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20
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CALENDAR



"Their creative team and distinctive style leave room for the contributions of other team members, and their commitment to quality and craftsmanship extends not just to the materials they work with but also to the relationships they foster." —Duncan McElroy, Fire Tower Engineered Timber

January

2020

SUNDAY MONDAY TUESDAY WEDNESDAY THURSDAY FRIDAY SATURDAY

			1 New Year's Day	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20 Martin Luther King, Jr. Day	21	22	23	24	25
26	27	28	29	30	31	

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Yoga in Brookline

Brookline, Massachusetts

Designed as a dance and yoga studio, this barn-inspired timber frame provides an oasis of privacy and serenity in the otherwise bustling Boston region—a sanctuary for the homeowners and guests. Curved Douglas fir trusses span the main level, supporting the clerestory windows, lifting the interior height of the meditation and gathering space. The exterior walls open for natural air circulation and a Zen-like experience.

Architect: Landry Design Group
310.444.1404 | landrydesigngroup.com

Builder: JK Scanlan
781.380.1675 | jkscanlan.com

Engineer: ASAP Engineering
508.946.3561 | asapengineeringco.com

Engineer: Fire Tower Engineered Timber
401.654.4600 | ftet.com

See more of this project 
newenergyworks.com/yogainbrookline



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"...first time timber frame project and the team was great to work with. We worked together through the design phase and had a blast with them on-site erecting this beautiful family rec center. Looking forward to finding another client to do one again!" —Brad Luetje, Altounian Construction

February 2020

SUNDAY MONDAY TUESDAY WEDNESDAY THURSDAY FRIDAY SATURDAY

						1
2 Groundhog Day	3	4	5	6	7	8
9	10	11	12	13	14 Valentine's Day	15
16	17 Presidents Day	18	19	20	21	22
23	24	25	26 Ash Wednesday	27	28	29

Mod in the Badger State

Burlington, Wisconsin

For this Wisconsin family and many others, hockey is a way of life that bonds everyone together. This shared passion took physical form in a large outdoor rink that connects to their modern, barn-inspired timber frame home giving everyone the chance to enjoy exercise and friendly pick-up games. The interior follows a contemporary aesthetic with an open volume floorplan under the clean lined trusses. Each Douglas fir timber received a dark custom finish providing contrast.

Architect: Northworks Architects + Planners, LLC
312.440.9850 | nwks.com

Builder: Altounian Construction
847.234.8600 | altounianconstruction.com

Engineer: Fire Tower Engineered Timber
401.654.4600 | ftet.com

See more of this project 
newenergyworks.com/modinthebadgerstate

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© Woodruff/Brown Architectural Photography



"This company created a relationship with us. They are inspired, honest and professional. They understand that attention to what WE want in our house is of utmost importance, and share their knowledge and experience, providing creative ideas that we could explore." —Hank and Julie, Homeowners

March 2020

SUNDAY MONDAY TUESDAY WEDNESDAY THURSDAY FRIDAY SATURDAY

1	2	3	4	5	6	7
8 Daylight Saving Time Begins	9	10	11	12	13	14
15	16	17 St. Patrick's Day	18	19 First Day of Spring	20	21
22	23	24	25	26	27	28
29	30	31				

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Mountain Relaxed

Vermont

In our experience, homes are most successful when they adapt, age, and grow with their inhabitants. It's always pleasing when we can plan ahead for changes, such as transitioning a weekend vacation space to full-time home. Careful consideration was given to the traditional Vermont farmhouse vernacular and the sublime views. The timber frame itself captures the landscape and differentiates spaces—most prominently with two keyed beams flanking the dining room and kitchen.

Design & High Performance

Enclosure: New Energy Works

800.486.0661 | newenergyworks.com

Builder: Brothers Building Company

802.496.3916 | brothersbuilding.com

See more of this project 

newenergyworks.com/mountainrelaxed



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"The focus on installation and safety was impressive. Everyone on-site was skilled, professional, and right-on with timelines and execution." —Josh Simpson, Simpson Construction

April 2020

SUNDAY MONDAY TUESDAY WEDNESDAY THURSDAY FRIDAY SATURDAY

			1	2	3	4
5 Palm Sunday	6	7	8 Passover Begins	9	10 Good Friday	11
12 Easter	13 Easter Monday (Canada)	14	15	16 Passover Ends	17	18
19	20	21	22 Earth Day	23	24	25
26	27	28	29	30		

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Collector's Cache

Palmetto Bluff, South Carolina

This traditional barn design is a car enthusiast's dream. The "stalls", framed by timber posts, are occupied by a collection of classics. An open mechanic's shop space occupies the lower half, complete with car lift and garage door entrance. The frame has over 500 Douglas fir timbers with a custom deep-toned finish.

