accordance to minimizing the structure’s footprint, the overall design goal was to create a seamless connection with the outdoors.

“The continuity of the roof form in contrast to the smaller planes of glass wall creates the experience of the roof being primary, and the glass that divides the indoors from out being secondary,” he explains. “The effect very much breaks down the division between the indoors and out. The roof extending over the covered outdoor space connects those spaces and embraces them.”

DETAILS

GRADE
KD Select Knotty
KD ‘A’ and better louvers

SIZE
1x4 T&G fineline soffit & interiors
1x6 T&G fineline siding
2x10 S4S louvers

FASTENING
Stainless steel siding nails

APPLIED FINISH
Semi-transparent onyx stain siding
Transparent stain interiors & soffit

FINISH SUPPLIER
Sansin







Another way he created harmony between site and structure is through the extensive use of beautiful, sustainable Western Red Cedar throughout including siding, soffit, ceiling, walls, kitchen cabinets and louvers. Except for the louvers, he selected a beautiful knotty grade of cedar, which adds a lot of warmth and texture to their beloved sanctuary.

"A house should be a world, unto its own, that emerges from the meeting of the experienced environment with the story of the inhabitant," says the award-winning architect. "And this home is a deeply personal exploration of that idea."

XV





> “The project would have a completely different character without the use of cedar. It is actually impossible to imagine the project without it.”
>
> **- Patrick Warren, Architect**

ARCHITECT
Brett Farrow Architect, Inc.

STRUCTURAL ENGINEER
Solid Plan Engineering - Sean Kessel

GENERAL CONTRACTOR
Brett Farrow Architect, Inc.

DEVELOPER
Laguna Project, LP/Brett Farrow Architect, Inc.

PHOTOGRAPHY
Exteriors - Auda & Auda Photography

MULTI-FAMILY

LAGUNA ROW

For this project, Brett Farrow was a man with many hats. He was the architect, developer and real estate marketer. Of course, taking on so many roles is not without its challenges but it also has some key advantages. Most notably, it gave him greater control over the end product, which is a stunning 13-home urban infill that celebrates natural modern living on a lagoon.

It's a contemporary, multi-family residential project that is anything but cookie-cutter. But more than that, it's a project driven by Farrow's own long standing environmental beliefs. That's why he pursued a redevelopment project that can use existing utilities and allows people to live in a walkable community that does not require a car.

LOCATION **Carlsbad, California, USA**









04





“Equally important to preventing sprawl and traffic is the sourcing of materials and strategies for systems,” explains Farrow. “Primary to this was selecting Western Red Cedar because it’s renewable, durable, naturally beautiful and captures carbon. It’s timeless and yet ages beautifully.”

The desire to harmonize with nature was especially important given the environmentally sensitive setting. He wanted his row of 3-storey detached homes to convey this intention. So, he clad them all in a beautiful knotty grade of Real Cedar siding. It’s a green choice that he could feel good about showcasing so prominently. That’s because Real Cedar is certified by internationally recognized, independent forest certification agencies. It’s also a design decision that significantly enhanced the visual impact of his project’s exterior. After all, nothing looks quite as good as the rich tonal range of Real Cedar.

“It’s a bold statement that says many things on many levels - quality, natural, out of the ordinary,” says the award-winning architect. “Most projects of this type and size revert to stucco or cement board siding but I think people recognized the uniqueness of the application. It definitely drew a different demographic.”

DETAILS

GRADE
KD Select Knotty

SIZE
1x6 T&G fineline square-edge

FASTENING
Stainless steel siding nails

APPLIED FINISH
Semi-transparent stain









> “Knotty cedar tells a story and communicates an authenticity that you don’t get from other siding products.”
>
> **- Brett Farrow, AIA**











ARCHITECT
Bruno Jakobsen Design

STRUCTURAL ENGINEER
Rønslev AS

GENERAL CONTRACTOR
Peter Præst Aps

PHOTOGRAPHY
Bruno Jakobsen, Jakob Lerche

RESIDENTIAL

THE NORDIC BARN HOUSE PROJECT

Set on a hilly, forested plot of land, this spa-like compound is all about communing with nature. Every structure on the property is situated in such a way that all the existing deciduous trees remain untouched and can be experienced from the inside.





LOCATION **Aarhus, Denmark**



This was especially important for the architect, Bruno Jakobsen, who designed the home for his family. Being both client and architect gave him the opportunity to explore his creativity and raise the bar on innovative ways to harmonize with the surrounding ecosystem.

