
WESTERN RED CEDAR MODERN ARCHITECTURE SERIES
the CEDAR BOOK
IX
REALCEDAR
WRCLA

WESTERN RED CEDAR MODERN ARCHITECTURE SERIES

the CEDAR BOOK

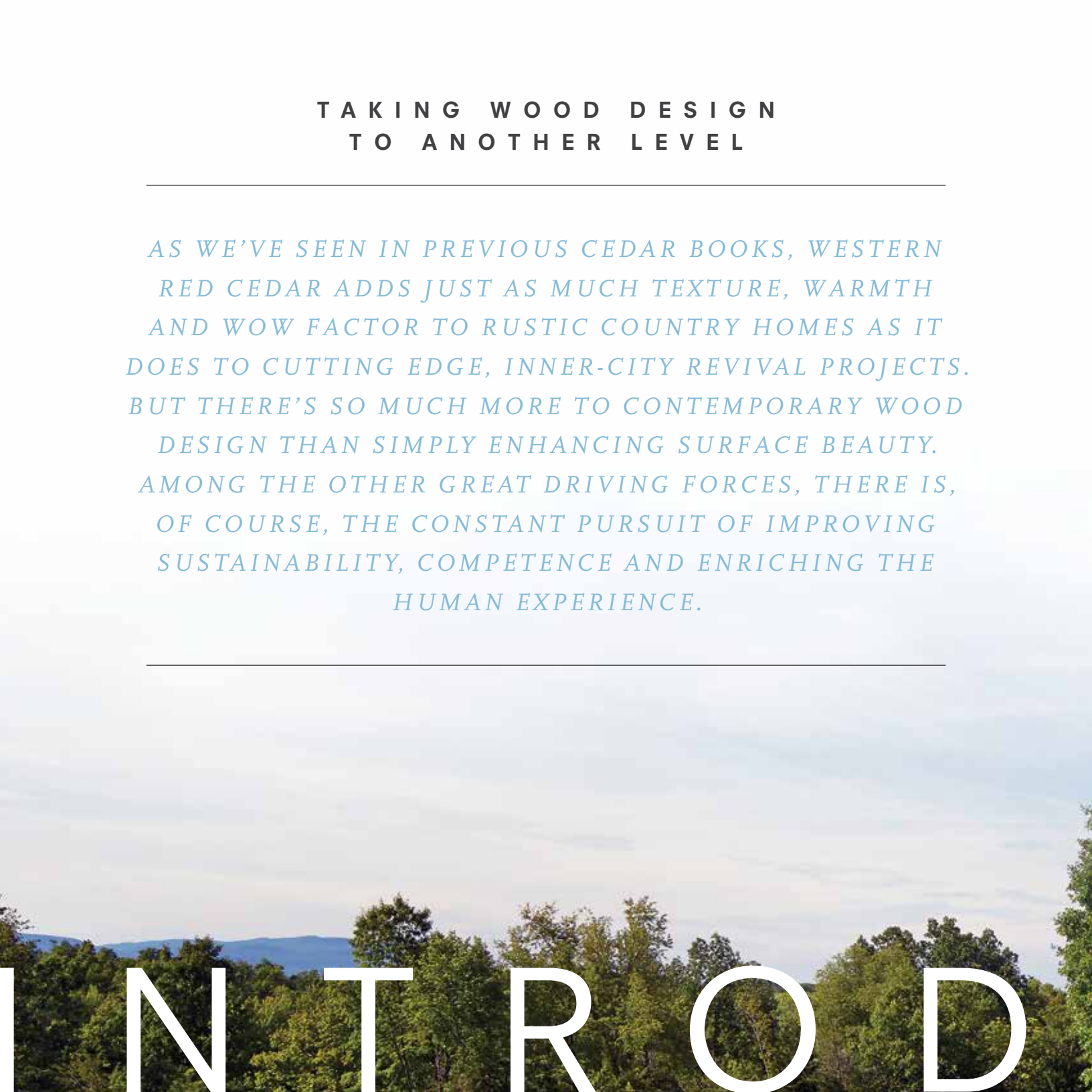
IX

TABLE OF CONTENTS

VOLUME IX

TAKING WOOD DESIGN TO ANOTHER LEVEL

AS WE'VE SEEN IN PREVIOUS CEDAR BOOKS, WESTERN RED CEDAR ADDS JUST AS MUCH TEXTURE, WARMTH AND WOW FACTOR TO RUSTIC COUNTRY HOMES AS IT DOES TO CUTTING EDGE, INNER-CITY REVIVAL PROJECTS. BUT THERE'S SO MUCH MORE TO CONTEMPORARY WOOD DESIGN THAN SIMPLY ENHANCING SURFACE BEAUTY. AMONG THE OTHER GREAT DRIVING FORCES, THERE IS, OF COURSE, THE CONSTANT PURSUIT OF IMPROVING SUSTAINABILITY, COMPETENCE AND ENRICHING THE HUMAN EXPERIENCE.



Which is why Western Red Cedar is fast becoming the go-to choice for architects seeking innovative ways to elevate their projects through the use of natural materials.

These pioneers of modern wood design recognize that yes, Western Red Cedar is a genetically blessed appearance product, but they also appreciate how this top-performing durable wood inspires biophilic advances, structural ingenuity and green creativity. So, to focus solely on WRC's aesthetical allure would be doing this new wave of cedar-centric architects an injustice. With that in mind, we carved *Cedar Book IX* into the following three sections:

The first is "Material Matters." This chapter looks at how choosing the right wood can make all the difference when facing the challenges of enlightened design—be it harmonizing structure and topography, enhancing quality of life through accessible architecture or creating holistic environments. The inspired projects featured here are stylistically diverse, but they all have one thing in common—they used Western Red Cedar's naturally occurring properties to maximize both function and design. See how.

The second section focuses on WRC's street cred in "Cedar and the City." This chapter explores the undeniable beauty of juxtaposing natural building materials with clean urban design. And **the third section** is "Community Builders", projects that reflect and enrich the culture of their respective neighborhoods through thoughtful, integrative architecture.

Regardless of these common themes, no two cedar applications in this book are alike. Some boast a rich reddish color, some a warm honey blond hue, while others feature a silvery grey patina. Why so much variety? Western Red Cedar is pitch-free and resin-free, making it ideal for accepting and holding a wide range of finishes and stains. As well as being versatile, Western Red Cedar is naturally resistant to rot, decay and insect attacks. Hence, the projects featured in this book will stand the test of time and require relatively low maintenance.

In terms of environmental responsibility, this innately beautiful species is an ideal choice. In fact, independent life-cycle assessment studies prove woods such as Western Red Cedar have the smallest carbon footprint compared to other building materials.

Additionally, Western Red Cedar is harvested from the most sustainably managed forests in the world. British Columbia—the primary source for Western Red Cedar—has 129,679,000 acres certified by at least one internationally recognized, independent, third-party forest certification agency. That's more area than any other jurisdiction in the world (except Canada as a whole).

These are just some of the reasons the previous eight editions of the *Cedar Book* have inspired so many architects, designers, builders and developers, as well as their clients. Our hope is this latest edition will take that creativity to the next level. ◆

FOR MORE INFORMATION OR TO ANSWER ANY QUESTIONS ABOUT WESTERN RED CEDAR PRODUCTS, PLEASE VISIT **REALCEDAR.COM**.

PROJECT

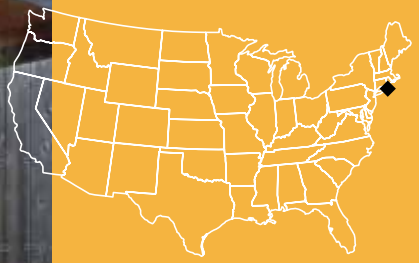
01

ELIZABETH II

THE SCIENCE OF SOUND

FOR HIS SECOND FAMILY HOME, a.k.a. "Elizabeth II", Paul Masi sought the best of both worlds. The award-winning architect wanted to feel plugged into the local community, but at the same time, he wanted to enjoy the peace and tranquility of living in a remote oceanside town. To reconcile the former, he had to find the right location, which in this case was a relatively modest, somewhat exposed plot of land right in the heart of Amagansett's lively and active village. To reconcile the latter, he had to hit the books and bone up on the science of sound.

PROJECT DETAILS WESTERN RED CEDAR



LOCATION
Amagansett, New York

ARCHITECT
Paul Masi,
Bates Masi + Architects

CLIENT
the Masi Family

STRUCTURAL ENGINEER
Steven L. Maresca

GENERAL CONTRACTOR
Bates Masi + Architects

PROJECT TYPE
single family home

PHOTOGRAPHY
Bates Masi + Architects

"The project required extensive research in acoustics in order to achieve the same level of privacy that typical homes in the area possess, which are built on larger, wooded lots," explains Masi, principal at Bates Masi + Architects. "This goal drove the form, materials and detail of the house, not only shielding the property from the sound of the village, but also manipulating interior details to create a unique acoustic character for the house."

The solution? Walls, of course. It seems obvious enough, but these aren't your average residential walls.

Here's where Masi's innovation comes in. "These parallel walls project beyond the living spaces and ascend in height, building from a human-scale wall at the entry to a high wall along the center of the house," says Masi. "The walls diffract the sound waves moving past them, casting an acoustic shadow over the property to create a quiet outdoor gathering area."

As for building materials, Masi opted for Select Knotty Western Red Cedar. On the exterior, he paired beautiful 12" wire-brushed boards with custom stainless steel clips for siding, fencing and the outdoor shower.

THE USE OF WESTERN RED CEDAR THROUGHOUT THE PROJECT ENHANCES THE HOME'S CHARACTER & CREATES A DIALOG WITH THE SURROUNDING LANDSCAPE & CULTURE.

Paul Masi, AIA
BATES MASI + ARCHITECTS

He also used that same combo to panel the kitchen, living room, dining area, hallways, guest room and guest bathroom.

While it's true, nature's most versatile building material does possess acoustical properties, that's not necessarily why it was selected for this project.

According to Masi, it was chosen for "its natural weathering capability and beauty." Either way, the result is absolutely stunning—so much so that Bates Masi + Architects took home top prize at the 2015 Wood Design Awards in the Western Red Cedar category. And as Masi points out, Elizabeth II's cladding is only going to get better over time.

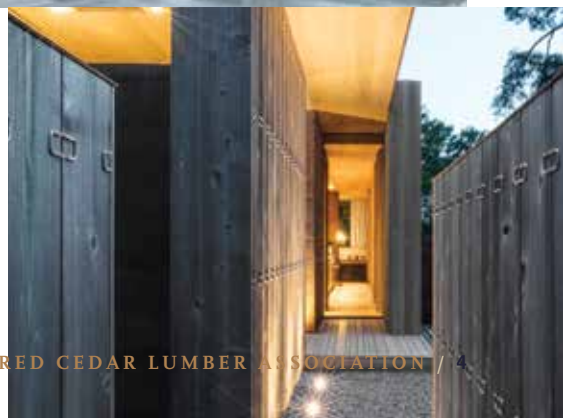
"As the home ages," he says, "it will begin to blend more and more with its surrounding landscape and develop a unique character." ◆

BEAUTIFUL SILVER PATINA

All cedar featured on Elizabeth II was wire brushed, creating a warm and lived-in atmosphere.

INSIDE AND OUT

Select Knotty Western Red Cedar was used throughout the home to connect the interior with the exterior.



DESTINED TO WIN
It's easy to see why Elizabeth II took home the top prize at last year's Wood Design Awards.

WESTERN RED CEDAR SPECIFICATIONS

GRADE
Select Knotty

SIZE
12″ boards

FASTENING
custom stainless steel clips

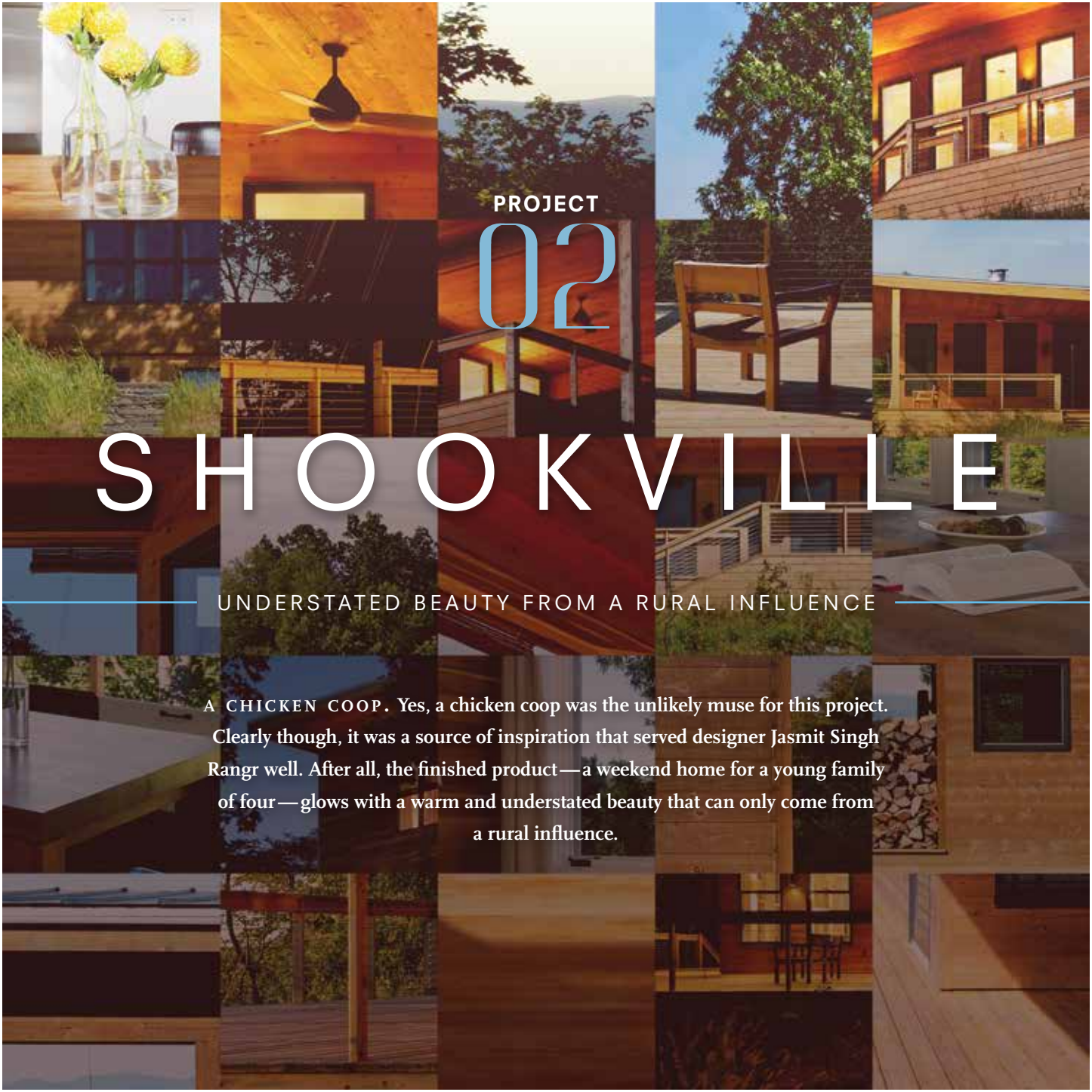
APPLIED FINISH
none

GROUND LEVEL

1. entry vestibule
2. kitchen
3. family
4. laundry
5. living/dining
6. bathroom
7. master bedroom
8. guest room
9. stairs
10. outdoor shower
11. open to below
12. storage