Architect: Rob Bramhall
978.749.3663 | robbramhallarchitects.com

Builder: Simpson Construction
843.247.2351 | simpson.construction

Engineer: Sellers Treybal
Structural Engineers
802.497.1174 | sts-engineers.com

See more of this project 
newenergyworks.com/collectorscache



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"This project is dear to my heart. Its long history starts with recovering huge timbers from a canal, re-sawing them for a restaurant on the north shore, and (when that was doomed by development and taken down piece by piece) re-envisioning them in a new spot, still overlooking the lake but as a gathering place to celebrate." —Jonathan Orpin, Founder, New Energy Works

May 2020

SUNDAY MONDAY TUESDAY WEDNESDAY THURSDAY FRIDAY SATURDAY

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					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
Mother's Day						Armed Forces Day
17	18	19	20	21	22	23
	Victoria Day (Canada)					
24	25	26	27	28	29	30
	Memorial Day					
31						

Point of the Bluff

Hammondsport, New York

These twice reclaimed 400 year old Douglas fir timbers (the first time from the Welland Canal, and the second time from a restaurant that was slated for demolition) have found new life once again as an event pavilion at Point of the Bluff Vineyards overlooking Keuka Lake in the Finger Lakes of New York. Music and dancing will fill the space sheltered by these old trees for years to come.

Architect: New Energy Works
800.486.0661 | newenergyworks.com

Engineer: Apex Engineering Services
406.541.2739 | apexengs.com

Reclaimed Wood: Pioneer Millworks
800.951.9663 | pioniermillworks.com

See more of this project 
newenergyworks.com/pointofthebluff



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"This cozy outdoor dining area is a prime example of a wonderful job done. The results allow this structure to feel like it has been "here" for hundreds of years with its rich character." —Andrew Smith, Winchester Construction

June 2020

SUNDAY MONDAY TUESDAY WEDNESDAY THURSDAY FRIDAY SATURDAY

	1	2	3	4	5	6
7	8	9	10	11	12	13
14 Flag Day	15	16	17	18	19	20 First Day of Summer
21 Father's Day	22	23	24 St. John Baptiste Day (Canada)	25	26	27
28	29	30				



An Evening Out

Cockeysville, Maryland

As-found and hewn oak timbers were selected to create a pergola structure that would feel as if it had existed for a hundred years on a large estate. The pergola offers an away space on the property for intimate gatherings and quiet conversation. Its construction and materials take inspiration from adjacent buildings on the site. Stout braces join with heavy timbers and beams in a traditional timber framing style.

Architect: McAlpine Tankersley Architecture
844.624.6633 | mc Alpinehouse.com

Builder: Winchester Construction Co.
410.987.5905 | winchesterinc.com

See more of this project 
newenergyworks.com/aneveningout

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"... a phenomenal job for our family from the design concept to the finished lake house. They constantly made sure what was important to us was their focus." —Jim & Tina, Homeowners

July 2020

SUNDAY MONDAY TUESDAY WEDNESDAY THURSDAY FRIDAY SATURDAY

			1 Canada Day (Canada)	2	3 Independence Day (observed)	4 Independence Day
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

On Point

Union Springs, New York

This home's layout is intended to make the most of the nearly 180-degree expanse of sweeping lake views. A modified "L" shape design positions the home to collect those views as well as links together the beach to the north with the boat dock to the south of the property. The home is planned around multi-generational use. It includes bunk rooms over the garage, two guest rooms, a master suite, and a guest suite all intended to comfortably accommodate many for long weekends at the lake.

Design, Build, & High Performance

Enclosure: New Energy Works

800.486.0661 | newenergyworks.com

Reclaimed Wood: Pioneer Millworks

800.951.9663 | pioneermillworks.com

Fine Woodworking: NEWwoodworks

585.924.3860 | newwoodworks.com

See more of this project 

newenergyworks.com/onpoint

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Photos by Joshua McHugh, Courtesy of Marcus Gleysteen Architects



"Complex trusses, clerestory windows, light from above. Modern timber framing in the hands of an inspired architect." —Eric Fraser, GM, Timber Framing, New Energy Works

August 2020

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

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Lakeside Boathouse

Lake Sunapee, New Hampshire

Getting out on the water is easy via this timber boathouse which houses the family's watercraft—from power boats to kayaks to paddle boards. The floor of the building sinks into—and rises out of—the lake, moving up or down with the changing water. Cool engineering connections integrating wood and steel join the floor with the timber frame.

