

WESTERN RED CEDAR LUMBER ASSOCIATION

REAL CEDAR



WESTERN RED CEDAR MODERN ARCHITECTURE SERIES

the
CEDAR
BOOK

X

CELEBRATING 10 YEARS OF WESTERN RED CEDAR ARCHITECTURAL DESIGN

FOREWORD

No matter what I create, whether it's the first concept for a building, sketch or sculpture, I connect what I am doing to the landscape in some way.

I love the landscape of the West, because it is my home and it helped me find my creative voice while providing solidity and truth. This reverence is intimately tied to the materials of this place, and of all the materials, none has played as much of a role in guiding me as cedar. In my design process, cedar is both a generator of ideas and the material from which ideas are realized.

Part of this approach came from a period when I immersed myself in pure art, creating sculpture through carving wood, sometimes followed by molding and casting the pieces in bronze. When I discovered cedar, I found alignment between the form I was searching for and the forms and tensions held within the material itself. It was my trust in this place, using the perfect material from this place, and my own experiences in the landscape coming together. I was just scratching the surface of the potential of a sacred material that had already guided people for thousands of years, weaving its power into the forms and structures of their art, culture and buildings.

As I returned to the design of spaces, I approached the process in a similar way, thinking about creating space by removing, carving or eroding material. The memory I have of carving cedar—its grain, its internal tension, even its scent, plays a conscious role in my design process.



There are moments I recall, moments when, as if in a meditation, my tools and the materials guided me as I designed. The design of a space and the material it is made of are inseparable, one informing the other. Cedar creates spaces that other materials cannot. Without it, the fundamental form or volume would not have the same power. Western Red Cedar allows the buildings to be of the land in a perfect way—the building, the land and the material can be one. ●

Corey V. Martin

PRINCIPAL AT HACKER

His firm's latest project, **Lakeside at Black Butte Ranch**, took home the top prize in the Real Cedar category at the 2016 Wood Design Awards. See project details on page 35.

RESIDENTIAL



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HONORABLE MENTIONS



Stellar Residences
& Townhouses at
Mountainside
Northstar



Stairway 2 Haven



Log Road Daikanyama



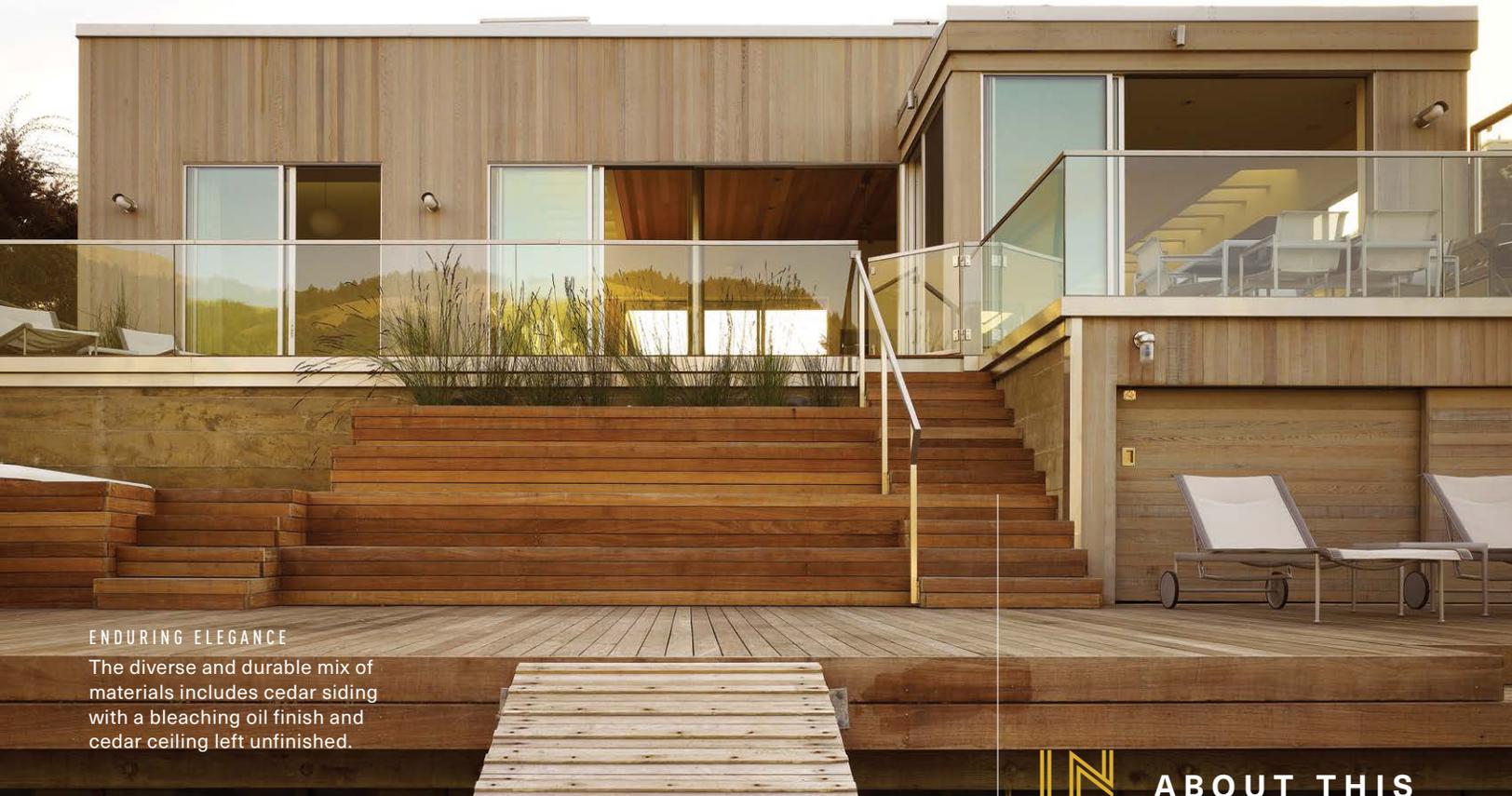
Stinson Beach
California, USA



AMONG
LEGENDS

Seadrift Residence

Nestled in a gated vacation community that emerged in the '50s at the tip of Stinson Beach, the Seadrift Residence sits comfortably alongside neighboring homes designed by the likes of Joe Esherick, Stanley Saitowitz and William Wurster. But at the same time, this Northern California project is an absolute standout—even among legends.



ENDURING ELEGANCE

The diverse and durable mix of materials includes cedar siding with a bleaching oil finish and cedar ceiling left unfinished.

“While beach houses are often funky, this one is modern and refined yet still casual, with clean spaces and astute function that fits the family’s lifestyle,” explains Cass Calder Smith, principal architect behind the Seadrift design. “Within the house, it gets praise for the way the natural light comes in and moves through the spaces during the day.”

The 1,900-square-foot weekend home also gets a lot of praise for its very strong indoor/outdoor experience. One of the ways Smith and his team achieved this was by

cladding the entire structure in beautiful T&G Western Red Cedar and then echoing that on the living-room ceiling. Thus, creating a seamless connection between the interior and exterior.

For Smith, selecting nature’s most versatile building material proved a wise choice for both applications — especially upon seeing how it enhanced the finished product.

“As a wood house, it’s all about the cedar exterior,” he says, adding, “for the interior, it warms up the space.”



ABOUT THIS PROJECT

ARCHITECT

CCS Architecture, Cass Calder Smith

CLIENT

3-generation family

STRUCTURAL ENGINEER

Erik Tryde; Novato, CA

PHOTOGRAPHY

Matthew Millman; San Francisco, CA

PROJECT TYPE

weekend home

PROTECTION PLAN

The design follows a rigorous sustainability program, achieving the Marin Planning Department's highest rating for resource efficiency.



I like Western Red Cedar's grain, color and how it weathers on the exterior. For the interior, I like its warmth.

— Cass Calder Smith, AIA



But considering the home faces a seawater lake, Cass needed siding that did more than just look good.

He needed a top-performing siding that could stand up to the elements. "It's a coastal environment with weather that ranges from sunny and warm to foggy and cold to stormy with lots of rain," says Smith, further pointing to the fact that Western Red Cedar, which is naturally resistant to rot, decay and insects, was definitely the right choice. ●

SOCIAL SCHEME

The home's casual, open plan is designed to accommodate a lot of people throughout the day and seasons.



MAIN LEVEL PLAN

- 1 South Deck 2 Entrance 3 Living Room
- 4 Kitchen 5 Dining Room 6 Family Room
- 7 North Deck 8 Lagoon Deck 9 Lagoon 10 Hall
- 11 Bedroom 1 12 Bathroom 1 13 Kids Bedroom
- 14 Bathroom 2 15 Bedroom 2 16 Storage
- 17 Side Yards 18 Hot Tub 19 Dock



MATERIAL & SPECS

GRADE

ext: KD Select Knotty
int: KD 'A' Clear

FASTENING

ext: stainless steel
int: blind nailed

SIZE

ext: 1 x 4 T&G, V-joint
int: 1 x 6 T&G

APPLIED FINISH

ext: bleaching oil
int: none

SUPERIOR EXTERIOR

The shape and size of the decks make them inviting and usable, with an intimate courtyard on the sunny, south side and an L-shaped deck on the lagoon side to the north.





The Sea Ranch
California, USA



CONNECTED
TO THE LAND

Pelican Residence

Set on the beautifully rugged and windswept Northern California coastline, The Sea Ranch is a planned community that promotes the protection of the natural landscape. The collaborative design team behind this particular dwelling wanted to take those environmental stewardship values even further.



SUSTAINABLE STUNNER

The glass wall allows interior spaces to merge with exterior spaces to make the home feel even more expansive.

The Pelican Residence is the first LEED platinum house at The Sea Ranch. Malcolm Davis, the project's architect, credits this achievement to the collaborative design team and the implementation of various innovative green technologies.

"A photovoltaic solar array on the roof provides power to handle the electric loads, and a highly efficient boiler provides hot water for both domestic and space heating needs. The glass in each of the windows and doors was carefully selected for high performance based on its orientation to the sun," says Davis. "Each element of both the exterior and

the interior of the project were chosen based on high efficiency, as well as sustainability and durability."