UPPER LEVEL

1. hallway
2. bedroom
3. bathroom
4. stairs



PROJECT

02

SHOOKVILLE

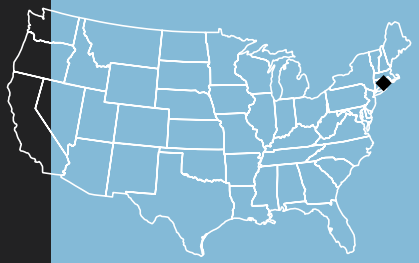
UNDERSTATED BEAUTY FROM A RURAL INFLUENCE

A CHICKEN COOP. Yes, a chicken coop was the unlikely muse for this project. Clearly though, it was a source of inspiration that served designer Jasmit Singh Rangr well. After all, the finished product—a weekend home for a young family of four—glows with a warm and understated beauty that can only come from a rural influence.

"The house is a very simple structure, built to have a humble appearance from the street while opening up to the views on the other side," says Rangr. The reason for such a straightforward program was twofold. The first was simply a matter of sensibilities.

The clients were more interested in living as one with the surrounding environment than constructing something showy. The other reason was, of course, budgetary constraints. Rangr was able to deliver on both fronts.

PROJECT DETAILS WESTERN RED CEDAR



LOCATION
Milan, New York

ARCHITECT
Jasmit Singh Rangr
Laurent Charlet

CLIENT
young family of four

STRUCTURAL ENGINEER
Robert Silman Associates

GENERAL CONTRACTOR
Terry Haviland,
JT McManus Inc.

PROJECT TYPE
weekend/summer
(single family)

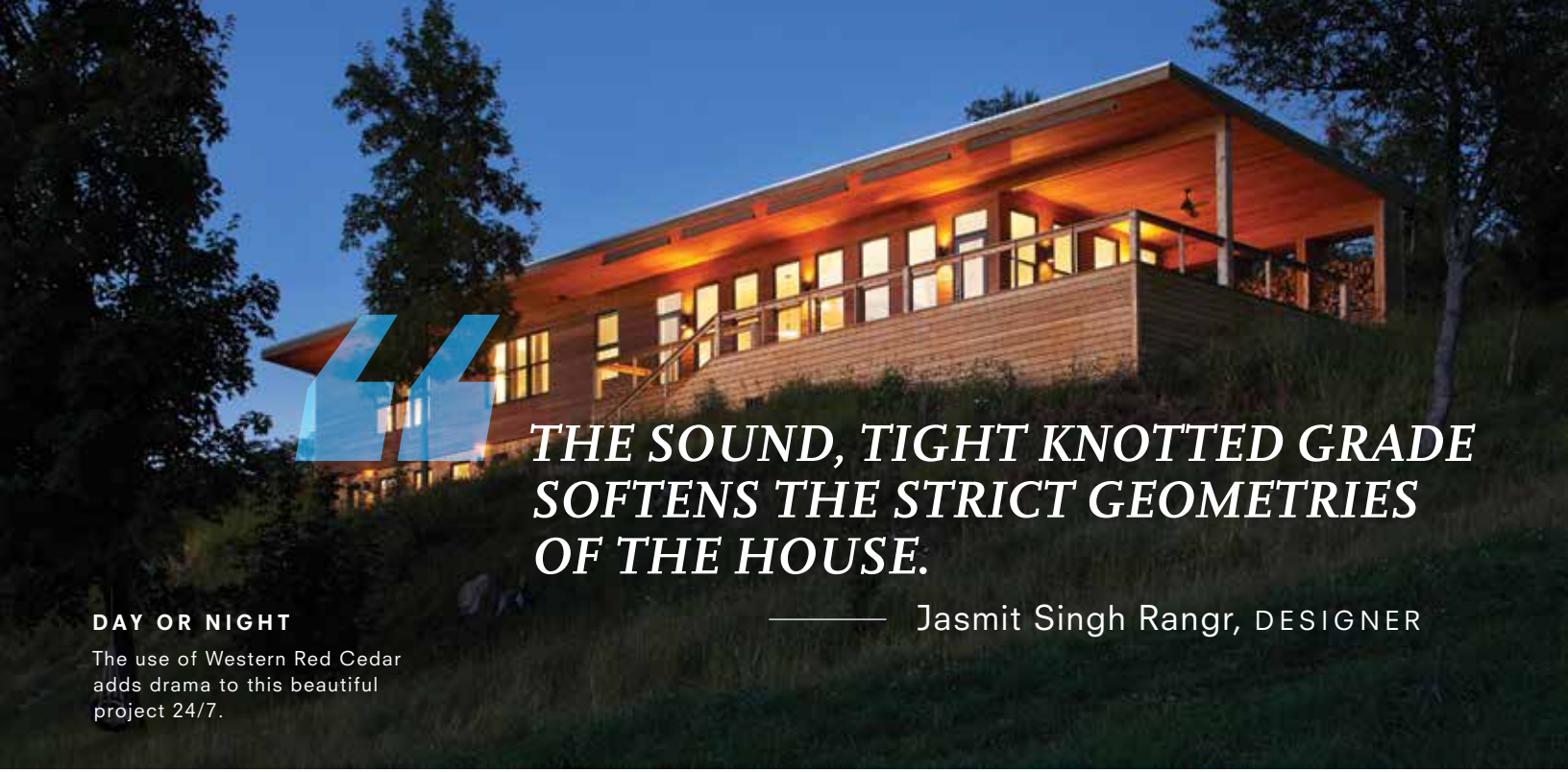
PHOTOGRAPHY
Mikiko Kikuyama

"We met their needs by using off-the-shelf products, like windows, and distributing and spacing openings to blur the distinction between outside and inside," he explains. "A deck to the side of the living/dining space also extends the interior space out into the landscape."

In terms of affordable building materials, Rangr had to ensure the exterior could stand up to some pretty unforgiving weather, including significant snowfalls and hot, humid summer days.

That's why he chose knotty Western Red Cedar for the siding, soffits, decking and railings.

"WRC really suits the environment and has natural insect-repelling qualities," says the award-winning designer, adding, "it's also part of the local vernacular and relatively inexpensive." ◆



THE SOUND, TIGHT KNOTTED GRADE SOFTENS THE STRICT GEOMETRIES OF THE HOUSE.

Jasmit Singh Rangr, DESIGNER

DAY OR NIGHT

The use of Western Red Cedar adds drama to this beautiful project 24/7.

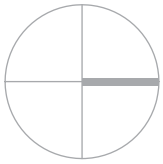
WESTERN RED CEDAR SPECIFICATIONS

GRADE
Select Knotty

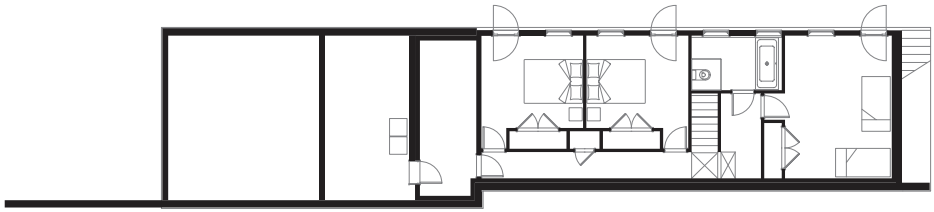
SIZE
1 × 6 (siding)
2 × 6 (decking)

FASTENING
stainless steel nails

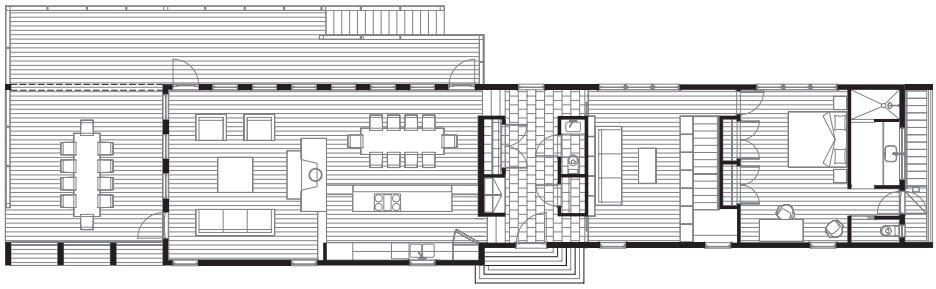
APPLIED FINISH
Rough sawn siding/sanded decking. Both sealed with clear sealer.

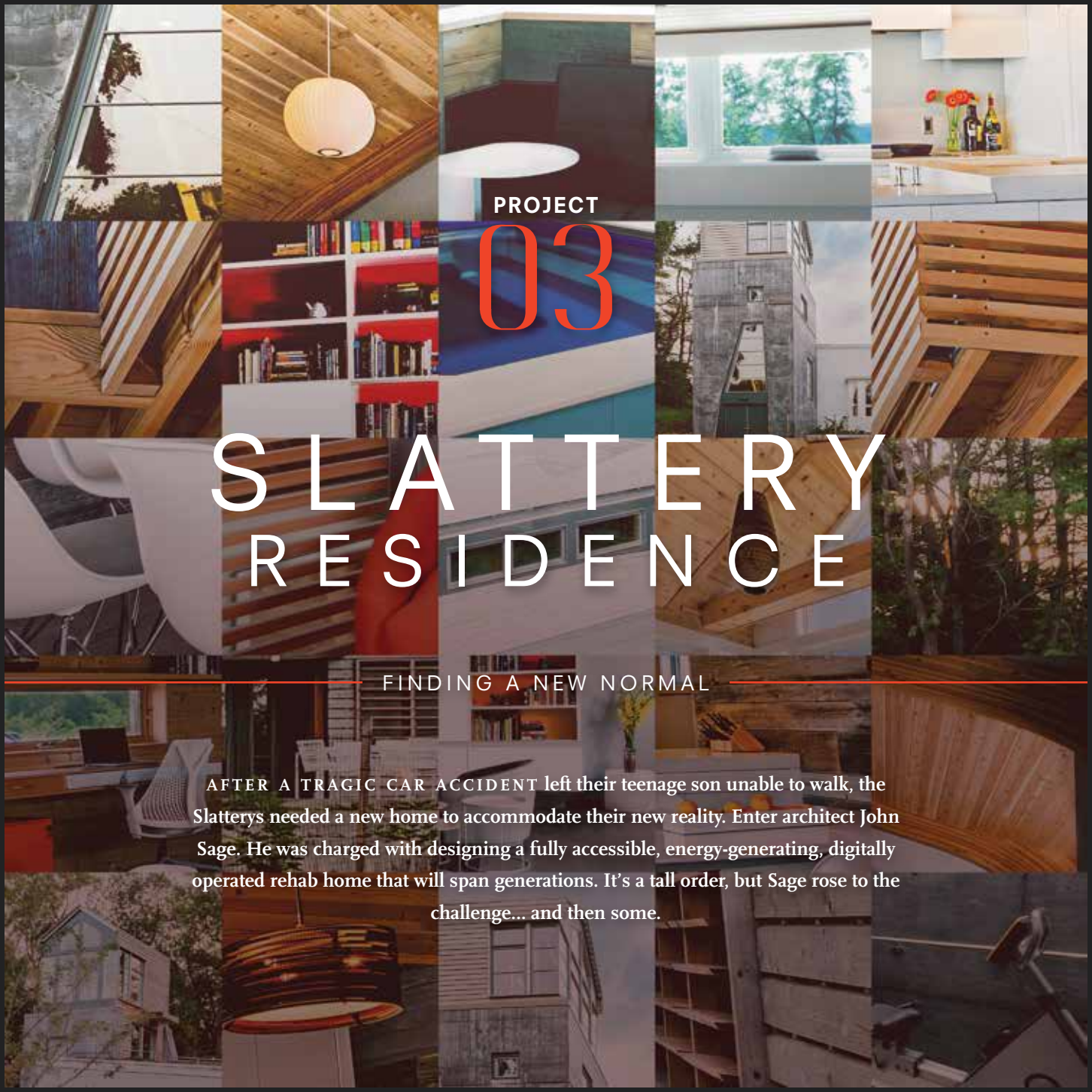


UPPER LEVEL



GROUND LEVEL





PROJECT

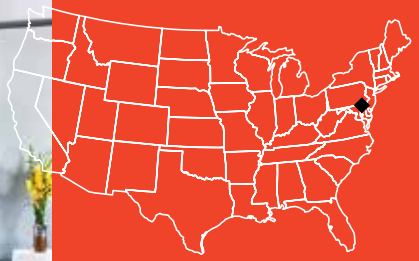
03

SLATTERY RESIDENCE

FINDING A NEW NORMAL

AFTER A TRAGIC CAR ACCIDENT left their teenage son unable to walk, the Slatterys needed a new home to accommodate their new reality. Enter architect John Sage. He was charged with designing a fully accessible, energy-generating, digitally operated rehab home that will span generations. It's a tall order, but Sage rose to the challenge... and then some.