Architect: Marcus Gleysteen Architects
617.542.6060 | mgaarchitects.com

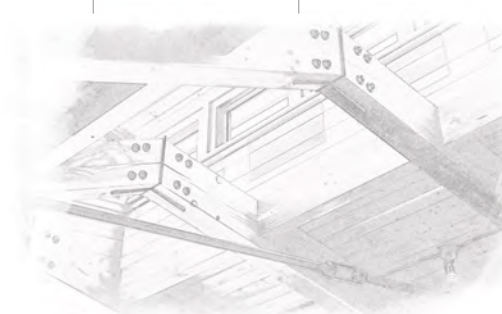
Builder: C.W. Ostrom Builders
603.763.2202

Engineer: Sellers Treybal
Structural Engineers
802.497.1174 | sts-engineers.com

See more of this project 
newenergyworks.com/lakesideboathouse



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"The timber frame they crafted creates the warmth, strength, and stability that were key for the harsh environment and high elevation. On site construction was quick and efficient, yielded minimal waste, and offered advanced design for extreme energy measures and durability." —Dan Hill, Arbor South Architecture & Construction

September 2020

SUNDAY MONDAY TUESDAY WEDNESDAY THURSDAY FRIDAY SATURDAY

		1	2	3	4	5
6	7 Labor Day	8	9	10	11	12
13 Grandparents Day	14	15	16	17	18	19 Rosh Hashana Begins
20 Rosh Hashana Ends	21	22 First Day of Autumn	23	24	25	26
27 Yom Kippur Begins	28 Yom Kippur Ends	29	30			

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Forest Service Rebuild

Odell Lake, Oregon

5,000 feet of elevation, 5-month build window, forest service rules controlling everything from color to shape to size to the anthropology of the site. This project required extraordinary planning, pre-fabrication, and architect/builder/client coordination. Odell Lake sits atop the Cascade Mountains of South-Central Oregon. God's country by all of our definitions.

Architect & Builder: Arbor South Architecture & Construction
541.344.3332 | arborsouth.com

Timber Frame & High Performance Enclosure: New Energy Works
800.486.0661 | newenergyworks.com

Engineer: Tamarack Grove Engineering
208.345.8941 | tamarackgrove.com

See more of this project 
newenergyworks.com/forestservicerebuild



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"It's a very unique structure, with amazing views. The team took a complex project and made it look easy. The clients love it! They enjoy the sense of place and the level of craftsmanship in their new porch." —John Steel, Steel Construction

October 2020

SUNDAY MONDAY TUESDAY WEDNESDAY THURSDAY FRIDAY SATURDAY

				1	2	3
4	5	6	7	8	9	10
11	12 Indigenous Peoples Day Thanksgiving Day (Canada)	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31 Halloween

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High on the Hilltop

Waterbury, Vermont

Overlooking treetops and the surrounding Green Mountains, this outdoor living space draws folks out from inside the home via a screened timber frame “bridge” to a large gathering area. The structure follows the natural topography and exposed bedrock of the landscape with intersecting angles and organic flow. Douglas fir posts top steel bases anchored to the craggy bedrock below, while custom screens and weather resistant flooring combine with timbers above to form a comfortable space tough enough to endure the elements.

Architect: Cushman Design Group
802.253.2169 | cushmandesign.com

Builder: Steel Construction
802.253.4572 | steelconstructionvt.com

Engineer: Sellers Treybal
Structural Engineers
802.497.1174 | sts-engineers.com

See more of this project 
newenergyworks.com/highonthehilltop



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"We were blown away by the engineering and consulting experience. The onsite team of craftsmen was world-class. These are good people." —Michael, Homeowner

November 2020

SUNDAY MONDAY TUESDAY WEDNESDAY THURSDAY FRIDAY SATURDAY

1	2	3	4	5	6	7
Daylight Saving Time Ends		Election Day				
8	9	10	11	12	13	14
			Veterans Day/ Remembrance Day (Canada)			
15	16	17	18	19	20	21
22	23	24	25	26	27	28
				Thanksgiving		
29	30					

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Down Court

Stowe, Vermont

Part basketball court, recreation space, woodshop, guest suite, yoga room, and storage space, this large barn does it all. The mountainous site includes a renovated farmhouse as well as the barn, which together form the family's retreat. In addition to the half-court, the barn's lower space accommodates mountain bikes and outdoor gear. 34' trusses span the court and support a suspended catwalk with ladder and viewing cupola down the length of the barn. The yoga room is situated high in the silo drinking in panoramic views.