Given those parameters, Western Red Cedar was the natural choice for the home's siding, as well as the ceiling of many of the interior spaces; including the dining room, living room and master bedroom. Additionally, the courtyard features a series of large operable Western Red Cedar shutters that can be pinned in place in order to control both views and wind, providing a sheltered space for outdoor cooking and living.



ABOUT THIS PROJECT

ARCHITECT

Malcolm Davis Architecture

INTERIOR DESIGNER

Gamble + Design

CLIENT

design-oriented family of makers and builders who were a part of the design team

GENERAL CONTRACTOR

David Hilmer with Empire Contracting Inc.

STRUCTURAL ENGINEER

Double-D Engineering

PHOTOGRAPHY

Malcolm Davis Architecture

PROJECT TYPE

family retreat

“Unlike brick, cement and composites, cedar is renewable and biodegradable,” says Davis, “and it actually removes greenhouse gasses from the atmosphere rather than generating gasses like many synthetic products.”

The natural warmth and beauty of Western Red Cedar is also very fitting with the Sea Ranch vernacular.

“The community is interested in materials that feel connected with the landscape, have an individual character, and age beautifully with time,” says Davis, pointing to the fact that most of the buildings in the area are also clad in Western Red Cedar. ●



MATERIAL & SPECS

GRADE

KD 'A' Clear
(5-10% 'B' Clear)

SIZE

1 x 6 T&G, smooth face
flush joint

FASTENING

stainless steel siding nails,
blind nailed

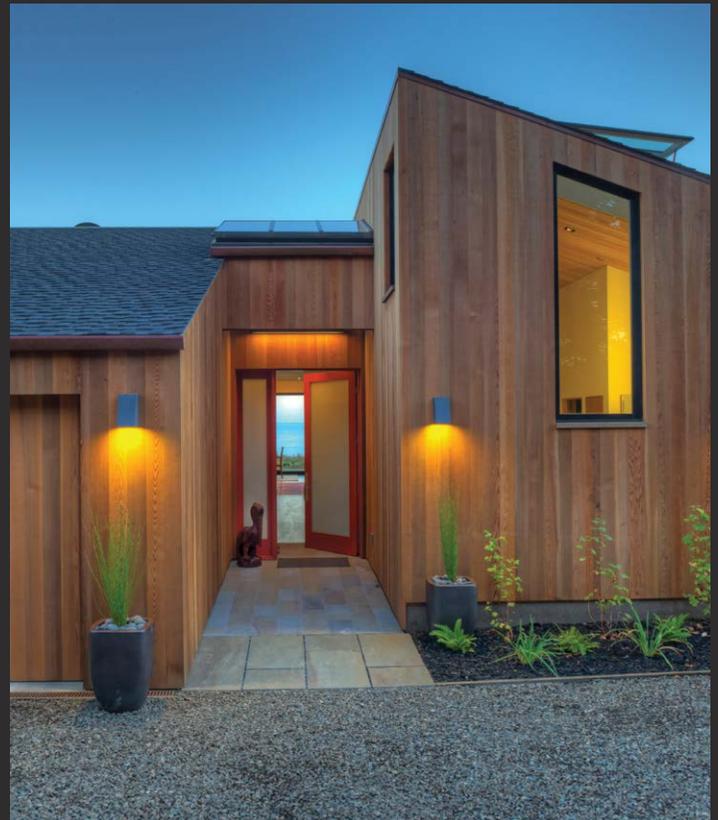
APPLIED FINISH

clear stain

Western Red Cedar is extremely durable and naturally resistant to rot, decay and insect attacks, requiring less maintenance in the long run.

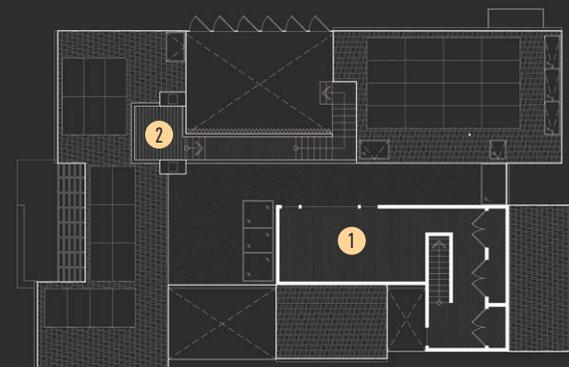
— Malcolm Davis, AIA





ENTRY LEVEL PLAN

- 1 Entry 2 Kitchen 3 Dining Room 4 Patio
- 5 Master Bathroom 6 Master Bedroom
- 7 Outdoor Dining Court 8 Living Room 9 Guest Bath
- 10 Laundry 11 Guest Court 12 Guest Bedroom
- 13 Vegetable Court 14 Den 15 Garage



SECOND LEVEL PLAN

- 1 Sewing Room
- 2 Outdoor Viewing Deck



Bolton-Est
Québec, Canada



STRIKING
VERTICALITY

The House of Sculptor Jarnuszkiewicz

Jacek Jarnuszkiewicz is no ordinary client. He is an award-winning landscape architect and surrealist sculptor renowned for creating imposing stainless steel works of public art that serve as urban beacons throughout Montréal. So it stands to reason the process in which he wanted his weekend home designed would require a little more than the traditional consultation. For this, he collaborated with YH2 Architecture principals, Marie-Claude Hamelin and Loukas Yiacouvakis.



WOODED WONDER

The house offers a natural fluidity and continuity between the forest's ground level and the lower floor of the house, between interior and exterior.



ABOUT THIS PROJECT

“Each sculptural proposition was debated among ourselves until we finally agreed to express verticality as a strong and clear expression of the given landscape’s essence: a vast land overhanging Trousers Lake filled by a chiaroscuro coniferous forest,” explains Yiacouvakis. “Once the compositional rules were established, the project was developed using the surrealist’s exquisite cadaver technique. From the hand of one creator to the other, volumes and plans appear, materials and masses evolve until the up growth of interior spaces.”

Not surprisingly, the vertical composition has turned out to be one of the most striking aspects of this project.

“Reminiscent of the mature trees surrounding it, the house opens itself to daylight and to the majestic scenery thanks to the large glass facade covering the three floors,” says Yiacouvakis. “At dawn, the surroundings disappear and the house emerges as sculptural lantern in the heart of the forest.”

ARCHITECT

Marie-Claude Hamelin, Loukas Yiacouvakis & Jacek Jarnuszkiewicz

CLIENT

sculptor Jacek Jarnuszkiewicz and his wife

STRUCTURAL ENGINEER

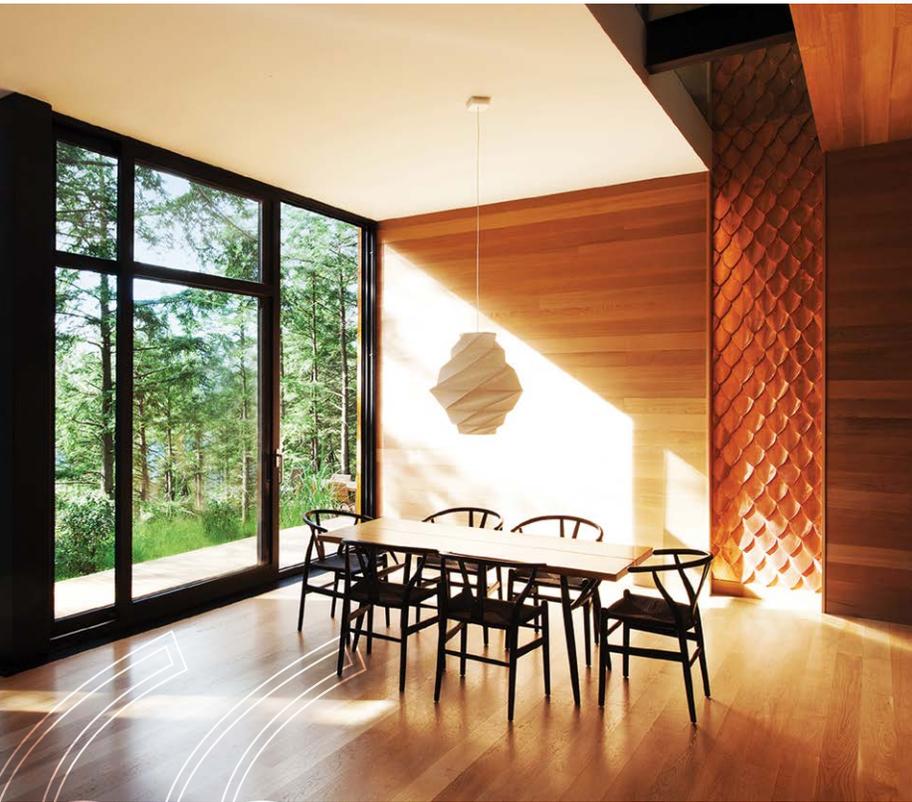
Rafik Matta

PHOTOGRAPHY

Francis Pelletier

PROJECT TYPE

secondary house in nature



The goal was to keep the color of the cedar as natural as possible. Therefore, a clear stain was applied on the exterior cedar, while the interior was kept natural.