PROJECT DETAILS WESTERN RED CEDAR



LOCATION
Baltimore County, Maryland

ARCHITECT
Alter Urban Design Collaborative

CLIENT
young family of four

STRUCTURAL ENGINEER
Murray Weiner P.E., M.ASCE

CHAIRLIFT ENGINEER
Versicor, Tom Sawarynski

GENERAL CONTRACTOR
J. Paul Builders

PROJECT TYPE
family home for two adult families

PHOTOGRAPHY
RAS Photography, Rachel Sale

"The home serves as both a test lab and showcase for integrated Universal Design," says Sage, principal at Alter Urban Design Collaborative. "Its organization and operation, while both easy and seamless, offer sets of planned challenges and environments that assist in mental and physical rehabilitation."

The main living area has two wings. One is tucked into the property's hillside. With vegetated walls and a green roof, this structure blends seamlessly into the slopes. Running perpendicular to that is an extruded gable, lending the holistic compound a certain traditional charm. But the most unique feature is the tower that rises above the trees, offering long views of the valley.

"Its isolation and bucolic vistas make it an ideal retreat and meditation space," explains Sage.

"A custom-designed chairlift serves as a means of access to the top level, as well as a form of exercise requiring the user to utilize the pulley system to raise the platform."

TOWER OF POWER

Clad in warm Western Red Cedar, this room with a view serves as a healing place for both body and mind.

For materials, Sage clad the entire exterior in a Western Red Cedar rain-screen system. Inside, he used tongue and groove (T&G) cedar as well to contrast some of the interior finishes, such as the concrete floor and walls. As for finish, what finish? He didn't need any.

"In addition to cedar's natural weathering and insect-resistant properties, we knew the slow graying of the material would enhance its integration with the landscape," he says.

Sage also specified a knotty grade of cedar for both inside and out. "The knotty grade of cedar brought additional texture to the palette," says Sage, adding, "it grows with character as its grain, color variation and subtle irregularity express an earthy authenticity unachievable with composite or synthetic products." ◆

SUSTAINABLE AND ACCESSIBLE

Western Red Cedar was key to achieving Sage's two major design goals.

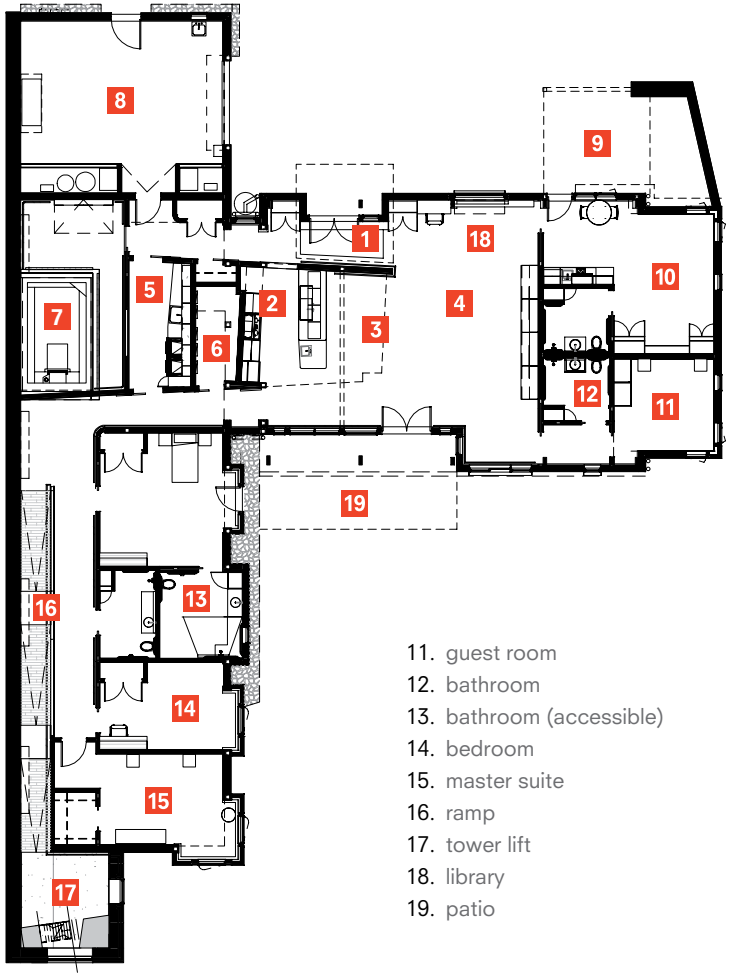
WESTERN RED CEDAR SPECIFICATIONS

GRADE
KD Select Knotty

SIZE
5/4 x 6 B&B (exterior)
1 x 6 T&G (interior)

FASTENING
stainless steel (exterior)
blind nailed (interior)

APPLIED FINISH
none



GROUND LEVEL

1. entry foyer
2. kitchen
3. dining room
4. living room
5. mudroom/laundry
6. storage
7. exercise room
8. garage
9. carport
10. in-law suite
11. guest room
12. bathroom
13. bathroom (accessible)
14. bedroom
15. master suite
16. ramp
17. tower lift
18. library
19. patio

"THE CHANGING NATURE OF WRC'S COLORING EMBODIES THE CHANGING QUALITIES OF THE LANDSCAPE—SEASONALLY & YEARLY.

— John Sage, AIA

INNER BEAUTY

T&G WRC offers a continuation of the exterior cladding, as well as provides extra warmth and texture.

PROJECT

04

TREE HOUSE (AUSTIN)

A BALANCE OF SOPHISTICATION & RESTRAINT

AS ANY PROUD LOCAL will tell you, "Keep Austin Weird" is an especially fitting motto for the 78704 area. Walk down these tree-lined streets and you'll find no shortage of gratuitous art, live music, funky boutiques and, of course, exciting architecture. A great example of the latter is the Tree House; a two-story spec project designed for an "imaginary future client" and made to form a symbiotic relationship between indoor and outdoor spaces.

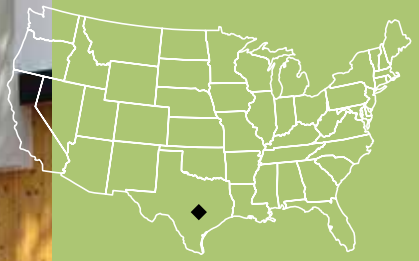
The firm tasked with making it so was Matt Fajkus Architecture. The challenge? A large oak tree growing in the middle of the property. His muse? A mighty oak tree growing in the middle of the property.

"We chose to work with it, and not against it," explains Matt Fajkus. "We designed the home intentionally around the tree, and carefully considered how each room of the home reacts to the site and this preserved tree in the courtyard."

In addition to honoring the stoic oak, the other main objective was to create a balance of sophistication and restraint.

The Matt Fajkus Architecture team did this by pulling together a crisp composition of carefully considered building materials, including Western Red Cedar T&G siding and soffits—some of which he painted a neutral grey and some of which he applied a clear finish for an *au naturel* look.

PROJECT DETAILS WESTERN RED CEDAR



LOCATION
Austin, Texas

ARCHITECT
Matt Fajkus Architecture
Travis Cook
Matt Fajkus, AIA
David Birt
Thomas Johnston

CLIENT
no client

STRUCTURAL ENGINEER
Smith Structural Engineers

GENERAL CONTRACTOR
Don Fry of Brodie Builders

PROJECT TYPE
designed as spec house with young family in mind

PHOTOGRAPHY
Brian Mihealsick, Bryant Hill & Allison Cartwright from Twisted Tours

FUNKY TOWN

Adding warmth and playing it cool, Western Red Cedar complements this hip Austin spec project.

"We also used cedar in the master bedroom ceiling and at the balcony overlooking the front yard," says Fajkus, a tenure-track professor in the Austin School of Architecture at the University of Texas. "The fences and gates were also made of cedar."

For these exposed portions of wood, MF Architecture chose a beautiful select knotty grade of cedar—a wise choice, according to Fajkus, for several reasons.

"It's a readily available, cost-effective natural material that's both equally attractive in its natural finish as well as painted," he says, adding, "the knots in this case added a desired texture and contrast to the clean and minimal massing of the white stucco on the house.

In terms of composition, the wood provides a warmth and richness that complements the concrete floors, stucco volumes and clean-lined geometry of the overall massing of the home." ◆

BY CONTRASTING THE VARIED & RICH TEXTURE OF KNOTTY CEDAR WITH CLEAN LINES & WHITE FIELDS OF THE NATURAL STUCCO, WE WERE able TO ACHIEVE A VISUALLY RICH MATERIAL PALETTE THAT IS BOTH NATURAL & COST-EFFECTIVE.

— Matt Fajkus, AIA, NCARB, LEED AP

LIVE CENTERPIECE

Architect Matt Fajkus ensured every interior and exterior space has a unique relationship to the site's mighty oak tree.

CRISP COMPOSITION

The two-story white stucco and cedar massing allow for a bold yet humble street presence.

WESTERN RED CEDAR SPECIFICATIONS

GRADE
KD A&Btr (painted WRC)
KD Select Knotty (natural WRC)

SIZE
1 x 6 T&G

FASTENING
stainless steel nails

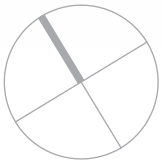
APPLIED FINISH
clear finish

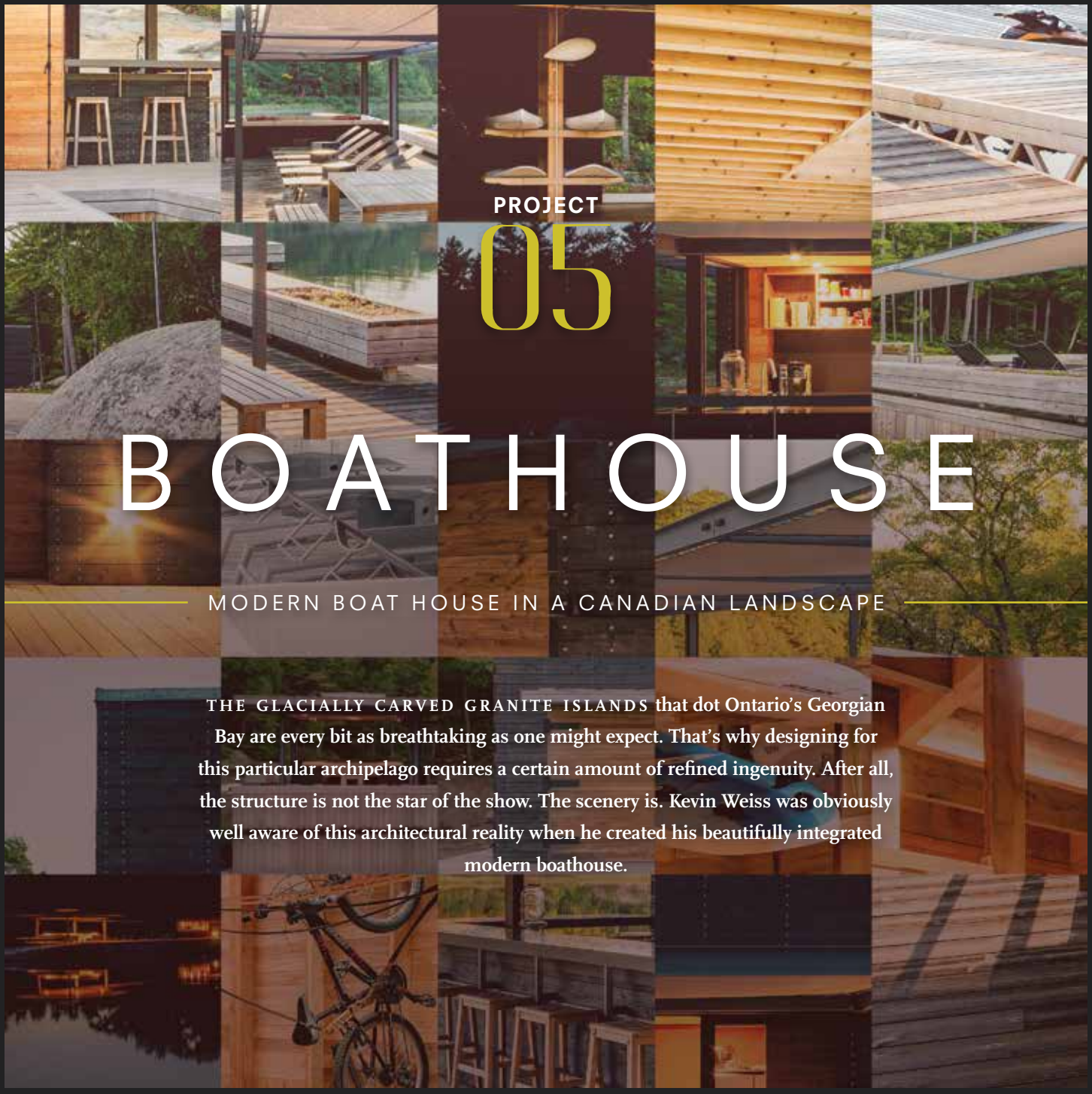
GROUND LEVEL

1. carport
2. covered entry
3. study
4. foyer
5. powder room
6. kitchen
7. dining
8. living room
9. deck
10. courtyard
11. library/media room
12. master bathroom
13. master suite

SECOND LEVEL

14. bedroom
15. bedroom
16. balcony
17. shared bath





PROJECT

05

BOATHOUSE

MODERN BOAT HOUSE IN A CANADIAN LANDSCAPE

THE GLACIALLY CARVED GRANITE ISLANDS that dot Ontario's Georgian Bay are every bit as breathtaking as one might expect. That's why designing for this particular archipelago requires a certain amount of refined ingenuity. After all, the structure is not the star of the show. The scenery is. Kevin Weiss was obviously well aware of this architectural reality when he created his beautifully integrated modern boathouse.