“I allowed myself to play and test new ways of thinking about housing and architecture,” explains Jakobsen. “The project had to benefit the surrounding nature 100%. It was important that everyone in the family should have the pleasure of looking at nature, regardless of where in the house they stay.”









The result is two contemporary longhouses connected by a glass atrium in the middle, along with a workshop, studio, sauna tower, outdoor soaker tub and a goat shed surrounding the wooded landscape. All of which are clad in beautiful sustainable Real Cedar. As are the floating overhangs on both sides, which break up the facades, an architectural detail that gives something completely unique to the whole project.

> “Cedar creates an architecture that only gets more beautiful over time.”
>
> **- Bruno Jakobsen, Architect**



“It was the plan from the start - I’m a big fan of Western Red Cedar,” says Jakobsen of nature’s most versatile building material. “The choice of cedar has clearly moved the project up a level. Cedar creates an expression that other materials can’t imitate.”

Indeed. Not only is this stunning example of authentic Nordic longhouse architecture his place of residence. It’s also his calling card, earning him recognition and accolades from around the world.

“I think the reason this project has touched so many people’s hearts is the harmonization with the forest,” he says. “The total experience with which the whole project is conceived and the consistency with which the materials are put together gives a very unique architectural experience.”

DETAILS

GRADE
KD Clear

SIZE
1x6

FASTENING
Stainless steel siding nails

APPLIED FINISH
None







ARCHITECT
RHAD Architects

STRUCTURAL ENGINEER
Andrea Doncaster Engineering Ltd.

GENERAL CONTRACTOR
Black Diamond Builders

PHOTOGRAPHY
Julian Parkinson, Format Films

RESIDENTIAL

THE MONOCULAR

Nestled in the heart of Nova Scotia's south shore, this gorgeous weekend home is perched high on a hill, away from the water's edge giving it sweeping views of the saltwater basin.

The lower floor of the main house is a simple open concept with a living, dining and kitchen area. The upper floor contains three bedrooms and two bathrooms. There's also a guest bunkie connected by a covered walkway.



LOCATION **Chester Basin, Nova Scotia, Canada**







06





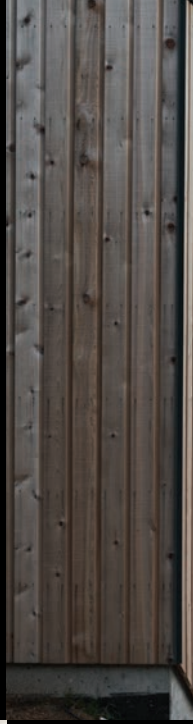
The entire project is clad in vertical and horizontal Western Red Cedar siding and slats. In addition to being a top-performing building material that can stand up to the sometimes harsh Atlantic climate, Real Cedar met two of the clients' main goals: make it low maintenance and energy efficient. Ergo, an obvious choice for lead architect, Rayleen Hill.

"Western Red Cedar provides a natural look that blends with the landscape that surrounds the area," explains Hill. "Cedar is also readily available in our area. It has low embodied energy and acts as a carbon store, making for a good cladding source. It's also a natural material and will minimize waste at its end of life."

One of the standout features is the two-storey, cedar, outdoor shower. The other is the slatted cedar cladding over the screen













porch area that provides a beautiful lantern effect when looking up at the house from the basin.

Adding to the warmth and texture of these two elements is the beautiful knotty grade





of cedar, which the clients opted to leave unfinished so the wood could gray naturally.

"In the setting, we wanted a natural finish to flow with the buildings' shape and require minimal future maintenance," explains homeowner Andrew Noseworthy. "As the product has aged over the first two years, it still has unique colors with each board having its own characteristics."

DETAILS

GRADE
KD Select Knotty

SIZE
1x6 shiplap

FASTENING
Stainless steel siding nails

APPLIED FINISH
None

WESTERN RED CEDAR SUPPLIER
GoodFellow







“The backdrop of Western Red Cedar in both vertical and horizontal lengths looks and smells wonderful in all four seasons.”

- Andrew Noseworthy, Homeowner



ARCHITECT
Vigsnæs+Kosberg Arkitekter

STRUCTURAL ENGINEER
K2 AS

GENERAL CONTRACTOR
Torolf Stenersen AS

PHOTOGRAPHY
Nils Petter Dahle and Claes Heske Ekornaas

"What kind of wood is it?" That's the first thing people usually ask when they first lay eyes on the Outside in House.

