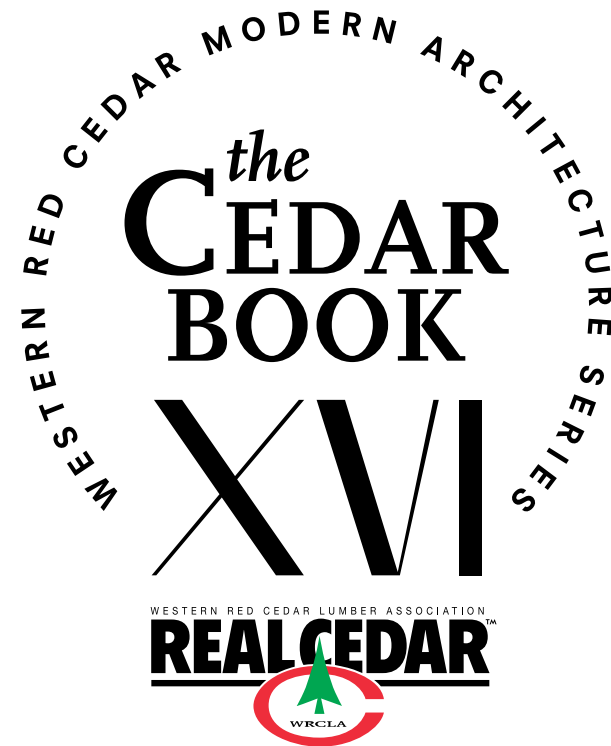


CELEBRATING WESTERN RED CEDAR ARCHITECTURAL DESIGN



# FOREWORD

BY *TIMOTHY SCHOUTEN, GSW Architects*



Is there any single material more synonymous with the Pacific Northwest or Rocky Mountain region than Western Red Cedar? This issue of the Cedar Book explores projects here in the western USA and beyond, focusing yet again on why we, as architects, keep coming back to cedar, our first choice in designing wood exteriors and interiors.

Looking back, I think my very first pre-architecture project in school was a design of a lakefront cabin in the Idaho mountains. It featured a large wood deck and tall ship's-prow glass wall fronting the lake with large overhangs and cedar-soffited eaves. The signature siding at the time was naturally stained cedar installed at 45-degree angles. The architecture was classic 70's. Of course it was a lakefront cabin, look at all that wood!

Architectural design and materials have evolved quite a bit since then as we all know. The signature gabled ship's-prow roofline has been replaced with endless styles of modern rooflines and forms. Angled-channel siding now competes with vertical or horizontal T&G, Fineline profiles, old school V-Groove, and the list goes on. Yet, Western Red Cedar has continued to evolve and be the modern, beautiful choice for any architectural style. From urban modern to rustic farmhouse, its warmth, clean lines, and timeless simplicity keep it at the forefront of modern design. The choice for architects is always clearly cedar.

This book examines innovative and beautiful architecture around the world with cedar as its underlying theme. Here in our office, it's not a coincidence our most notable projects have all had Western Red Cedar as their main exterior material. It's easily available, timeless while at the same time extremely modern, simply beautiful, and above all else, naturally grown and re-usable in so many ways.

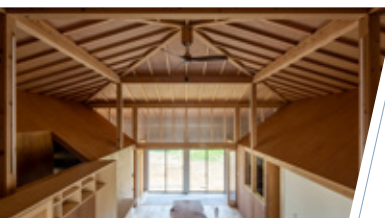




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# FIVE COVE HOUSE

ARCHITECT  
**RHAD Architects**

STRUCTURAL  
ENGINEER  
**Able Engineering**

GENERAL  
CONTRACTOR  
**Black Diamond Builders**

PHOTOGRAPHY  
**Julian Parkinson**

**O**n the rugged edge of Nova Scotia's south shore, the Five Cove House proudly stands against the forces of nature. Situated on an island connected to the mainland by a narrow causeway, this dwelling is surrounded by five distinct coves and minimal tree cover. The site's beauty is only matched by the harshness of the weather.

"We aimed to offer expansive sea views while also ensuring protection against these varied climatic conditions," explains RHAD Architects Principal Architect, Rayleen Hill.

Thus, strategic planning led to the creation of three courtyards, each catering to different sun and wind patterns. Ensuring longevity and comfort, the house incorporates sustainable

LOCATION **Marvin's Island, Nova Scotia, Canada**





features like heat pumps and a backup propane generator in anticipation of hurricane-triggered power outages.

Amidst these design intricacies, Western Red Cedar plays a starring role. “The entire exterior is crafted from Western Red Cedar siding,” says Hill. “Given the proximity to



the salty coastline, the client knew the value of this material.”

The RHAD team also wanted to echo the local vernacular of shed buildings commonly seen along the south shore. Which is why the Five Cove House is a meticulously designed one-storey abode.

“It’s conceived as a cedar-clad shed form that’s been innovatively adapted,” adds Hill. “Through a series of architectural moves, we’ve created unique moments for entry, gathering with friends, and quiet repose.”





As for finishing, they opted to let the home weather naturally, eventually turning an elegant silvery grey. It's a design decision that really highlights cedar's versatility as well as its durability in the face of a salty coastal environment.

Above the north facing deck, Hill opted for a solid Western Red Cedar soffit and for the east facing covered deck, used an exposed 2x10 Western Red Cedar structure to allow sunlight to pass through.