As per the clients' request, this is not merely a storage space for water sports equipment either. With the main cottage quite a bit inland and almost out of sight from the water, the boathouse site also serves as the primary hub for all daytime leisure activities. Therefore, the plans called for a fully equipped kitchen, bar seating, covered lounge and more. All these connected building elements sit on a submerged structure of rock and timber cribs. It's a stunning feat in architecture, especially when you consider that this leisure palace is barely visible from many points of view.

"On approach, due to its thinness and horizontality, this ensemble almost disappears as it recedes into the landscape," explains Weiss. "As the main dock extends out far into a small bay, it sits under the cover of the pavilion and blends into the surrounding panorama of smooth granite, still water and commanding jack pines. The landscape remains the dominant experience."

PROJECT DETAILS WESTERN RED CEDAR

LOCATION
The Archipelago, Georgian Bay

ARCHITECT
Weiss Architecture & Urbanism Limited

CLIENT
family

STRUCTURAL ENGINEER
Blackwell Engineering

GENERAL CONTRACTOR
Scott Sutherland

PROJECT TYPE
boathouse for a cottage

PHOTOGRAPHY
Arnaud Marthouret

Along with scale and composition, building materials were carefully considered to make sure the boathouse harmonized within its natural context. The docks, for example, are made with Select Knotty Western Red Cedar decking and the storage building features a clear grade of Western Red Cedar siding.

"WRC is perfect for the integration of the landscape," says Weiss, who also wanted a species of wood that could stand up to Mother Nature all year long. "While the interior utilized Douglas Fir, we wanted to ensure a more durable product for the exterior, hence the use of carefully detailed cedar." ◆

REC CENTER

Since the island is only accessible by boat, the cedar-clad boathouse and durable dock areas are an important part of life for these cottagers.

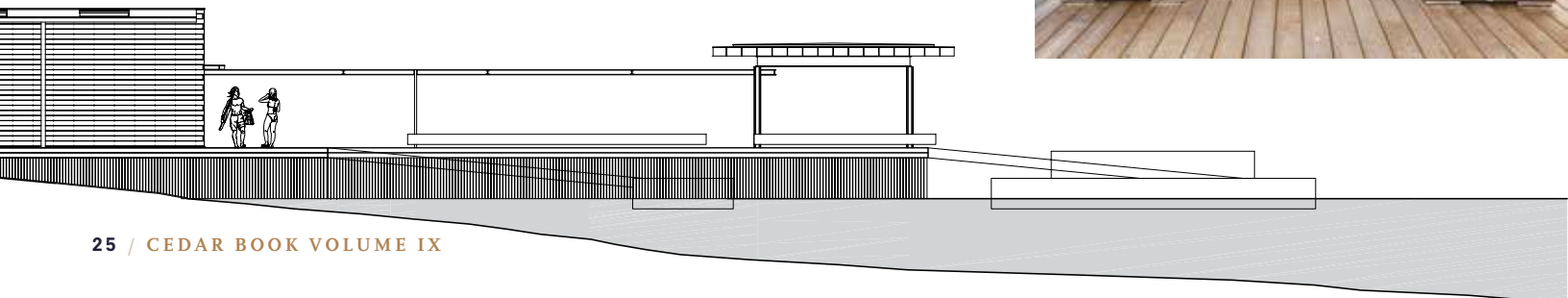
WESTERN RED CEDAR SPECIFICATIONS

GRADE
Select Knotty T&G and Architect Knotty decking

SIZE
1 x 6 T&G
2 x 6 decking

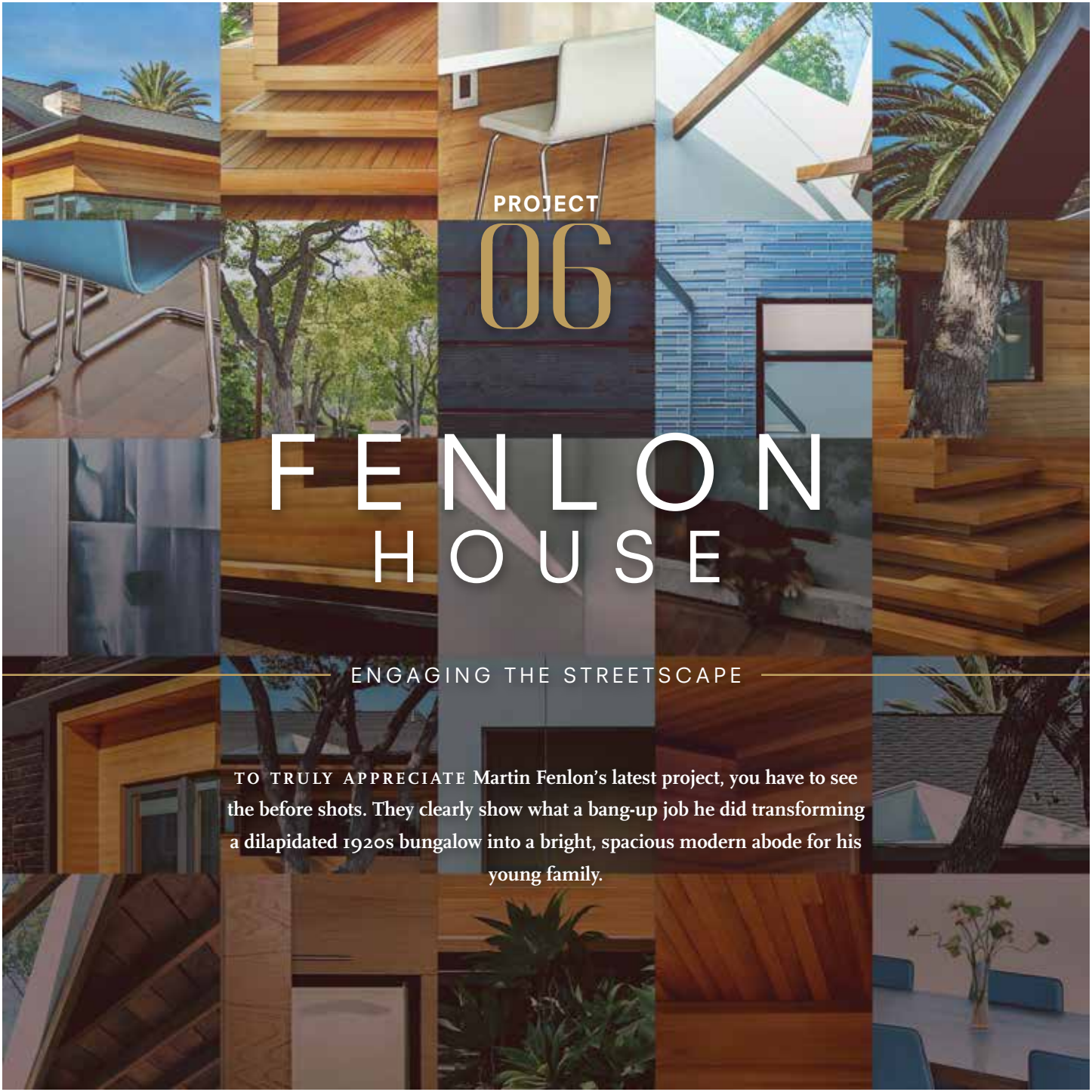
FASTENING
exposed stainless steel fasteners (storage building), hidden deck fasteners (dock)

APPLIED FINISH
stained black (servery building), natural (dock)



WE CHOSE WRC FOR ITS DURABILITY & RESISTANCE TO THE ELEMENTS, MODERN AESTHETIC & NATURAL PATINA.

Kevin Weiss, ARCHITECT



PROJECT

06

FENLON HOUSE

ENGAGING THE STREETSCAPE

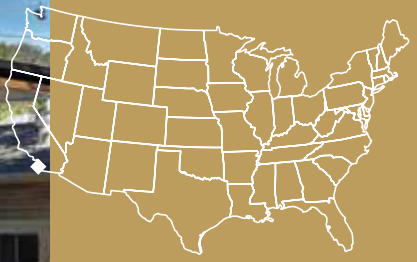
TO TRULY APPRECIATE Martin Fenlon's latest project, you have to see the before shots. They clearly show what a bang-up job he did transforming a dilapidated 1920s bungalow into a bright, spacious modern abode for his young family.

His primary challenge was creating volume in a cramped home on a lot with limited and non-conforming setbacks. He rose to this design challenge by removing the original gabled porch roof and turning it into a triangular skylight, allowing natural light to pour through. He also maximized space by removing the existing attic flooring as well as the walls in between the main living spaces. But the most impressive enhancement has to be the new addition.

Fenlon agrees.

"This new front piece appears to be intimately nested within the older existing house, while maintaining a stark differentiation," explains the award-winning architect. "It's clad in clear Western Red Cedar, which contrasts the torched cedar that wraps the rest of the structure. The front addition integrates the house with the adjacent streetscape as it terraces down to the sidewalk and forms a long bench."

PROJECT DETAILS WESTERN RED CEDAR



LOCATION
Los Angeles, CA

ARCHITECT
Martin Fenlon Architecture

CLIENT
Martin Fenlon
Nicole Mihalka

STRUCTURAL ENGINEER
Martin Fenlon

GENERAL CONTRACTOR
Martin Fenlon

PROJECT TYPE
family home

PHOTOGRAPHY
Zach Lipp

DOUBLE DUTY

Two different cedar applications were used to transform this once dilapidated bungalow into a modern day beauty.

The dark cedar wrap, meanwhile, complements the home's interior, where the original tongue and groove Western Red Cedar ceiling still remains beautifully intact. Longevity, it so happens, is just one of the many reasons Fenlon selected nature's most versatile building material for this project.

"Western Red Cedar was chosen for its durability and beauty, along with its favorable reaction to torching as a finish," says Fenlon. And he's glad he did. Come to think of it, so are many of his neighbors and passersby.

"The front addition really engages the street," he says. "It's been well-received to the point that it's common for people to stop and sit on the front bench, with kids frequently running across it for fun." ◆

CURB APPEAL

When viewed from the street, the stunning cedar siding makes a visual impact few can ignore.

THE BEAUTIFUL MATERIALITY OF THE WESTERN RED CEDAR CREATES A NICE EFFECT WHERE TWO DIFFERENT APPLICATIONS CONTRAST & ENHANCE EACH OTHER. — Martin Fenlon, ARCHITECT

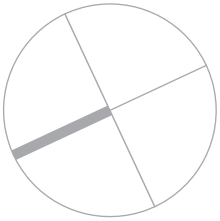
WESTERN RED CEDAR SPECIFICATIONS

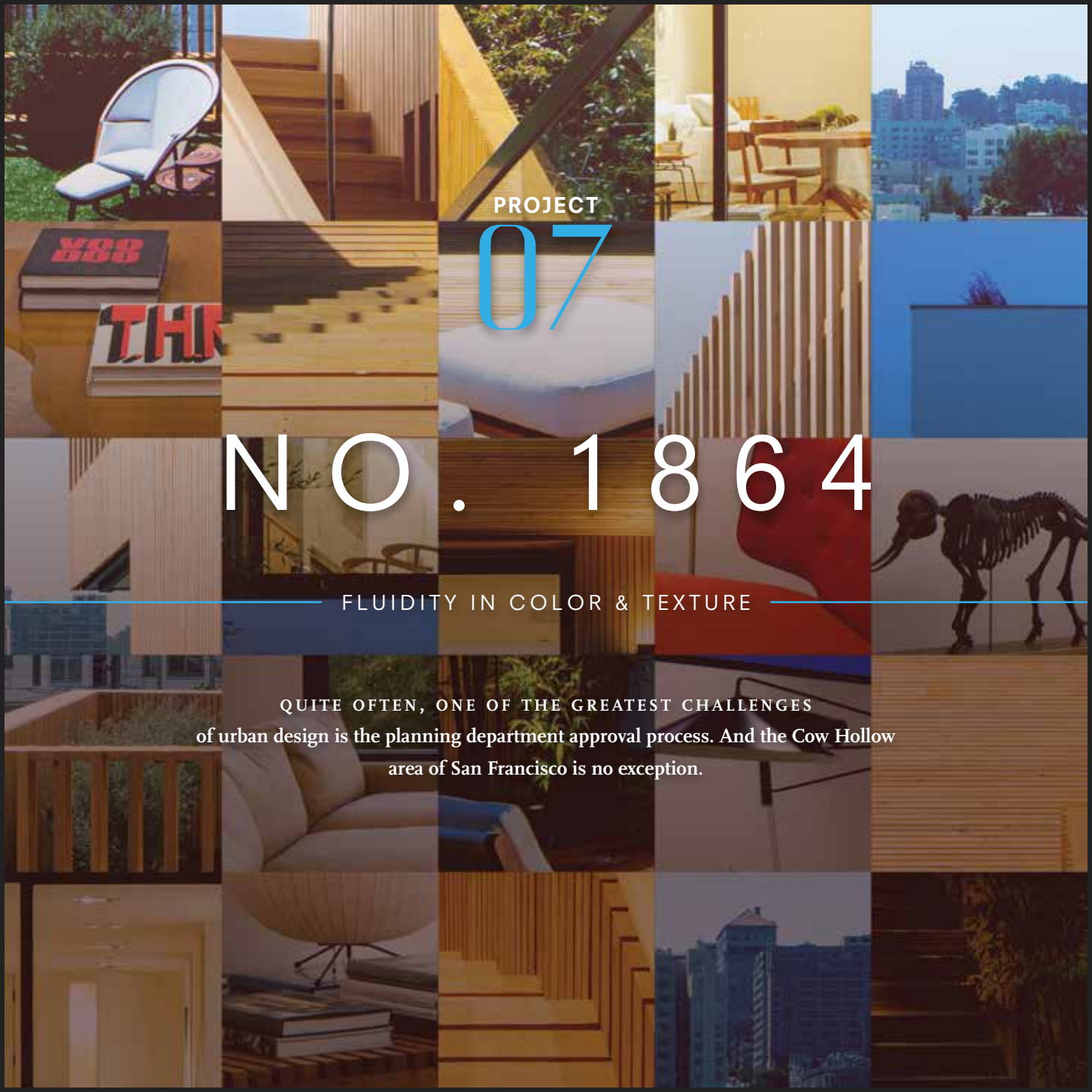
GRADE
KD Select Knotty
(torched siding),
KD Clear
(front siding & decking)

SIZE
1 × 6 (torched siding)
1 × 4 (clear siding)
2 × 4 (decking)

FASTENING
stainless steel nails and screws

APPLIED FINISH
transparent stain





PROJECT

07

NO. 1864

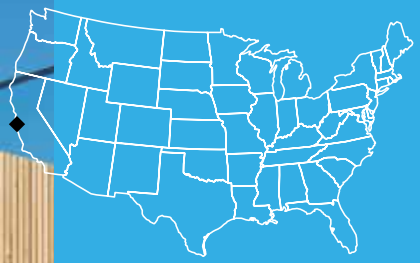
FLUIDITY IN COLOR & TEXTURE

QUITE OFTEN, ONE OF THE GREATEST CHALLENGES of urban design is the planning department approval process. And the Cow Hollow area of San Francisco is no exception.

