



# SCANTLINGS

NEWSLETTER OF THE TIMBER FRAMERS GUILD  
NUMBER 201

JULY 2016



**Our  
Stories**

**2016 Conference &  
Community Building Project**

**Ambassador  
Program**

# SCANTLINGS

Newsletter of the Timber Framers Guild  
Number 201 July 2016

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Founded 1985

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*Scantlings*, the member newsletter of the Timber Framers Guild, is published in January, February, April, May, July, August, October, and November. Next deadline: **September 1**.

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Cover photo: Kettle River Timberworks, LTD.  
Seasonal House, Nelson Island, BC

## DIRECTOR'S CORNER

JEFF ARVIN

**It's time to change things up a little bit.**

Way back in 1992, Ken Rower, the forever editor of *Timber Framing*, started *Scantlings* so that TFG's Executive Director at the time would have a way to communicate Guild news more frequently to members. It was a major improvement over a quarterly schedule, but that was before the intertoobs. Twenty-four years later, with digital communication the norm, communicating via a monthly printed piece has become, as some might say, quaint. Or archaic. Or Quixotic. Or, plain old ineffective given the amount time required to prepare, print and mail a monthly newsletter. By the time you get it, the news is the olds. Nonetheless, there's something about sitting down with a printed piece, in a comfortable chair, and leisurely reading news in print.

With our disparate membership, the advantage of digital communication is clear: we can communicate almost immediately. The Weekly Guild Note in combination with our expanded website are far superior ways to communicate time sensitive news. Not all news, however, and maybe the best and most interesting news, is not time sensitive. Our community is full of talented people and great story tellers. Our work is inspiring, our stories are compelling, and *Scantlings* might prove to be the perfect venue for featuring both.

So send us your stories! Following our request in *Scantlings* 200 and repeated in this issue, we are receiving compelling, inspiring, entertaining, and occasionally outrageous stories from you all. Please keep them coming! A quick reminder: we are seeking short stories (200-500 words), written in first person. True or made up. Spelling and grammar don't count. We can fix that stuff, but the wisdom of our community can only come from you—please share liberally!

Yet, this community is not all talk. We also act. We build some of the most remarkable buildings in the world, and I am regularly awed by the work you do. If you're like me, you want to see more. So in this issue we will begin showing the work of the community. This month we feature a home by the folks at Kettle River Timberworks out of Vancouver, British Columbia. It's a wonderful example of what you get when you combine creative designers with skilled crafters and adventurous clients. I hope you can imagine what a daunting task it is to choose one project out of all the splendid work available, but over time we will feature the full scope of work represented by our members, from historic to traditional to modern. We will be looking for something that's a little out of the ordinary. If you have a project to share, drop us a line at [info@tfguild.org](mailto:info@tfguild.org) and tell us what makes that project exceptional.

Hey! In case you haven't heard, we have a conference coming up. After a year's absence we're

*See Director's Corner, page 3*



## TFG Ambassador Program continues – please join us

ELLEN GIBSON

The Timber Framers Guild has members in many states and countries. It exists because of, and for, these members who have a wide range of interests, skills, and reasons for joining the organization. Everyone has different experiences and memories from projects, conferences, and workshops that they share with people in their communities. The Guild is here to support its members in their professional lives and personal interests in timber framing.

Two years ago, after hearing members express an interest in helping to promote the Guild and its mission, TFG started an Ambassador Program with volunteers helping to spread our story. This program is ongoing, and we are looking for volunteer members to help. We are assembling binders containing information about all aspects of the Guild to be used by Ambassadors as a reference guide. There will be a table set up at the September conference in Saratoga Springs, New York to answer questions. We hope you'll come by to find out more about the Ambassador Program.

Would you be willing to use this information for a presentation to a group in your community? Would you take brochures and community build information to your city council or board of trade to see if local projects are needed? Or maybe you could host a regional meeting or technical demonstration and inform local historically-minded groups to attend along with Guild members. You will have all the information you need to talk about the Guild, and all ambassador volunteers have the support and guidance of the TFG staff and board.