— Marie-Claude Hamelin, OAQ

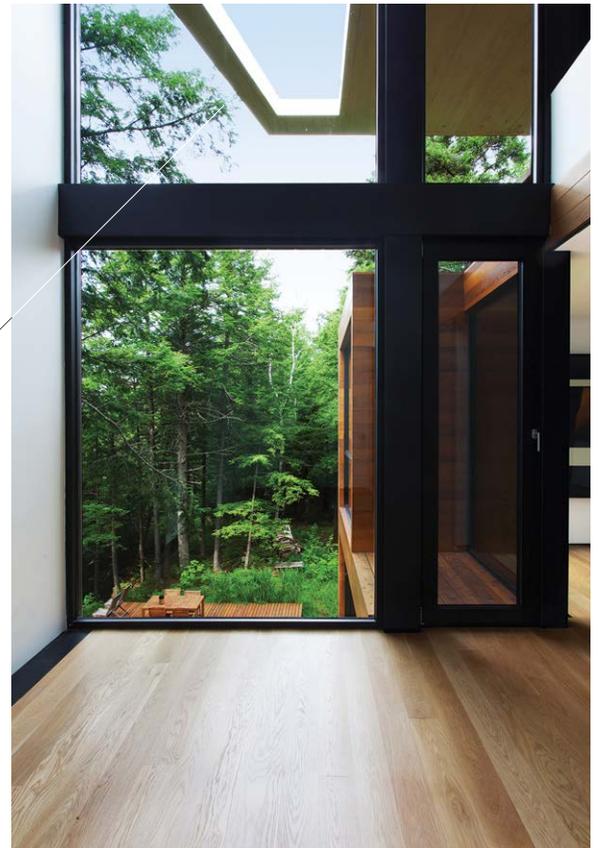
Another striking aspect of project is the use of beautiful Western Red Cedar cladding on the main block that houses the living spaces. They also used nature's most versatile building material for interior wall paneling as well as decking on the observation tower. And they're glad they did.

"It allowed for a rich palette of color that integrated itself nicely in its surroundings," says Marie-Claude Hamelin, reflecting on how Western Red Cedar enhanced this stunning work of art. ●



TREETOP PARADISE

The experience offered by the mezzanine on the top floor is completed by a large covered terrace that serves as a wildlife observation tower.



MATERIAL & SPECS

GRADE

siding: KD 'A' Clear

decking: KD Architect Knotty

SIZE

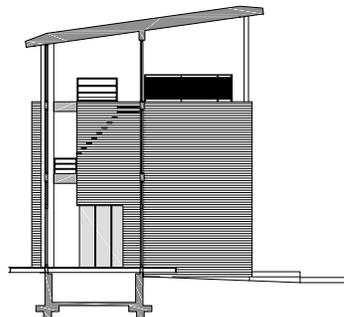
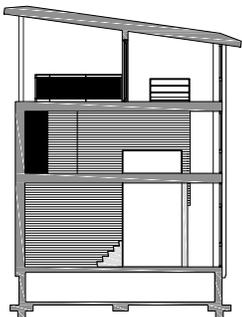
1 x 6 T&G, smooth face
flush joint

FASTENING

stainless steel

APPLIED FINISH

ext: clear stain
int: none





Clearview Township

Ontario, Canada



WHEN SUN
MEETS WIND

Hilltop House

When it comes to learning the nuances of a landscape, there's nothing quite as effective as actually living on the land before the design process even begins. That's exactly what the owners of the Hillside House did after they bought this stunning property that folds along the ridge of the Niagara Escarpment. The young family of five set up camp for a month to study how the sun and wind moves so they could capitalize on as much natural lighting and air as possible as well as make the most of their breathtaking vistas.



LARGE LAYOUT

Long and low, the home boasts a spacious program that includes recreational, study, library, office, studio and functional spaces where each room flows seamlessly into the next.

Based on their findings and years of architectural experience, Kelly Buffey and Robert Kastelic at Atelier Kastelic Buffey designed this beautifully lit, energy-saving wood home that bends along a crook in the site, drapes across the high end of the property's slope and opens up to a rolling hill with a natural pond below.

"In this project, it is the harmoniousness of the design and its seemingly effortless integration with the landscape that is most powerful," explains Buffey.

"The inside-out relationship between the house and the property is established through the dematerialization of the north wall with expansive glass windows and sliding doors opening views to the beauty of the escarpment."

In keeping with the family's desire for a sustainable, modern home, AKB opted for a naturally charming knotty grade of Western Red Cedar for the home's siding, decking and ceiling.

ABOUT THIS PROJECT

ARCHITECT & INTERIOR DESIGN

Atelier Kastelic Buffey

CLIENT

Kara McIntosh & Jeff Taylor

GENERAL CONTRACTOR

Wilson Project Management

STRUCTURAL ENGINEER

Blackwell

PHOTOGRAPHY

Shai Gil

PROJECT TYPE

residential home

“Cedar provides a tactile and organic quality to the project, which counterbalances this otherwise highly streamlined and seemingly simplistic contemporary design,” says Buffey. “This creates a palpable and subtle tension that provokes an unconscious yet sensual reaction to the building itself.” ●



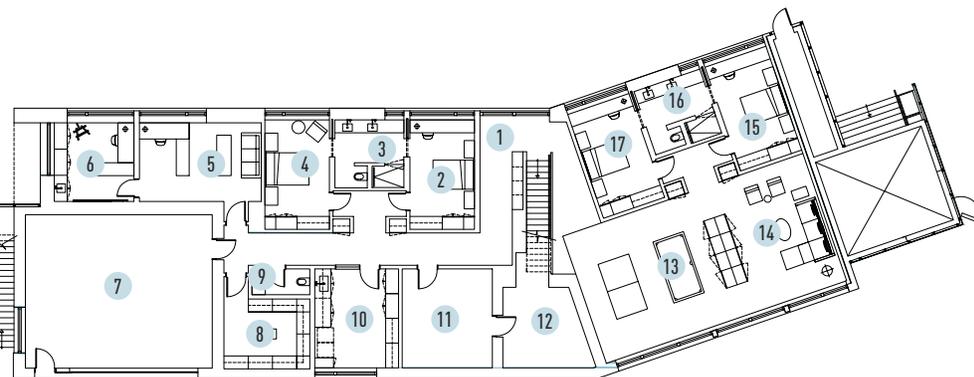
MATERIAL & SPECS

GRADE
KD Select Knotty

FASTENING
stainless steel siding nails

SIZE
1 x 4 T&G,
smooth face
V-joint

APPLIED FINISH
clear stain



LOWER LEVEL PLAN

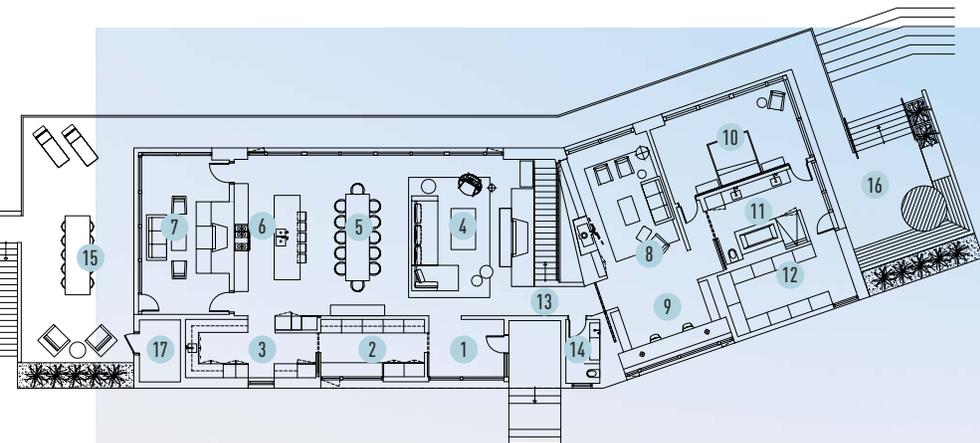
- 1 Walk Out 2 Bedroom 3 En Suite
- 4 Bedroom 5 Office 6 Studio 7 Garage
- 8 Mud Room 9 Powder Room 10 Laundry
- 11 Storage 12 Mechanical Room
- 13 Play Room 14 Rec Room 15 Bedroom
- 16 En Suite 17 Bedroom

PEAKED INTEREST
The roofline follows the shape of an asymmetrical peak, and the roof edges are flush with the wood walls.



BALANCED DESIGN

An efficient floor plan accommodates each family member's individual and private needs, while the wonderfully comfortable scale of space feels neither crowded nor vast.



GROUND FLOOR PLAN

- 1 Entry Foyer 2 Bedroom 3 Pantry
- 4 Living Room 5 Dining Room
- 6 Kitchen 7 Screened Outdoor Porch
- 8 Den 9 Library 10 Master Bedroom
- 11 Master Bathroom 12 Master Closet
- 13 Stairs to Below 14 Powder Room
- 15 Dining Deck 16 Master Deck
- 17 Outdoor Storage





PERFECT PROFILE

Custom milled T&G siding clad the entire upper and lower volumes as well as the underside of the ceiling in the screened-in porch.

The honest quality of cedar and its natural inclination to patina over the years also imbues life in the building as it evolves with time.

— Kelly Buffey, AKB



Greenwater
Washington, USA



BEAUTY THROUGH
RESTRAINT

Courtyard House on a River

While his client agreed to cedar siding early on, they were suspect regarding Robert Hutchison Architecture's proposal to stain it black, fearing a dark semi-transparent stain wouldn't blend into the lush forest environment.

But Hutchison knew better.



BEAUTIFUL DISGUISE

While the exterior of the house is dark to blend in with the surrounding trees, the interior is light and open.

“Clients are sometimes concerned that using a black stain will make their building stand out, but the opposite tends to happen,” explains Hutchison. “I finally convinced them to go for it. As soon as the first façade was completed, they immediately called me and left me a message saying, ‘Oh my gosh, the building almost disappears into the forest!’”

The home, built for an empty-nester couple, is located within a Pacific Northwest forest along the rushing waters of the White River, which is fed by the glaciers of nearby

Mt. Rainier. Situated within the lowlands of the Cascade Mountains, the area enjoys the colors brought on by spring and fall, a dry, sunny summer, and overcast winter frequently accompanied by snow.

“Our clients, avid mountain bikers and skiers, came to us with a very economical budget,” says Hutchison.

A restrained material palette, both inside and out, helped to keep project costs down, and yet the final results are beautiful.

ABOUT THIS PROJECT

ARCHITECT

Robert Hutchison Architecture

CLIENT

an empty-nester couple

GENERAL CONTRACTOR

homeowner

STRUCTURAL ENGINEER

Swenson Say Faget

PHOTOGRAPHY

Mark Woods

PROJECT TYPE

family home for a husband and wife

Cedar is beautiful. We can install it in many different profile types and orientations; it can be rough or smooth, knotty or clear, and it can be very economical.