As architect Amir Mortazavi explains it, some neighbors like to exercise their right to delay, or in some extreme cases, shut down ambitious architectural projects. Thankfully, they didn't completely block Mortazavi from designing his four-story, minimalist masterpiece, N° 1864… they just stalled it a bit.

Despite all the regulation hurdles, Mortazavi says designing this warm, two-tone home was an absolute pleasure.

PROJECT DETAILS WESTERN RED CEDAR



LOCATION
San Francisco, CA

ARCHITECT
M-PROJECTS
with Larson Shores

CLIENT
M-PROJECTS

STRUCTURAL ENGINEER
SAABCO

GENERAL CONTRACTOR
M-PROJECTS

PROJECT TYPE
family home for
two adult families

PHOTOGRAPHY
Ethan Kaplan

ATTENTION GRABBER

The Western Red Cedar staircase, siding and decking are the most talked about design aspect of this project.

"The client was the easiest client, as I understood him and his desires well," says Mortazavi, adding, "the client was me!"

With that in mind, he knew exactly what kind of environmental objectives this particular "client" was aiming for.

"Our goal was to recycle the existing building that was demolished," he continues, "and to use energy-efficient materials as well as what I believe to be the most sustainable materials; materials that won't be demolished in the future as they will patine and become more interesting with time."

MINIMALIST MARVEL

With the use of Western Red Cedar, this pared-down, clean design is still warm and inviting.

His exterior palette consists of white stucco combined with beautiful, Western Red Cedar vertical rain-screen siding and decking. For greater depth and warmth, he opted for a knotty grade of cedar.

"I think that the knotty cedar on the outside, with oak on the inside, created a fluidity in color tones and texture throughout the home," he says. "Also, the WRC enhances the visual impact of the white stucco." ◆

"I USED KNOTTY CEDAR CUT INTO THIN STRIPS TO ADD TEXTURE & DEPTH TO THE HOME.

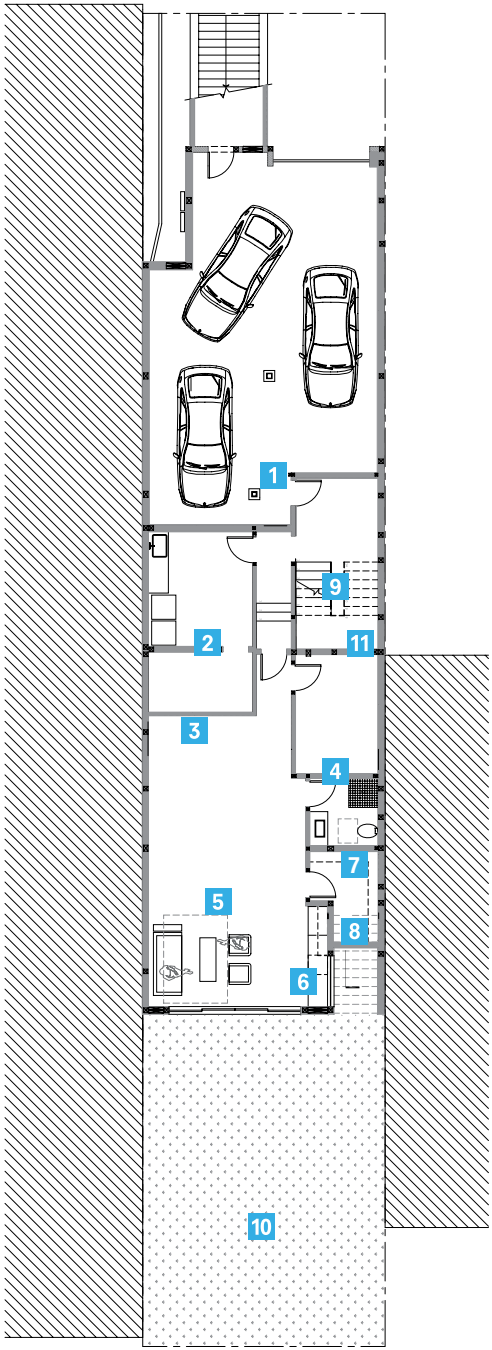
Amir Mortazavi, ARCHITECT

ODD COUPLE

Warm cedar and cool white stucco may seem like an unlikely pair, but they sure do make beautiful exteriors together.

SAN FRAN SPECIAL

The warm, four-level minimalist home offers expansive views of the City by the Bay.



WESTERN RED CEDAR SPECIFICATIONS

GRADE
KD Select Knotty

SIZE
1″ x 2″

FASTENING
stainless steel nails & screws

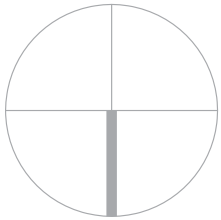
APPLIED FINISH
seal once

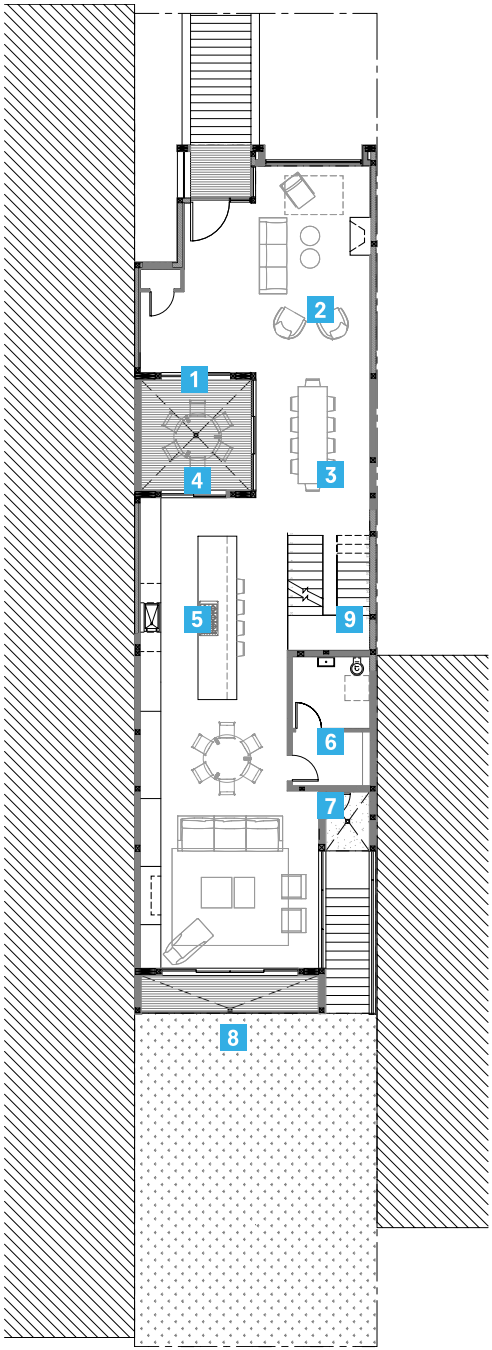
GROUND LEVEL

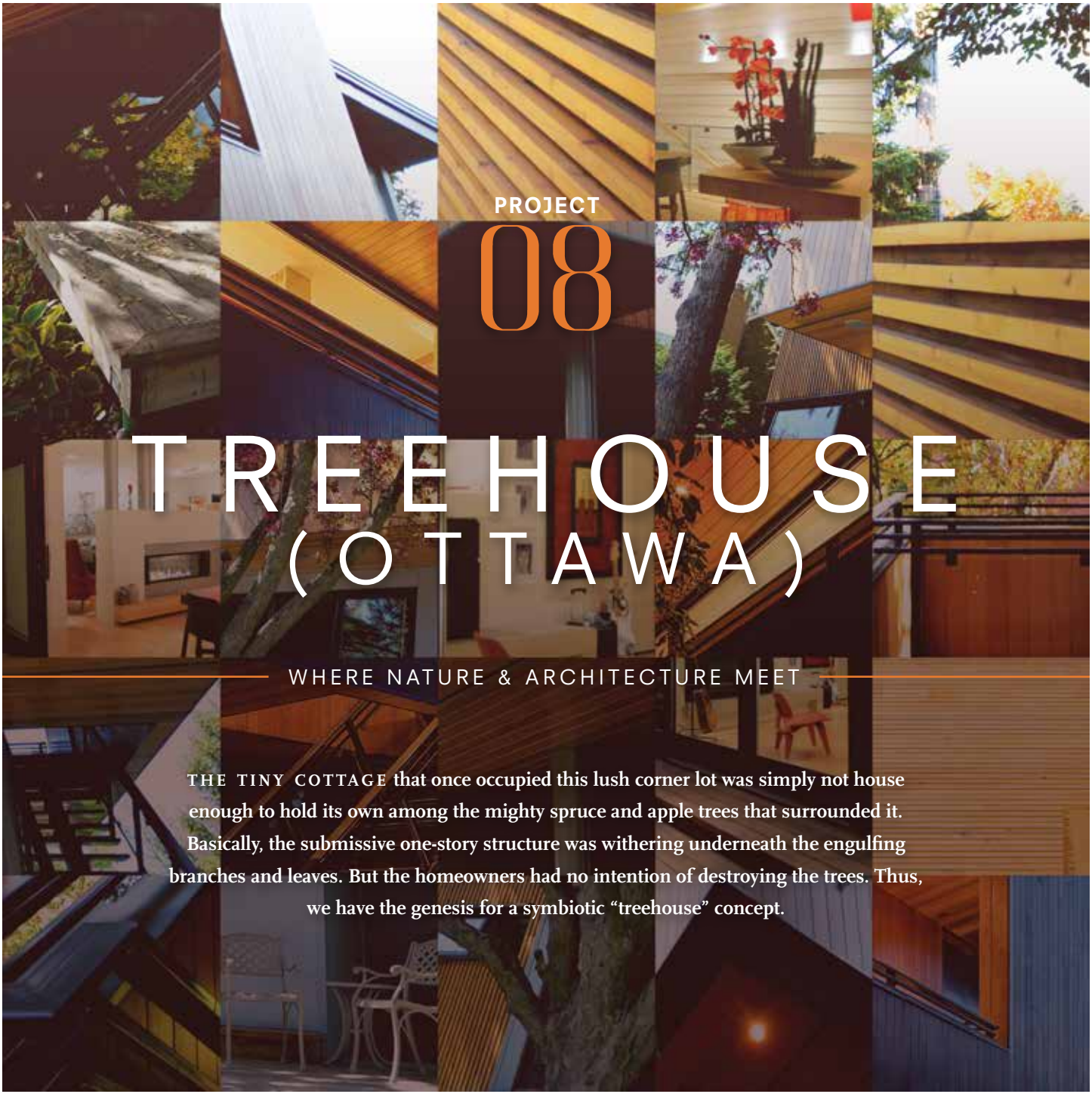
1. garage
2. laundry room
3. ultility room
4. closet
5. guest room
6. bar area
7. bathroom
8. closet
9. closet
10. open green space
11. stairs

SECOND LEVEL

1. entry
2. living
3. dining
4. deck
5. kitchen
6. private bathroom
7. closet
8. deck
9. stairs







PROJECT

08

TREEHOUSE (OTTAWA)

WHERE NATURE & ARCHITECTURE MEET

THE TINY COTTAGE that once occupied this lush corner lot was simply not house enough to hold its own among the mighty spruce and apple trees that surrounded it. Basically, the submissive one-story structure was withering underneath the engulfing branches and leaves. But the homeowners had no intention of destroying the trees. Thus, we have the genesis for a symbiotic "treehouse" concept.

PROJECT DETAILS WESTERN RED CEDAR

LOCATION
Ottawa, Ontario

ARCHITECT
Ha² Architectural Design

CLIENT
professional female

STRUCTURAL ENGINEER
WSP Group

GENERAL CONTRACTOR
Pierre Binette
Binette Construction

PROJECT TYPE
2,200sf single-family home
(custom urban infill)

PHOTOGRAPHY
JVL Photography &
Houry Avedissian

"We tore down the existing bungalow and created a far more spacious, new two-story detached home to live, work and to entertain in," explains Houry Avedissian, principal and founder of Ha² Architectural Design. "By locating the main living space on the second floor, we gave the client a fresh, new, uplifting living experience amidst the ever-changing foliage of the trees."

