

**Mid-Atlantic**  
TIMBERFRAMES

# TIMBER TALK

//////////////// SUMMER 2021



# INSIDE THIS ISSUE



4&5

## PROJECT SPOTLIGHT

Custom Pool Pavilion

6

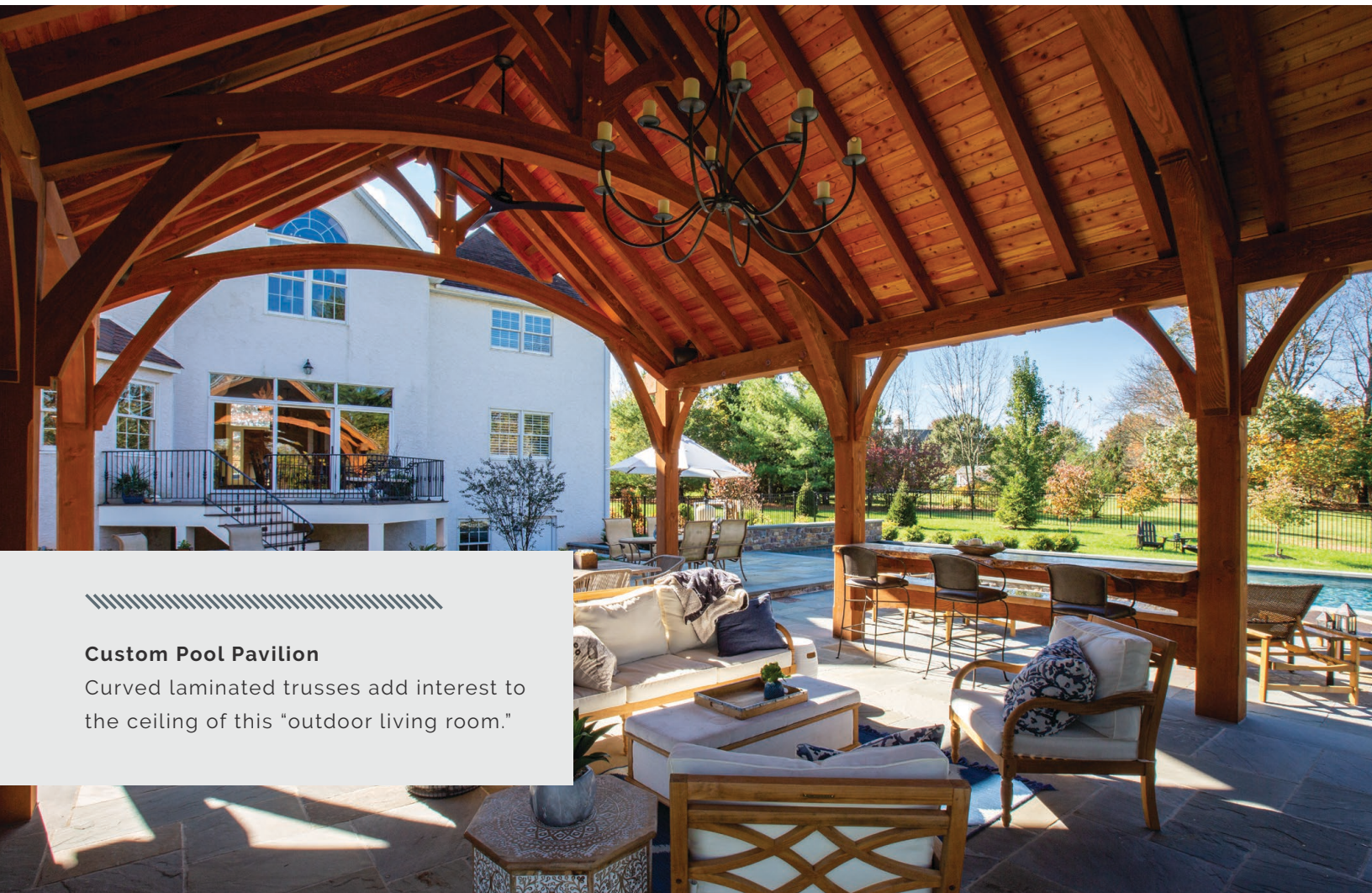
## ARCHITECT HIGHLIGHT

Bradley A. Kline, Period Architecture

7

## ASK AN EXPERT

Why is it important to be FSC certified?