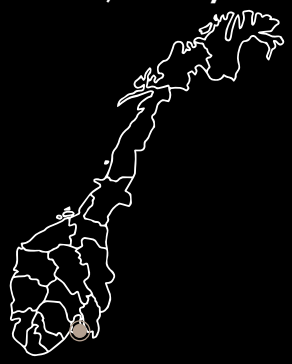
It's a fair question. The entire house is clad in Western Red Cedar, a species of wood that's not as common in Norway as it is in North America and beyond. So, awe-struck visitors and architectural enthusiasts are naturally curious about the building material that made this Scandinavian beach house such a standout.

Not the create team at Vigsnæs+Kosberg Architects though. The award-winning firm is well-versed in the many ways cedar can enhance a residential project. They've used it on other homes featured in the Cedar Book series.

RESIDENTIAL

OUTSIDE IN

LOCATION **Vestfold, Norway**





07

HOUSE





“The feel of the cedar is just special,” explains project architect Claes Cho Heske Ekornås. “It’s extra soft compared to some other materials. And tactility is important when it’s so much wood, to physically touch the walls and “feel” and experience the house.”

For this project, Vigsnæs+Kosberg Architects team really maximized cedar’s versatility with an innovative building program. The first floor houses the living areas and the master bedroom. This area connects to a glass corridor that leads to a courtyard atrium, with swimming pools, integrated waterfalls and lounges. The top floor is for the children with their own room, baths and a loft leisure space.

It’s a truly unique site plan that inspired some equally unique siding applications. Both outside and inside walls feature customized cedar panels. On the inside, they are straight edged, and on the outside each panel has been cut with an angle on the edges to make the pointed form.

“It was important to achieve precision with the tilted panels, and the workability of the cedar wood made it possible to have clean and sharp cuts and edges,” says Ekornås, who’s glad his clients were on board with the use of cedar. “The finished house is confirmation that it was definitely the right choice.”





DETAILS

GRADE
KD Clear

SIZE
1x10 flush joint T&G

FASTENING
Stainless steel

APPLIED FINISH
None





> “Cedar’s benefits enhance the project like no other wood or other material could have done.”
>
> **- Claes Cho Heske Ekornås, Project Architect**







ARCHITECT
hcma

STRUCTURAL ENGINEER
Scouten Engineering

CLIENT
Coast Mountain College

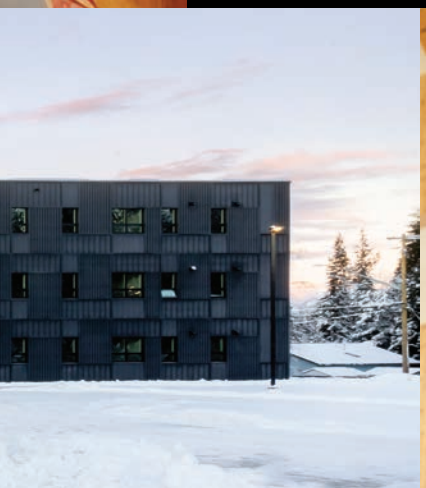
GENERAL CONTRACTOR
IDL Projects Inc

PHOTOGRAPHY
Brit Kwasney

STUDENT ACCOMODATIONS

WII GYEMSIGA SIWILAAWKSAT STUDENT HOUSING

Sitting on the traditional territory of the Tsimshian Kitsumkalum people, Wii Gyemsiga Siwilaawksat is a new student housing building located on the Coast Mountain College (CMTN) campus in the mountainous northwest region of Terrace, BC.





LOCATION **Terrace, British Columbia, Canada**



The goal here was to replace aging facilities with culturally supportive and safe living quarters to empower Indigenous students. As such, the design process was guided by local Indigenous leaders to ensure the building was informed by their peoples' stories, knowledge, customs and way of life.

To articulate this rich history and culture, the Indigenous-led design team turned to the building material of their ancestors.

"The overall design was inspired by sacred cedar," explains Indigenous architect Aiden Callison, Director, Community + Indigenous Projects of hcma - that's the Vancouver-based interdisciplinary design firm brought on to collaborate on this special project.







“The cedar tree is a symbol of the northwest coast,” continues Callison. “Used for shelter, clothing, transportation, ceremony, and spiritual beliefs, cedar has been integral to local First Nations’ culture for thousands of years.”