In addition to elevating the main living areas, the design creates a contemporary interplay between indoors and outdoors by way of scale, textures and rich colors. "These contrasting materials and volumes balance the natural and refined with the rough and exposed, as the harmonious, contemporary living space continues to thrive among the naturally evolving landscape," says award-winning designer.

At the core of Avedissian's elegant palette is nature's most versatile building material: Western Red Cedar. In fact, she used WRC four different ways throughout the house. The main cantilevered volume of the second floor is clad in clear vertical T&G, the Southwest elevation features vertical Select Knotty WRC lattices, the slats on the balcony's interior parameter are knotty horizontal WRC, and lastly, serving as the backdrop to the inner staircase wall is 1 x 6 T&G.

She juxtaposed all that natural warmth and beauty with grittier sophisticated materials, such as metallic-wrapped gray zinc, concrete and glass.

The result is a truly unique concept home where nature and urban architecture meet, or as Avedissian puts it: "A glorious retreat home right in the heart of the city." ◆

MATERIAL MIX

Using four different applications of cedar, the Treehouse blends inner and outer spaces, diverse yet complementary textures, angles and rich colors.

AND THE WINNER IS…

Treehouse earned top honors in the Real Cedar category at this year's Wood Design Awards.

A TREEHOUSE WAS THE INSPIRATION FOR THIS PROJECT; THEREFORE, THE MOST ELEGANT WOOD HAD TO BE PART OF THE CORE CONCEPT.

Houry Avedissian, ARCHITECTURAL DESIGNER

WOODED WONDER

By keeping the existing trees and using Western Red Cedar, nature and architecture inherently become one.

WESTERN RED CEDAR SPECIFICATIONS

GRADE
KD 'A' Clear & Select Knotty

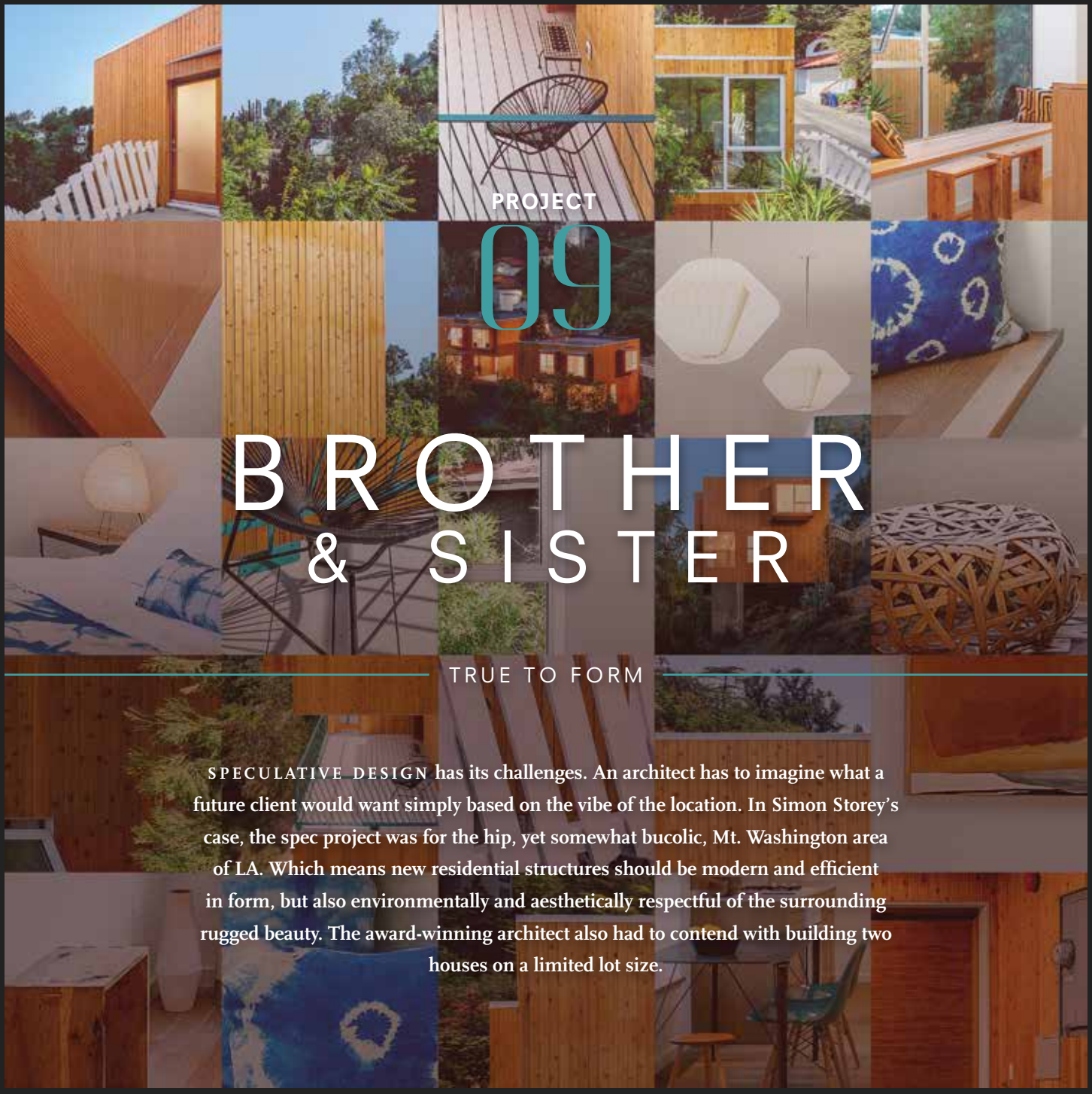
SIZE
1 x 6 T&G
2 x 2

FASTENING
blind nailing

APPLIED FINISH
Sikkens Cetol 1,
996 Natural Light

SECOND FLOOR

1. vestibule
2. master bedroom
3. kitchen
4. master bathroom
5. dining
6. living room
7. study
8. balcony



PROJECT

09

BROTHER & SISTER

TRUE TO FORM

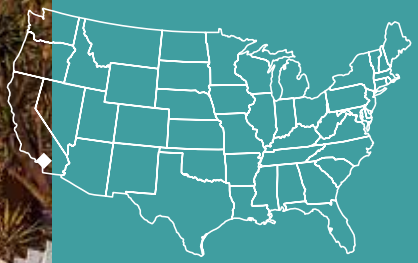
SPECULATIVE DESIGN has its challenges. An architect has to imagine what a future client would want simply based on the vibe of the location. In Simon Storey's case, the spec project was for the hip, yet somewhat bucolic, Mt. Washington area of LA. Which means new residential structures should be modern and efficient in form, but also environmentally and aesthetically respectful of the surrounding rugged beauty. The award-winning architect also had to contend with building two houses on a limited lot size.

But Storey managed to factor in all those design considerations… and then some. The result is Brother & Sister, a matching pair of beautiful cedar-clad cubes with large bay windows that provide expansive views of the San Gabriel mountain range. The homes are warm, contemporary and, true to form, energy efficient.

"I'm always interested in producing a house as efficiently as possible and also making that house efficient to live in for the future," explains Storey, principal at Anonymous Architects. "The selection of materials and the compact form all help achieve this. I also built the homes into the hillside, which will have a regulating effect on the interior air temperature and humidity."

For siding, he opted for a knotty grade of Western Red Cedar, as opposed to a pristine clear grade.

PROJECT DETAILS WESTERN RED CEDAR



LOCATION
Mt. Washington, Los Angeles, California

ARCHITECT
Simon Storey, Anonymous Architects

CLIENT
built on spec

STRUCTURAL ENGINEER
Ara Simonian, ATS Engineering, Glendale, California

GENERAL CONTRACTOR
Armex Construction

PROJECT TYPE
family home for two families

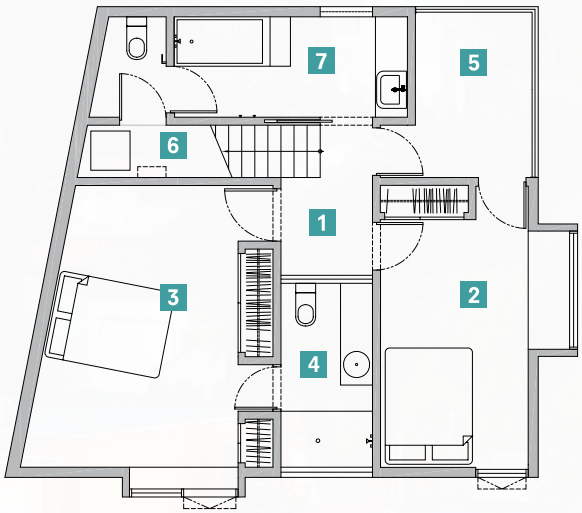
PHOTOGRAPHY
Steve King, Los Angeles

"I specified knotty wood because part of the reason we used wood in the first place was to integrate the houses into a natural and wild environment," he says. "The extra character that the knots provide helps to achieve this design goal. It looks exactly how I envisioned."

And if the exterior's not exactly how the future occupants envisioned, Storey's not worried. After all, nothing is set in stone with nature's most versatile building material.

I'VE ALWAYS LOVED THE AESTHETICS OF CEDAR & IN ADDITION TO THAT, IT IS TERMITE RESISTANT.

— Simon Storey, AIA



GROUND LEVEL

1. hall
2. bedroom
3. bedroom
4. bathroom
5. covered deck
6. mechanical
7. bathroom

"Western Red Cedar has a maintenance schedule that the owner can choose," explains Storey. "For example, the owner could maintain the finished facade, or just leave it to weather naturally to a beautiful silver patina. I like that there are options here—for both the future of how the buildings will age and also staining and aesthetic options when the wood is first installed." ◆

KEEPING IT REAL

The natural finish of the exterior WRC complements the rugged beauty of the Mt. Washington area.

WESTERN RED CEDAR SPECIFICATIONS

GRADE
KD Select Knotty

SIZE
1 x 4 v-joint

FASTENING
blind nailed

APPLIED FINISH
clear water based/hybrid oil

PROJECT

10

CHS FIELD

INTIMATELY NESTED WITHIN THE OLD

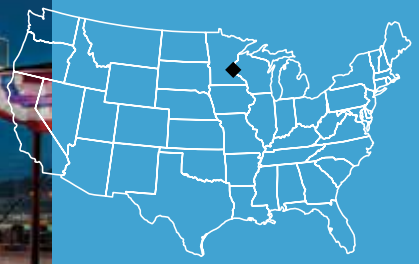
WHEN SNOW KREILICH ARCHITECTS AND RYAN A+E TEAMED UP to design the CHS Field, the goal was to create the greenest ballpark in America. Which they accomplished by incorporating an aggressive storm water management system, installing a record-sized solar array and building the new structure on crushed concrete made from the demolition of the existing building.

The awarding-winning design firms also put a lot of focus on respecting the historical designation of the area, providing spectators with additional views of the surrounding bluffs, and of course, setting the stage for the notoriously carnival-like atmosphere of St. Paul Saints games.

Once again, mission accomplished. Interestingly though, the greatest attention-grabbing feature of this design is not their ingenuity, but rather their choice in building material.

"By far and away, the Western Red Cedar ceilings at the ballpark are the most talked about aspect of the park," says Andrew Dull, lead designer of CHS Field. "Most ballparks have a utilitarian expression: exposed structural steel, metal decks or concrete is the typical experience. So using Western Red Cedar for the entire ceiling brings an intimacy and warmth that is unique to ballparks."

WESTERN RED CEDAR PROJECT DETAILS



LOCATION
Saint Paul, Minnesota

ARCHITECT
Ryan A+E, Inc.
Snow Kreilich Architects

SPORTS ARCHITECT
AECOM

CLIENT
City of Saint Paul
& The St. Paul Saints

STRUCTURAL ENGINEER
Ericksen Roed & Associates

DESIGN BUILDER
Ryan Companies US, Inc.

PROJECT TYPE
ballpark

PHOTOGRAPHY
Paul Crosby Architectural Photography & Christy Radecic Photography

In their search for a natural, sustainable, low-maintenance building material, they considered other woods. But none seemed to possess the deep richness of WRC's celebrated colors.

"We looked at Douglas Fir, but found the warmth of Western Red Cedar to be more appropriate than the yellow hues of Douglas Fir, and the client agreed," says Dull. "Also, although not forested in Minnesota, cedar is common to the area and has a local feel that the community can more easily relate to."

Furthermore, as Dull explains, the look and feel of WRC doesn't just suit the surrounding area, but the game itself.

"There is something about the Western Red Cedar that feels appropriate to baseball—the natural quality of it ties to the leather of the baseballs and gloves, the red picks up the red clay of the fields and, of course, the wood of the bats." ◆

WESTERN RED CEDAR SPECIFICATIONS

GRADE
KD Clear Heart VG

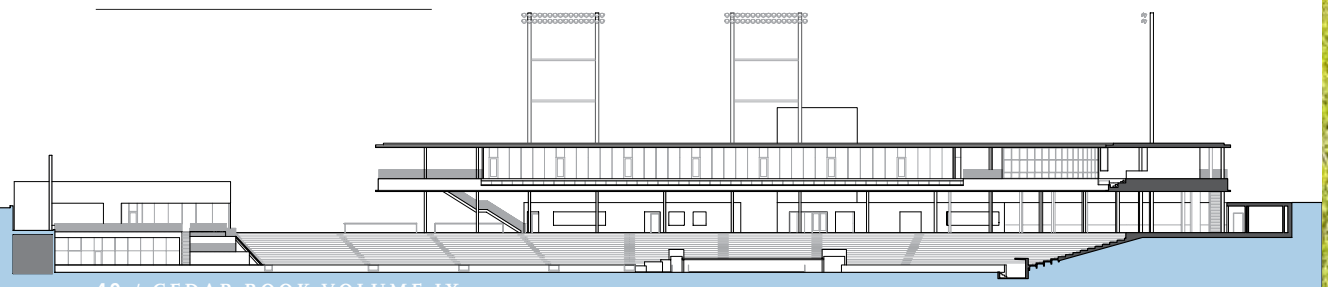
SIZE
1 x 6 T&G

FASTENING
blind nailed

APPLIED FINISH
clear

BALLPARK BEAUTY

Western Red Cedar helps set the stage for the theatrical vibe that Saints games are renowned for.

