

TIMBER TALK

//// Autumn 2022

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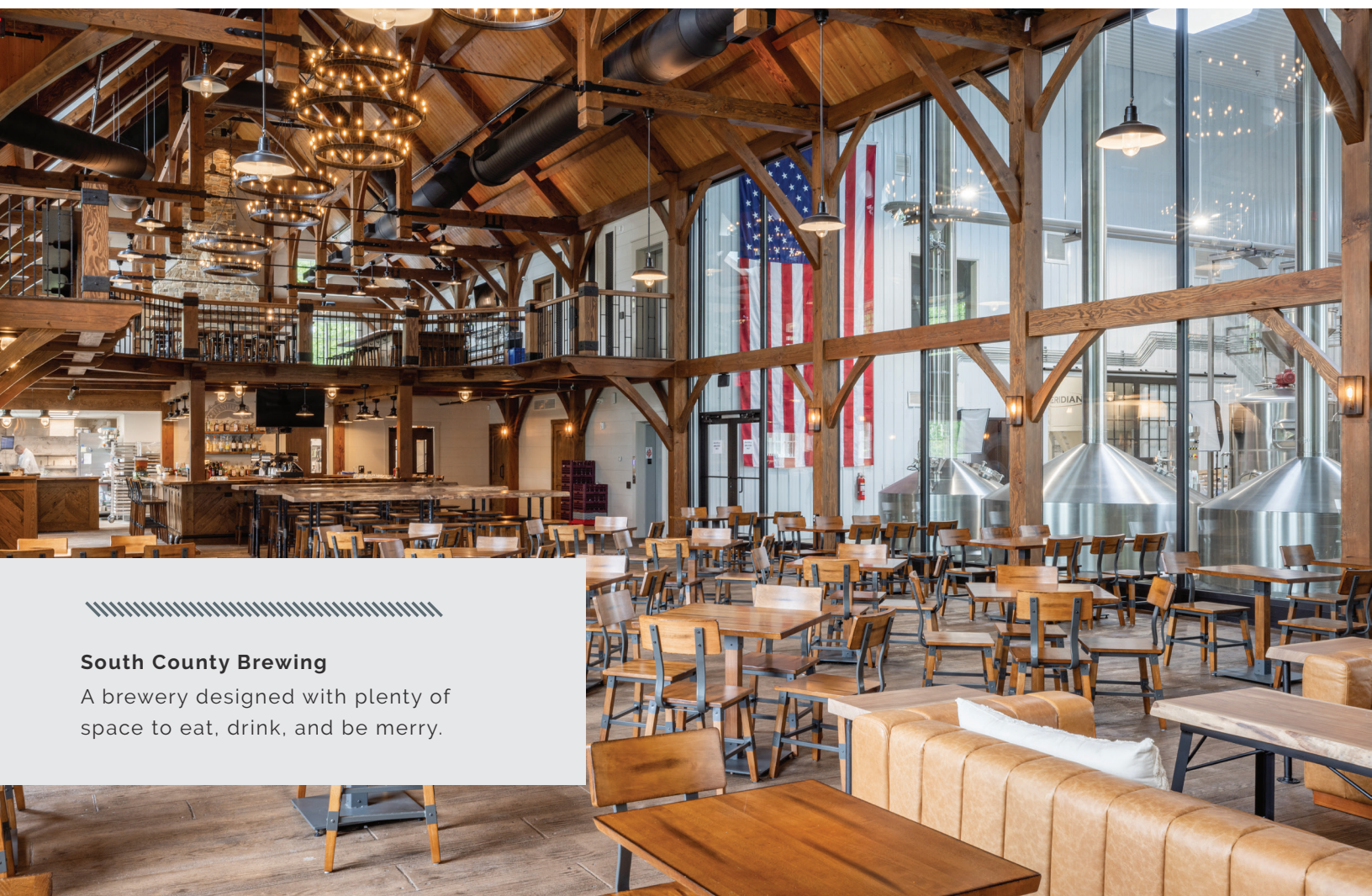
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South County Brewing

A brewery designed with plenty of space to eat, drink, and be merry.

INDUSTRY NEWS



Photo Credit: EQ Media



Still Standing After the Storm

In October, Category 4 Hurricane Ian brought heavy winds and torrential rain, destroying homes and other properties throughout Florida. In the midst of the devastation, we were grateful to see buildings that withstood the storm, including our timber frame pavilion at TerraNova Equestrian Center in Myakka City, Florida.

Timber frame structures can be designed and engineered to stand up to some of Mother Nature's most daunting challenges. By utilizing advanced CAD modeling software in tandem with the precision of our CNC machinery, we have the expertise to design high-performance connections that maintain a traditional aesthetic while also meeting the most demanding engineering criteria.

Timber Is Getting an Edgy Facelift

Wood is well-known for lending a traditional, rustic look, but three trends we're seeing in timber exteriors could change that reputation.

- 1. Urban-Modern Influences in the Multifamily Sector** Bold designs are replacing traditional styles to bring out a true urban feel in multifamily homes.
- 2. Modernizing Traditional Farmhouse Design** Darker colors, larger windows, and mixed textures and materials are replacing the white board-and-batten exterior of the traditional farmhouse aesthetic.
- 3. Edgy Exteriors** Vibrant colors are replacing neutral palettes, and mix-and-match materials (e.g., timber and metal or timber and glass) are inspiring unique style choices.