The result is a beautifully detailed, high-performance cedar-clad building that includes: 108 beds, 6 shared kitchens, dining areas, project rooms, maker space, cultural room, computer lab, E-sports room and bicycle storage.



The heart of the building has to be the cedar-paneled central lobby, a celebration space which mimics a hollow cedar tree. Above, a primary wood pin-wheel structure symbolizes the branches of a cedar tree with shafts of sunlight shining through. As well, cedar was used as a cultural expression through numerous Indigenous art installations.

Named by the Kitsumkalum community, Wii Gyemsiga Siwilaawksat translates in Sm'algyax to "Where learners are content or comfortable." And for CMTN First Nations students like Kobe Antoine, that's exactly what this warm inspired space means to him.

"It makes me want to put in more effort into my work because I finally have the right workspace to think clearly," says Antoine. "It makes me feel acknowledged as a student and I just really want to keep learning here."

DETAILS

GRADE
KD Select Knotty

SIZE
1x6 T&G

FASTENING
Blind nailed

APPLIED FINISH
Semi-transparent onyx exterior
Transparent stain interior

FINISH SUPPLIER
Sansin







> “It felt culturally appropriate for this sacred material to be chosen for this project to create a space that is safe and welcoming.”
>
> **- Karen Marler, Principal of hcma**

ARCHITECT
Sopher Sparn Architects

STRUCTURAL ENGINEER
JVA Incorporated

GENERAL CONTRACTOR
Adolfson & Peterson Construction

PHOTOGRAPHY
Brad Nicol

COMMUNITY

CHUNG TAI ZEN CENTER



Surrounded by mountains and sweeping hills, this Buddhist Monastery needed to meet certain sustainability standards to protect the natural ecosystem around it. Add to that, the Buddhist client's centuries old tradition of living in harmony with the planet. So not just any green building materials would do.

Knowing this, a lot of research and calculations went into Sopher Sparn Architects' decision-making process. In the end, they went with glue laminated timber beams

LOCATION **Boulder, Colorado, USA**






普法禪寺
GREAT DHARMA CHAN MONASTERY





and exposed Cross-laminated timber (CLT) roof panels for this 21,000 square foot meditation hall. It's a choice that offers a minimal carbon footprint and a beautiful aesthetic.

By the firm's calculations, the use of mass timber in this project alone stores 457 metric tons of CO_2, equivalent to keeping 411 cars off the road for a year.

"Ongoing research and studies have shown mass timber construction has a smaller environmental footprint than traditional building materials – it is less carbon intensive and can store more carbon that would otherwise be emitted back into the atmosphere," explains Principal-in-Charge, Stephen Sparn. "These facts helped our team solidify our choice."

In keeping with this natural vibe, they needed an equally sustainable siding material that would complement the mass timber system. They chose beautiful Western Red Cedar to clad the sun-filled place of worship.

From an environmental perspective, top-performing cedar is very much in line with the project's green goals. After all, when it comes to living at one with nature, you can't beat renewable, biodegradable, 3rd party certified Real Cedar. And from a design perspective, the warm glow of cedar's rich tonal range makes it the perfect pairing for mass timber products.

"Together, they evoke tranquility," says Adrian Sopher, Design Principal at Sopher Sparn Architects. "The warmth and natural aesthetic of the wood materials all align with the principles of minimalism and simplicity that are key to the practice of Buddhism."



DETAILS

GRADE
KD Clear VG

SIZE
1x6 fineline T&G

FASTENING
Blind nailed

APPLIED FINISH
Semi-transparent stain

WESTERN RED CEDAR SUPPLIER
Speciality Wood Products



> “Western Red Cedar was a perfect natural and beautiful complement to the building and its natural setting.”
>
> **- Stephen Sparn, AIA**











ARCHITECT
Christopher Wright Architecture

STRUCTURAL ENGINEER
Peter Gintautas Nalis, A.E.C

GENERAL CONTRACTOR
Grapestone Construction

INTERIOR DESIGN
Gary Henderson Interiors

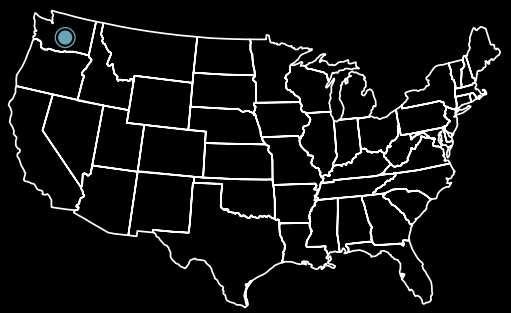
PHOTOGRAPHY
Anna Spencer

RESIDENTIAL

KAYAK POINT HOUSE

Prior to working with Christopher Wright Architecture, the homeowners enjoyed their waterfront property in its natural state for years. They cherished the views and the trees so much, they only wanted to develop it if they could preserve the land's inherent beauty. So when Wright came onboard, the biggest challenge was placing the house among all those beloved trees without removing any or disrupting their root systems.