Presentations don't have to be complicated and can be as long or short as needed for the occasion. You could present projects you've been involved in and bring some joinery, engineering or tool samples. You could show a Guild community building project video to a local library, trade school, historical society, or woodworking club. Maybe a client would like to know more about the structure, design, and history of their house and would want to share that information at an informal gathering.

Historians, engineers, builders of all kind, and timber frame enthusiasts are engaged in the Guild. Please join

us in volunteering to pass on the mission and spirit of the Guild within your personal and professional communities. Help the TFG build on and highlight its diverse base of talented members and celebrate all the projects that have enhanced our collective communities. Come talk to us at the fall conference about being an Ambassador or contact TFG office, [info@tfguild.org](mailto:info@tfguild.org) or 360-746-6571. It doesn't take much time, and the Guild will back you up. Our story is worth telling and you could help us do that.

## TFG/TFEC sponsored research project in development

MACK MAGEE

The Timber Frame Engineering Council (TFEC) and TFG have inked a two-year research contract with the University of Wyoming and Brigham Young University to develop better seismic performance factors for understanding of how stand-alone timber frame structures (e.g., open pavilions) perform under earthquake (seismic) loading. The first phase of the project includes testing of full-scale timber frame assemblies with mortise and tenon joinery. The second phase of the research will investigate complex collapse simulations. The results of the research will be seismic performance factors that structural engineers need to design safe and cost-effective stand-alone timber frames subject to seismic loading.

Additionally, through the efforts of the TFEC and American Society for Testing and Materials, standards have been developed to define the characteristics of a wood dowel (peg) used in timber frame construction. That standard is similar in intent to the standards that define characteristics of structural lumber and timber. However, the bending strength of a standard peg has not yet been quantified. This project will develop a design equation to predict the bending strength of wood dowels (pegs) used in mortise and tenon joinery. It will provide the last piece of the puzzle for engineering design of mortise and tenon joinery. Until now, TFEC attempts to have its design standard adopted as a component of, or supplement to, the National Design Specification for Wood Construction (NDS) have been blocked due to the lack of a suitable design value

*See TFEC, page 4*

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### Director's Corner, *from page 1*

coming back to the New England heartland, and not just with a conference, but with a very ambitious Community Building Project that will culminate with a hand-raising the day before the conference starts. Check out conference details and read more about how the project came to be in this issue.

Finally, as you will read in these pages, we say so long to Accacia Mullen, who has held the reins of this publication for the last two years. We thank Accacia for keeping the fire burning, and at the same time welcome Maureen Kane, TFG's communications director to the helm.

Keep in touch.

TFEC, from page 3 (strength equation) for dowel bending. The outcomes of the proposed research will eliminate that challenge.

The principal investigators are John P. Judd, Ph.D., S.E., Dept. of Civil and Architectural Engineering, University of Wyoming and Fernando S. Fonseca, Ph.D., S.E., Dept. of Civil and Environmental Engineering, Brigham Young University.



## Farewell message from Accacia Mullen

Scantlings 200 was my last issue as editor. In 2014 Susan Witter asked me if I was interested in working on some Guild publications, as she was preparing to transition out of her editor role. I gladly signed on. I started by writing the Weekly Guild Notes, and slowly took on more of a role editing Scantlings. I have enjoyed learning more about the Guild—the members, the leadership, the history, the projects—and being part of the organization. I have also learned that it's more difficult than I expected to manage the responsibilities of the Scantlings editor while working full time as an academic reference librarian. Scantlings and Guild Notes are now in the capable hands of Maureen Kane, Guild communications director. I'm not completely disappearing, though; along with my husband, Grigg Mullen III, and in-laws, Grigg Jr. and Cindy, I'm sure I'll be seeing some of you at conferences and other events in years to come. Thanks for welcoming me into the Guild and the editor's desk!