— ROBERT HUTCHISON
ARCHITECTURE





“The exterior of the house, clad entirely in Western Red Cedar siding, is very photogenic and tends to garner the most questions,” says Hutchison.

In terms of profile and size, he chose to install 1 x 4 T&G with fine-line edge detail in both a horizontal and vertical orientation.

“We use Western Red Cedar often in our residential projects. It’s a beautiful material; it changes its tone depending on the quality of light,” Hutchison says.

Even when it blends into the scenery, Western Red Cedar still grabs the eye. ●

PICTURE PERFECT

The residence epitomizes the small home living movement through its emphasis on design over size.



ELK DETRACTOR

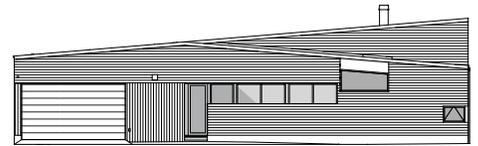
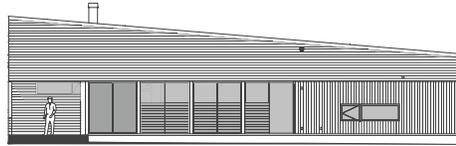
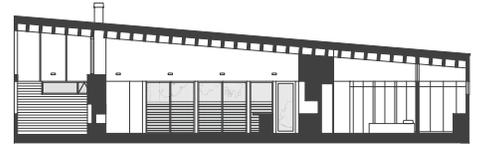
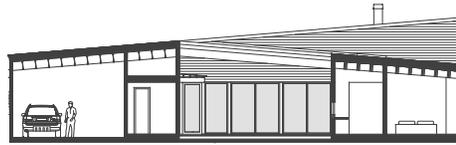
An entry courtyard serves as a smooth transition from the outdoors while forming a gentle periphery to keep the ubiquitous elk herds at bay.



GORGEOUS GO-INBETWEEN

A steel-clad fireplace mass serves as a central architectural feature and utility, complementing the natural wood interiors, while separating the living room from the covered outdoor patio.





MATERIAL & SPECS

GRADE

KD Select Knotty

SIZE

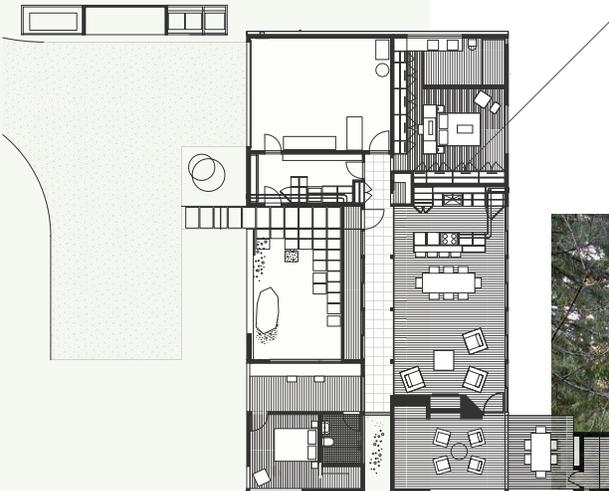
5/4 x 6 T&G with
fine-line edge detail

FASTENING

blind stainless steel nails

APPLIED FINISH

semi-transparent
black oil stain





Vashon
Washington, USA



THE VITALITY
OF SPACE

Coastal Residence

Situated on a coastal bluff, this Maury Island home has a classic Pacific Northwest setting. The remote island, accessible by ferry, is surrounded by natural beauty. Problem was, despite its idyllic location, the existing house wasn't making the most of this remarkable vista. So the homeowners partnered up with architect Bob Swain to design an 850-square-foot addition that would provide glassy views to the water below and sky above while minimizing less desired views of neighboring houses beyond.



RAVE-WORTHY ROOFLINE

The cedar-clad “waves” in the primary living space provide dynamic forms that allow sunlight to penetrate deep into the new space as well as views to the western sky.

“The design responds with appropriate exotic forms framing each vista,” says Swain. “Repetitive ‘waves’ of monitors and clerestories achieve light-filled spaces. The vitality of each space abounds with refined native-inspired wood detailing and articulated metal elements.

And not just any wood and metal. The homeowners wanted to create something that was sustainability-minded. For these reasons, they fabricated their own steel

elements and sourced out regionally harvested wood. The goal being to reduce their environmental footprint and the cost of transportation.

Of course, in the end there’s only one wood that could fit the bill: Western Red Cedar. Its naturally beautiful tonal range is perfect for complementing such a pristine setting. As well, it’s low maintenance and harvested from sustainably managed, third-party certified forests.



ABOUT THIS PROJECT

ARCHITECT

Robert Edson Swain Architecture
+ Design (Robert Edson Swain, Inc.)

CLIENT

professional couple

GENERAL CONTRACTOR

Cascade Pacific Construction

STRUCTURAL ENGINEER

I.L. Gross Structural Engineers

PHOTOGRAPHY

Robert Edson Swain Architecture
+ Design & Andrew Ryznar

PROJECT TYPE

family home for two adults with room
for guests to visit/stay on the island

Plus, because Western Red Cedar is native to the Pacific Northwest, it met the clients' criteria, which is why they selected it to clad the new living space as well as create the stunning roofline. As Swain explains, this choice in building material worked out on so many levels.

"Western Red Cedar enhanced the project because of its visual warmth, as seen from inside and outside the home," he says, adding, "as well, it's local, furthering the sense of connection to the adjacent environment and cultural history where native-inspired wood detailing occurs throughout the project." ●



MATERIAL & SPECS

GRADE

KD Select Knotty

SIZE

siding: 1 x 6 channel rustic

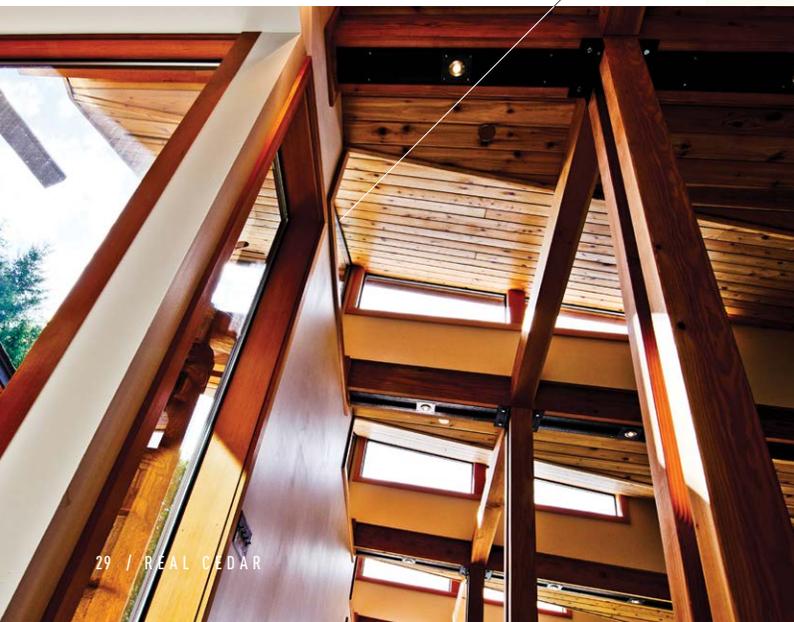
ceiling: 1 x 6 T&G

FASTENING

stainless steel siding nails

APPLIED FINISH

clear stain





WOOD-FRAMED VIEWS

The Western Red Cedar addition on this Maury Island home was designed to frame the picturesque water views.

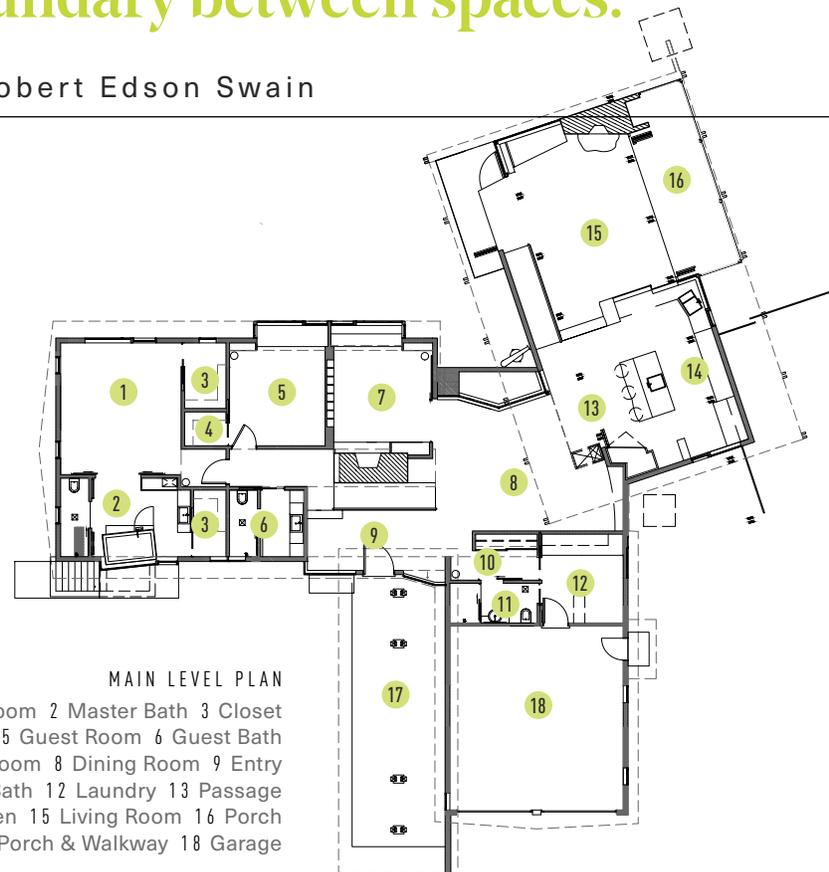
The connection to this landscape is readily apparent in the new home, where Western Red Cedar is used indoors and out, blurring the boundary between spaces.

