



SCANTLINGS

Magazine of the Timber Framers Guild
Number 229 January 2022



TIMBER FRAMERS GUILD,
TOWN OF INDEPENDENCE, VOLUNTEERS

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Christian Gudmand, Chris Koehn, Brad Morse, Bill Sturm,
directors at-large

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Scantlings, the member magazine of the
Timber Framers Guild, is typically published
in January/February, April,
May, July/August, October, and November.
Content deadline for the April issue: March 15.



On the cover

Independence Community Build volunteers celebrate a job well done. Photo by Eric Morley.

Back cover

Heartwood 2021.
Photo by Daniel Girard.

PRESIDENT'S MESSAGE

Opening a new door

BO FOARD

As we open a new year, we also open a new door at the Guild—or, perhaps, we are opening a door to the past that also shows us the way forward.

In 2022, we reconnect with our roots in a permanent home at the old Benson Woodworking shop on Pratt Road in Alstead, New Hampshire. This homecoming, to the place where it all began, will give the entire timber framing community a place to call home: a place to gather, a place to research, a place to learn. The Heartwood School will have ample teaching space, we can establish a physical library of timber framing resources, and welcome visitors.

All of this is made possible by founding members of the Guild, Tedd and Christine Benson. Christine is on the board for the Heartwood School, and when the Guild board began discussions about fundraising to build a home for the Guild, she thought of the Benson Woodworking shop, outgrown by Bensonwood some 20 years ago and more recently outgrown by their woodworking division.



As I reflect on the last two years, and the years to come, it seems fitting that we step into a new year with a rejuvenated sense of purpose and a clear path for bringing together the Guild's many educational efforts—from Heartwood to community building projects to conferences to the Apprenticeship Training Program—together as an interconnected endeavor that grows our community. When we go to Pratt Road, to the woodworking shop, we are walking on the hallowed grounds of timber framing in North America, where so many luminaries in our industry spent time and the spark of the Guild caught and grew—and where we can build our future.

New Home

Read about the new home of the Guild and Heartwood in *The Keene Sentinel*, "New life set to come to historic Alstead timber-framing workshop," <https://bit.ly/TFGAlstead>

We've done so much and come so far together

BRENDA BAKER

I recently watched a program about an organization called MASS Design—short for Model of Architecture Serving Society—and an interview with Michael Murphy, its executive director. During his first year of architecture school, wanting to find out more about how architecture could help people and communities, Michael visited with Dr. Paul Farmer, founder of Partners in Health, a nonprofit providing medical care for needy populations around the world. He volunteered to work with them, and his first task was to design a laundry building for a hospital in Rwanda. Read more about Mass Design here, <https://currystonefoundation.org/practice/mass-design-group>.

A lot has happened between that first project and today, but Michael went back to his hometown of Poughkeepsie, New York, where he opened an office and began working to convert abandoned spaces into healthy, inviting places for businesses and housing. You can visit <https://www.cbsnews.com/news/model-architecture-serving-society-60-minutes-2021-10-31> to watch the program.

You're probably wondering why I'm mentioning this in the Guild member magazine. It was just so inspiring to see what can be done when individuals come together for a common purpose. I saw that spirit in Independence, Virginia, at the recent Guild Community Building Project. For ten days, eleven instructors and sixty-five volunteers from near and far worked together in the southern Virginia hill town to build an incredible farmers market pavilion and stage. What that structure will bring to the community now and into the future is invaluable.

Guild members were there in part because they love timber framing and wanted to have an opportunity to expand their knowledge and skills. But they were also there in this rural community for something special, providing an extraordinary space for the burgeoning farmers market as well as community events—truly, this farmers market will be the hub of this town and region, raising spirits and economic prosperity. This pavilion exemplifies how the Guild and the wonderful people who are part of it give back and how the timber frame structures built with our hands serve to build communities.

Thank you all for the continued support and encouragement during the current administrative transition. The Guild has been around for over 35 years and the member commitment and dedication is what gives it that 'magic' and what makes it strong. I was reminded of just how special the Guild is and why during our recent SepTImberFest event in Brattleboro, Vermont: it's the people!

The next Guild conference is scheduled for October 13–16, 2022, in Burlington, Vermont. It will be the celebration of the 37th anniversary of the Guild, since the 35th was postponed. We hope you all can make it. We'll be sharing more details and the program in the coming weeks. If you would like to be a part of the planning, let me know—the conference committee will begin meeting soon.

I look forward to hearing from you. Please let me know if you have any suggestions, ideas, or concerns. Thank you again for making the Guild such a phenomenal organization!

BOARD TRANSITIONS

Welcome new and returning board members

Timber Framers Guild welcomes to the 2022 Board of Directors Rene Allen, Jim DeSantis, and Jackson DuBois, and returning member Sandy Bennett.

On behalf of the Guild, we would like to thank candidates Al Wallace and Sal Wilson for running in 2021. The candidates were all outstanding, committed Guild members who are engaged across the organization in a variety of efforts.

Rene Allen

Rene has been in construction for over two decades, working with her family business in Colorado and Oregon. While she started out doing commercial stick framing, when the business transitioned to timber framing in 2001, she jumped at the chance to learn a new and fascinating craft. As a life-long



artist and builder, this seemed like a perfect blend of skill, creativity, and timeless beauty.

She spent several years working in the shop at Swiftsure Timberworks, developing her skills, eventually becoming the Shop Manager and Installation Lead. In 2005, she got her introduction to the Guild at the Salem Centennial Rotary Pavilion Community Building Project. The event was unlike anything she had ever experienced and included a crash course in safety and best practices, now fundamental elements of her teaching.

Since that project in 2005, Rene has been an active member of the Guild, attending as many events as possible. She first taught timber framing at the 2007 Guild Conference (Asilomar), when she stumbled upon the Children's Discovery Workshop and helped out for a few days. This led to instructing at the next two kids' builds and then later at a Girls Build/TFG crossover event at Mount Hood in 2018. Throughout the years, Rene has

continued to teach and to prioritize a safe and welcoming learning environment that fosters education and community. If you have been to a Community Building Project in recent years you likely saw her carving away on a timber or giving safety talks.