-Accacia Mullen



## Welcome to Maureen Kane

I am so pleased to have joined the team at TFG. From the beginning, I have enjoyed getting to know the staff, members, and board. I am grateful for the enormous amount of time and dedication of our volunteer directors and committees. Being a person who loves to learn, I have had plenty of opportunity to learn about the Guild, timber framing, and the membership. I look forward to meeting many of you in person. My background includes a twenty-year career as a marketing and nonprofit director or manager for small and large businesses, nonprofits, and schools. I especially enjoy strategic planning and mapping communications plans to strategic goals. In my free time, I enjoy combining my passions for nature, photography, and family. I am fascinated by the art of timber framing and am honored and humbled to work for an organization in which my boss crafted my desk.

-Maureen Kane

## Our Stories... coming soon

*"If you're ever in a plane and the plane is going down, forget the parachute and grab a garden hose or an electric cord. That son of a gun will get hung up on something and save your life!"*

This is an excerpt from a submission by John Van Bruggen, owner of Clydesdale Frames Co. on the topic of Teachers. Read the full story in the August Scantlings.

We know you all have stories. Send us your 200-500(ish) word stories related to the topics to the right. We promise to help you edit if you are shy. Feel free to

contact Maureen if you have any questions at all. Send your submissions to [maureen@tfguild.org](mailto:maureen@tfguild.org)

Topic	Deadline	Published
First Time	Aug. 1, 2016	Oct. 2016
Craft	Sep. 1, 2016	Nov. 2016
Tools and tool boxes	Oct. 1, 2016	Jan. 2017
Students	Nov. 1, 2016	Feb. 2017
Tradition	Dec. 1, 2016	Apr. 2017
Last Time	Feb. 1, 2017	May. 2017
Value	Mar. 1, 2017	Jul. 2017



# TIMBER FRAMERS GUILD

## 31st Annual Conference

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-Amy Good, conference committee member



Join us as we help to build the Champlain Canal Region Gateway Visitors' Center in Schuylerville, New York prior to the conference. September 5-15 with a hand raising on the 14 and 15th. More information [www.tfguild.org](http://www.tfguild.org)



#### Rudy Christian

Take a journey with Rudy to experience the traditional ways of building the historic timber palaces and monasteries of Mandalay and how this knowledge led to the discovery that the Golden Palace Monastery is actually two buildings from King Mindon Min's Royal Palace which were joined together to become Shwenandaw Kyaung.

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# Community Building Project: Gateway Visitors Center

MACK MAGEE

Several years ago, Joe Finan, Park Superintendent, Saratoga National Historic Park, approached Joel McCarty and Alicia Spence to enlist the Guild to fabricate and erect the timber frame for the first phase of a visitors center to be constructed in the village of Schuylerville, NY.

Officially the Canal Region Gateway Visitors Center (GVC) will serve to “direct visitors to the canal region’s waypoint communities, heritage centers, and attractions; provide an introduction to the activities and interpretative themes of the region; and provide interpretation of key features of the Gateway Visitor Center site.” (Canal Regions Gateway Visitors Center Conceptual Design Study, Saratoga Associates)

Besides featuring the Champlain Canal and Erie Canalway National Heritage Corridor, the GVC will feature the Saratoga National Historical Park and the initiatives of the Historic Saratoga-Washington on the Hudson Partnership.

Using the requirements developed by the design committee and the architectural style influences of the region at the time of its settlement, Saratoga Associates developed the design using a timber frame structure as would have the buildings built at the time of the Revolutionary War when this area was being settled. The Historic Hudson-Hoosic Partnership is a 24-agency

consortium overseeing the project. As with any project involving such a large group of stakeholders, the project development and design extended over years. As the process moved towards construction, the Guild hired Neil Godden to be the project manager and Mike Beganyi to be the designer.