### Custom Pool Pavilion

Curved laminated trusses add interest to the ceiling of this “outdoor living room.”

# INDUSTRY NEWS



## 2021 IBC® Features Amended Criteria in Heavy & Mass Timber



Published by the International Code Council (ICC), the International Building Code (IBC) applies to all types of buildings and occupancies except for detached one- and two-family dwellings and up to three-story townhouses.

Of particular interest for our readers, the 2021 IBC includes special inspection requirements to address the anchorage and connection of mass timber structural elements. In addition, three new types of construction (Types IV-A, IV-B, and IV-C) allow mass timber buildings of taller heights, more stories above grade, and greater allowable areas compared to existing provisions. Pick up your 2021 edition of the IBC at [iccsafe.org](https://iccsafe.org) to stay up-to-date.

## Where There's Fire

The beauty and biophilic benefits of exposed wood combined with the fire resistance of heavy timber framing has produced highly desirable results. For commercial property, the Insurance Services Office (ISO), in its *Commercial Lines Manual* (CLM), has established six classes of construction upon which fire insurance rates are based:

1. Frame Buildings: Most expensive to insure, with the highest rate per \$1,000 of insurance.
2. Joisted Masonry: Concrete and brick on the outside and frame inside, up to six stories in height.
- 3., 4., and 5. Non-Combustible, Masonry Non-Combustible, and Modified Fire Resistive: The lower-premium classifications.
6. Fire Resistive: The lowest premium classification. Rates are dependent on not only the building's susceptibility to actual damage but the extent of the probable damage that can be expected.



## 2021 International Fire Code (IFC)

Let your commercial clients know: The provisions for construction fire safety have been reorganized and expanded, with emphasis on a building owner's responsibilities. The new language requires a site safety plan and designation of a site safety director. The 2021 IFC is available now at [iccsafe.org](https://iccsafe.org).



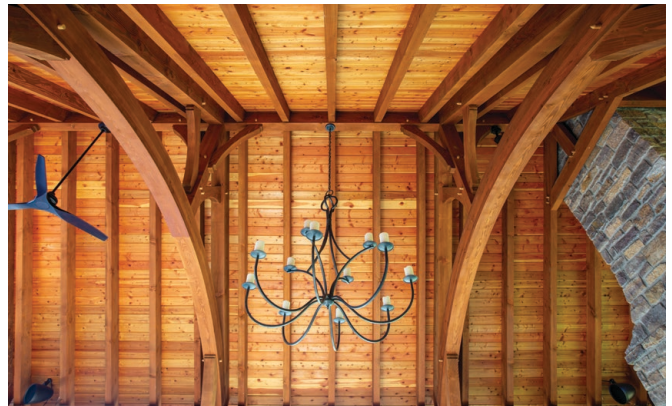
# PROJECT SPOTLIGHT

## Custom Pool Pavilion



<b>Architect</b>	Archer & Buchanan Architecture
<b>Builder</b>	E. C. Trethewey Building Contractors
<b>Location</b>	Royersford, PA
<b>Points of Interest</b>	<ul style="list-style-type: none"><li>• Built-in kitchenette</li><li>• Floor-to-ceiling wood-burning fireplace</li><li>• Live-edge dining bar overlooking the in-ground pool</li></ul>

Situated in a cozy community northwest of Philadelphia, Pennsylvania, this property is ready for outdoor entertaining thanks to a custom timber frame pavilion. Measuring 24' x 30', it perfectly houses multiple entertaining areas next to the swimming pool.







A stone fireplace was built at the end of this pavilion so the owners could enjoy the space year-round.