Rene brings to the Board a commitment to education and community. She continues to work with and volunteer for GirlsBuild, a non-profit dedicated to teaching girls trade-related skills at a young age. As someone who's benefited Rene is looking forward to focusing on Community Building Projects, developing comprehensive safety protocols that encapsulate and teach best practices in the industry, and continuing to foster a new generation of timber framers.

Contact Rene: renedallen@gmail.com

Jackson DuBois

Jackson builds and designs custom timber frames and works on old houses in Central New York, where he and his wife live in a 200-year-old timber framed home. He also serves as the zoning officer for the Historic Village of Cooperstown (New York) and as a member of the Village of Westford zoning board of appeal.

He began his timber framing journey on a handshake, in the driveway of a project that was wrapping up in Bellingham, Washington. When Jackson told the project leader he would sweep floors for the opportunity to learn the trade, he had his introduction to the spirit of this community: "Oh no, we'll put a saw in your hand, and we all sweep the floors." For the next ten years, he worked with that crew on amazing projects and became a journeyworker through the Guild's Apprenticeship Training Program.

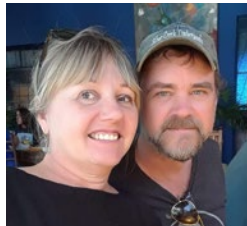
As a lifetime member of the Guild and graduate of the ATP, Jackson values the teaching and learning opportunities offered by timber framing, and the acquisition of the Heartwood School will expand that capacity to educate and inspire. He looks forward to developing and promoting connections with individuals, organizations, and communities to highlight the Guild's work and bring new recruits to the craft. Contact Jackson: jbdubois@gmail.com



Jim DeSantis

Jim joined the Guild in 1997, and the organization has been central to his life since then, a source of inspiration, camaraderie, and education. From volunteering on Guild projects to attending every Western (and one Eastern) conference since '97, Jim has been immersed in Guild culture, which he describes as unique: "a spirit of cooperation rather than competition defines us."

He discovered timber framing at the local bookstore while attending the University of Oregon and went on to get his first timber framing job in 1990. Unfortunately, the company didn't last and Jim went back to working at the family landscape company, and getting to build a few timber frames here and there, but his heart was really in timber framing.



Jim went to his first Guild conference in 1997 hoping to find meaningful work and connected with Lon Tyler. During his apprentice years working for Lon, he attended at least one project every year from 1998 through 2005. These projects proved invaluable in both their educational component and the connections made.

Jim launched his one-man show, Silver Creek Timberworks, in 2006. While working as the designer, salesperson, shop manager, bookkeeper, joiner, and site manager limits the size and number of projects he can take on, it has given him a deep understanding of all facets of contracting.

Jim brings to the board a passion for the craft, a drive to increase the magic of community building projects, and support for the ongoing work of increasing membership and improving the Guild's financial health.

Contact Jim: jim@silvercreektimberworks.com

Sandy Bennett

For well over 40 years the Guild has been a major part of Sandy's life, influencing his life's path, and he sees serving on the board as a meaningful way to give back to this community. Some might

point out the Guild hasn't been around for that long, but Sandy argues the Guild values and spirit have been around far longer than its formalization in 1985.

He says, "When we decided to try to bring timber framing to the Midwest in the form of Riverbend, about the only thing we knew was what we didn't know. But we did know there were people in the East who were working to resurrect this mostly dormant craft and after reaching out to folks like Stewart Elliott and the late great Ed Levin and many others, who were more than willing to take a phone call to guide and to help, we could feel the Guild spirit. This led to meeting the wonderful folks at Benson Woodworking and so many more, all of whom have become lifetime friends. . . . No, the Guild has been around much longer than most think."

Sandy's commitment as a returning board member remains the same: to have an opinion, a voice with which to share that opinion, and an open mind to consider the opinions of others to reach a consensus to do what's best for the Guild. He notes that there is much to do, and many opportunities for the Guild to thrive. One of Sandy's personal goals is to get more "young blood" involved with the committees, projects, conferences, and more as a means of prepping folks to move to the board.

If there's anything you would like to know or discuss more in depth or something you would just like to chat about, Sandy encourages you to give him a call.

Contact Sandy: 540-357-1574 (cell)



BOARD TRANSITIONS

Thank you, outgoing board members

As we welcome new members to the board, we must sadly say farewell to two dedicated board members who have shared their wisdom, energy, and time with generosity and good humor.

Janet Kane

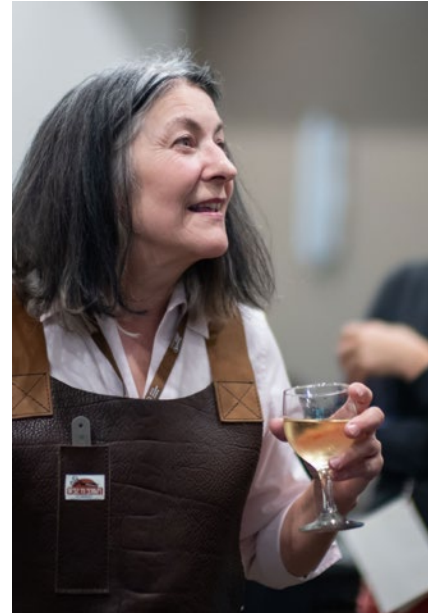
Janet has brought an insightfulness to her board and committee work that's born of varied interests and experiences. She's been a member of the Guild for more than two decades, "honing her interest in big sticks" as a professional engineer, but prior to that she was a teacher and academician. Janet brings unique perspective to the Education Committee and will continue her work there to develop and integrate curriculum across the Apprenticeship Training Program (ATP), Heartwood School, and the Guild. She is leading the "reboot" of the ATP with board member Will Denton, and her experience in academia is invaluable as the committee updates the materials and seeks to strengthen the program.

Janet's clarity of thought, articulate observations, and passion for the Guild and its educational mission are essential to our growth and success as an organization, and while we know she will be glad to have more time to work in the garden—a "near-obsession," as she calls it—we look forward to her continued work on behalf of the Guild and future generations of timber framers and engineers. h

Eric Morley

Measured, positive, and kind, Eric has served on the board always with an eye to the Guild's future. In his final year on the board, Eric brought a Community Building Project to the Guild, one he's been planning for and working on for several years. The resulting farmers market pavilion and stage will benefit a quiet rural community on the Appalachian Trail, offering new opportunities for the town and surrounding area. The progress of the project is a study in Eric's approach to our community and life: thoughtful, deferential, and with an eye to helping those around him shine.