Before they could get engaged, the inevitable Friday afternoon emergency call came in: The partnership needed a timber list for the following Tuesday Saratoga County forestry planning meeting. The emergency was compounded by a decision to make the raising a hand-raising and to work towards hosting it in the two days before the annual conference this year. So, Mack and Ben Brungraber of Fire Tower Engineered Timber convened an emergency session to re-design the frame from a hybrid bent and wall structure with principal rafters and common purlins to a wall structure with purlin plates and common rafters more amenable to a hand-raising, and then sized the members for the client. Later, the team incorporated characteristics of the Dutch barn frames native to the area into the design.

“The timber frame is a modern take on a traditional Dutch style barn that was common in the Hudson Valley,” states Mike. “The traditional design has been adapted to meet program requirements for a visitor center which will house interpretive displays, rotating

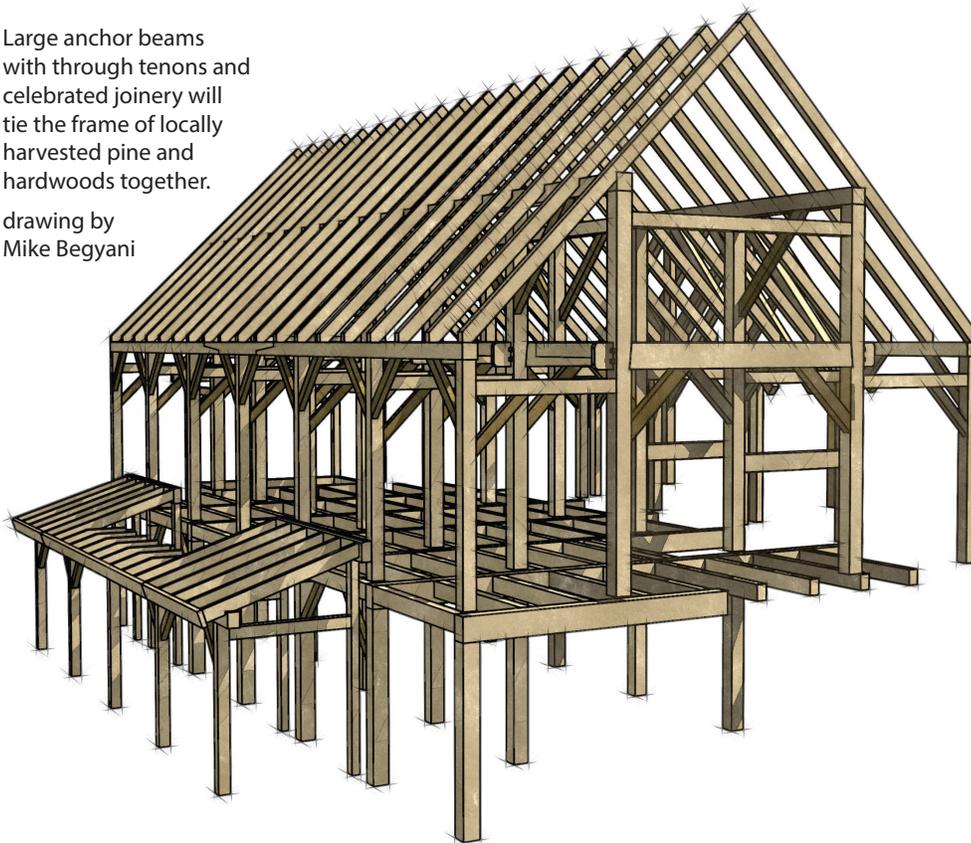
exhibits, and host community events.” Large anchor beams with through tenons and celebrated joinery will tie the frame of locally harvested pine and hardwoods together. Additionally, they lowered the outshot beams to improve connections, removed unnecessary braces to open the floor plan, and made extensive design changes to exterior porches.

The timber frame is comprised of roughly 300 pieces and 30,000 board feet of timber. The exterior timber and interior braces will be hardwood and the balance of the timber will be Eastern white pine. Neil and Joe chose a local sawmill, Mead Lumber Company of Queensbury, NY, to saw the locally sourced logs.