XVI

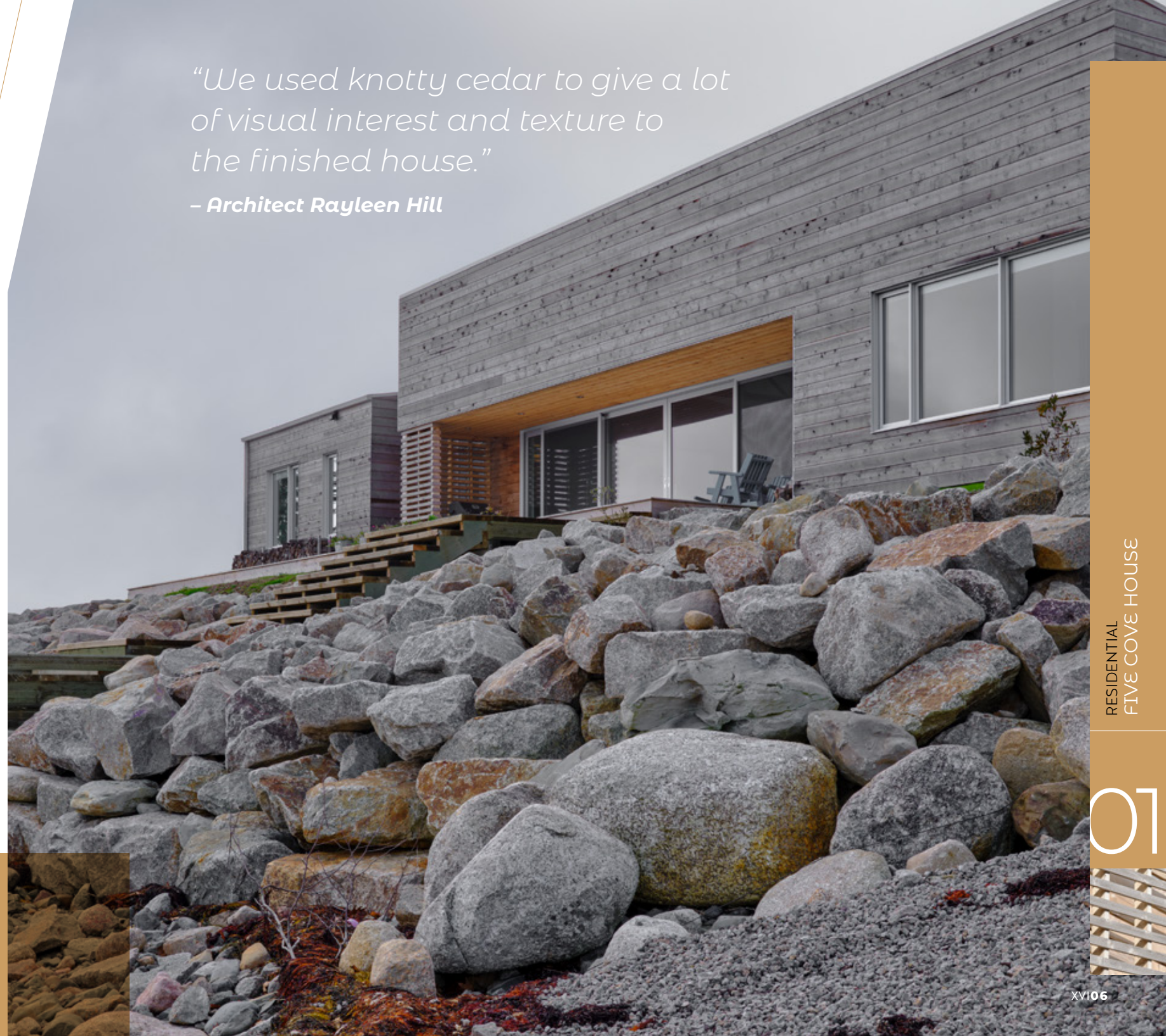


## DETAILS

GRADE	SIZE	FASTENING	APPLIED FINISH	WESTERN CEDAR
<b>KD Select Knotty</b>	<b>1x8 shiplap</b>	<b>Stainless steel siding nails</b>	<b>None</b>	<b>SUPPLIER</b>
				<b>Goodfellow</b>

*"We used knotty cedar to give a lot of visual interest and texture to the finished house."*

**– Architect Rayleen Hill**







Perched high above the mighty Columbia River, this unique dwelling offers 180-degree views of the Gorge and the city of Hood River. Designed by Giulietti Schouten Weber Architects, the home's innovative layout was very much dictated by the property's long, narrow forested site. "Two simple gable cedar boxes with metal roofs, connected by a covered walk, lead you into this two-level house," explains Timothy Schouten, lead architect for this project. "The orientation of the living spaces to the south allows the residents to soak in the breath-taking panorama."

From the outset, environmental considerations were integral to the design. By minimizing the house's footprint and incorporating features

LOCATION **White Salmon, Washington, USA**



# COLUMBIA BLUFF HOUSE

ARCHITECT  
**Giulietti Schouten  
Weber Architects  
GSW/A**

STRUCTURAL  
ENGINEER  
**Structural Department**

GENERAL  
CONTRACTOR  
**AK Builders Inc.**

PHOTOGRAPHY  
**David Papazian**





such as solar roof panels, the team was able to achieve remarkable sustainability.

Another way they minimized the house's footprint was through material choice. Real Cedar was used extensively throughout the home including the exterior walls, the covered walk, and the covered deck ceiling soffits.

The GSW/A team knows opting for sustainably harvested wood, such as Real Cedar, is a green choice. Not only is it a renewable resource, but it helps fight climate change by capturing and storing carbon from the atmosphere.



*“Cedar brings an essential touch of local character and warmth to the home.”*

*– Timothy Schouten, AIA*



Cedar is also a versatile building material. For this project, they pre-aged the cedar with a special treatment, allowing it to naturally age with the weather, enhancing the warmth of the exterior and the building's affinity with its surroundings.

The wood's rich tonal range also worked beautifully with the other materials. "The warm natural cedar siding and complementary dark bronze metal roof and windows caught everyone's attention," says Schouten.

In terms of grades, they selected a beautiful knotty grade of cedar. According to Schouten, "Tight knot T&G cedar was the perfect choice, its weathering characteristics allowing it to age gracefully over time and its simple, uncluttered appearance enhancing the simple exterior forms."

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## DETAILS

GRADE <b>Select Knotty</b>	SIZE <b>1x4 Fineline</b>	FASTENING <b>Blind nail</b>	APPLIED FINISH <b>Weathering treatment</b>	WESTERN CEDAR SUPPLIER <b>Lakeside Lumber</b>
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# HOUSE IN KASHIMA

ARCHITECT  
**Satoru Ito,  
Satoru Ito Architects  
and Associates**

STRUCTURAL  
ENGINEER  
**Noriaki Yamada, Yamada  
Noriaki Structure Design Office**

GENERAL  
CONTRACTOR  
**Woody House**

PHOTOGRAPHY  
**Satoru Ito**

In Ibaraki Prefecture, Japan, where farming meets residential living, the House in Kashima is the result of centuries-old, woodcraft techniques applied to modern architecture. “The structure features a cantilever inspired by the Japanese traditional technique mainly used for building temples and shrines,” explains lead architect, Architect Satoru Ito.