We would be remiss in our thanks to Eric if we did not also thank his wife Gesche, who has been a partner in his Guild work as in life, giving freely of both her creative talents and her organizational skills, most recently during the Independence project, where volunteers were wowed by the meals and on-the-ground support she coordinated. We look forward to seeing Eric and Gesche at Guild events—and to calling on them for their advice and guidance as the Guild evolves.



Timber Framers Guild 2022 Board of Directors

Bo Foard, president
Autumn Peterson, vice president
Steve Lawrence, treasurer
Jackson DuBois, clerk

At-large: Rene Allen
Sandy Bennett
Will Denton
Jim DeSantis
Christian Gudmand
Chris Koehn
Brad Morse
Bill Sturm

2022 courses include all your favorites and more

The 2022 season of the Heartwood School will be here sooner than you think, and we look forward to welcoming a full complement of students and instructors to the Washington, Massachusetts, campus. All your favorites will be on the roster again this year, including the Cruck Framing, Raising and Rigging, Scribed Joinery, and the weeklong Timber Framing.

For those who find it challenging to break away for a full week of classes, Heartwood Executive Director Neil Godden is working to develop some 2- and 3-day class options.

In 2021, we ran eighteen classes and the students built nine timber frames, an earthen bake oven, and concrete countertops—and felled thirteen trees and hewed out six timbers. It was a busy season! We look forward to another season of great frame-building and learning together and invite Guild members to consider purchasing a Heartwood frame. This year, we shipped frames as far as Oregon and would love to ship one to your shop.

We look forward to seeing you in 2022 in New England!

Heartwood class schedule

Learn more and register at <https://tfguild.org/heartwood-school>.
NEW classes are noted in italics.

Timber Framing Intensive **May 2–27, 2022**
Converting Trees to Timber **May 31–June 4**
Stereotomy: Building the “Moore” End Table **June 4–5**
Demystifying Roof Geometry: The Stereotomical Approach **June 6–10**
History of Timber Framing (1/2 day) **June 12**
Timber Framing (Session 1) **June 13–17**
Timber Framing for Women and Gender Non-Conforming Folks **June 19–24**
Cruck Framing **June 27–July 1**
Woodworking: Build a Shaker Bench **July 5–6**
SketchUp for Timber Framing: Intro/Beginner **July 6–8**
Timber Frame Design & Joinery Decisions **July 11–13**
The Art of Drafting **July 14–15**
Timber Frame Preservation: A Guide to Understanding, Documenting, and Repairing Historic Timber Framed Buildings **July 18–22**
Timber Framing (Session 2) **July 25–29**
Timber Framing with Power Tools **August 1–5**
Raising & Rigging **August 8–12**
Introduction to Masonry Heating **August 10**
Build an Earthen Bake Oven **August 11–12**
Scribe Joinery **August 15–19**
SketchUp2LayOut: Adding to Your Skillset (Intermediate) **August 18–19**
Basics of Building **August 29–September 2**
Concrete Countertops **September 1–2**

HEARTWOOD

Register online

You can learn about Heartwood classes and register on the Guild website: tfguild.org/heartwood-school.

You can also contact the school directly with your inquiries at request@heartwoodschool.com.



Heartwood class, Timber Framing with Power Tools.

Photo by Daniel Girard

Managers reflect on the Independence Community Building Project

In October 2021, some sixty-five volunteers and instructors arrived in the town of Independence, a community of just over 1,000 people in southwest Virginia, to build a farmers market pavilion and stage. Project managers George Morrison and Patrick Shunney were joined by instructors Peter Bull, Barbara Gris , Ethan Higgins, Ethan Jones-Walker, Stephen Kuplack, Chris Newman, Kurt Rosenberger, Blain Snipstal, and Bill Sturm. Among the volunteers there were seasoned veterans and first-time attendees, hailing from Costa Rica, New York, the Yukon, Michigan, Washington, Oregon, Virginia, North Carolina, Maryland, West Virginia, and more.

After each morning’s exercise and yoga session, led by Sissily Harrell, everyone went to work. With a jobsite in the center of town, local residents were able to observe the daily progress of the pavilion and stage as the large crew transformed lumber into a beautiful frame.

Local heroes Eric and Gesche Morley not only shepherded this project, they coordinated the on-the-ground logistics for the event. Gesche set a new standard for Community Building Project fare, organizing the volunteers known as “Farmers Feeding Framers” to prepare and serve delicious home-cooked

meals for breakfast, lunch, and dinner, as well as refreshments and snacks every day.

Project managers George and Patrick reflect on the experience and the people involved in this special project.

George Morrison

I was just wondering to myself, “What am I going to do this fall?” I was wrapping up a few jobs and getting organized for the next as I pondered. Being a small shop, I don’t have jobs lined up months in advance, so this thought runs through my head a few times a year.

Then came the call: “Would you be willing to manage another Guild build, since you’ll be there at the project anyway?” And so I knew what my focus would be for the next ten weeks and ten days.

The first thing to do was connect with my co-manager, Patrick Shunney. Second, picking a team of instructors we couldn’t have chosen a better group! After weeks of phone calls, email exchanges, texts, and Zooms (and a few site visits), the day arrived to set up on-site for the project. As we shuffled timbers and set up tents, our volunteers started to trickle in.

On the first morning meeting, we introduced ourselves and shared a bit about why we were there. Then we got on with it: for the next nine days, pieces were laid out, more timber was shuffled, sawdust flew and chips piled up, and we prepared to raise the frames.

On day ten, I paused to look at all we had accomplished. Not only did we build a beautiful frame for the town of Independence, we reconnected with old friends, made new ones, laughed, learned new games, played old ones, and really experienced what a Guild Build is all about: community. It’s not about how quickly or efficiently we get the job done, but about the experiences we have together and individually.