LOCATION **Stanwood, Washington, USA**



The solution? The central section of the house was not given a foundation. Instead, Wright designed two large steel beams to span and suspend the entry and study, creating a bridge between the bedroom wing and the living, dining, and kitchen areas.

The clients also wanted a single level home to better disappear into the texture of the land. The result is a modest, simple but finely detailed house. “The house is not large but has a great variety



> “The house would not be the same without the richness and sensuality that the cedar provides.”
>
> **- Christopher Wright, Architect (WRCLA member)**

of spatial experiences with a mix of high and very low ceilings," explains Wright. "There is a balance of intimate and expansive spaces. One can almost reach up and touch the cedar ceilings in much of the house."

As a long-time practitioner of biophilic design, Wright knows how important Western Red Cedar is when it comes to increasing connectivity between occupants and the natural world.

"From the beginning, a primary goal was to create calming spaces rooted in the site," says the award-winning architect. "We used cedar for its tactile quality and beauty





and to reflect the immediate surroundings and expansive windows to bring natural light throughout the day. The color and feel of the cedar changes throughout each day and season, providing a wonderful sense of sensory variability."

His appreciation of cedar's ability to enhance a home's look and feel extends to exterior applications as well, which is why he opted for Real Cedar siding. And he's glad he did. "The cedar makes the house what it is," he says. "I can't imagine it clad in any other material."





DETAILS

GRADE
KD Clear VG siding KD Clear VG paneling KD Clear VG
KD Select Knotty ceiling

SIZE
1x6 siding and ceiling

FASTENING
Blind nailed

APPLIED FINISH
Solid stain
Semi-transparent weathering stain

WESTERN RED CEDAR SUPPLIER
Sound Cedar Co.



ARCHITECT
Arkifex Studios

STRUCTURAL ENGINEER
J&M Engineering

GENERAL CONTRACTOR
Brad King

PHOTOGRAPHY
Aaron Kimberlin

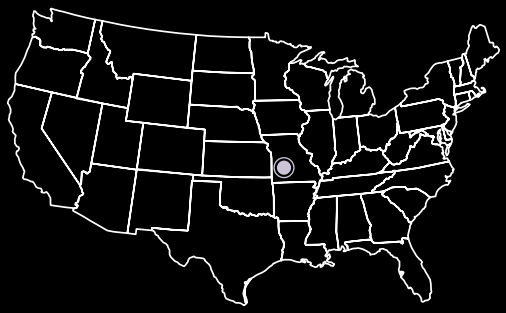
RESIDENTIAL

SHIBUMI HOUSE

Tucked in the Ozark Mountain region of southwest Missouri, this home is only a 10 minute drive to the nearest city and yet, it almost disappears into the surrounding forest and feels miles away from civilization. And that's exactly the point.

"Seeking escape from the corporate environment, the clients came to Arkifex with a simple desire," explains lead designer Blaine Whisenhunt. "And that desire was

LOCATION **Strafford, Missouri, USA**















to design a house that had a zen-like feeling when they came home from their busy executive jobs."

As well as creating a sanctuary in the densely treed and rolling hills, the design concept was largely informed by the architect's appreciation for Japanese architecture. So when it came to siding, they turned to an ancient method of wood finishing: shou shugi ban.

For optimal results, they knew the best wood for the job could only be Western Red Cedar. That's because cedar's naturally occurring chemical properties make it ideal for this technique.



> "The use of cedar allowed the design concept to be coherently expressed and provided a warm and natural feel to the material palette."
>
> **– Blaine Whisenhunt, Design Principal Arkifex Studios**





DETAILS

GRADE
KD Select Knotty

SIZE
1x6 T&G flush-joint

FASTENING
Concealed stainless steel siding nails

APPLIED FINISH
Semi-transparent stain Shou sugi ban

WESTERN RED CEDAR SUPPLIER
BlueLinx

To create even more visual interest, the dark minimalist facade is contrasted by a dramatic, asymmetrical alcove clad in naturally finished cedar. The two tones against each other make for a striking juxtaposition that has become the most talked about design feature of the home.