To bridge the gap between traditional and contemporary aesthetics, Ito turned to Real Cedar. Its versatility and timeless appeal made it the best material to complement both aspects of the design.

In addition to honoring the site’s historical context, the Kashima dwelling is a shining example of how

LOCATION **Kashima-city,  
Ibaraki Prefecture, Japan**





mindful design combined with the right building materials can enhance the quality of life for inhabitants. In this case, a couple with two young kids.

“We installed eaves and decks to connect the outside and inside seamlessly,” says Ito. This approach emphasizes the fluidity between nature and the living area, a key aspect of Japanese architectural philosophy.

For the interior program, the clients envisioned a flexible living plan for their family’s future needs. Ito delivered this through a design that

allows for variable room arrangement. He also delivered on the clients’ wishes for a home that boasts a net carbon sink.

“We looked at how the house can reduce environmental burden, focusing on energy and water usage, and making the structure as environment-friendly as possible,” he says.

Choosing Real Cedar was pivotal in achieving these sustainability goals. It’s renewable, biodegradable and energy-efficient. Plus, it fights climate change by capturing and storing carbon from the atmosphere.

*“We chose cedar for its beauty, durability and cost.”*

**– Satoru Ito, Architect**





Ito also appreciates Real Cedar for its aesthetic and functional properties. Its natural resistance to rot, decay, and insects, thanks to inherent bio-compounds, makes it ideal for both siding and decking. He further explains, “Western Red Cedar gives the project an attractive look and excellent durability.”

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## DETAILS

GRADE

**Decking - 'A' Clear,  
Siding - KD 'A' Clear**

SIZE

**Decking - 3x3,  
Siding - 1x4**

FASTENING

**Stainless  
steel nails**

APPLIED FINISH

**Cedar-toned  
semi-transparent stain**

WESTERN CEDAR

**SUPPLIER  
Takahiro Lumber Co., Ltd.**





# HILLTOP HOUSE

ARCHITECT  
**Giulietti Schouten  
Weber Architects  
GSW/A**

STRUCTURAL  
ENGINEER  
**Madden & Baughman  
Engineering**

GENERAL  
CONTRACTOR  
**JDL Development Inc.**

PHOTOGRAPHY  
**David Papazian**

Tucked away in the heart of the West Hills, a mere 5-minute drive from the hustle and bustle of downtown Portland, this hidden gem effortlessly blends into the surrounding verdant landscape. The narrow, winding road leading up to this secluded haven opens into an enchanting vista with a panoramic view of the cityscape. A stunning property, indeed. But the original home on this lot desperately needed a complete overhaul. Enter GSW Architects.

“This was a complete down-to-the studs transformation and addition,” explains Tim Schouten, Principal at GSW Architects. “The owners loved the site, but not anything about the house and wanted to transform the 80’s style tract home into a modern urban home.”

LOCATION **Portland, Oregon, USA**





The reimagined entryway steals the spotlight, replacing the small roofed porch with a grand statement. “The new entry is a big statement now versus the small roofed porch. The biggest change is the new kitchen with homework/breakfast nook next to the bright mudroom/ enclosed breezeway leading to the backyard pool and garage,” shares Schouten.

Western Red Cedar was the material of choice for this undertaking. “It’s one of our favorite materials to use on homes here in the Pacific Northwest,” says the award-winning architect. “WRC in a vertical T&G was our first and only choice for the entire front façade. It was a perfect match for the sawtooth roofs and angled windows to add drama and enhance the simplicity of the modern front elevation.”



*“Cedar is readily available and works well with different modern types of design from ranch style or MCM styles to the more modern urban designs.”*

**– Tim Schouten, AIA**





The warmth of the cedar façade ties the structure to the site seamlessly, much to the delight of the homeowners. As Schouten recalls, “They liked the initial renderings which showed a complete transformation using vertical T&G and newer roof lines. After the house was sided, they loved how the warmth of the natural cedar ties everything together.”

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## DETAILS

GRADE

**'A' & Better Clear,  
smooth face**

SIZE

**1x4 Finline T&G,  
vertically installed**

FASTENING

**Blind fastened, stainless  
steel siding nails**

APPLIED FINISH

**Cedar-toned  
semi-transparent stain**

WESTERN CEDAR

**SUPPLIER  
Lakeside Lumber**







# ART BARN

ARCHITECT  
**Weiss Architecture  
and Urbanism  
Limited, Kevin Weiss**

STRUCTURAL  
ENGINEER  
**Enrique Tabak**

GENERAL  
CONTRACTOR  
**Lang Construction,  
Riley Halligan**

PHOTOGRAPHY  
**David Whittaker**

In rural southeastern Ontario, where the landscape is adorned with forests and lakes, stands the Art Barn, an embodiment of contemporary architecture's synergy with nature. Designed for an artist and her mother, this project is a harmonious blend of Western Red Cedar's timeless charm and modern design principles, nestled in one picturesque setting.

The structure, serving both as an expansive art studio and a family retreat, integrates gracefully with its environment. Lead architect, Kevin Weiss, describes the upper level as "a simple large art studio," highlighting the project's dedication to creative space. Below, a suite offers a haven for family visits, blending functionality with warmth.

LOCATION **Rural South Eastern Ontario, Canada**





Connecting to an existing garage, the Barn's design includes a 'dog-trot' that elegantly frames the pastoral landscape. Careful planning went into the orientation and design of the building. "The Art Barn is cranked in plan so that a large clerestory window is fully exposed to true north," Weiss points out, emphasizing the critical role of natural light for artistic endeavors.

The cedar siding, meanwhile, resonates with the local architectural vernacular. "The board and batten WRC cladding is not an uncommon historical cladding system around the rural community," Weiss states, illustrating how the project pays tribute to traditional methods while embracing contemporary aesthetics.

*"As cedar ages, it becomes even more beautiful, and its durability goes hand in hand with its aesthetic appeal."*

**– Kevin Weiss, Architect**

As the Art Barn ages, its natural WRC exterior will gracefully blend into the surrounding landscape. "It is unfinished, and as it greys and patinas, the Art Barn looks more and more like it has been on the property always," the architect muses, showcasing the material's ability to evolve over time.