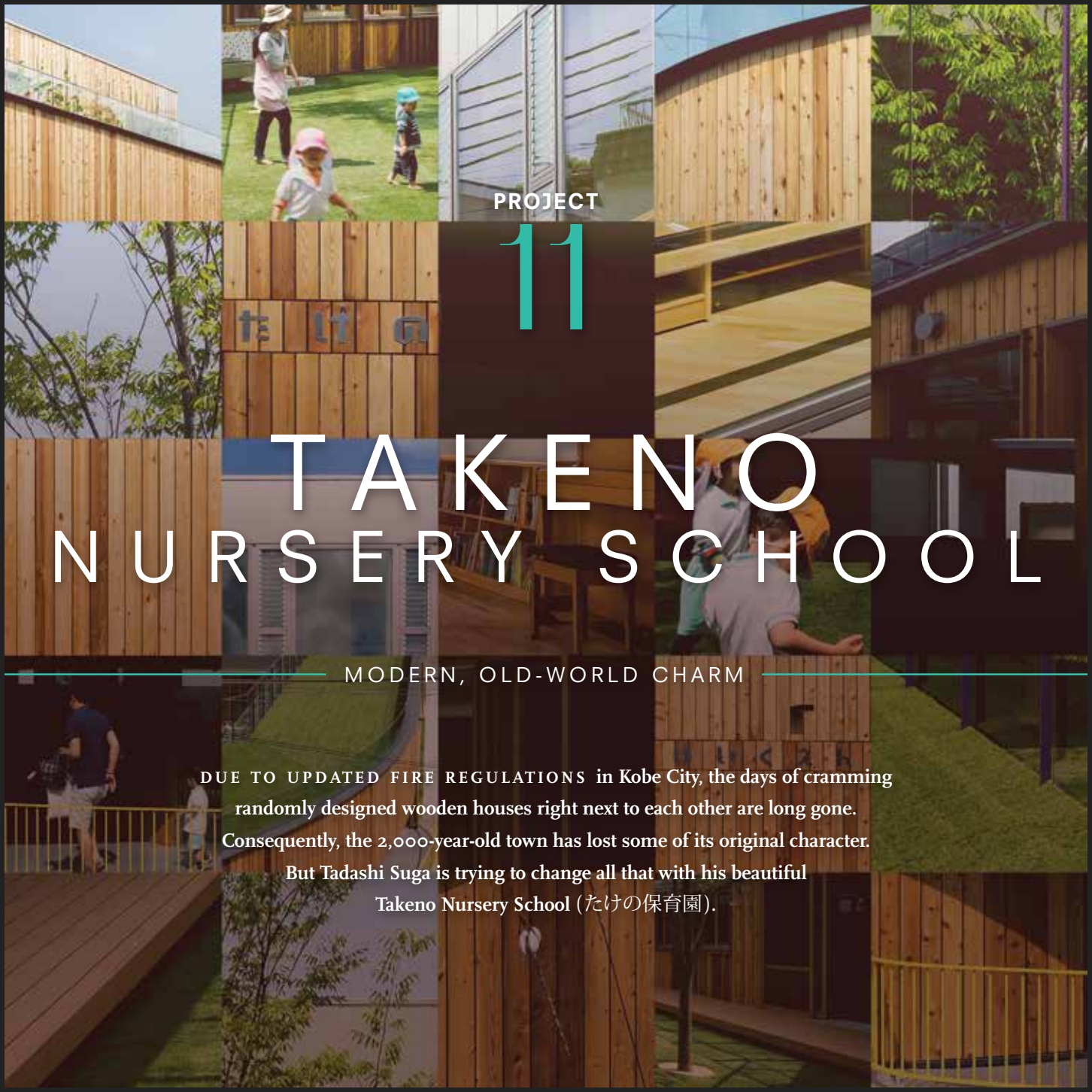


THE CHARACTER, CONTRAST, DYNAMISM & SCALE OF THE WESTERN RED CEDAR CEILING MAKES IT THE DEFINING & MOST MEMORABLE FEATURE OF THE BALLPARK.

Mike Ryan, AIA
LEED AP, PRESIDENT, RYAN A+E, INC.

SCIENCE OF SOUND

The T&G WRC on the exterior and interior is spaced to allow for acoustic control.



PROJECT

11

TAKENO NURSERY SCHOOL

MODERN, OLD-WORLD CHARM

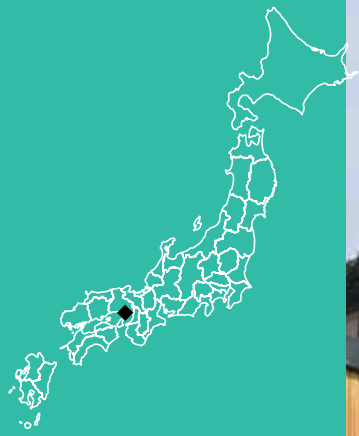
DUE TO UPDATED FIRE REGULATIONS in Kobe City, the days of cramming randomly designed wooden houses right next to each other are long gone. Consequently, the 2,000-year-old town has lost some of its original character. But Tadashi Suga is trying to change all that with his beautiful Takeno Nursery School (たけの保育園).

Though much more innovative and spacious than the architecture of yesteryear, his design does bring back a little of that old-world charm with the help of natural building materials.

"I'm hoping that this humble attempt of ours will help remind the people in this community of the beauty of wood and more will follow us," says Suga, an award-winning architect.

Of course, Suga couldn't apply just any old species of wood to this project. In order to keep his design up to code, he needed a top-performing wood with a low flame spread rating. And in order to keep his design aesthetically pleasing, he needed a versatile wood that could honor his desire to revive the area's historical vibe, as well as his client's desire to build an inspired modern space.

PROJECT DETAILS WESTERN RED CEDAR



LOCATION
Kobe City, Japan

ARCHITECT
Tadashi Suga

CLIENT
Kenichi Ohama

STRUCTURAL ENGINEER
Tadashi Suga

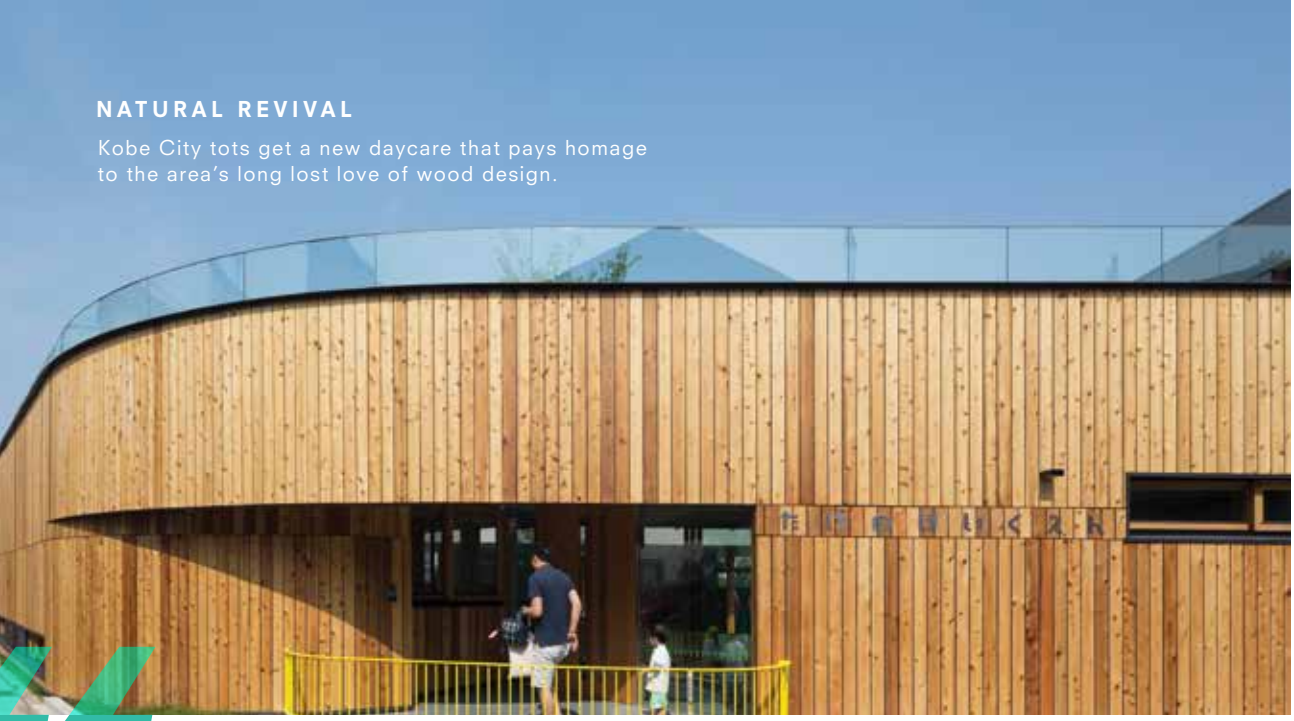
GENERAL CONTRACTOR
Yoshikawa-gumi

PROJECT TYPE
nursery school

PHOTOGRAPHY
Yoshiharu Matsumura

NATURAL REVIVAL

Kobe City tots get a new daycare that pays homage to the area's long lost love of wood design.

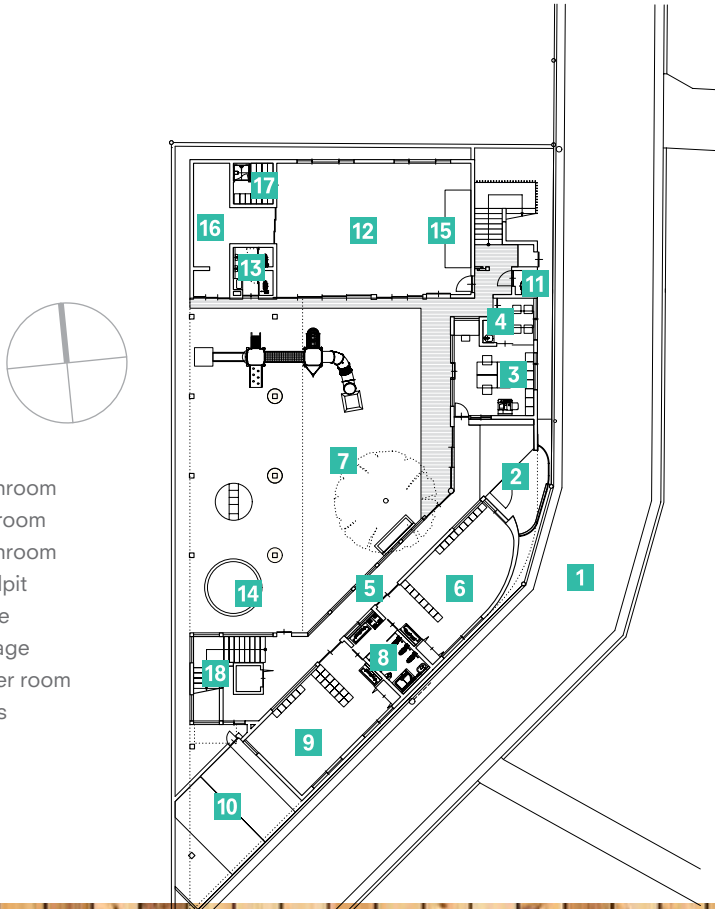


WESTERN RED CEDAR SYMBOLIZES EVERYTHING NATURAL & REFLECTS THE CLIENT'S COMMITMENT TO QUALITY SERVICE. — Tadashi Suga, ARCHITECT

Suga chose Western Red Cedar siding, and it wasn't a decision he took lightly. "I was very careful in selecting the material, as the external wall is an important part of the building that determines people's first impression," he explains. "It turned out that cedar's texture was ideal for the neighborhood landscape. The owner, as well as the neighbors, are happy with the outcome." ◆

CONTENT CLIENTS

The texture and beauty of Select Knotty cedar siding proved a hit with owner and neighbors.