Architect: Cushman Design Group
802.253.2169 | cushmandesign.com

Builder: Homeowner

Engineer: Sellers Treybal
Structural Engineers
802.497.1174 | sts-engineers.com

See more of this project 
newenergyworks.com/downcourt



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Celebrated and engraved on this frame: "Family ties are precious threads, No matter where we roam, They draw us close to those we love, And pull our hearts toward home."

December 2020

SUNDAY MONDAY TUESDAY WEDNESDAY THURSDAY FRIDAY SATURDAY

		1	2	3	4	5
6	7 Pearl Harbor Remembrance Day	8	9	10 Hanukkah Begins	11	12
13	14	15	16	17	18 Hanukkah Ends	19
20	21 First Day of Winter	22	23	24 Christmas Eve	25 Christmas Day	26 Boxing Day (Canada)
27	28	29	30	31 New Year's Eve		

Warmth of Wood

Newton, Connecticut

A warm fire and a cozy bedroom all under a Douglas fir timber frame—a good place to tuck in on cold winter nights. Bumped out as a gable end from the upper roof, the timber frame includes two valley intersections with trusses against the ceiling on one side and in open space on the other. Each truss features a double sawn curved bottom chord softening the lines and height of the bedroom. The additional space to each side of the fireplace provides another opportunity to rest and relax.

Architect & Builder: PH Architects
203.426.6500 | ph-archs.com

Engineer: Fire Tower Engineered Timber
401.654.4600 | ftet.com

See more of this project 
newenergyworks.com/warmthofwood

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"We feel lucky to live in our house. We intend to keep doing so until our kids force us to move into an old age home!" —Jim & Cheryl, Homeowners

January 2021

SUNDAY MONDAY TUESDAY WEDNESDAY THURSDAY FRIDAY SATURDAY

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New Year's Day

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Martin Luther
King, Jr. Day

Inauguration Day

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See the exterior of this home
on the front cover.



Gathering Lodge

State College, Pennsylvania

The simple cruciform plan for this hybrid timber frame home comfortably fits the homeowners and larger gatherings with family and friends. Football season brings weekends of intense pre-tailgate time with the home serving as big game headquarters. A parallel chord truss with steel struts spans two gables over the main living area.

Design & High Performance

Enclosure: New Energy Works
800.486.0661 | newenergyworks.com

Builder: Bosak Construction
814.237.4292 | bosakhome.com

Reclaimed Wood: Pioneer Millworks
800.951.9663 | pionermillworks.com

See more of this project 
newenergyworks.com/gatheringlodge



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CHOOSING A PARTNER

Drawing from our long history, and the experiences our clients and professional partners have shared, we'd like to offer a few suggestions on how to find the right timber frame partner for your project.

The Guild

Consider a timber framer who is involved with the Timber Framers Guild. At the Guild conferences, meet-ups, committee meetings, and through their publications, two important things occur: we learn and we share. This makes us better professionals and hones our craft. In both cases our clients win. And when you do consider a Timber Framers Guild Company, don't hesitate to ask if they attend the conferences. Do they send their craftsmen and their designers? Do they give, as well as receive?

Visit www.tfguild.org/find-a-tfg-company to learn more about our industry organization.

Design

Hire an architect! Many of the projects in this very calendar were designed by independent architects and the balance are by our own architectural team. Read the design contract carefully. Architecture is a sacred thing, given not only how much money you'll spend, but how long your house will "live" on its site and how long you will live in it—wow, that's a great deal of responsibility. If the design fee seems like a hell of a deal, too good to be true, it likely is. Design should be by architects. It should be custom to you, your needs, and your site.

For many people who want a timber frame, hiring a timber frame company with in-house design capacity may be valid. This is where you need to dig in to the timber framers on your short list for the details: What makes the in-house architect or designer qualified? What exactly is included in your design proposal—and what is not? Is a site visit included? Can you see an example of work at each level: schematic, design development, and construction documentation? Is checking with the local building code official included? Is engineering included, and if not, how will that be handled?