Cedar's organic transformation not only complements the landscape but also reflects the evolving nature of the artistic work within. "As the architect, I love seeing the space messy and heavily used as a place for art making," says Weiss.

XVI



## DETAILS

GRADE	SIZE	FASTENING	APPLIED FINISH
<b>KD Select Knotty</b>	<b>1x8, 1x2</b>	<b>Stainless steel siding nails</b>	<b>None</b>





Amid the vast and icy landscapes of Alaska, where the ethereal Aurora Borealis dances across the night sky, lies the Aurora Villa. Masterfully designed by Sparano + Mooney Architecture, this boutique hotel is a luxury getaway where international tourists and adventure-seekers converge to witness the mesmerizing Northern Lights in an environment that blends seamlessly with its natural surroundings.

The Villa's design, focusing on the nocturnal experience of the Northern Lights, features dimmed LED lighting to ensure optimal conditions for viewing and photography, while minimizing light pollution and its impact on wildlife. This thoughtful approach extends to the lodge's environmental footprint, demonstrating a deep respect for the natural world.

LOCATION Fairbanks, Alaska, USA



# AURORA VILLA

ARCHITECT  
**Sparano + Mooney  
Architecture**

STRUCTURAL  
ENGINEER  
**Gregory Liebl**

GENERAL  
CONTRACTOR  
**Johnson River  
Enterprises LLC**

PHOTOGRAPHY  
**Hangfei Zhang**

BOUTIQUE HOTEL  
AURORA VILLA

06



Considering the site's terrain, the award-winning team of architects faced a unique challenge: creating a structure that respects and enhances its secluded, hilltop setting, while withstanding the extreme Alaskan climate. The choice of materials was pivotal.

"For the villa's exterior, we chose Western Red Cedar for its natural beauty, availability, and alignment with the

regional vernacular," explains principal architect John Sparano, FAIA.

The cedar cladding and soffits not only fit contextually within the wooded landscape, they also play a crucial role in the building's top-performing, highly-insulated envelope and energy-efficient systems: Western Red Cedar is a superior natural thermal insulator, and in fact, with its low density and

high proportion of air spaces, cedar outperforms brick, concrete and steel.

Selecting cedar also reflects a deep understanding of the client's desire to create an architectural structure that resonates with the location's rugged charm.

To that end, Sparano + Mooney Architecture specified Select

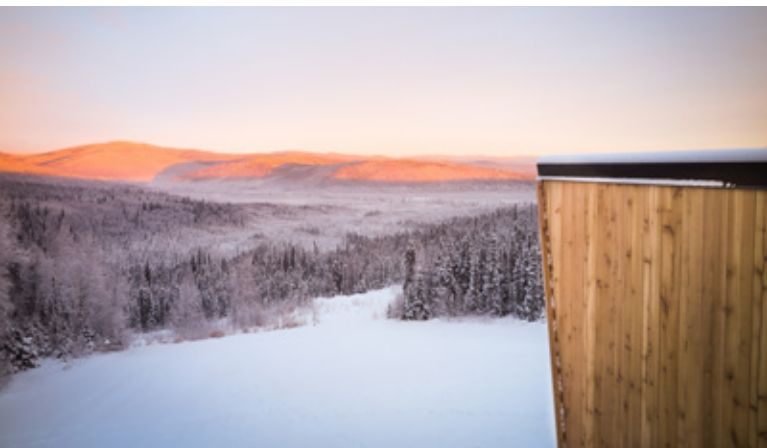




Knotty cedar products, embracing the material's intrinsically-appealing character and texture: As Sparano explains, "We specified this grade and finish to create a more rustic, less formal appearance than other options and to maintain the natural beauty of the wood."

The result is a welcoming environment for guests, where the authenticity and warmth of Western Red Cedar is an integral part of the visitor's experience.

XVI



*"The cedar cladding is appropriate to the location and context of the mountain and alpine landscape."*

**- John Sparano,  
FAIA, Principal Architect**

## DETAILS

GRADE	SIZE	FASTENING	APPLIED FINISH
<b>KD Select Knotty, S4S</b>	<b>1x4 T&amp;G</b>	<b>Blind nailed</b>	<b>Clear stain with UV-inhibitor</b>





**R**esiding in the eclectic Seattle neighborhood of Fremont, Cedar Speedster by Weber Thompson, is an architectural embodiment of the area's transformation from a hub of lumber mills to a vibrant community of artists and tech workers. This timber structure mirrors Fremont's rich lumber history, merging it with a forward-looking, sustainable design.

Cedar Speedster, a three-story building, artfully integrates office and retail spaces. It is characterized by an exterior of dark-stained Western Red Cedar, balanced with inset, whitewashed cedar terraces, reflecting the neighborhood's maritime heritage. The building's name itself pays homage to the handcrafted cedar racing shells by renowned boat builders George and Stan Pocock.

LOCATION **Seattle, Washington, USA**



# CEDAR SPEEDSTER

ARCHITECT  
**Weber Thompson**

STRUCTURAL  
ENGINEER  
**DCI Engineers**

GENERAL  
CONTRACTOR  
**Turner Construction**

PHOTOGRAPHY  
**Meghan Montgomery**  
**Built Work Photography**

MIXED-USE RETAIL-OFFICE  
CEDAR SPEEDSTER

07



Initially, the project served as a new home for Fremont's beloved Revel restaurant and evolved into a mixed-use space for fostering community engagement. "Our use of cedar was a perfect choice to create a warm and inviting place for people to work and gather," explains Cody Lodi, design lead and principal at Weber Thompson.

Environmental sustainability was another primary goal. To address this, the building design includes full stormwater mitigation through bioretention planters and emphasizes occupant health and wellness. And by the design team's calculations, the choice of a timber structural system, featuring Western Red Cedar, reduced the building's embodied carbon by 22% compared to traditional concrete structures.

Using Real Cedar throughout also played a key role in meeting the project's biophilic goals.