I’d like to thank everyone for once again making a Community Building Project the highlight of my year. To local hero (though he may not like the title) Eric Morley, my co-manager Patrick Shunney, the instructor team, our sponsors, the town, all the folks who cooked and served such wonderful food, and all our volunteers who showed up to fabricate and raise this structure—thank you. Without all of you, it could never have happened.



Photo by Douglas Benoit



Photo by Eric Morley



Photo by Douglas Benoit



Photos by Douglas Benoit

Patrick Shunney

At every Guild Build I've attended—as a volunteer, instructor, or in Independence as a project manager for the first time—there's a been a "moment" that defined the project for me.

That moment's stage was set on Saturday, October 9, just nine days after the arrival of George and I, along with a slew of volunteers and stormy weather. We had been notified that a beer truck was set to arrive at 4 p.m. for the town raising party, and the pressure was on! The first three bents and connectors had been flown in the day before, and the remaining nine bents were assembled and stacked (and wet).

We'd gotten the crane into place on Friday. Not on the second or third attempt, but the fifth, and only then thanks to the town which, at a moment's notice, was able to bring in four tandem loads of stone and grade the mud bog driveway.

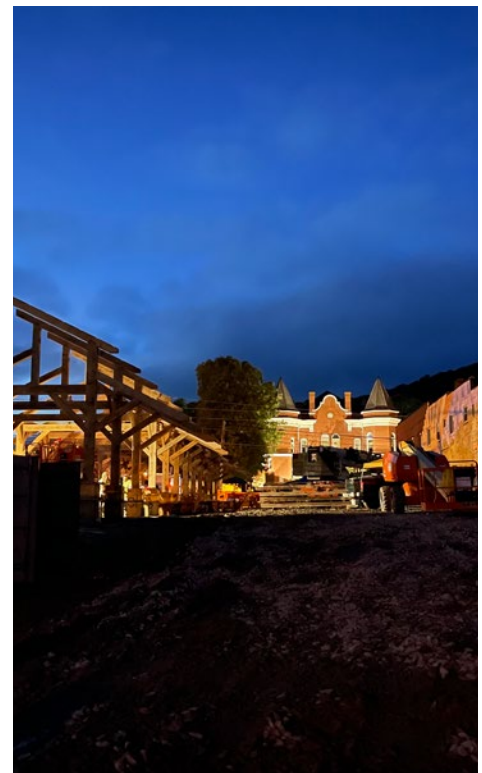
After our morning meeting and finely choreographed teamwork—combined with a bit of luck—all nine bents and connectors flew in and hit their marks. The frame looked amazing, and the wonder from our crowd of onlookers confirmed it.

As the last girt flew in, at 3:30 p.m., we shut down the crane, smoothed out the floor of the frame, and went to work setting up tables and chairs for a hundred of our old and new friends. The beer truck arrived, we opened the gate to the town, and we celebrated their new farmers market pavilion. At the party, I met dozens of new friends from Independence and heard how proud they were of their new frame and how impressed they were by our team, and I shared how welcome we felt in their community after such a short time.

As we had for more than a week, we all ate well (and drank plenty), and laughed and congratulated and thanked each other, and gathered around the firepit as the sun went down. The Stump and Bucket Rope (or is it Rope Bucket?) came out, and when the traffic from Highways 58 and 21 died down, the laughter of our timber framers and the townsfolk could be heard for blocks. This, for me, was THE "moment."

As the saying goes, "if you know, you know." And boy howdy, I know. These are the moments that I look forward to every year, and the ones I miss after we all pack up and go home.

To build this structure that will last for generations is a big responsibility and a huge honor. To the many volunteers, instructor team, and generous locals who worked hard and sacrificed every day, and my supportive co-manager George Morrison, Guild staff, sponsors, and local heroes Eric and Gesche Morley, I offer my heartfelt thanks for another "moment." I look forward to another one soon.



Photos by Patrick Shunney

Thanks to the generous sponsors of the Independence Community Building Project



**TIMBERWOLF
TOOLS**



Northcott Wood
Turning



Visionary Partners

Members of the Timber Framers Guild are craftsmen. Pioneers. Historians. Artists. And some are visionaries.

Many thanks to our national sponsor, our event sponsor, and our Visionary Partners, who support the future of the craft of timber framing by supporting the Timber Framers Guild at the highest level.

National sponsor Foard Panel, Inc.

Event sponsor Rothoblaas

Level 3

Bensonwood ~ Log & Timber Home Living ~
New Energy Works ~ Foard Panel

Level 2

Fire Tower Engineered Timber ~ FraserWood
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Level 1

Cascade Joinery ~ Dorval Timber, Inc. ~ Hardwick
Post and Beam ~ Hochstetler Timbers, Inc. ~ MoreSun
Timber Frames ~ Sauter Timber, LLC ~
Timberlyne ~ Timber Frame HQ ~
Eclipse Engineering

Leland Street Cooperative Garden Workshop

ADAM MILLER

The Leland Street Cooperative Garden fulfilled a few long-held goals in late October as it worked with Guild members to build a new timber framed shed. Established in the early 1980s by neighborhood activists on a few abandoned city lots in the Jamaica Plain section of Boston, the Leland Garden community never had a proper shed to house its tools nor a greenhouse to start seedlings.



(top) The shed frame across the permaculture landscape of the Leland Street Cooperative Garden.

(bottom) The front wall was assembled early on in the workshop to illustrate how all those housings and reductions fit together.

I was a little surprised to hear this, once I learned of the huge effort that had gone into converting what was once a forgotten urban dumping ground into a thriving greenspace, growing both food and culture. Old cars and an accumulation of varied refuse had to be hauled away before new topsoil was spread. In this rejuvenated space, the community established both annual and perennial plantings which have grown and thrived over the last four decades, while also providing a neighborhood gathering space where musical and other programming is presented.

This community-based project was out of the ordinary for both participants and the Guild. The Leland workshop was designed to be instructional like a Heartwood class, whereas most Guild Community Building Projects are focused on the objective of completing the structure. Our Community Building Projects draw Guild volunteers from near and far to craft frames for local organizations, which generally play a minor role in the fabrication work.

In contrast, the participants for this project were drawn exclusively from the Leland Garden community, with a shared goal of learning to build this shed for themselves. At the Leland Garden, a community came together to both learn and build their own timber frame, with the Guild providing instruction and logistic support.