Perhaps most important of all: do you have the rights to the plans if you decide to not use that particular timber framer? Our own design teams on both coasts represent a vital and thrilling part of our business and we like to say that our job is "to bring the house inside of you—out," so you can see what it looks like before you build. But no matter who helps you design your house, you should be able to use the drawings that you've paid for, even if you don't choose us to craft it.

Fabrication

It doesn't really matter whether you choose a shop with a complex CNC machine or one that uses only hand tools; both can perform well. The keys are the design aesthetic, the structural details, the quality and timber options, and the raising itself. Find a partner who can handle the complexities—one who can integrate and execute the critical details of your design.



Photo courtesy of Daniel Girard, Timber Framers Guild





Engineering also comes into play here. Both legally and ethically, timber frames should adhere to a set of carefully worked out and nationally accepted standards. We are legally required to give you timbers that meet 3rd-party grading rules, and the joinery should withstand scrutiny by a qualified professional engineer. These guidelines vary tremendously based on what seismic zone you are in, what your snow and wind loads are, and the particular span and details of the timber frame itself.

Discuss timber species, grades, and dryness. You should ask questions about all of these, and not settle for what seems like a glossing over or a pat answer. Species are plentiful and grade is about structure and looks. Both are to some extent design decisions. Dryness, though, is simply financial and you should be fully aware of the trade-offs between green timber that will shrink/check the most, and other options that will be more predictable. Kiln dried or salvaged/resawn timbers are available, don't cost much more than green, and are better. Any good woodworker knows this.

Raising

This is another area where there are a wide range of choices. For 30+ years, we've raised our own frames. Generally, a builder-dealer or a rough carpentry crew does not have the same efficiency, precision, quality control, or safety as a well-trained crew of timber framers who work together as a team every day. For us, it is truly the raising, done by those who have worked hard to design, engineer, and cut the frame, that makes this the best construction job in the world.

High Performance Enclosure

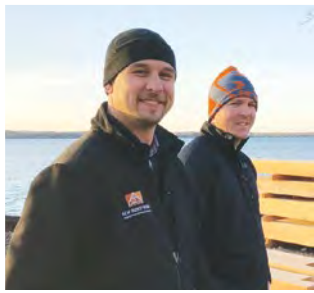
We're big believers in the longevity and performance of the shell around your timber frame. And now that so many of our projects are hybrid, it is more important than ever to understand the options for wall and roof construction to increase comfort, lower bills, and place less stress on our planet's resources. Be sure to ask what enclosure options are available.

Company Culture

Look at the company culture, organization, and health. Look for a company that is robust enough to overcome the many obstacles life and business throw up, but accessible enough to speak to the owner or group leader on a regular basis.

It's true, these tips turn out to be self-serving. We like our company's attributes: 30+ years in the industry, board-level involvement in the Guild, facilities on both coasts, long time coworkers who rank as the best in the industry, 80% of our work coming from repeat or referral. More than that, we appreciate who we are: an employee-owned company whose decision-making is based on the Triple Bottom Line of People, Planet, and Profit, understanding that it takes an eye on all three to fulfill our responsibilities to you, to our coworkers, and to the future.

Ask us anything. **We'd appreciate it.**



WE BELIEVE THAT WE DO WELL WHEN WE DO GOOD.

New Energy Works operates on the triple bottom line—a simple belief that people, planet, and profit work together to ensure a better future. We give to our local and global communities. Our coworkers are more than just employees, they're part of what makes our company successful. We are an employee-owned company. We truly care about our craftsmen, and they truly care about your project.

When you work with us, you are purchasing products made in a shop that runs on solar power and is heated from our own timber scrap. Our efforts at reclaiming wood have processed over 1 million board feet a year for the past 30 years, saving this wood from landfills, incineration, and rot. Our Earth is a place we want to leave well for the next generation through buildings that are energy-efficient and enduring.

When we take care of our people and our planet, we are more profitable. This enables us to invest in efforts that make a difference to our workers' families and our local and global communities, creates a healthier planet, and most importantly builds a thoughtful company that thrives on quality partnerships.