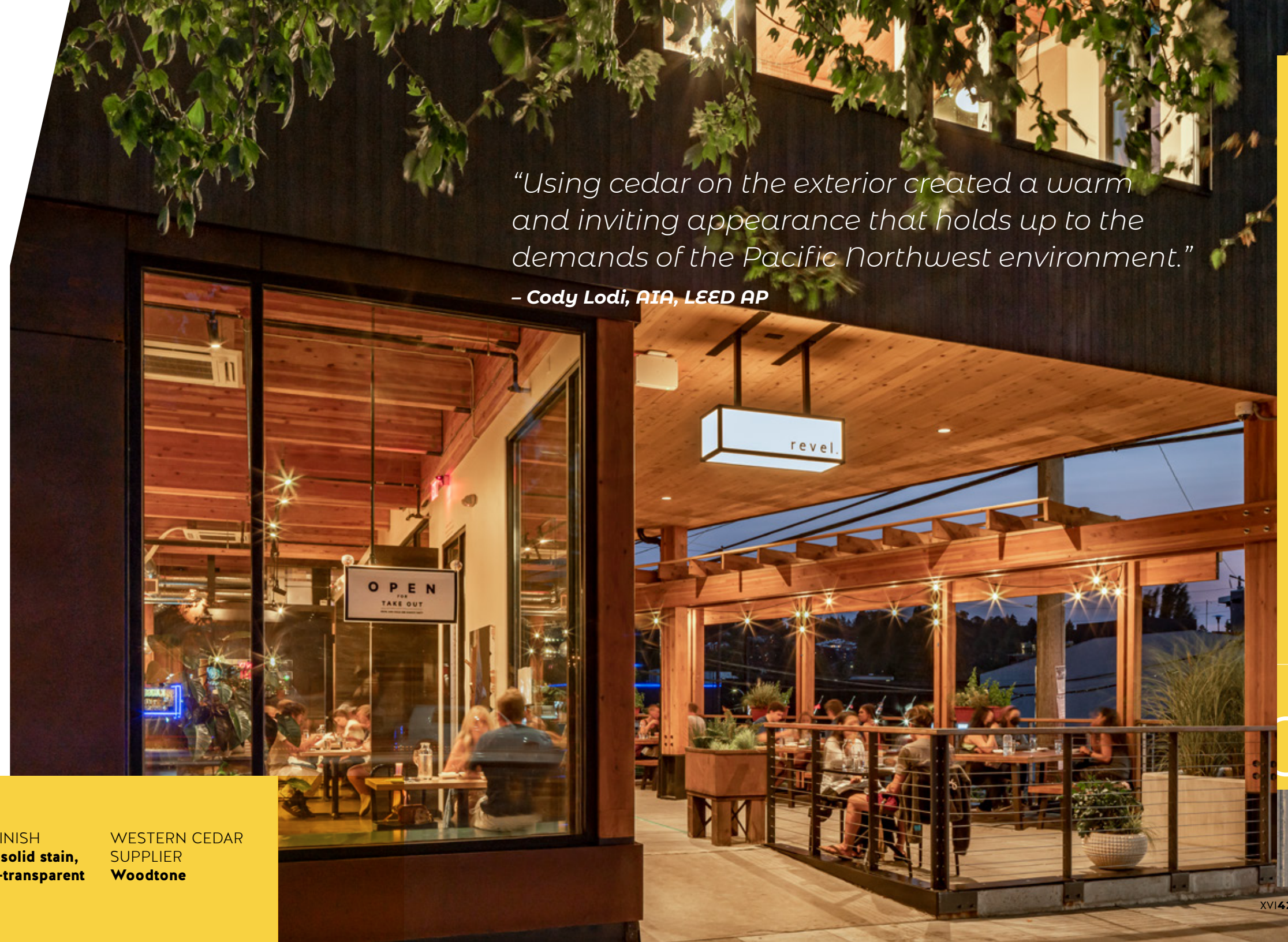
"We understand the impact the built environment has on human health," says Lodi. "The warm wood tones, grain patterns and even smell of the spaces amplifies the inherent connection we have with nature and bolsters the creativity and health of the people who inhabit the building."





The clients were enthusiastic about incorporating Western Red Cedar from the outset, drawn to its durability and natural weather resistance. “It has inspired them to include it in additional projects that we’ve designed for them,” adds Lodi.

XVI



*“Using cedar on the exterior created a warm and inviting appearance that holds up to the demands of the Pacific Northwest environment.”*

**– Cody Lodi, AIA, LEED AP**

## DETAILS

GRADE	SIZE	FASTENING	APPLIED FINISH	WESTERN CEDAR
<b>KD Clear VG &amp; Select Knotty</b>	<b>1x6 T&amp;G, 40,000 GSF</b>	<b>Blind nailed</b>	<b>Dark semi-solid stain, white semi-transparent stain</b>	<b>SUPPLIER Woodtone</b>





**N**avigating the unique terrain of Vermont's Green Mountains, the Terrapin project, envisioned by Brian J. Mac from Birdseye, combines environmental sensitivity with architectural boldness. "Terrapin occupies a space where the forest's edge meets expansive meadows, presenting a complex yet exhilarating challenge," Mac explains. The design, a series of cascading flat roofs, is a direct response to the rugged, rock-strewn landscape, integrating the structure into the slope with precision and creativity.

Designed for clients seeking a vacation retreat, Terrapin embodies a space for family gatherings enriched by sustainable living. Mac emphasizes the project's commitment to a thermally efficient envelope,

LOCATION **Woodstock, Vermont, USA**



# TERRAPIN

ARCHITECT  
**Brian J. Mac, FAIA,**  
**Jeff Kamuda, AIA, Project Manager**  
**Birdseye**