“The use of natural materials was important and using cedar in both natural and charred applications allowed the concept to be expressed,” says Whisenhunt, “but also







allowed the house to blend into the heavily wooded site."

Through strategically placed windows, slats and eaves, the Arkifex team ensured the benefits of nature's most versatile building material could be enjoyed from within the family residence too.

"The cedar application in this design was intended to serve as a visual transition and connection to the surrounding natural setting - a way to connect the inhabitant to nature seamlessly through design," says Whisenhunt. "So, in this way cedar helped us meet our biophilic design goals."











ARCHITECT
Murdough Design Architects: Tom Murdough, Jenny Tjia, Robert Potish, Ben Tulman

STRUCTURAL ENGINEER
Engineer: RSE Associates

GENERAL CONTRACTOR
Wood and Clay, Inc.

CLIENT
Julia Gentleman Byers and Steven Holtzman

PHOTOGRAPHY
Clayton Boyd

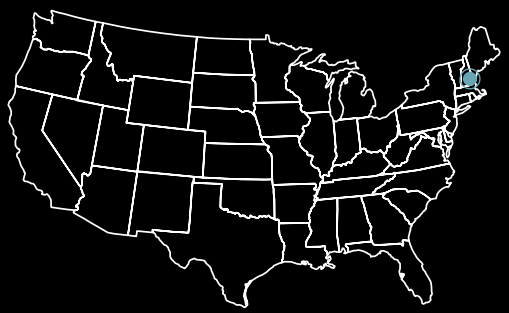
RESIDENTIAL

SHORELAND OVERLOOK

When building on a slope that leads down to renowned Squam Lake, minimizing your environmental impact is paramount. That's because the pristine, clear waters are a nesting site for loons, eagles, and great blue herons. It's also home to many fish species, including bass, pickerel, perch, trout, and salmon. And then there's the surrounding forest, an intricate ecosystem in and of itself but also a crucial component to protecting the marine habitat below.



LOCATION **Squam Lake, New Hampshire, USA**



Murdough Design Architects took this responsibility very seriously and let it guide every design decision for this weekend retreat. The result is a stunning vacation home that harmonizes with the wooded landscape while minimizing impact on the shoreline.

“The building feels like it is part of the site - it is both rooted and an outgrowth of its place,” explains lead architect, Tom Murdough. “The building volumes recede into the landscape and have a minimal presence from the lake. The massing and the rooflines follow the natural topography of the crescent-shape slope and are situated to take advantage of views and access to the landscape.









> “Beyond the performance advantages, we select Western Red Cedar for most of our projects for its clean and quiet grain pattern and its warm, soft coloration.”
>
> **- Tom Murdough, AIA**



"As one moves through the home," he continues, "spaces and views unfold, allowing the site's natural features to reveal themselves through an architectural framework of linked vantage points and framing devices. This is most heightened at the entry breezeway and covered bridge, where these elements join the disparate architectural geometries of the adjacent buildings." As well as an innovative building program, choice in materials played a major role in creating seamless connection between structure and site. With that in mind, Murdough opted to use naturally beautiful, sustainable Western Red Cedar extensively throughout.

"The building's exterior is restrained and camouflaged in the wooded site with dark stained cedar siding favoring the shadows and glazing either disappearing or reflecting the surroundings," says Murdough. "Inside, Western Red Cedar was used to create a warm and calm environment that intentionally highlights the natural landscape beyond."

DETAILS

GRADE
KD, VG - 'A' and Better

SIZE
1x6 T&G v-joint

FASTENING
Blind nailed

APPLIED FINISH
Semi-transparent stain siding
Transparent stain paneling

XV



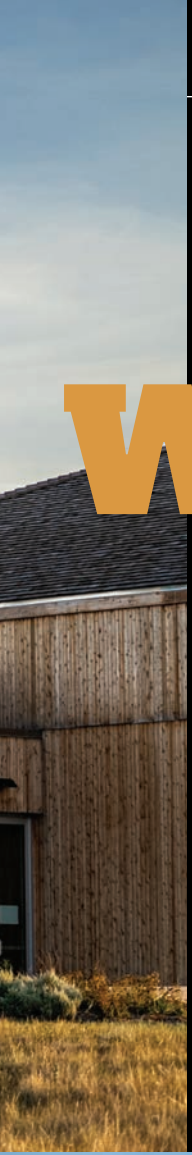




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ARCHITECT
aodbt architecture + interior design