— Robert Edson Swain



NATURAL CHOICE

The homeowners wanted to create an addition that was sustainably minded, so naturally they opted for regionally harvested Western Red Cedar.



MAIN LEVEL PLAN

- 1 Master Bedroom
- 2 Master Bath
- 3 Closet
- 4 Guest Closet
- 5 Guest Room
- 6 Guest Bath
- 7 Project Room
- 8 Dining Room
- 9 Entry
- 10 Entry Hall
- 11 Bath
- 12 Laundry
- 13 Passage
- 14 Kitchen
- 15 Living Room
- 16 Porch
- 17 Covered Porch & Walkway
- 18 Garage



San Mateo
California, USA



FROM INTERIOR
TO EXTERIOR

Glass Wall House

Located in a subdivision of modest-sized Joseph Eichler dwellings, the challenge for this project was creating a spacious, multi-generational home that's 21st century in design ingenuity, but 20th century modern in street style.

POSITIVE ENERGY

The house exceeds California's energy codes because it's well-insulated, has thermally improved double-pane doors and windows, and has a solar overhang at the south that keeps the hot summer sun out of the house from spring to fall.



The result is a thoughtfully laid out L-shaped home—complete with a guest suite for an aging parent and a show-stopping outdoor living area. It's retro, yet contemporary and meets all the clients' needs. Here's how architect John Klopf made it happen:

"To accommodate their situation, we put the kitchen, dining and living areas into a large great room that is connected to the master bedroom via a large sliding door panel," explains Klopf. "Moreover, we put in the glass wall that allows their interior spaces to blend with their exterior spaces to make the spaces feel even more expansive."

He also maximized the flow between the home and the centerpiece pool by using Western Red Cedar on the ceilings in the living spaces, master bedroom and guest room. The beautiful, high-performance wood extends from interior to exterior to become soaring eaves that provide sun and rain protection.

Using natural material like cedar also counterbalances the other "harder" surfaces, including polished concrete slab flooring and white drywall.



ABOUT THIS PROJECT

ARCHITECT

Klopf Architecture

CLIENT

a couple & their dog

GENERAL CONTRACTOR

Henry Calvert of Calvert Ventures

STRUCTURAL ENGINEER

Harry Velleno

PHOTOGRAPHY

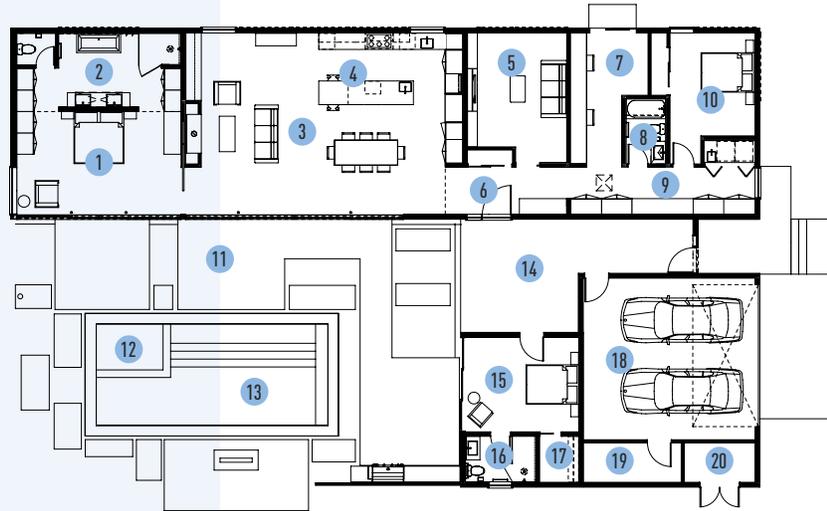
Mariko Reed

PROJECT TYPE

home for multi-generational family

“The warmth and timeless look of the material worked with the overall palette to create a design that is built to last, and also pleasant to live in,” says Klopff.

Western Red Cedar also provided a historical reference in that many of the homes in the neighborhood originally featured T&G wood, so the cedar on the ceiling is reminiscent of the area’s mid-century vibe.



We used cedar on the ceilings to bring warmth and a natural feeling to the otherwise clean and modern lines of the house.

— John Klopff, ARCHITECT

In terms of grades, the award-winning architect opted for Select Knotty for this project. This cost-effective choice helped him stay on budget, but it also kept the design from looking too “clean”, as per the owners’ wishes. With that in mind, Klopff pre-finished the cedar with a clear stain.

“The purpose was to let the natural beauty of the wood come through,” he says, adding, “and the clients love the finished product.” ●

MAIN LEVEL PLAN

1 Master Bedroom 2 Master Bath 3 Living/Dining 4 Kitchen 5 TV Room
6 Entrance 7 Office 8 Bath 9 Hall 10 Bedroom 11 Terrace 12 Spa
13 Pool 14 Breezeway 15 Guest Suite 16 Guest Bath 17 Closet 18 Garage
19 Mech. Room 20 Pool Equipment





CLEAR VISION

The glass wall allows interior spaces to blend with exterior spaces to make the home feel even more expansive



MATERIAL & SPECS

GRADE
KD Select Knotty

SIZE
1 x 6 T&G

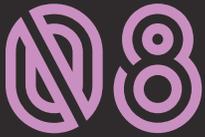
FASTENING
blind nailed

APPLIED FINISH
clear stain

LIVING LARGE

Beautiful Western Red Cedar extends from the inside out, creating an effortless flow between the spaces.





Black Butte

Oregon, USA



THE HEART
OF THE RANCH

Lakeside at Black Butte Ranch

Congrats to Hacker! The Portland-based architect firm recently pulled off a hat trick at the Wood Design Awards for this Black Butte project, cleaning up in three different categories, including best use of Real Cedar. Well deserved, considering the stunning resort facility features Western Red Cedar in various applications inside and out—a true testament to nature's most versatile building material.



AWARD-WINNING DESIGN

Portland-based architect firm Hacker won several accolades at the Wood Design awards for the cedar-rich Black Butte Ranch project.

“The project was designed with this material in mind, and its use is integral,” explains Corey V. Martin, design principal at Hacker. “Another material would have felt foreign to the place and the concepts we were working with.”

The goal for this project was to revitalize the heart of the ranch, giving new life to the original main lodge and pool area, and

setting a new standard for resort design in the region. The challenge was honoring the site: a sublimely beautiful volcanic landscape, where you can see newly formed land before it was eroded by time. The area borders the moist climate of the Cascade Mountains to the west and the crisp, dry air of the high desert to the east.

ABOUT THIS PROJECT

ARCHITECT
Hacker

CLIENT
Black Butte Ranch

STRUCTURAL ENGINEER
Madden & Baughman

PHOTOGRAPHY
Jeremy Bittermann

PROJECT TYPE
resort facility



NATURAL CHARM

Lakeside at Black Butte Ranch was designed with Western Red Cedar in mind, as it blended seamlessly with the location and design concept.

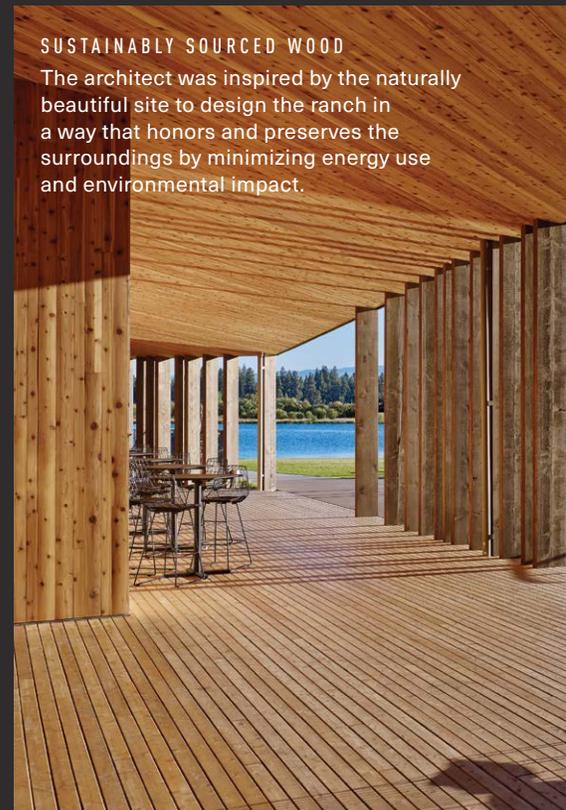
“Such a beautiful and pristine site presents a profound responsibility to design buildings that not only complement but also enhance their surroundings,” says Martin.

This deep appreciation for the land led Martin and his team to ensure all aspects of the project minimized energy use and environmental impact. They achieved this by integrating green technology systems and, of course, choosing wood from sustainable resources. Their main



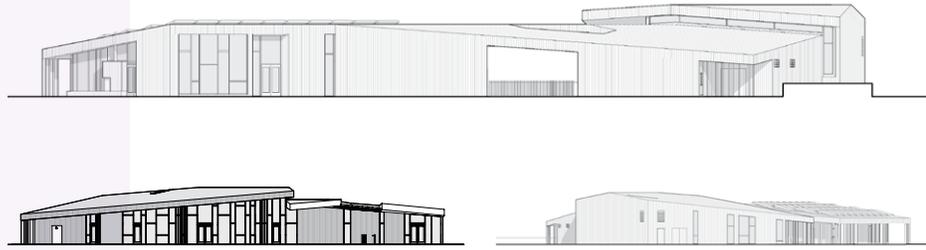
SUSTAINABLY SOURCED WOOD

The architect was inspired by the naturally beautiful site to design the ranch in a way that honors and preserves the surroundings by minimizing energy use and environmental impact.