STRUCTURAL  
ENGINEER  
**Engineering Ventures**

GENERAL  
CONTRACTOR  
**Birdseye**

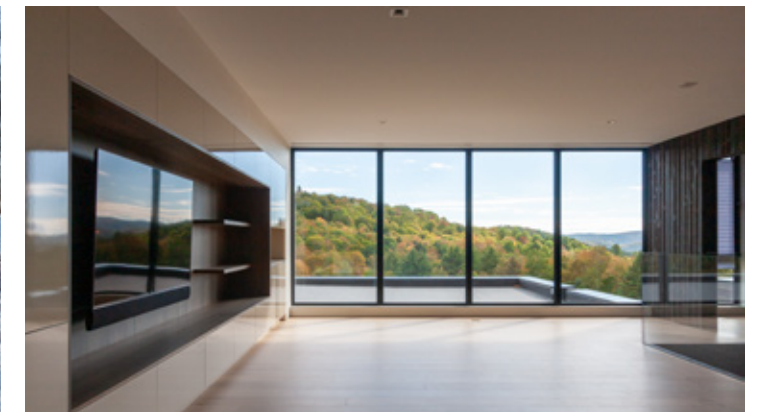
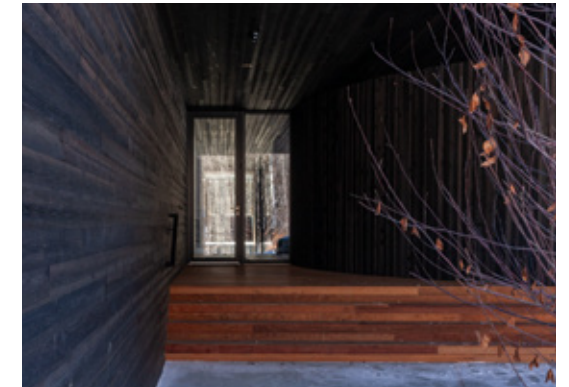
PHOTOGRAPHY  
**Birdseye**



complemented by a geothermal system and a 15kw solar array. This approach not only aligns with the clients' vision but also respects the site's natural attributes.

The project's contemporary language, highlighted by its unique roofing and expansive glass openings, captivates and engages. However, it is the choice of Western Red Cedar for the exterior cladding that deeply connects the architecture to its setting. "We selected 100% Western Red Cedar for its natural beauty and resilience against Vermont's climate," Mac notes, underscoring the material's durability and aesthetic warmth that echoes the surrounding landscape.

Choosing a premium knotty grade of prefinished cedar that introduces a textural contrast to the home's clean, contemporary lines, enhances the visual and tactile experience. "The warmth of the wood significantly contributes to the home's inviting ambiance," Mac reflects, indicating the clients' appreciation for the material's role in the overall design.





Terrapin, through Mac’s architectural lens, emerges as a sophisticated response to its environment, leveraging Western Red Cedar to bridge modern design with the timeless beauty of nature. The material’s application not only showcases its versatility and performance but also highlights the project’s environmental ethos, crafting a home that truly harmonizes with its spectacular surroundings.

XVI



*“Specifying Western Red Cedar for Terrapin contributed immensely to the art of the design and craft of the project.”*

*– Brian J. Mac, FAIA*

## DETAILS

GRADE	SIZE	FASTENING	APPLIED FINISH	WESTERN CEDAR
<b>KD Select Knotty</b>	<b>1x6 T&amp;G</b>	<b>Blind nailed</b>	<b>Semi-transparent graphite stain</b>	SUPPLIER
				<b>Hewn Elements</b>





# LEON LEBENISTE

ARCHITECT  
**Hemsworth  
Architecture**

STRUCTURAL  
ENGINEER  
**Equilibrium Consulting**

GENERAL  
CONTRACTOR  
**Kindred Construction**

PHOTOGRAPHY  
**Ema Peter**

In the dynamic and picturesque “Sea-to-Sky” town of Squamish, BC, this standout project is redefining industrial design through sustainability and community engagement. The Leon Lebeniste Fine Furnishings and Architectural Woodworking facility, a purpose-built industrial complex, exemplifies the fusion of functional design with environmental consciousness.

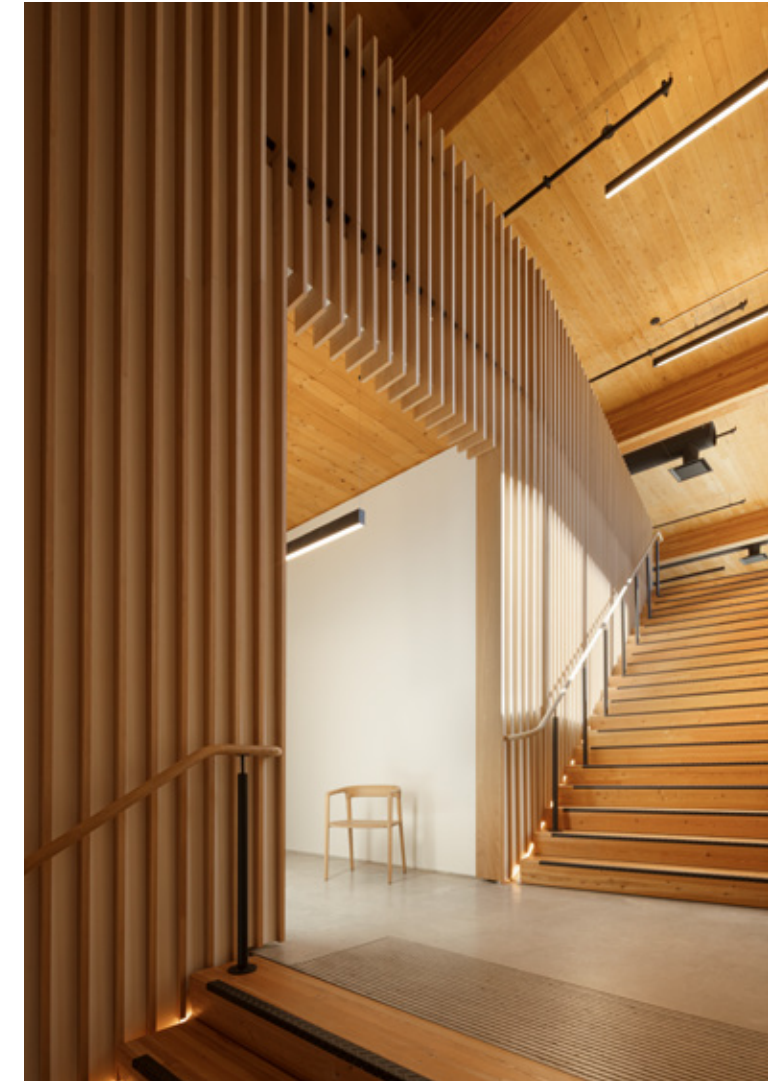
The facility is not just a manufacturing site but a hub for creativity and collaboration among local artists. The ground floor is dedicated to the manufacturing of fine furnishings, with additional design offices in the mezzanine, overlooking the production area. The top floor includes another maker space, public café, green roof, and a rooftop patio, offering breathtaking mountain views.