# ARCHITECT HIGHLIGHT



**Bradley A. Kline | Period Architecture**

## **Year Firm Established**

2010

## **Firm Size**

19 persons, including a principal architect, project architects, intern architects, and illustrators



## **What is Period Architecture's area of expertise?**

Period Architecture is a custom architectural firm specializing in new homes, additions, renovations, barns, and buildings with enduring designs tailored to each distinct client. This relationship creates dynamic places that enrich modern lifestyles with timeless design.

## **How many years have you been working as a project architect?**

I've been with Period Architecture since 2012 and bring 30 years of experience to the firm.

## **What is your area of focus at the firm?**

I particularly enjoy collaborating with clients and builders, which transitions into the integration of design, the technical aspect of creating two-dimensional drawings that ultimately transform to reality.

## **What inspired you to become an architect?**

I come from a family of builders and have always been fascinated by design and construction. I use this background to design high-quality and thoughtfully crafted projects. I feel I have a well-trained eye and a vast knowledge for aesthetic and structural principles, which enables me to execute

on every stage of a project, from design and documentation to and through the construction process.

## **Which project are you most proud of and why?**

There are many I am proud of. One that stands out is the Elk Hollow Lodge, on the North Platte River in Wyoming. The lodge was designed for an outfitting company that caters to outdoorsmen seeking a lifetime hunting and fishing experience. While this project has yet to be built, it is an amazing example of designing with timber frame construction.

## **Where do you find design inspiration?**

Design inspiration is all around — everyday travel, professional trade magazines, architectural books, and of course, a quick internet search.

## **What are your thoughts on designing with timber?**

Timber construction is the backbone from which many construction principles have developed. Through time, timber framing has always existed in a practical and utilitarian way, most often related to agriculture. There is a great appreciation for it among architects, designers, builders, and clients in today's construction world.

**Want to be our next Architect Highlight?** Email Sam Ebersol | [samuel.ebersol@midatlantictimberframes.com](mailto:samuel.ebersol@midatlantictimberframes.com)

# SAVE THE DATE



Friday, September 24, 2021

12:00 pm – 4:00 pm

Party barn in Chester Springs, PA

**Come for an afternoon of learning and earn AIA credits! Contact Sam Ebersol for more information: [samuel.ebersol@midatlantictimberframes.com](mailto:samuel.ebersol@midatlantictimberframes.com) or 717.288.2460 ext. 111**



# ASK AN EXPERT



## Why is it important to be FSC certified?

Certification by the Forest Stewardship Council ensures that the wood in our timber products comes from well-managed forests that provide environmental, social, and economic benefits. FSC is an independent organization that sets standards for protecting the world's forests. That's important to us because we know that trees are an important natural resource that we cannot afford to deplete.

Even though Mid-Atlantic Timberframes has been following sustainable practices for years, we feel it's important to support an organization like FSC because of our shared goal of protecting forests. More than 550 million acres of forest are certified under their system — including 155 million acres in the United States and Canada alone. Thanks to their efforts, we can continue to meet the demand for wood products while ensuring forests remain viable for generations to come.



## Sam Ebersol | General Manager

Sam has 25 years' experience in the timber frame industry. He got his start erecting timber frames, then graduated to layout and cutting, and eventually learned the design and estimating side of the business. As the general manager of Mid-Atlantic Timberframes, he oversees all of the company's departments, as well as its sales, estimating, design, fabrication, and erection of timber frames.

**[samuel.ebersol@midatlantictimberframes.com](mailto:samuel.ebersol@midatlantictimberframes.com)  
717.288.2460 ext. 111**



34 S Vintage Road  
Paradise, PA 17562



**Mid-Atlantic**  
TIMBERFRAMES

## **Advancing the Art of Timber Construction**

Mid-Atlantic Timberframes builds custom legacy homes and academic, agricultural, and one-of-a-kind commercial structures. Timber frame construction provides versatility that traditional construction methods can't match, for limitless building possibilities. We employ innovative computer-aided design and computer numerical control (CNC) machining technology, bringing our craft to a higher level of precision and resulting in exceptional structures that deliver lasting durability and peace of mind.

For more information about Mid-Atlantic Timberframes, visit **[midatlantictimberframes.com](http://midatlantictimberframes.com)**.