*See Schuylerville, page 7*

Large anchor beams with through tenons and celebrated joinery will tie the frame of locally harvested pine and hardwoods together.

drawing by  
Mike Begyani



## Schuylerville, from page 8

Recently at the annual meeting of SIPA conference in Puerto Rico, Mack and Jonathan Orpin proposed to SIPA executive director Jack Armstrong and SIPschool president Al Cobb that they host a demonstration project and SIPschool training session at the site. This would extend the community outreach and benefit both timber framers who use SIPs to enclose their structures and SIPs manufacturers and installers. Jack and Al enthusiastically signed on.

The result is a significant project for the Guild that includes timber supply, two timber frame workshops, and a SIPs demonstration project and installation training, all of which are open to the Guild community and the local community.

The first workshop, August 8-12, will fabricate and erect the walkout level of the timber frame; and the

second workshop, September 5-15, is to cut and raise the upper and mezzanine levels with the hand raising on September 14th and 15th followed by the SIPs demonstration which commences at the close of our annual conference.

The project team, Guild staff, board, Township of Saratoga, and the partnership of those 20-plus local and regional stakeholders are looking forward to what we all expect will be an excellent educational workshop series and a widely popular and informative community event. We hope to see many of our Guild community participate, especially at the hand raising prior to the conference, once again demonstrating our dedication to the art and science of timber framing as well as the vision and values of our community. Guild members are encouraged to register for free at [www.tfguild.org](http://www.tfguild.org).

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## Sculpturewalk

CHRISTOPHER PETERSEN

With the help of my friends, Hans Winter and Spring Shine, we designed and built this 8x8x24 ft. Sculpturewalk in my shop in Argenta, BC. Western red cedar was an obvious material as I had a deck of 6 to 8 foot logs left by an excavator from a recent visit to my shop.

This year, we wanted to enter a design that would allow visitors to experience the piece. Early sketches were soon modelled in Dietrich's, and many pages of drawings followed. Dreaming a complicated timber project was easier with a skilled navigator, quickly modelling crazy ideas.

Notching the 148 pieces was straight forward, allowing for shop made pipe nut fasteners. Consideration for public safety was met by some advice from an engineer, like a 2 x 3/4 inch plywood foundation with structural screws.

We were able to keep it rigid with 1/2 inch threaded rod from end to end. This rod travels through 1 inch holes in the 4 x4s and through 5 inch lengths of re-purposed sawmill roll case, each piece of pipe was housed 1/2 inch into the cedar 4x4.

All in all we were pleased with the finished piece, the light plays nicely, and I look forward to seeing it with snow all around.

*Editor's Note: Christopher's piece has been entered into an outdoor sculpture competition in BC called Castlegar Sculpturewalk.*



Sculpturewalk Photo: Chris Peterson

# FEATURED TFG MEMBER PROJECT

## Kettle River TimberWorks Ltd. Seasonal House, Nelson Island, BC

### *The Facts*

2 stories • 1050 sq ft • 1 bedroom • framed in douglas fir

### *Design Challenges*

remote topographically challenging island location  
• boat access only • materials barged to the island and helicoptered to the site

### *Timber Framer Statement*

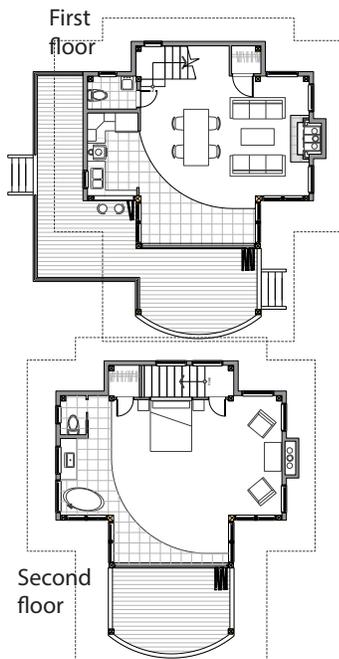
“The uniqueness and location challenges of this project, coupled with the amazing clients made this one of our favorite builds to date.”