LOCATION **Squamish, British Columbia, Canada**





John Hemsworth, lead architect at Hemsworth Architecture, elaborates, “Our design intent was to invert the typical ground floor, storefront coffee shop model, elevating public spaces to the top of the building. This creates a shared meeting space for local craftspeople and artisans, fostering a community of design and manufacturing excellence.”





The construction of the Leon Lebeniste facility employs innovative techniques, including a CLT (cross-laminated timber) structure for the floors and roof, supported by a glulam post and beam system. The walls are wood-framed, externally insulated, and clad in nature's most versatile building material.

XVI



*“The use of Western Red Cedar enhanced the project’s commitment to sustainability and local forestry culture.”*

*– John Hemsworth, Architect*



# DETAILS

GRADE	SIZE	FASTENING	APPLIED FINISH
<b>KD 'A' Clear</b>	<b>2x2</b>	<b>Stainless steel</b>	<b>Transparent</b>





# FRENCH INTERNATIONAL SCHOOL - MIDDLE SCHOOL

ARCHITECT  
**Hacker**

STRUCTURAL  
ENGINEER  
**Madden & Baughman**

GENERAL  
CONTRACTOR  
**Triplett Wellman**

PHOTOGRAPHY  
**Bruce Damonte**

Tucked away in Portland, Oregon’s northwest hills, adjacent to the enchanting Forest Park, the French International School stands as a beacon of educational innovation and architectural brilliance. David Keltner, Design Principal at Hacker, describes the school as a symbiotic blend of classrooms and teacher cabins, united under a singular gabled roof.

“Clad in silvered cedar, the L-shaped building nestles at the wooded campus edge, akin to a ‘nurse log,’” he explains. “The building placement on the site takes advantage of both the natural beauty and the educational opportunities offered by the forested campus.”

LOCATION **Portland, Oregon, USA**





As well as aesthetic harmony, the school also excels in environmental design. “Each classroom is equipped with louvers for passive cooling, and the single-loaded corridor allows for effective cross ventilation,” says Keltner, highlighting the building’s sustainable features.

Adding to these environmental design features, the strategic use of Real Cedar brings an essential element to the school’s architecture. “The cedar ceiling is a signature moment of the design - its folded form provides shelter to the classrooms while framing key views to the neighboring forest and campus. We located the main entrance on the top floor, so the ceiling is the first thing people experience when they enter the building,” says Keltner. This cedar application extends beyond the interior, with exterior cladding

and soffits also utilizing Western Red Cedar for its beauty, durability, and versatility.

“The choice of Western Red Cedar grants the project a distinct identity, rooted in natural materials and tactile experience,” Keltner elaborates.

*“We chose Western Red Cedar for its beauty, durability, and versatility to be used both inside and outside the building.”*

**– David Keltner, AIA**





The structural design includes glulam ridge beams. Not only does cedar complement these mass timber components, it's also a major contributor to achieving the project's biophilic goals. "Our design prioritizes a visual connection with nature, and the extensive use of Western Red Cedar, both inside and out, plays a vital role in this," Keltner explains.

XVI



## DETAILS

GRADE  
**Exterior - KD Select  
 Knotty, suspended  
 ceiling - KD 'A' Clear  
 & Better VG**

SIZE  
**1x4 square-edge  
 Finline T&G,  
 suspended ceiling  
 1x4 smoothface**

FASTENING  
**Stainless steel**

APPLIED FINISH  
**Exterior - semi-transparent  
 grey stain, suspended ceiling  
 - interior formula, semi-trans-  
 parent whitewash stain**

WESTERN CEDAR  
 SUPPLIER  
**Lakeside Lumber**





# BASE CAMP 49

ARCHITECT  
**Designs Northwest  
Architects**

STRUCTURAL  
ENGINEER  
**Equilibria Structural  
Engineering**

GENERAL  
CONTRACTOR  
**Base Camp Builders LLC**

PHOTOGRAPHY  
**Lucas Henning,  
Swift Studio**

Embracing the rugged beauty of North Central Washington, Base Camp 49 is a unique vacation retreat consisting of four rental cabins surrounding a common area. This central space, featuring an inviting outdoor fire pit and dining area, faces the scenic Methow River and offers breathtaking mountain views.

The architectural design draws inspiration from the region's rural historical context, incorporating low slope shed roof forms reminiscent of local mining, logging, and agricultural buildings.

One of the project's most striking features is its use of materials - a blend of concrete, weathered steel, and Western Red Cedar. Lots of Western Red Cedar. The siding, window trim, interior ceiling and entryway walls are all made with Real Cedar.

LOCATION **Mazama, Washington, USA**





“Western Red Cedar gives the industrial modern aesthetic of these homes a warm feeling,” explains Dan Nelson, lead architect at Designs Northwest Architects. “It also blends in well with the local mountain environment.”

Another reason Nelson selected Real Cedar was how beautifully the wood’s rich tonal range ages over time.



“Cedar creates a continuous color evolution,” he says. “Many visitors compliment on the coordination of what could be construed as “cold type finishes” of steel and concrete and how well they blend with the warmth of the cedar exteriors.”

Real Cedar’s power to surpass client expectations is nothing new to Nelson. He’s used nature’s most adaptable construction resource on several other projects from modern beach cabins to mixed-use developments. Though vastly different aesthetically, they all seem to garner the same enthusiasm. Base Camp 49 was no exception.





“The clients were very pleased to include Western Red Cedar for this project as it was used for their residence and guest house that also reside on the site,” he says, before adding, “Their final reaction was very enthusiastic.”

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## DETAILS

GRADE	SIZE	FASTENING	APPLIED FINISH
<b>KD Select Knotty, rough face</b>	<b>1x6 T&amp;G</b>	<b>Ceiling - blind nailed, exterior - face nailed</b>	<b>Semi-transparent</b>

*“Western Red Cedar holds up well to climatic conditions while giving modern homes warmth.”*  
– Dan Nelson, AIA





Overlooking the expansive Hanalei Bay in Kauai, Hale Napo'o is a modern beachfront home enveloped by dramatic views of the bay and surrounding mountains. This picturesque setting provides a canvas for the home's design, creating a vibrant backdrop marked by ever-changing skies and striking sunsets.