STRUCTURAL ENGINEER
Robb Kullman Engineering LLP General

CLIENT
Wanuskewin

GENERAL CONTRACTOR
Quorex Construction

PHOTOGRAPHY
Garrett Kendel, King Rose Visuals

INDIGENOUS INTERPRETIVE & CULTURAL CENTRE

WANUSKEWIN

Wanuskewin Heritage Park is a National Historic Site. So, when taking on a renewal project to restore and expand its Interpretive & Cultural Centre, respect must be paid. That's something the creative team at aodbt architecture + interior design understood from the get-go.

Community engagement on the project was extensive, continuous, and crucial to the success of the project, according to aodbt. At the outset, approximately 80 stakeholders were brought into a series of project visioning sessions. These sessions, which were



LOCATION **Saskatoon, Saskatchewan, Canada**



all kicked-off by a ceremony led by Elders, aligned the project goals and began to prioritize the requirements in the building.

Wanuskewin is a Cree word that means “living in harmony” or “peaceful gathering place.” For aodbt, this meant transcending the line between the natural and built environment with a structure that reflects the rich culture and history of the Indigenous Peoples of the Northern Plains.

“A prominent component of Wanuskewin is the roof, characterized by sweeping slopes and angular forms that suggest







tipis and bison among the rolling prairies," explains aodbt architect Ted C. Engel. "The importance of the circle and the four cardinal directions are expressed in many aspects of the built environment."

The roofing material is hand-split cedar shakes. The process of splitting shakes by hand renders the wood impervious to moisture, and sheds water remarkably well.



“Western Red Cedar, while a Canadian species, is not native to Saskatchewan,” remarks Engel. “However, like tobacco, it is an important component of Indigenous culture.”

In addition to honoring the traditions of the local community, using sustainable Real Cedar throughout the exterior and interior of the facility also met the Elders’ mandate to make this project as eco-friendly as possible.

And as Engel points out, the spiritually significant cedar “exhibits an interesting dual interplay of being remarkably durable, yet weathering to a beautiful grey patina – a perfect combination when creating a lasting prairie aesthetic.”

DETAILS

GRADE
KD Select Knotty

SIZE
1x4 T&G
2x10

FASTENING
Stainless steel

APPLIED FINISH
None







> “Wanuskewin rises from the prairie as an organic form. The building employs components and materials that are harmonious both with the surrounding landscape and with the traditions of Indigenous Peoples of the Northern Plains. One material that is uniquely suited to this form and tradition is cedar.”
>
> **- Ted C. Engel, Architect, aodbt architecture + interior design**

ABOUT REAL CEDAR

WESTERN REAL CEDAR LUMBER ASSOCIATION

The 15th volume of the Cedar Book profiles stunning and award-winning architecture from inspired designers around the world. These architects continue a tradition that started centuries ago when the Indigenous Peoples of the Pacific Northwest recognized the value of using this unique wood species.

First Nations people recognized Western Red Cedar's natural durability, stability, versatility and beauty, making it the preferred choice for building ocean-going canoes, ceremonial dance masks, totems, basketry, clothing and post-and-beam houses and lodges. Today's discerning architects and builders enhance their projects with this stunning, versatile and sustainable building material.

Nature still knows best. Despite all efforts at imitation, no man-made product can match the beauty, performance and longevity of Western Red Cedar– something this book, as well as the RealCedar.com online gallery, undoubtedly illustrates.

Western Red Cedar is one of nature's truly remarkable materials. It absorbs and stores carbon, generates less water, air pollution and requires less energy to produce than alternatives. And it comes from a renewable and sustainable resource.

By choosing products with a light carbon footprint and by reducing waste, we can have a real impact on climate change now, and into the future. As part of their commitment to transparency, the Western Red Cedar Lumber Association has Environmental Product Declarations available for siding, decking and other products. We hope this book inspires you to consider Western Red Cedar for siding, paneling, trim boards, decking, fencing, soffit and outdoor structures on your next project.

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RESOURCE CENTER

FOR ARCHITECTS

INNOVATIVE TOOLS TO KEEP YOU ON THE LEADING EDGE OF SUSTAINABLE ARCHITECTURE AND WOOD DESIGN.