After a summer of planning and design, I led a workshop for eight community members with the assistance of Mike Wenger. Together, we cut an 8' x 10' frame that will keep garden tools out of the weather and provide greenhouse space to start seedlings. Emphasis was placed on participants understanding the principles of square-rule layout so that they could apply them to other projects in the future, not just complete this shed frame.

The perfect autumn weather at the beginning of the five-day workshop steeled the crew to push on through the tail end of a tropical storm late in the week, continuing our layout and cutting under tent and tarp. The hand raising on the final day managed to thread the weather's needle, complete with wetting bush applied and smiling group photo.

Members of the Leland Street Cooperative Garden have been enclosing and finishing the shed throughout this fall, with the goal of starting seedlings in it for next year's plantings. Of special note are the siding boards, which were milled on Mike Wenger's sawmill from a tree that fell near the garden in a storm last year. According to Alex Klosterkemper, workshop organizer for the garden, the prospect of what could be done with this fallen tree was the spark that ultimately led to the garden shed workshop.

The New England Grassroots Environmental Fund provided scholarships for two young people from underserved communities to participate and gain skills to benefit their work in urban permaculture projects. We see this as the beginning of many future opportunities to share the Guild's experience and capacity with local communities of all scales.

Origins of a unique workshop

“The workshop came together so magically from a fallen tree in my backyard, which initiated the idea,” shares Leland Street Cooperative Garden member and workshop organizer Alexander Klosterkemper. “We had conversations with the Shelter Institute and Yestermorrow and both ultimately advised me to contact the Guild, where we worked closely with staff and our future instructor Adam Miller to develop this unique workshop. What resulted was five amazing days with a great group of eight students and two teachers. I could not have wished for anything better, and I can’t wait to finish the shed/greenhouse and maybe help other similar project to come to life.”

More about the Leland Street Cooperative Garden

The Boston Food Forest Coalition is a coalition of neighborhood gardens transformed from vacant lots into locally-run, public, edible parks protected by our land trust.

Leland Cooperative Garden (<https://lelandgarden.wordpress.com>) is our oldest site, founded 38 years ago, long before the Boston Food Forest Coalition was founded. It has been an inspiration for the Coalition to demonstrate how neighbors and volunteers can come together, transform a vacant neglected lot and change it into a beautiful, safe space. The garden shed/greenhouse workshop was made possible by a grant from the New England Grassroots Environmental Fund as well as the Guild, who provided two teachers and organized the timber.

Photos courtesy the Leland Street Cooperative Garden



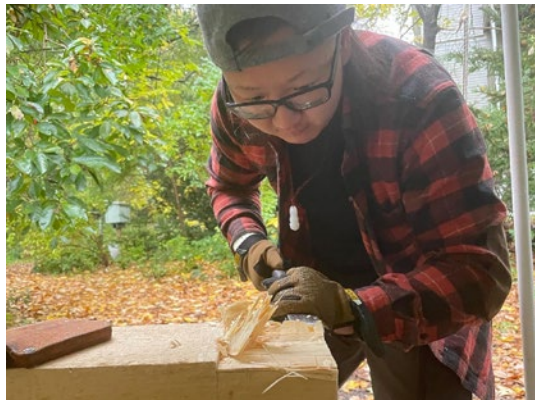
Tim Bilodeau and Jabari Rezende check a tenon.



Mike Wenger shares a circular-saw usage tip with Pampi. Though focused on building hand-tool skills, workshop participants learned about a full range of tooling options: from T-augers to chain mortisers.



Emmet Schaefer practices a finer point of square-rule layout.



Koko Li works a housing to the line.

Teaching Through Covid-19

ROB HUGHES

The past two school years have been uniquely challenging for our high school timber framing class. Unexpected shutdowns, remote learning, hybrid learning, mask mandates, and additional safety protocols have required us to be ever more flexible and creatively pivot on multiple occasions. Through it all however, we have managed to cut and raise two new community structures and are currently cutting our 2022 frame with our biggest class yet.

trusses. The raising took a total of 10 hours and the frame came together perfectly. The only blemish on the day was that our current students were not allowed to take part or even attend, due to statewide restrictions.

As with all of our project frames, the design phase attempted to aesthetically blend the structure with the landscape, incorporate appropriate symbolism, and safely resolve all forces within the frame. To that end, we designed long curved braces



Our project during the 2019–2020 school year was a well thought-out 20'x24' Dutch gable hip roof hammer beam outdoor educational center for the Loon Lake Watershed Alliance property in Wayland, New York. It was our largest and most ambitious frame to date. Our students rose to the challenge and had the frame mostly cut when New York went into lockdown as the magnitude of the pandemic became evident. After a complete pause of over two months, it became clear that we would not return to school. Our instructors finished the remaining timbers, which were mostly roof purlins and a handful of jack rafters, and waited patiently for approval to gather our students to raise the frame, which we typically do in May. Once we accepted that the students who had cut the frame would not be allowed to come together for the raising, we reached out to graduates of our program, several of whom were home from college, and a handful of teaching colleagues to come together for the raising.

We were amazed by the crew we were able to assemble, and as the frame came together we called upon our graduates to lead the raising, a gratifying spectacle for our instructors to behold. Imagine a scenario where 19-year-olds are leading and instructing their former teachers as timbers are assembled and raised in a logical and safe sequence. We were also supported by a local building supplier, Rogers and Tenbrook, who graciously provided a boom truck and operator to raise the bents and

for the overhang that resembled the sweeping curve of the leaf blades of the cattails found in the adjacent wetland, paired braces that brought to mind the shape of stained glass windows in the nearby chapel, and structurally redundant features such as notches, tension rods, and steel brackets where appropriate.

The most challenging aspect of the design process was getting the roof lines to meet at the same plane. This was particularly difficult with a hip roof (where all slopes were equal but the structure was a rectangle and the end slopes landed short of the ridge) to achieve the desired Dutch gable look. After hours of frustration, we reached out to our friend Will Beemer for some advice. I had attended one of his “When Roofs Collide” sessions at a previous Guild conference and hoped he might offer some support. He posed several solutions and we settled on shifting the inner two bents until everything else fell into place, yet another example of the generosity of our collective timber framing community and a tangible testament to the Guild’s enduring mission.