Designed by Olson Kundig for a client with a rich history of architectural ventures, Hale Napo'o was conceptualized as a family retreat that seamlessly opens up to the surrounding landscape. "The challenge was to maximize access to the expansive views and ocean breezes," explains Design Principal, Tom Kundig. This vision led to the creation of a residence that not only

# HALE NAPO'O

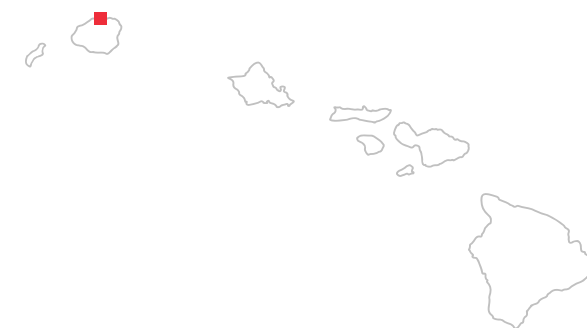
ARCHITECT  
**Olson Kundig**

STRUCTURAL  
ENGINEER  
**MCE Structural  
Consultants**

GENERAL  
CONTRACTOR  
**DeCamp Construction**

PHOTOGRAPHY  
**Aaron Leitz**

LOCATION **Hanalei, Hawaii, USA**



RESIDENTIAL  
HALE NAPO'O

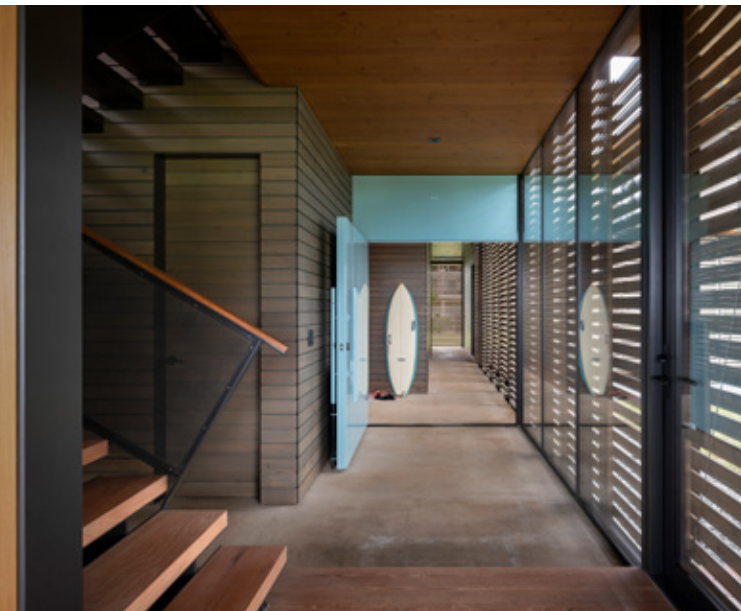
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embraces its natural setting but also ensures resilience during periods when the family is away. The solution? A custom shutter system crafted from Western Red Cedar set in a steel framework, allowing for flexibility in exposure to the elements.

Kundig describes Hale Napo'o as an embodiment of tranquility where architecture complements nature. The home's layout, with intersecting perpendicular volumes, reduces its overall mass while creating an inviting interior courtyard. The design pays homage to traditional Hawaiian Dickey-style hip roofs through its corrugated copper roofline, reinterpreted for a contemporary aesthetic.

The use of Real Cedar throughout the exterior, including siding, trim, and shutter elements, was a deliberate choice. "Incorporating Western Red Cedar enhances Hale Napo'o with a warm coziness that is modern, all while blending with the local vernacular," says the award-winning architect. This selection not only contributes to the home's aesthetic appeal but also aligns with its environmental goals, offering durability in the face of harsh oceanfront conditions.





The client's affinity for Real Cedar was evident from the project's inception, drawn to its warmth and resilience. "Their reaction to the finished product was one of deep appreciation, particularly for the material's durability and natural weather resistance," Kundig reflects.

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## DETAILS

GRADE  
**Shutters, siding and interior - KD Select Knotty, soffit - KD 'A' & Better**

SIZE  
**Shutters - 1x4, siding - 1x4 T&G v-joint resawn face, interior 1x6 T&G half-inch reveal, soffit - 1x6 T&G smoothface**

FASTENING  
**Stainless steel**

*"We selected Western Red Cedar for the warm look and feel and its natural weather resistance."*

**– Tom Kundig, FAIA, RIBA, Design Principal**





# ABOUT US

## *Western Red Cedar Lumber Association*

The 16th 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](http://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/](http://www.realcedar.com/architect-tools/)





# CREDITS

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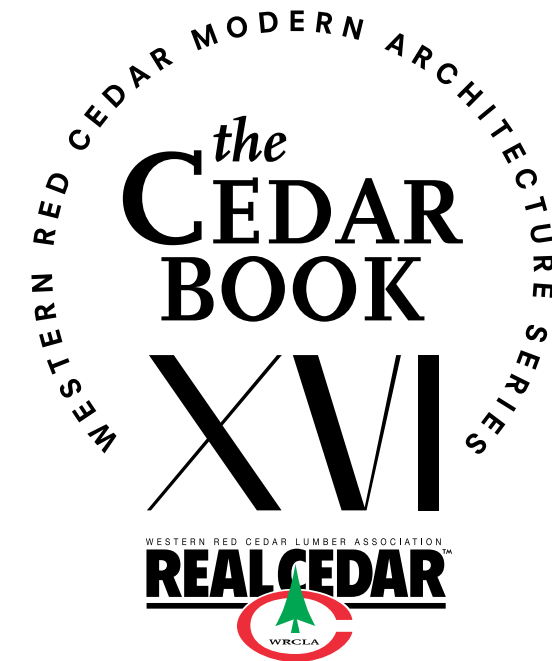
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Need help selecting, specifying or sourcing the right Western Red Cedar products?

Contact the Western Red Cedar Lumber Association and we will be glad to assist.

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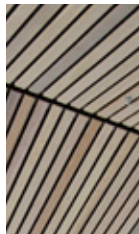



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