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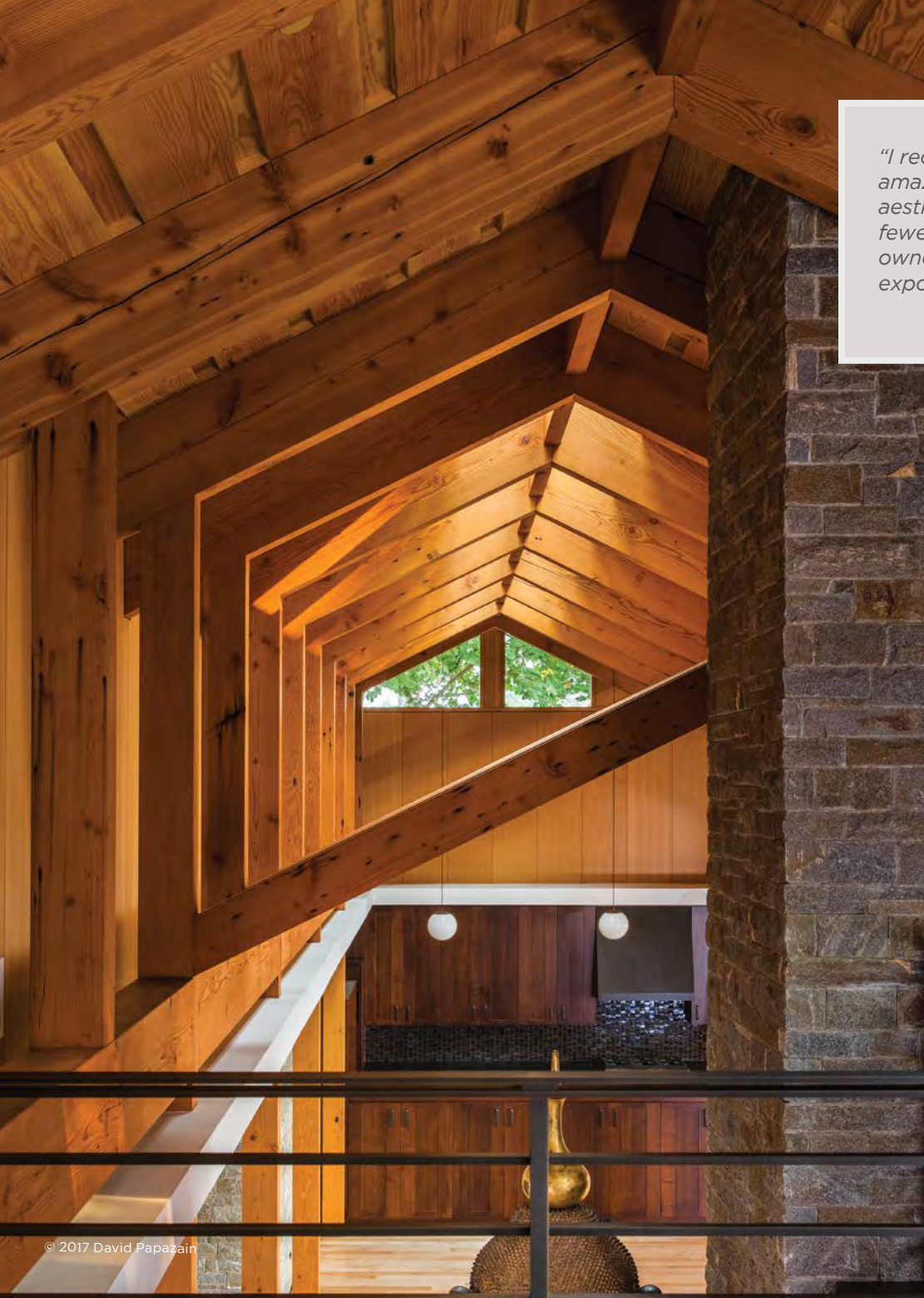
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For dates and locations to
The Log & Timber Home Show and University
visit TimberHomeLiving.com/shows





"I recall the timber frame raising...one day to put the whole thing up! It was amazing, quite the ballet. I think timber framing marries well with modern aesthetics. In this case it hinged on detailing, with clean hidden connections, fewer timber braces, and open volumes. It was important to us, and the owners, to express the structure of the house, to leave that structure exposed, to allow it to be revealed. The timber frame does all of this."

—Richard Brown, AIA, Portland, OR

"Community—whether our local, industry, or global communities—is a driver for what we do. None of us can go it alone. Perhaps that's why we love timber framing so much. The choreography of many craftsmen, visionaries, engineers, and stakeholders working together."

—Jonathan Orpin, Founder, New Energy Works

See more of this project: newenergyworks.com/moderninportland



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