The 2020–2021 school year saw a combination of fully remote students as well as students on a staggered hybrid schedule, where students attended only two days a week, one group at the beginning of each week and the other at the end. This required us to re-teach each lesson to the different groups and it became obvious that we needed to scale back our project frame ambitions. We decided to pivot from our scheduled

project, delaying it for a year, and shifted to a smaller project that was on our list of future frames. The project we took on was a three-bent grill pavilion for the Cohocton Legion to be used for steak roasts and barbeque fundraisers.

During our first meeting with the Legion group, one member, Ed Schneider, mentioned he had a sawmill and would like to donate all the timbers. We were thrilled with this generous offer and our instructors went to Ed's mill on several occasions, serving as swampers while he filled our cut list. Ed was gracious with his time and we learned a great deal from him as he skillfully operated his LT50 under the watchful eye of his cat Millie. As fate would have it, Ed passed away before we could raise the frame and we were left with the sorrow of a friendship that ended far too soon. He was one of those people whom you feel you've always known the instant you meet him and we had already begun discussions of future projects, including a covered bridge as well as other various locally-sourced, custom-milled accent timbers. We'd like to think that Ed was watching over our class, providing near perfect weather during the raising and that his spirit can be found throughout the completed frame.

Although the Legion Frame was the third grill pavilion our class has raised, each one has intentionally been different. The 2021 design features long, curved braces that connect posts to principal rafters, rather than to tie beams. Our original goal was to design either a cruck frame or sling-brace frame, but given the limitations of class time, we decided that a fully scribed frame was not feasible. This frame featured traditional draw-bore techniques and students crafted the pegs from white ash blocks, a process they really enjoyed.

As our program has grown, we have tried to spread the concept to other high schools and have had lengthy conversations with teachers in Alaska, Illinois, Michigan, and Minnesota. We are extremely pleased that Justin Dietrich at Lincoln Community High School in Lincoln, Illinois, has adapted our model and his students will be cutting their first community frame this school year. Additionally, Chris Last



(Livonia, Michigan) has been working very hard on his "From the Stump" initiative for public schools, which focuses on urban forestry and connecting students with their communities through service projects. We are committed to putting tools in the hands of kids and expanding their world by exposing them to craft. We continue to refine our program and are eager to share our experience and methods with those interested in attempting a similar program in their community. We can be reached at rhughes@wccsk12.org or by phone at 585-683-2097.



EVENTS



Guild events

Heartwood School

Timber Framing Intensive May 2–27
Converting Trees to Timber May 31–June 4
Stereotomy: Building the “Moore” End Table June 4–5
Demystifying Roof Geometry: The Stereotomical Approach June 6–10
History of Timber Framing (1/2 day) June 12
Timber Framing (Session 1) June 13–17
Timber Framing for Women and Gender Non-Conforming Folks June 19–24
Cruck Framing June 27–July 1
Woodworking: Build a Shaker Bench July 5–6
SketchUp for Timber Framing: Intro/Beginner July 6–8
Timber Frame Design & Joinery Decisions July 11–13
The Art of Drafting July 14–15
Timber Frame Preservation: A Guide to Understanding, Documenting, and Repairing Historic Timber Framed Buildings July 18–22
Timber Framing (Session 2) July 25–29
Timber Framing with Power Tools August 1–5
Raising & Rigging August 8–12
Introduction to Masonry Heating August 10
Build an Earthen Bake Oven August 11–12
Scribe Joinery August 15–19
SketchUp2LayOut: Adding to Your Skillset (Intermediate) August 18–19
Basics of Building August 29–September 2
Concrete Countertops September 1–2
Washington, MA. For more information or to register, visit tfguild.org/heartwood-school, or contact request@heartwoodschool.com, 833-862-7376.

Guild Conferences

October 13–16, 2022, in Burlington, Vermont
For more information about Guild events, visit tfguild.org/events.

related events

Workshop with Jack Sobon, Dave Carlon, and Neil Godden

Traditional Timber Framing September 21–25, 2022 (Wednesday through Sunday).

Hancock Shaker Village, Pittsfield, MA. Contact Dave Carlon: 318 Bates Road, Windsor, MA 01270. Tel 413-684-3612. Email dcarlon01@aol.com. Or Jack Sobon: 613 Shaw Road, Windsor, MA 01270. Tel 413-684-3223. Email jacksobon@verizon.net.

For more information about related events, visit tfguild.org/events/related.

Share your event or notice!

Timber Framers Guild members can submit notices at no charge. Non-members may pay to post. Email the Guild at info@tfguild.org; or log onto the members section of the website and post your notice.



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DESIGNER WITH CAD EXPERIENCE—British Columbia.

Daizen Joinery in Kamloops, British Columbia, is looking to hire designers with CAD work experience. We are also willing to train young apprentices to take this position who have basic CAD experience. Designers' work directly affects our production performance, this role is a key position.

Please send a note to Dai Ona at dai@daizen.com for further information.

CARPENTERS AND LEAD CARPENTERS—Connecticut.

Hudson Valley Preservation is a design/build firm located in Kent, Connecticut. We work on historic structures as well as build contemporary homes. HVP is seeking carpenters and lead carpenters to join their staff; we will train carpenter apprentices. Competitive compensation and benefits package available depending on level of experience.

For more information, please contact Dorothy at 860-592-0500 or email her at dlangley@hvpcorp.com.

US OPERATIONS DIRECTOR—Illinois.

Duncan & Grove is a playground equipment design, manufacture, and installation company with over 10 years of experience building award-winning playgrounds. It manufactures a range of high-quality natural play equipment as well as building large bespoke structures. Duncan & Grove is looking for a US Operations Director from within the construction/manufacturing/carpentry industries to establish its US manufacturing base and rapidly build capacity to allow further expansion and growth in the timber playground industry. We are looking for someone with good attention to detail who's a strategic and analytical thinker, a strong negotiator, and results-oriented. This person will establish the US manufacturing facility, with a focus on timber and metal manufactured play products; recruit and build a strong team; develop and implement the procurement, sourcing, supply chain, distribution, and logistic strategy consistent with the overall group business strategy; and ensure all projects are delivered on time and to our quality standards. Learn more at <https://duncanandgrove.com/playground-equipment-careers>.