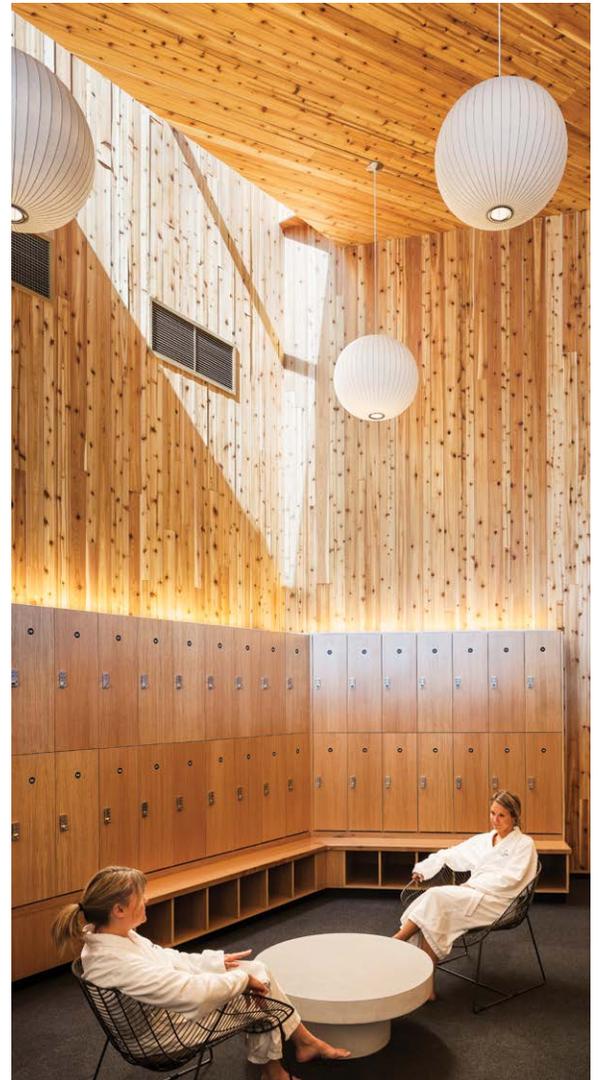
priority was selecting a species with proven performance. So the fact that cedar is also really beautiful served as an added bonus.

“They understood why cedar was the right material for this place, but they did not realize that it could be used in such a dramatic way,” says Martin, adding, “so the project has exceeded their expectations for quality and beauty and garnered much attention because of it.” ●



HARMONIOUS ENVIRONMENTAL DESIGN

Select Knotty cedar was chosen for the award-winning project, offering a warm texture that harmonizes with the natural environment.





MATERIAL & SPECS

GRADE

KD Select Knotty

SIZE

1 x 4 & 1 x 6 T&G
fine-line, resawn face

FASTENING

stainless steel siding nails

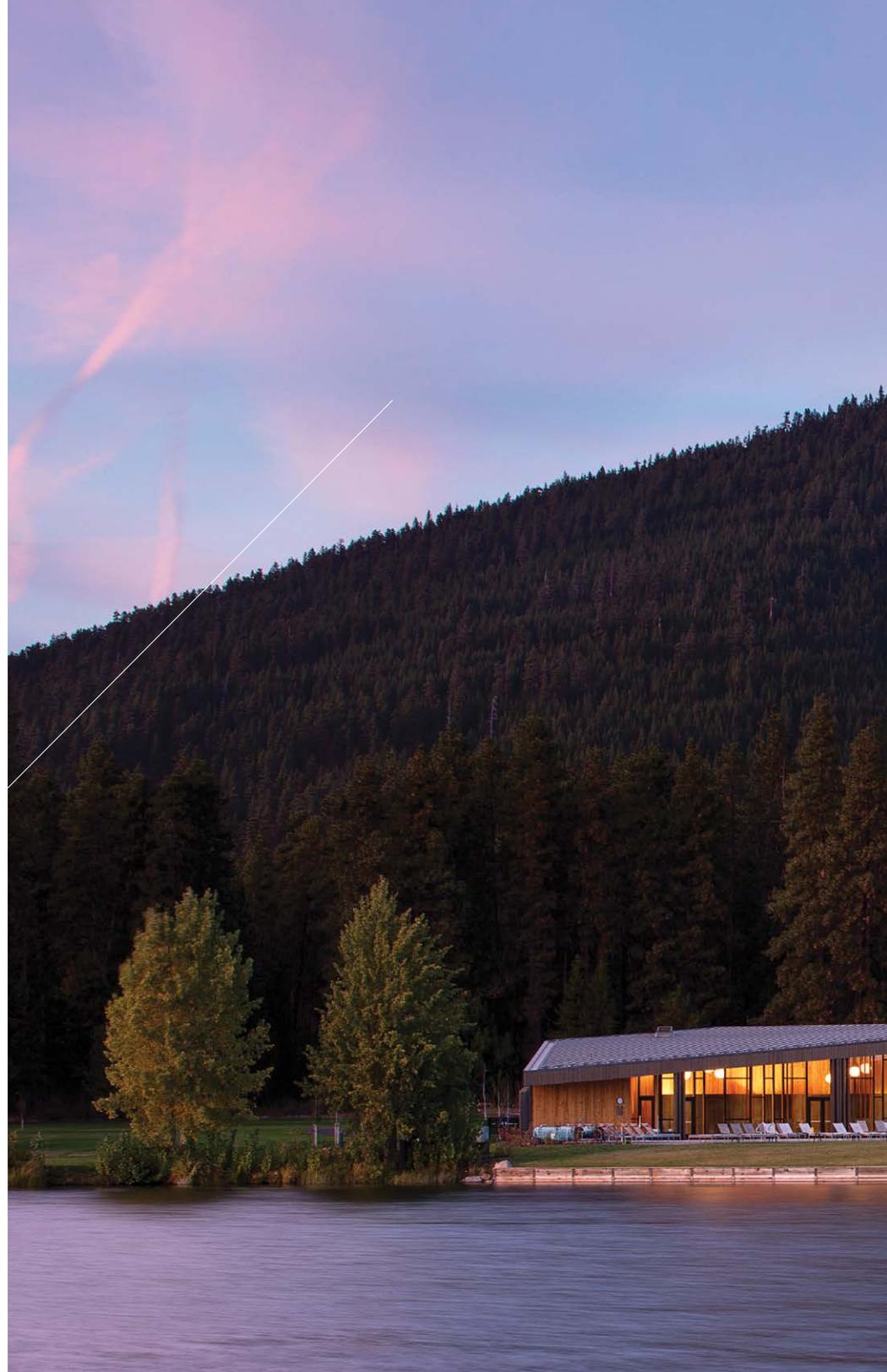
APPLIED FINISH

int: clear stain

ext: clear stain and
semi-transparent stain

CEDAR STAR

It's no surprise Lakeside at Black Butte Ranch has garnered so many awards. The vacation ranch brilliantly blends Western Red Cedar architecture with the breathtaking landscape.





Cedar is a beautiful material that is part of the story of our region. It's also durable and becomes more beautiful as it ages.

— Corey V. Martin, 3-TIME WOOD DESIGN AWARD WINNER



Healdsburg
California, USA



WARM
REFINEMENT

MacRostie Winery & Vineyards

The folks at MacRostie Winery, one of Sonoma's renowned wineries, knew what they wanted and they knew how to communicate it. They wanted a warm, welcoming tasting room that feels more like a home than a business, and they wanted the building to fit into the character and fabric of the Sonoma agricultural landscape.

Architecture firm Gould Evans delivered on all fronts.



REFINED DESIGN

The use of warm Western Red Cedar acted as a catalyst for boosting the MacRostie Winery brand.

“The clear sense of continuity between interior and exterior amazes first-time visitors and keeps regular guests coming back,” explains Douglas Thornley of Gould Evans. “In the year-and-a-half since the winery opened, the client has seen an explosion of interest from people interested in visiting their new tasting space, joining their wine club and

learning about their approach to winemaking. The building has been a great catalyst for building their brand.”

A key component to the success of this design is, of course, the use of Western Red Cedar throughout the winery’s Estate House. All structure, exterior and interior siding, exterior and interior wood trim, and interior millwork and built-in furnishings are made of Western Red Cedar.



ABOUT THIS PROJECT

ARCHITECT

Gould Evans

CLIENT

Distinguished Vineyards
and Wine Partners

GENERAL CONTRACTOR

Wright Contracting, Inc.

STRUCTURAL ENGINEER

IDA Structural Engineers

PHOTOGRAPHY

Bruce Damonte

PROJECT TYPE

a winery, consisting of an estate
house and a barrel building



The warmth and integrity of Western Red Cedar as a material reinforced the residential feeling that the client was seeking.

— Douglas Thornley, AIA, GOULD EVANS



“We wanted to use a wood species that we could leave exposed on both the interior and exterior to reinforce our concept of a continuous indoor/outdoor experience for the visitor,” says Thornley, adding, “Western Red Cedar’s durability and beauty made it the best choice for this purpose.”

Perhaps not surprisingly, the clients are thrilled with the final result. “They love how the choice of wood helps to create a tasting room environment that is casual and warm, yet refined,” says Thornley. ●



MATERIAL & SPECS

GRADE

KD 'A' Clear
vertical grain

SIZE

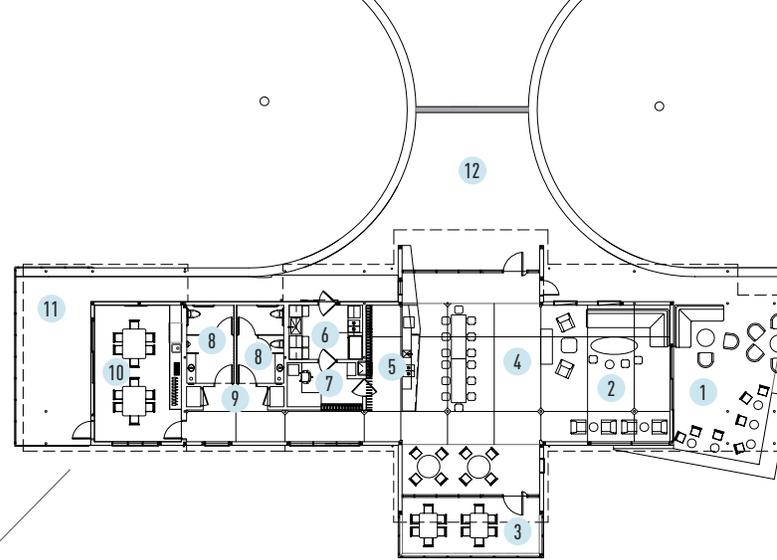
1 x 6 T&G, 1 x 4 T&G
fine-line, 2 x 4 and 3 x 10

FASTENING

stainless steel

APPLIED FINISH

ext: semi-transparent gray stain
int: transparent stain



ESTATE HOUSE PLAN

- 1 North Terrace 2 Seated Tasting Room 3 East Terrace
- 4 Casual Tasting Room 5 Casual Tasting Bar
- 6 Back Bar 7 Office 8 Restrooms 9 Storage
- 10 VIP Room 11 South Terrace 12 Barrel Terrace



SPATIAL INSIDE-OUT FLOW

The architect opted to leave the Western Red Cedar exposed on both the interior and exterior to create a seamless flow between the two spaces.