Founded in 1954, the Western Red Cedar Lumber Association (WRCLA) is a non-profit organization that represents reputable producers of quality cedar. As the voice of the cedar industry, our mandate is twofold. The first is to promote the many virtues of Real Cedar.

The second is to educate, support and equip architects with the right tools to meet their environmental and design goals. Actually, if truth be told, our mission is to help you surpass client expectations with every project you design and build.

With that in mind, we're thrilled to announce we recently opened our membership doors to architects. This way, we can better facilitate your architectural needs and help keep you on the leading edge of innovative and sustainable wood design.

And if you're an architect looking to grow your business, becoming a member means greater reach to potential clients. As a member, your firm will be listed on realcedar.com (1,200,000 visitors per year). Your member profile will also include a direct link to your website, putting more eyes on your portfolio.

As well as enhancing your lead generation strategy, you'll also have a direct line to the WRCLA field reps who can offer technical and logistical expertise with our architect advisory services.

1. CONTINUING EDUCATION UNITS (CEUS)

As part of the WRCLA's ongoing continuing education program, every year we produce new CEUs via *Architectural Record* and/or *Architect magazine*. These AIA-accredited courses are free for design and construction professionals looking to enhance their expertise and earn learning units.

Covering a wide range of timely architectural topics, our extensive library is there to help you broaden your knowledge of wood design and meet your licensing requirements. Simply select the CEU of your choice, read the designated article and answer test questions at the end to receive certification.

2. ENVIRONMENTAL PRODUCT DECLARATIONS (EPDS)

Whether it's a community project with multiple stakeholders, a commercial development or single family dwelling, chances are your next architectural brief is going to include rigorous environmental requirements. This presents an exciting challenge for builders and designers - a chance to mitigate the impact of new builds on the planet.

In addition to innovative design, meeting these goals requires certified sustainable building materials. Products purporting to be "green" without the science to back up will not do. Savvy eco-minded clients and local regulators for environmental compliance often require independent research to quantify eco claims.

At WRCLA, we take pride in our commitment to sustainable architecture. That's why we commission and regularly update our 3rd party Environmental Product Declarations (EPDs) for our siding, decking and lumber products.

In accordance with the International Organization for Standardization, every aspect of our products' impact on the environment is measured and compared to similar products using the Life Cycle Assessment (LCA) method. The results? From production to construction to end-of-life, Real Cedar is one of, if not, the greenest building materials you can choose. And these EPDs provide comprehensive, irrefutable proof of that statement, so you and your clients can make the most informed decisions.

3. ARCAT - ARCHITECTURAL INFO AT YOUR FINGERTIPS

Specifying building products for your next project just got a little easier. That's because free, downloadable Real Cedar specs for Western Red Cedar siding and trim are now available on ARCAT.

The WRCLA proudly provides this customized online service to streamline your proposal, design and installation processes. ARCAT's platform provides, among other things, visual concepts with exacting measurements. These digital documents can then be used to optimize in-house communications with your firm as well as simplify and enhance client interface.

Quoting clients, calculating coverage and ordering Real Cedar products for all your projects is more efficient with ARCAT - be it detailed interior work on a renovation job or mass cladding on a new multi-family housing development.

4. TRAINING & SEMINARS

Enhance your expertise and earn licensing credentials with a Real Cedar seminar. Our Real Cedar specialists offer these AIA-accredited training sessions online and in-person. It's an opportunity for you and your team to earn Learning Unit Credits while increasing your knowledge of wood products in general and particularly with Western Red Cedar.

Seminars can be customized according to your level of knowledge and learning objectives. Our experts offer a wide scope of subjects including the latest in green building innovation and creating biophilic spaces using Real Cedar.

They also offer very practical overviews for achieving a variety of desired looks with cedar - key areas here include choosing patterns and profiles to create specific types of texture and shadowing as well as best practices for siding installation, finishing and maintenance.

In turn, you'll be in a better position to provide your clients with the best advice on incorporating this unique and remarkable species in their project.

VISIT OUR RESOURCE PAGE TO LEARN MORE ABOUT OUR TOOLS:
WWW.REALCEDAR.COM/ARCHITECT-TOOLS/

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Need help selecting, specifying or sourcing the right Western Red Cedar products?
Contact the Western Real Cedar Lumber Association and we will be glad to assist.

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