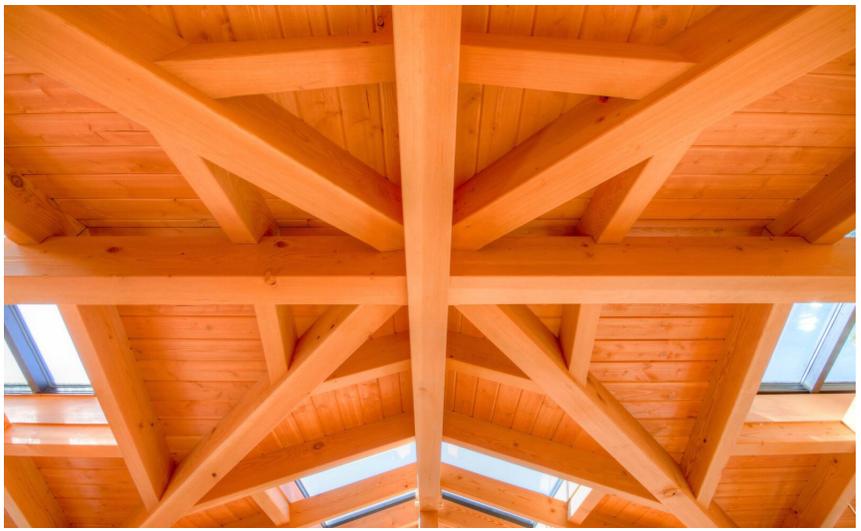
### *Notable Features*

completely off grid • rain-water recovery and filtration system • solar power • composting toilets • wood heating • cantilevered timber staircase • extensive glasswork and skylights • open concept design

### *The Team*

Everything was handled by Kettle River • Timber frame design by Guild member Andrew Preston.







## From the Apprenticeship Training Program

CURTIS MILTON

Leading up to the 2016 Apprenticeship Training Program's Annual Assessment and Training, this year at Cascade Joinery in Bellingham, WA, several exercises were distributed to apprentices and attendees to help prepare for the event. Below is a sample of resources on the topic of Center of Gravity. If you are interested in the rest of the pre-event exercises from this year, please contact the Apprenticeship Training Committee at [atc@tfguild.org](mailto:atc@tfguild.org).

### 2016 ATP Assessment and Training Week 2 Center of Gravity Calculations and Application

“Calculating for safe rigging, if it seems a lot of work, is really a simple process of solving individually for each part of the system and then putting all the parts back together. Don't get spooked, just start with the load to be lifted and work forward from there.” - *Grigg Mullen*

We have all done a bit of trial and error lifting, but this can be an expensive exercise with a crew, crane, and crowd of onlookers. Get it right the first time, do the math. Trust your experienced intuition, but verify. Initially most of us think of lifting as a two-dimensional affairs but many companies move to three-dimensional lifts when advantageous. In fact, the entities that legislate lifting safety direct us to consider assembling on the ground as a reasonable method to reduce the risk of working at height.

### The Goal: A well-managed load is a safe load

“By selecting the center of gravity as the reference point for a rigid body, the gravity forces will not cause the body to rotate, which means the weight of the body can be considered to be concentrated at the center of mass.” (*Kleppner & Kolenkow 1973, An Introduction to Mechanics, (2nd ed.)*)

There are hundreds of exercises online teaching us to determine the center of gravity for a load. One example is on the Sims Crane Company blog at [www.sims Crane.com/blog/2014/06/how-determine-center-gravity-any-load](http://www.sims Crane.com/blog/2014/06/how-determine-center-gravity-any-load). This article includes graphic methods that can be used to establish the center of gravity and shows the relationship between area and weight, and between volume and weight.