TIMBER FRAMER CARPENTER—Maine.

Timber Frames by RA Krouse is a traditional timber frame company that is seeking a full time experienced or beginner timber framer. Job requires lifting heavy objects, flexible work schedule, and traveling out of town to jobsites for extended periods of time. Must be comfortable reading blueprints and have some experience in laying out joinery in timbers. Experience on a sawmill and running heavy equipment is preferred. Wages based on experience.

Please contact Chris with inquiries: christopher@mainetimberframes.com or 207-967-2747. <https://mainetimberframes.com>.

TIMBER FRAMER/CARPENTER—New York.

Legacy Timber Frames is a custom, hand crafted timber frame shop near Saratoga Springs, New York, that has been in business for over 32 years. We design, manufacture, and install new timber frame structures. We are looking to hire someone full-time that can both cut frames in the shop as well as assist in frame installations in the field. Some travel might be required occasionally for out of the area frame raisings. Timber frame experience is not required, but a bonus. The candidate will need to have some carpentry skills, and we can train the right person. Pay will be based on experience and skill level, and will increase based on performance. This is a full-time position, with overtime as needed.

Please e-mail Annemarie Mitchell at legacytf@aol.com or call 518-279-9108, www.legacytimberframes.com.

LEAD PROJECT ARCHITECT—New York.

New Energy Works is looking for an Architect to join our passionate and creative team in Farmington, New York. This role will be a leader in our architectural design efforts with a special focus on creating high-performance, highly crafted homes. You will interface between various teams and be client-facing.

Preferred: Residential design expertise. CAD skills. The ability to tell a good joke, enjoy a good meal, and laugh with your coworkers.

This position is full-year, full-time plus with great benefits including 70% company-paid medical, paid holidays and PTO, a matching 401k plan, dental, and vision. We are a 30% employee-owned (ESOP) company on our way to 100%, and when appropriate, we enjoy company-wide profit-sharing. Learn more about this and other positions at <https://newenergyworks.com/job-postings>.

TIMBER FRAMER —North Carolina.

Cabin Creek Timber Frames is looking for an experienced timber framer for a full-time position in the timber frame shop, located in the beautiful North Carolina mountains in the sunny south.

If interested contact Joe Bell: jbelle@cabincreektimberframes.com or 828-369-5899.

TIMBER FRAMER /DESIGNER—North Carolina.

Design/build timber frame company in western North Carolina looking for an experienced joiner and designer. The famous Chattooga River, Nantahala River, and the Ocoee River are all within an hour drive and we are two and a half hours north of Atlanta. The majority of our work is done here in western North Carolina and northeast Georgia. We're looking for a qualified person who can grade and layout timbers in the shop, cut timbers based on timber frame drawings, and assist in the trial fitting and installation of work. Some occasional travel may be required. Applicant should also have experience and be proficient with SketchUp Pro including plugins and layout within the program. Pay is negotiable and depends on experience, travel and per diem are paid, paid holidays off, and vacation time after one year.

Please email resumes to sales@jeffjohnsontimberframes.com or call Jeff at 828-342-5393.



JOINERS AND CARPENTERS—North Carolina.

Come live & work in the beautiful mountains of western North Carolina! Mile marker 110 on the Appalachian trail, and the famous Chattooga River, Nantahala Rive & the Ocoee River are all within an hour drive. We are looking for experienced joiners and carpenters that take great pride in their work. The position available requires heavy lifting along with the use of hand and power tools. Compensation will be based on experience and skill level. Please email resumes to sales@jeffjohnsonstimmerframes.com. Or, if you have any questions, please call Jeff Johnson at 828-342-5393.

PROJECT ENGINEER—Oregon.

Right now, New Energy Works is in need of a Project Engineer/Project Manager to support our West Coast operations. We are looking for a well-rounded team member that has knowledge of residential construction techniques and is able to read blueprints. Although this position is titled as Engineer/Project Manager, the role will require many hats to be worn, including sales and admin support, project engineering and management, as well as helping to develop relationships with outside suppliers, contractors, and architects.

Our design and engineering team is in Portland, Oregon, and our manufacturing shop is in McMinnville, Oregon (this position could work out of either our Portland or McMinnville location). You will be working directly with the Engineering Manager and the Lead Designer and will have ample opportunity to learn from the company Founder as well. This is a full-time position with benefits including paid time off and a matching 401K plan. Learn more about this and other positions at <https://newenergyworks.com/job-postings>.

ARCHITECTURAL DRAFTER MODELER—Oregon.

New Energy Works is a timber frame, heavy timber, and high-performance enclosure company looking for a designer skilled in modeling and architecture to work with our West Coast Operation in Portland, Oregon. The successful candidate will have strong structure modeling knowledge, AutoCAD skills, understanding of construction plans and processes, and a good way with clients. This role will support our timber frame architectural design and engineering efforts with special focus on sales modeling and concepting. You will interface between these various teams and face-to-face with clients to produce drawings and models. You'll also be able to enjoy a good timber frame raising here and there! There is possibility to work remotely.

This is a full-time position with benefits including paid time off and a matching 401K plan. Learn more about this and other positions at <https://newenergyworks.com/job-postings>.

CNC/HUNDEGGER OPERATOR—Rhode Island.

South County Post and Beam, Inc. is seeking an experienced timber framer/carpenter to work with our growing company. Candidate should have a general knowledge of carpentry. Must be able to travel for work with full expenses paid by South County Post & Beam, Inc. We offer an exceptional working environment, competitive wages, and full benefits. Please forward your resume and salary requirements by email: info@scpb.com, fax: 401-783-4494, or mail: 521 Liberty Lane, West Kingston, RI 02892.

SALES PROJECT MANAGER—Tennessee.

Hearthstone is seeking a full time Sales Project Manager to be located in Newport, Tennessee. Base pay plus commission on each sale. Previous sales and or project management necessary. 800-247-4442, mloy@hearthstonehomes.com, <http://www.hearthstonehomes.com>.

TIMBER FRAME CARPENTER—Vermont.

Scratch Builders is looking to hire a timber frame carpenter. All experience levels welcome to apply. Thanks! Contact Evan at evan@scratchbuildersllc.com or 802-829-1939.