PROJECT SPOTLIGHT

South County Brewing Company



Architect Eldon R. Stoltzfus Architect

Builder B&D Builders

Location York, PA

Points of Interest

- Light-filled dining area
- Open mezzanine
- Outdoor covered patio

This impressive timber frame venue features an open, light-filled dining area, spacious mezzanine level, and inviting outdoor patio. An oversized stone fireplace adds warmth to the interior, filled with custom wood furniture and hand-forged iron details throughout. Vintage Millwork & Restoration crafted custom entry doors, railings, and a staircase for the brewery, all in white oak. During the day, natural light bounces off the wooden trusses and beams to create a relaxed and rustic atmosphere, while in the evening, a soft glow from the custom chandeliers delivers an unforgettable dining experience.





Oversized windows and floor-to-ceiling timber create a bright, inviting spot to gather with family and friends.

INDUSTRY HIGHLIGHT



Christopher Miller, AIA | John Milner Architects

Christopher Miller has worked as an architect for 33 years. He has a wide range of experience, but particular interest and expertise in new traditional and classical design, ecclesiastical structures, and additions and renovations within an historic context. Miller is a principal at John Milner Architects in Chadds Ford, PA.

What inspired you to become an architect?

Some of my early interests included woodworking, drawing, and art. A teacher in high school suggested that I should consider architecture, which combines all three. My first architectural project in high school involved developing a design for a geodesic dome building inspired by the work of Buckminster Fuller.

What is the most challenging request you've received from a client?

Installing a new elevator in Frank Lloyd Wright's Beth Shalom Synagogue, located just outside of Philadelphia, was quite the challenge. Many had tried and failed to find a suitable design approach to making this iconic, historic landmark accessible. We developed an alternative entryway with elevator in a rear spline, connecting all primary spaces in a gracious and hospitable way. The best compliment we received? "We can't tell you were ever there."

Which project are you most proud of?

Christ Church, Philadelphia. The phased project included restoring and stabilizing the Georgian brick tower and wood steeple and collaborating with organ builder C. B. Fisk to integrate a new pipe organ. The structural work included reinforcing and stabilizing the 18th-century heavy

timbers and replacing sections of diagonal bracing throughout the center section of the steeple and reinforcing it with steel. The church is a National Historic Landmark and was the tallest structure in Philadelphia well into the 19th century.

Where do you find design inspiration?

The design inspiration for my work often comes from knowledge gained by studying historic structures. Studying houses, barns, mills, places of worship, and other structures has taught me about craftsmanship, materials, and detailing. These experiences guide my design approach in restoring historic buildings and designing new buildings inspired by historic precedent.

What are your thoughts on designing with timber?

Timbers are integral features of many of the historic structures we study and work on, and we look for opportunities to incorporate antique and new timbers into structures we design. They combine the elements of a well-designed and beautiful building, including firmness and physical strength, delight and beauty, and wonderful detailing and finishing.

What do you think is the most interesting structure in the world and why?

If you appreciate the beauty of timber frame structures, there is none more interesting than the 12th-century Gol Stave Church at the Norwegian Museum of Cultural History in Oslo, an open-air museum with historic buildings relocated from surrounding rural areas. These buildings were the product of centuries of heavy timber boatbuilding experience in Norway.



Want to be our next Industry Highlight? Email Sam Ebersol | Samuel.Ebersol@MATFLLC.com



If you appreciate the beauty of timber frame structures, there is none more interesting than the 12th century Gol Stave Church in Oslo, Norway."

ASK AN EXPERT



How do you prepare an accurate quote for a timber framing project?

Communication with clients is key. There are a few basics I need to get started: a floor plan (including a transverse section and a longitudinal section, if possible), elevations, and either a verbal or written explanation of where timbers are expected to occur in the project.

Then we'll discuss specifications for the timber — which wood species to use, the surface conditions of the timber, and whether to leave its natural color or apply a stain. I'll also ask if any ancillary products are desired, such as roof SIP insulation or tongue-and-groove deck boards.

Bigger picture, I like to understand a client's expectations for three things. This can help guide decisions as we quote.

Bulk: Are we going for minimal visual impact? Or big and bold?

Beauty: Do you prefer simple lines or ornate design with a lot of detail?

Budget: What are the limitations on what you can spend?



Ron Weaver | Estimator

Ron's been around timber frame structures most of his life (he once lived in a 1700s farmhouse with a roof constructed of 12' x 12' timber ceiling joists) and started his career working for his father, a home builder. He has more than 30 years of construction estimating experience and has been certified through the American Society of Professional Estimators since 2000.

Ron.Weaver@MATFLLC.com

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TIMBERFRAMES
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Advancing the Art of Timber Construction

Mid-Atlantic Timberframes builds custom legacy homes and one-of-a-kind academic, agricultural, and commercial structures. Timber frame construction provides versatility that traditional construction methods can't match, for limitless 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 **MATFLLC.com**.