WESTERN RED CEDAR SPECIFICATIONS

GRADE
KD Select Knotty

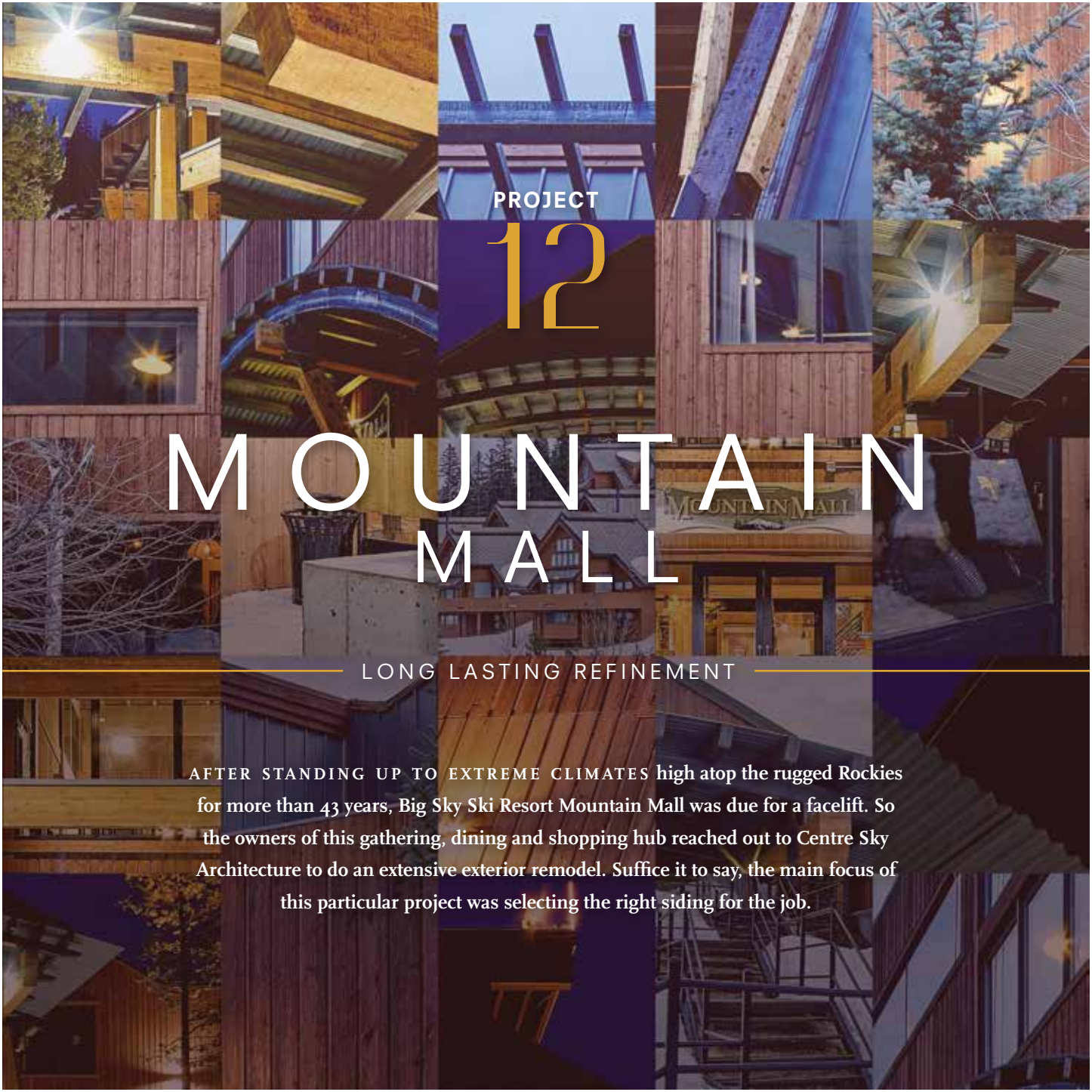
SIZE
18mm thick T&G

FASTENING
stainless steel fasteners

APPLIED FINISH
transparent stain

GROUND LEVEL

1. road
2. entrance
3. office
4. reception office
5. passage
6. room
7. garden
8. washroom
9. room
10. car park
11. washroom
12. playroom
13. washroom
14. sandpit
15. stage
16. storage
17. locker room
18. stairs



PROJECT

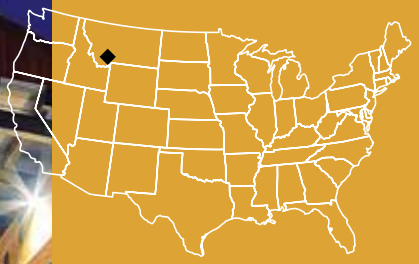
12

MOUNTAIN MALL

LONG LASTING REFINEMENT

AFTER STANDING UP TO EXTREME CLIMATES high atop the rugged Rockies for more than 43 years, Big Sky Ski Resort Mountain Mall was due for a facelift. So the owners of this gathering, dining and shopping hub reached out to Centre Sky Architecture to do an extensive exterior remodel. Suffice it to say, the main focus of this particular project was selecting the right siding for the job.

PROJECT DETAILS WESTERN RED CEDAR



LOCATION
Big Sky Ski & Summer Resort, Big Sky, Montana

ARCHITECT
Centre Sky Architecture, Ltd

CLIENT
Big Sky Resort

STRUCTURAL ENGINEER
Nishkian Monks

GENERAL CONTRACTOR
RMR Group

PROJECT TYPE
commercial / resort

PHOTOGRAPHY
Ryan Day Thompson

Considering the site's elevation, they needed a building material durable enough to bear the brunt of all types of weather. And since the structure itself is so expansive, they needed a beautiful material that could cover large areas without cupping or warping.

In the end, the environmentally conscious firm went with nature's most versatile building material: Western Red Cedar.

"By choosing cedar, we knew we were choosing a renewable resource that is long lasting compared to some of the other local wood options," explains Jamie Daugaard, principal at Centre Sky Architecture. "We also knew it would not be sourced from across the world."

To accent the cedar, Centre Sky Architecture used bonderized 26 gauge 16" ultra-batten vertical steel panels for bump-outs. The combo created an interesting partnership of texture, shadows and color. While the results speak for themselves, as Daugaard points out, exploring cedar's versatility like this is a more contemporary approach to siding than architects usually take in these parts.

"In our area of Montana, the use of wood is usually in a very rustic application," says Daugaard, adding, "but we decided to use wood in a 'Mountain Modern' application, giving the original old structure a new, refined look." ◆

RE-SKINNING RENOVATION

For this extensive exterior remodel, the right siding was everything.

WE DIDN'T NEED TO PAINT THE WOOD AS THE NATURAL APPEARANCE OF WESTERN RED CEDAR IS STUNNING AS IS.

Jamie Daugaard, AIA
NCARB, LEED AP

MOUNTAIN MODERN

Western Red Cedar siding combined with steel panels creates a contemporary interplay of texture, shadows and colors.

WESTERN RED CEDAR SPECIFICATIONS

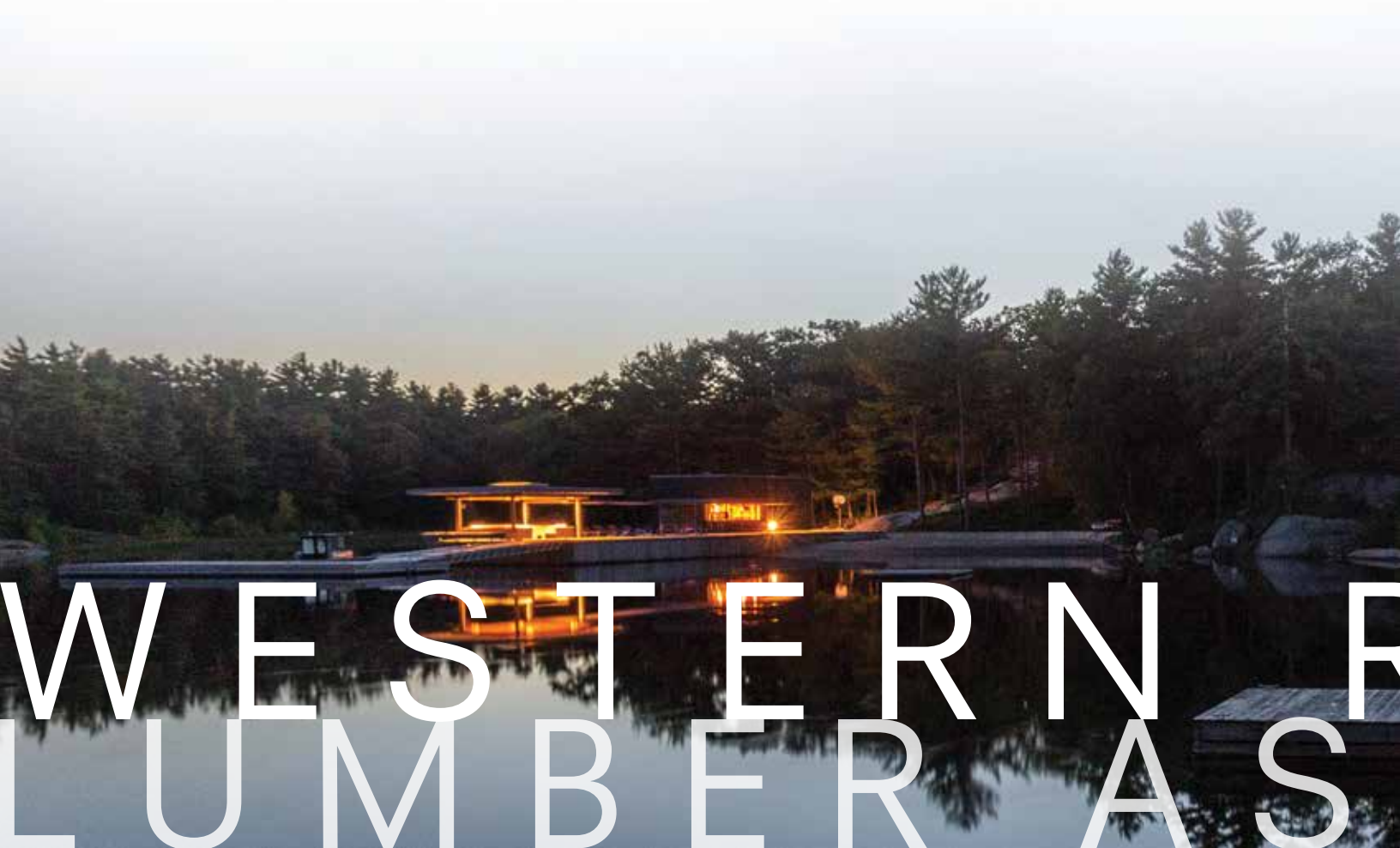
GRADE
KD Select Knotty

SIZE
1 x 8 channel siding,
1" random width S1S2E boards

FASTENING
stainless steel siding nails

APPLIED FINISH
semi-transparent stain

THE 9TH 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.



WESTERN R
LUMBER AS

Western Red Cedar's natural durability, characteristics and versatility made 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, Western Red Cedar Lumber Association producer members all have Environmental Product Declarations available for siding and decking 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:

WESTERN RED CEDAR LUMBER ASSOCIATION
REALCEDAR
WRCLA

Forestry Innovation Investment

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

Contact the Western Red Cedar Lumber Association via RealCedar.com and we will be glad to assist.
Or download the free Real Cedar app, available on the Apple App Store for iOS and at Google Play for Android.

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ANDROID APP ON Google play

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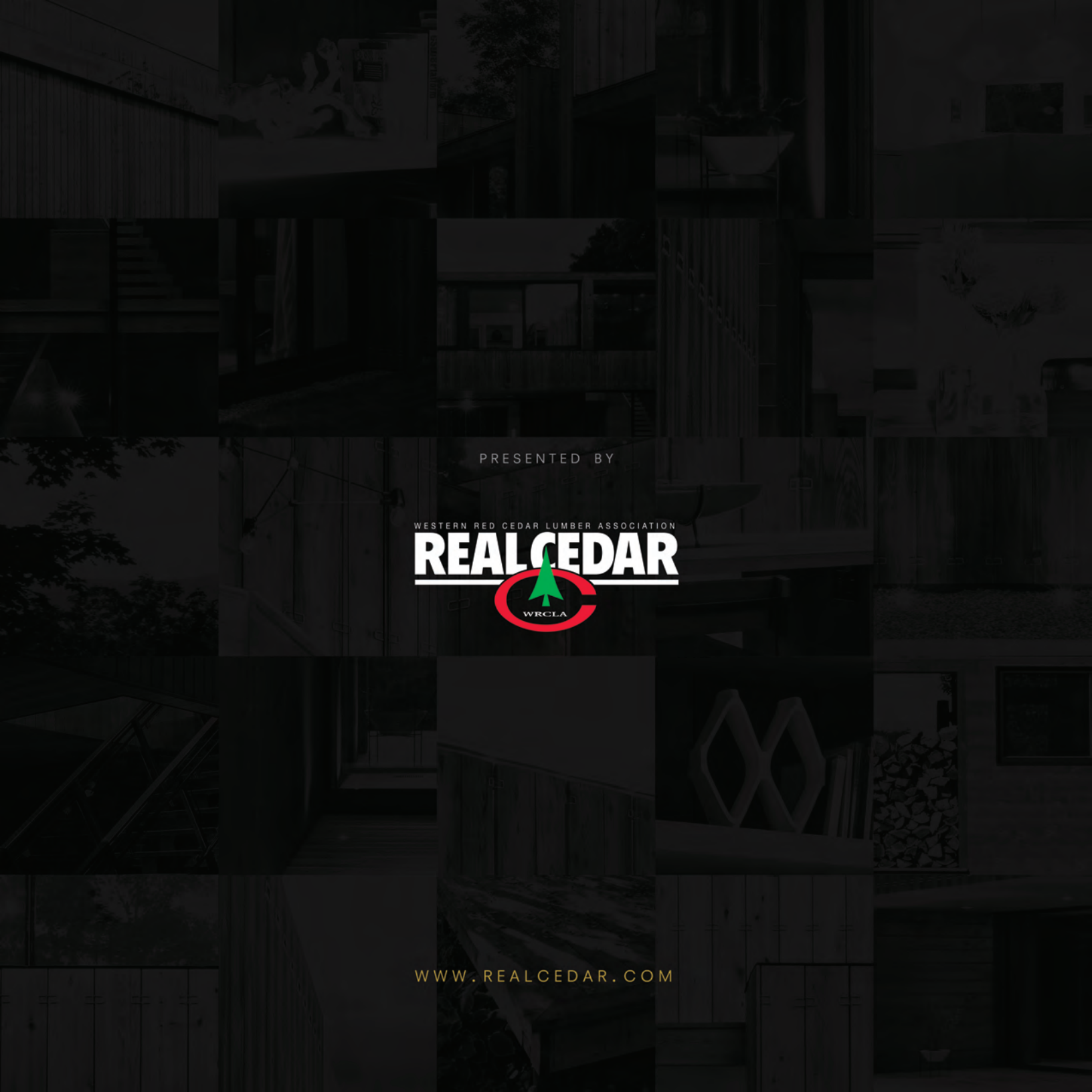
PHOTOGRAPHY

WESTERN RED CEDAR MODERN ARCHITECTURE SERIES

the CEDAR BOOK

IX



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