EXPERIENCED TIMBER FRAMER/ CARPENTER—Vermont.

Bellwether Craftsmen is a triple bottom line, sustainable design/build company in Huntington, Vermont. We are interested in hiring an experienced timber framer, minimum of 2 years experience preferred. Other carpentry experience is a plus, but will train the right person. Compensation commensurate with experience. Long term opportunities are a possibility. People of color, trans and gender-nonconforming people, people from poor and working-class backgrounds, people in the LGBTQ+ community, and women are encouraged to apply. Send inquiries and resume to Susan: susan@bellwethercraftsmenvt.com, bellwethercraftsmenvt.com.

TIMBER FRAME DESIGNER—Vermont.

Vermont Barns, a Wadsworth Company, is looking for a timber frame designer. We craft our timber frames using both century old hand-cutting techniques and our Hundegger K2 CNC machine. The designer is primarily responsible for ensuring that timber frame structures are designed and drafted to meet customer requirements and expectations as well as monitoring the production process to ensure quality control and the high service standard goals of the company are met in the final project/product. Must have the experience, knowledge, and know-how to take a project from inception to installation and/or delivery. Contact Reid at 802-297-1600 or reid@vtbarns.com.

TIMBER FRAME PRODUCTION STAFF—Vermont.

Vermont Barns, a Wadsworth Company, crafts timber frames using both century old hand-cutting techniques and our Hundegger K2 CNC machine. We have been building custom timber frame barns and homes throughout southern Vermont since 1995. We are looking for timber frame production staff to build/frame pre-fabricated components, finish and package timber products, and ensure the highest standards of quality control are adhered to every step in the process. Duties include but are not limited to: the ability to execute instructions as per shop drawings, organize the flow of material in the most efficient manner on current and upcoming projects, test fitting connections, check timber cross-sections, and inspect timbers for defects to ensure grades and visual qualities are met, package and ship timber frame and materials packages, and assist with timber frame raisings and material package installations. Contact Reid at 802-297-1600 or reid@vtbarns.com.

TIMBER FRAME SALESMAN—Vermont.

Vermont Barns, a Wadsworth Company, was born out of a passion for crafting traditional Vermont-made timber frame barns. We craft our timber frames using both century old hand-cutting techniques and our Hundegger K2 CNC machine. The primary accountability of this position is to develop and generate new business opportunities and new customers, accounts, and business partners; follow through on the setting the strategy; achieve sales objectives, goals, and timelines; achieve maximum sales profitability, market growth, and account penetration within an assigned territory and/or market segment; grow the partner network to drive repeat business and create loyalty with our company; deliver exceptional service, knowledge, and industry expertise. Contact Reid at 802-297-1600 or reid@vtbarns.com.

TIMBER FRAMER—West Virginia.

Handcrafted Homes Timberframe is owned by Eric Moerschel who has been building handcrafted frames in Fayetteville, West Virginia, for 27 years. We are looking for a timber framer/carpenter, whose duties will include but are not limited to reading and interpreting blueprints, drawings, and sketches; working with a small crew to create frames; traveling to jobsites to raise timber frames; sanding and staining finished frames. A serious applicant will be safety-conscious, willing and able to communicate in a timely manner, have a motivated / committed work ethic, and have basic technology skills. To apply, please contact Eric or Caroline: 304-465-9663, ejmoerschel@gmail.com, <http://ericmoerschel.com>.

OUTSIDE TECHNICAL SALES REPRESENTATIVE—Midwest.

Rothblaas is a team of more than 500 coworkers in over 50 countries. We develop innovative, sustainable, and future-oriented products and services for timber building. We are a family business that works on a global level, with an alpine heart and an international spirit, supporting our customers wherever they need us.

Rothblaas is looking for an Outside Technical Sales Representative, serving lower Michigan, Ohio, and Western Pennsylvania OR Minneapolis and the Great Plains. The job requires that you establish, develop, and maintain business relationships with current and prospective customers; visit builders, retailers, engineers, architects, and project

stakeholders; provide advice and technical support to customers; take part in trade shows and visit projects; collaborate with colleagues and supervisors. The ideal candidate will be customer oriented with good communication, negotiation, and organizational skills; sales experience or technical background in timber or high-end home construction is a plus.

Learn more about this position: <https://rothblaas.com/work-with-us>.

for sale

SWISS PRO CHAIN MORTISER—California.

Swiss Pro Chain Mortiser Model KSP 20 set up with 110V motor, 8" bar, 1 1/2" chain, \$4800. Comes with or sold separately: 220 V motor (\$1200), 8" x 2" bar (\$800), 2" chain (\$700), 2" sprocket (\$ 60). Purchased two years ago to work alongside my 6" mortiser. Went unused after moving the shop in 2020. Works perfectly and is in excellent condition! Contact Dave Bixler, Garfield Construction & Timber Framing, at 707-841-7429 or garfieldcoba@hotmail.com. Located in Willits, California.

TENON GAUGES—New York.


Handmade tenon gauges for sale. These tenon gauges are for 1.5" and 2" tenons, made out of 1/4" aluminum. Contact Joseph Dorney at Joe's Frames & Fixtures for more information: josephdorney@gmail.com or 585-613-6189.



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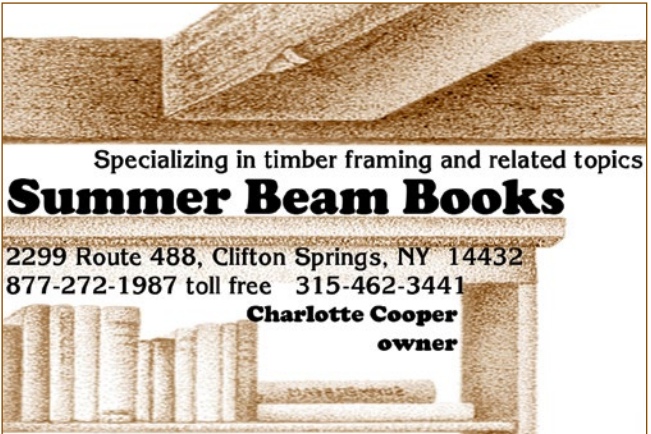
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