Another great resource is an article Grigg Mullen authored in Timber Framing 67:10. You can download it at [www.tfguild.org/downloads/center-of-gravity-pre-test.pdf](http://www.tfguild.org/downloads/center-of-gravity-pre-test.pdf). Grigg takes the discussion all the way to hand raising calculations.

If you'd like to test your knowledge, you can download the ATP Center of Gravity Pretest at [www.tfguild.org/downloads/center-of-gravity-pre-test.pdf](http://www.tfguild.org/downloads/center-of-gravity-pre-test.pdf)

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Below: Tumblebug fire salvage,  
Willamette National Forest,  
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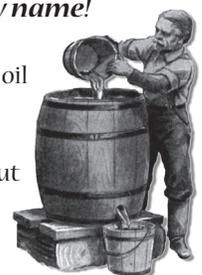
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# EVENTS



These listings are for Guild workshops and meetings, were submitted by Guild members, or announce other relevant events. For more info on Guild events or to register for any TFG project, reach TFG at 360-746-6571 or [info@tfguild.org](mailto:info@tfguild.org)

## Guild tours and events

**Schuylerville Community Building Project Phase 1: First Floor Walkout/Timberframe** Aug 8, 2016 - Aug 12, 2016  
Champlain Canal Region Gateway Visitors' Center  
Schuylerville, New York.  
Guild Office, 360-746-6571  
[www.tfguild.org/events/schuylerville-first-floor-walkout](http://www.tfguild.org/events/schuylerville-first-floor-walkout)

**Schuylerville Community Building Project Phase 2: Timber Frame Fabrication and Hand Raising** Sep 5, 2016 - Sep 15, 2016  
Champlain Canal Region Gateway Visitors' Center  
Schuylerville, New York.  
Guild Office, 360-746-6571  
[www.tfguild.org/events/schuylerville-timber-frame-fabrication-and-hand-raising2](http://www.tfguild.org/events/schuylerville-timber-frame-fabrication-and-hand-raising2)

**2016 TFG Annual Conference** Sep16 - 18, 2016  
Preconference Sep15  
Trade Show Sep16 - 17  
Gideon Putnam Hotel  
Saratoga Springs, New York  
Guild Office, 360-746-6571  
[www.tfguild.org/events/2016-tfg-annual-conference](http://www.tfguild.org/events/2016-tfg-annual-conference)

## other events

**Rendezvous Workshop At The Great Tithe Barn Of Aclou**  
Aug 28, 2016 - Sep 3, 2016  
[info@carpentersfellowship.co.uk](mailto:info@carpentersfellowship.co.uk)

**Sobon-Carlon**  
Sep 21, 2016 - Sep 25, 2016  
Traditional timber framing with Jack Sobon and Dave Carlon, Hancock Shaker Village, Pittsfield, Mass. \$620.  
Dave Carlon, 318 Bates Rd, Windsor, MA 01270, tel. 413-684-3612, [dcarlon01@aol.com](mailto:dcarlon01@aol.com)  
Jack Sobon, 613 Shaw Rd, Windsor, MA 01270, tel. 413-684-3223, [jacksobon@verizon.net](mailto:jacksobon@verizon.net)

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## for sale

### Tools.

- Protocol CSP132e 14-in. 220V with dado heads(2), 100-ft.cord, rip fence, guides, \$3,000 OBO
- Mafell 25ec band saw, \$4,500 OBO
- Makita planer 12" KP312, \$1400 OBO
- Makita curved base planer 1002ba, \$250
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## help wanted

### Field Carpenter and Shop Manager

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### Shop Foreman and Journeyman Carpenters

Green Mountain Timber Frames, located in S.E. Pennsylvania, has immediate openings for a shop foreman and journeyman carpenters. We are a full-service, hand-cut shop that specializes in out of the ordinary architectural timber framing and French-scribe

projects. Candidates must possess a positive work attitude, be team players, have an exacting eye for quality, and use all related tools & equipment proficiently. Occasional travel/overnight stay is required. We offer company-paid holidays, vacation, health insurance, and a great work environment.