Fire Island Pines

New York, USA



CELEBRATING CULTURE
& COMMUNITY

Pines Pavilion

The Pines Pavillion has been the epicenter of all social activity on Fire Island since the '80s. So when the original structure burned down in 2011, there was no question as to whether or not the tightly knit vacation community would resurrect their beloved nightclub. The question was how would they improve upon the design?

Enter Hollwich Kushner architecture.

SUSTAINABLE SOCIAL CENTER

Architects at Hollwich Kushner chose Western Red Cedar to create a new, sustainability focused event space for a Fire Island community.



ABOUT THIS PROJECT

“The client asked for a 10,000-square-foot building that feels like a multitude of that,” explains Hollwich Kushner principal Matthias Hollwich. “All different programs are interlocked with each other and connected with many different points of access, turning a building into an engaging and urban entertainment hub.”

The result is an instantly recognizable icon with wooden supertresses shaping its image. The giant, terraced, open-air facade lets the building visually disappear as it fills with revelers, so that incoming ferries see people,

not just architecture. Inside, a gym, two bars, three stores and one event space act as a social engine for community building.

In addition to celebrating island life and beach culture, sustainability was key to this design.

“By eliminating walls from 30% of the building and turning these areas into open-air terraces, the building re-engaged people with nature and reduced the need for heated or cooled enclosed space,” says Hollwich. “The building is almost exclusively constructed using Western Red Cedar, which is a potent CO₂ container and is recyclable.”

ARCHITECT

Hollwich Kushner

CLIENT

Blesso Properties

GENERAL CONTRACTOR

Ross Brothers Construction

STRUCTURAL ENGINEER

Experion Design Group

PHOTOGRAPHY

© Michael Moran

PROJECT TYPE

cultural



PRACTICAL BEAUTY
Hollwich Kushner took full advantage of Western Red Cedar's natural beauty for this stunning community project.

The Pines Pavilion's Western Red Cedar trusses reshaped the image of the whole neighborhood by embracing the beachfront community's progress, oneness and pride.

— Matthias Hollwich, SBA



ONE WITH NATURE
The architect intentionally left the cedar untreated to integrate the Pines Pavilion into the aesthetic of the beach community.



As for finish, the Hollwich Kushner design team took full advantage of Western Red Cedar's natural beauty as well as its natural resistance to rot, decay and insects.

"We intentionally left it untreated so that it quickly faded to silver, thus integrating the building into the aesthetic of the larger beach community," says Hollwich, who had full backing for his choice in building material. "Our client instantly liked the idea and went with us all the way, including our choice to keep it natural rather than treating the wood—we all love it!" ●



MATERIAL & SPECS

GRADE

siding: KD 'A' Clear
decking: KD Architect

FASTENING

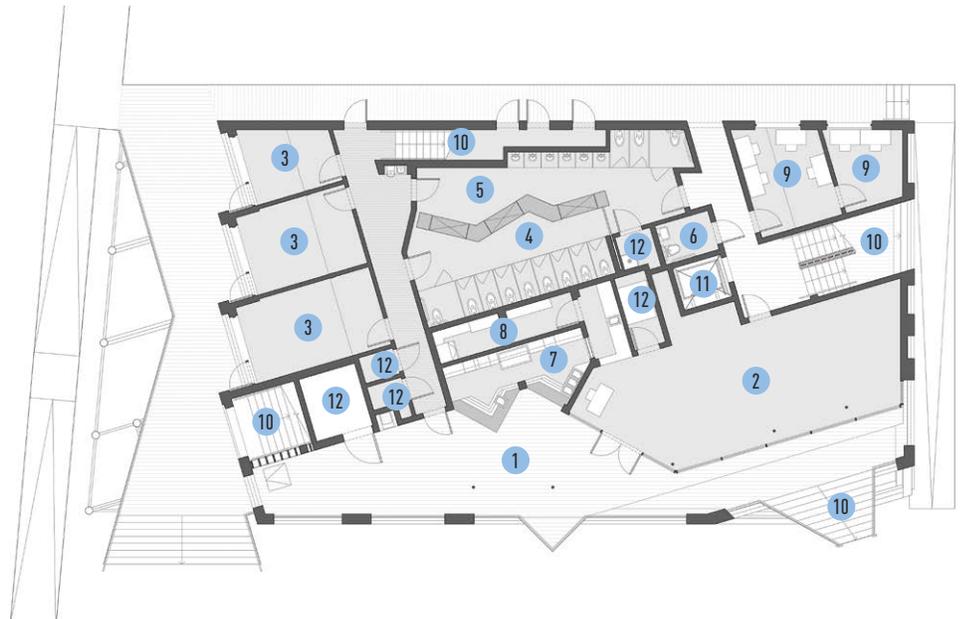
stainless steel

APPLIED FINISH

none

PINES PAVILION PLAN

- 1 Outdoor Terrace
- 2 Gym
- 3 Retail Space
- 4 Women's Bathroom
- 5 Men's Bathroom
- 6 Outdoor Bathroom
- 7 Outdoor Bar
- 8 Prep Room
- 9 Office Space
- 10 Stairs
- 11 Elevator
- 12 Storage





Maple Grove
Minnesota, USA



BEYOND THE
LODGE AESTHETIC

Central Park of Maple Grove Warming House & Pergola

U+B Architecture and Design were challenged to meet the needs of multiple stakeholders while working on the Maple Grove Central Park in Minnesota. The City's Parks and Recreation Board consisted of both traditionalists seeking the lodge aesthetic and other more modern sensibilities seeking a contemporary take on the warming house function.



DUSK DELIGHT

At night, the building serves as an inviting beacon, projecting light from within.

“Western Red Cedar was the material that allowed us to span both aesthetics in a way that everyone felt as though their opinions were heard and embraced,” explains Edie Sebesta, a senior associate at U+B. “The initial suggestion of the material was met with much agreement and the final execution praised by both traditional and modern sensibilities alike.”

Once a gravel pit, the 40-acre site is now regarded as an “urban park” and is a destination for families in the surrounding area who come to experience the unique all-season park. Beyond the

cedar warming house, the park includes a state-of-the-art playground, green playfield, walking trails, pergola, outdoor ice rink and maintenance building complete with a Zamboni garage.

Cedar continues within the warming house, covering the vaulted ceiling and concealing the building’s mechanical systems. Large barn doors that open and close the service counters within the building utilize the same clear cedar. Additionally, an adjacent pergola uses cedar as horizontal purlins, diffusing the sunlight to the seating below.



ABOUT THIS PROJECT

ARCHITECT

U+B Architecture & Design, Inc.

CLIENT

City of Maple Grove Parks & Recreation

GENERAL CONTRACTOR

RJM Construction

MECHANICAL & ELECTRICAL ENGINEERS

Nelson-Rudie & Associates, Inc.

STRUCTURAL ENGINEER

Bunkers & Associates, LLC

PHOTOGRAPHY

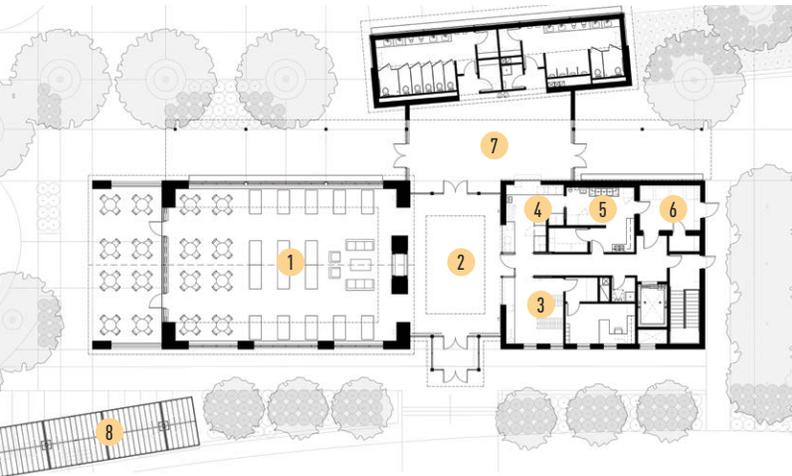
Andrea Rugg

PROJECT TYPE

public park warming house
and event space

The warmth of the material, coupled with the sustainable properties made Western Red Cedar an easy choice for this project.

— Edie Sebesta



1 Gathering/Warming House 2 Waiting/Queueing
3 Skate Rental 4 Concessions 5 Storage
6 Kitchen/Staging 7 Vestibule/Lobby 8 Pergola



In order to preserve and enhance the warmth of the material, U+B used a stain that brings consistency to the look of the cedar across the range of light to darker cedar, yet still showcases the natural beauty of the wood grain. The firm also specified

a UV-protective topcoat to ensure the tone would remain consistent and warm, even as the building ages.

The use of cedar clearly warmed the hearts of all of those involved in the pursuit of the perfect year-round park. ●

CEDAR CENTERPIECE

The ceiling is resplendent with warm strips of Western Red Cedar that glow from the incoming light.



MATERIAL & SPECS

GRADE
KD 'A' Clear

SIZE
1 x 4 T&G, fine-line and various
sizes for trim details in 1" and
2" thicknesses

FASTENING
ext: stainless steel blind nailed
int: finish nails

APPLIED FINISH
semi-transparent oil-based stain,
factory applied



Stellar Residences & Townhouses at Mountainside Northstar

Lake Tahoe

California, USA

CONTEMPORARY
OUTDOOR
LIVING

Celebrating outdoor living with direct access to skiing, hiking and biking these six LEED-certified, single-family units and eleven townhouses visually and materially engage their surroundings, emphasizing healthy living and environmental stewardship. As such, both Residences and Townhouses are clad in sustainable, Select Knotty Western Red Cedar siding.

To provide a sense of differentiation between units, two color palettes were used throughout—a weathering gray stain and a dark charcoal stain. At the residences, this naturally beautiful, cost-effective grade of WRC was also used on the underside of the large sweeping roof soffits and the blackened feature spine walls.

ARCHITECT Bohlin Cywinski Jackson CLIENT Mountainside Partners
GENERAL CONTRACTOR SMC Contracting STRUCTURAL ENGINEER Holmes Culley
PHOTOGRAPHY Nic Lehoux PROJECT TYPE vacation home/mountain retreat



REINTERPRETED CHALETS
Strips of Western Red Cedar on the ceilings radiate warmth to create an inviting presence.



Using WRC enabled us to provide a contemporary dwelling type that makes a strong connection to the surrounding environment, yet still pays homage to the Lake Tahoe vernacular.

— Gregory R. Mottola,
FAIA, DESIGN PRINCIPAL

“Western Red Cedar was selected for the project because it holds up well to Lake Tahoe’s varying weather conditions, where they might see extreme sun and prolonged snowfall, and 60° temperature swings,” explains Denis Schofield, AIA, the project’s lead architect. “It is a naturally beautiful material, quite affordable, and highly resistant to rot and decay.” ●

Stairway 2 Haven

Ottawa

Ontario, Canada

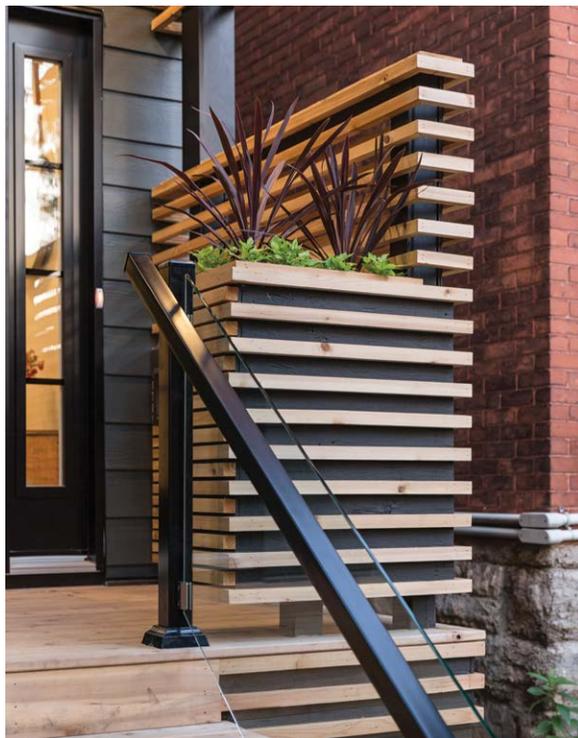
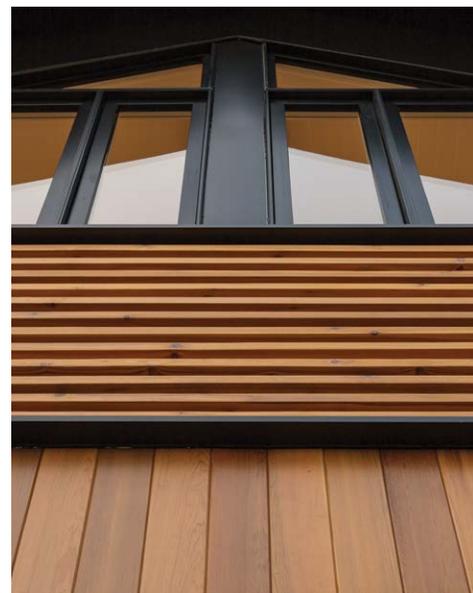
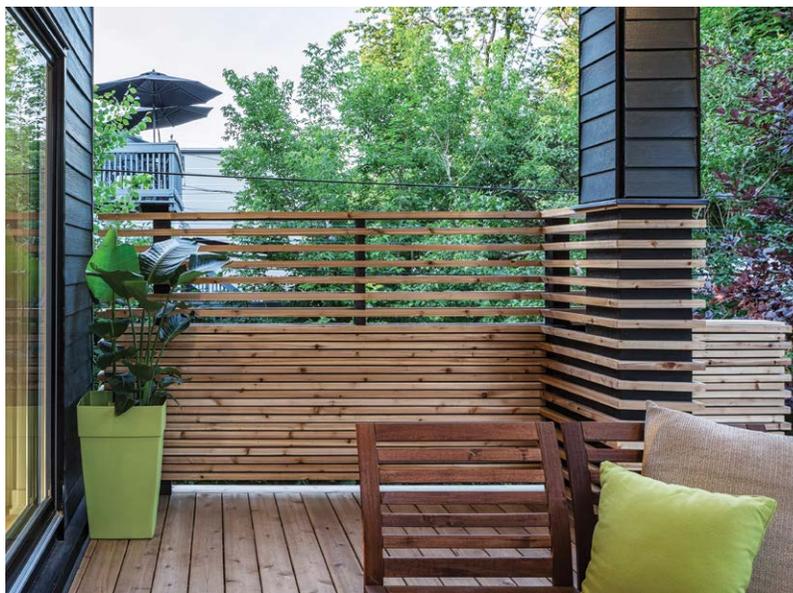
A RENO
THAT SHINES

As far as green renos go, this stunning project is a total standout. Houry Avedissian of Ha² Architectural Design transformed this original 1912, 1,150-square-foot slender frame into a significantly spacious and inviting 1,650-square-foot 2-story home. In addition, the estimated greenhouse gas emissions, for example, were reduced by 40% and the estimated energy consumption was reduced by approximately 75%. As well as energy reduction, a host of environmental features were added to reduce water use, improve indoor air quality and increase thermal comfort.

ARCHITECT Ha² Architectural Design - Houry Avedissian, B. Arch. MRAIC **CLIENT** young couple
GENERAL CONTRACTOR RND Construction **STRUCTURAL ENGINEER** CEL Capacity Engineering Limited
PHOTOGRAPHY JVL Photography-Justin Van Leeuwen **PROJECT TYPE** reno on two bedroom family home

Having seen my previous works, the clients were very receptive and excited about using Western Red Cedar on this project.

— Houry Avedissian, 2016 WOOD DESIGN AWARDS WINNER



For building materials, Avedissian used sustainably harvested, grade 'A' Clear and Select Knotty Western Red Cedar. Applications include siding, decking, privacy trellis as well as customized planters.

“Stairway 2 Haven residence renovation required an equally fitting exterior to reflect the gem within,” explains Avedissian, adding, “with the existing grey exterior siding, the only way to make her shine was to incorporate WRC siding on the second-floor walls. The beautifully contrasting color of the natural cedar wood was the only solution to tie the entire project together, bringing the native Vancouver client a taste of home out west.” ●

MAKEOVER MASTER

The renovation created an open concept from the front porch through the living spaces and extended all the way to the rear deck and garden.

Log Road Daikanyama

Tokyo · 東京

Japan · 日本

URBANITY
REVITALIZED

Log Road is not your average Japanese shopping mall. Located in the heart of Tokyo's trendy Daikanyama area, this stylish low-rise building complex offers shoppers a selection of carefully curated retail boutiques ensconced in a relaxing green space. So all the convenience of an urban setting, but none of the rat race frenzy. It also serves as the kick-off project for a 10-year redevelopment and revitalization plan to increase foot traffic and improve overall appeal of this strip that was formerly an above-ground section of the Tokyu Toyoko rail line.

ARCHITECT General Design Company Ltd. CLIENT Tokyu Corporation
GENERAL CONTRACTOR Tekken Corporation STRUCTURAL ENGINEER Tokyu Architects & Engineers Inc.
PHOTOGRAPHY Kawasumi · Kobayashi Kenji Photograph Office, © Log Road Daikanyama
PROJECT TYPE commercial facility



Western Red Cedar
has excellent
durability and
dimensional
stability. It also
has an attractive
color and texture.

TOKYU CORPORATION
DESIGN TEAM

RELAXING RETAIL

Cedar's inherent beauty creates a warm and inviting environment for shoppers looking to escape the hustle and bustle of city life.



In terms of building material, Western Red Cedar was a clear choice for the series of interconnected cottage-like shops and decking. As the Tokyu Corporation Design Team points out, the unique appearance, texture and scent of WRC combined with the seasonal landscape that surround the buildings have captured a lot of attention.

“Cedar turned out as we had hoped, as the project fits with the Daikanyama area while also creating a seasonal, park-like walking path with structures that could be in a log house resort development,” says the Tokyu Corporation Design Team. ●

A B O U T U S

The Western Red Cedar Lumber Association



The 10th volume of *The Cedar Book* profiles stunning and award-winning architecture from inspired architects around the world. These architects continue a tradition that started centuries ago when the native peoples of the Pacific Northwest recognized the value of using this unique wood species.



First Nations people recognized Western Red Cedar's natural durability, characteristics and versatility, making it the preferred choice for building ocean-going canoes 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 that this book, as well as the RealCedar.com online gallery, undoubtedly illustrates.

Western Red Cedar is one of nature's truly remarkable materials. It produces fewer greenhouse gases, generates less water and air pollution, requires less energy to produce than alternatives, and comes from a renewable and sustainable resource. More than ever before, we must find ways to reduce the pressure on our planet's environment and finite resources.

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 will inspire you to consider Western Red Cedar for your next project. ●

THANK YOU FOR YOUR INTEREST
IN WESTERN RED CEDAR.

PRODUCED WITH THE GENEROUS SUPPORT OF



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

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

realcedar.com

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