2101 N. 13th St. Reading, PA 19604.

610-929-9600

[bruce@gmtimberframe.com](mailto:bruce@gmtimberframe.com) [gmtimberframe.com](http://gmtimberframe.com)

### Journeyman Carpenter

Nicola LogWorks builds handcrafted log homes (dovetail, scribed, post and beam) and timber frames. We also put our heavy timber skills to work on commercial out of town installations of cross laminated timber and gluelam. We are looking for a journeyman carpenter with a four-year certificate in the European tradition or equivalent. Massive wood joinery. Crane experience with ticket(s) an asset. Must be physically capable of heavy work and willing to travel out of town from time to time. Job includes layout, cutting, and assembling massive wood; reading and interpreting blueprints. Our ideal candidate will also bring Dietrich's CAD, surveying, and log building experience.

Merritt, BC V1K 1C2

Canada

250-378-4977

[john@logworks.ca](mailto:john@logworks.ca) [logworks.ca](http://logworks.ca)

### Timber Frame Structural Engineer

We are looking to hire a licensed engineer to review timber structures for our post & beam/timber frame company. Familiarity with timber joinery required. Ability to stamp in multiple states is very desirable, especially California. Compensation commensurate with experience; applicant need not be local. Excellent benefits.

613 Hwy 46 E

Boerne, TX 78006

402-992-3403

[jdickinson@texastimberframes.com](mailto:jdickinson@texastimberframes.com) [texastimberframes.com](http://texastimberframes.com)

### HSBCAD Designer.

Daizen Joinery is timber frame manufacture balancing Japanese hand craft with CNC production combined, commit for high quality work. Currently looking for a designer who has experience in HSBCAD is preferred. This is a full time position.

2947 Shuswap Rd East

Kamloops, BC V2H 1S9

Canada

[dai@daizen.com](mailto:dai@daizen.com) [www.daizen.com](http://www.daizen.com)

## Timber Frame Designer

Texas Timber Frames is looking for an experienced timber frame designer with knowledge of CAD and HSB to join our fast growing company. Previous experience will determine compensation. Opportunities for project management are part of the job depending on performance.

613 Hwy 46 E  
Boerne, TX 78006  
210-698-6156

[aarizpe@texastimberframes.com](mailto:aarizpe@texastimberframes.com) [texastimberframes.com](http://texastimberframes.com)

### employment wanted

## Work Wanted

Need an extra hand that can jump right in and cut joinery? I am looking to complete my calendar for 2016 with timber framing work on a project-by-project basis. Former Heartwood apprentice with 3 years' experience including production-style shop work. I've worked for others and have designed/cut my own frames. Have tools including mortiser, circular saws, and all hand tools. Have general liability insurance. Especially interested in projects involving scribing, round timbers, challenging joinery, but I find joy in basic frames as well. Open to projects ranging from 1 week to several weeks. I'm local to Massachusetts but will go anywhere. References upon request.

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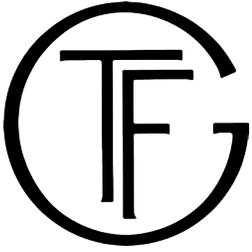
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## SAVE THE DATES!

### 2016 TFG Annual Conference

Timber Framing Today – Joining the Past and the Future

Gideon Putnam Hotel

Saratoga Springs, New York

September 16 – 18, 2016

Pre-conference: September 15

Main Conference: September 16-18

Trade Show September: 16-17

### Community Building Project in Schuylerville NY

Phase 1 – first floor walkout/timberframe: August 8-12.

Phase 2 – timber frame fabrication - September 5-15

Community Hand Raising: September 14-15

Register online at [www.TFGuild.org](http://www.TFGuild.org) or call the Guild office.

*We look forward to seeing you all there!*

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