

# Mid-Atlantic

TIMBERFRAMES



# *Advancing the Art*





*of Timber Construction*



# CHOOSE MID-ATLANTIC TIMBERFRAMES

...And Don't Compromise



## Elegant

Warmth, beauty, and structural simplicity. Timber frame and mass timber buildings transcend mere functionality to become works of art.

When walking into a Mid-Atlantic Timberframes space, one's eyes are inevitably drawn to the ceiling, bolstered by our strong columns and soaring beams holding the roof high above your head. But for all its openness, a timber frame building never feels cold or harsh — instead, the wood brings comfort and warmth.

The balance of timber beams and rooms awash with natural light creates an atmosphere that steel and concrete structures just can't match. This airiness of useable space coupled with the robustness of its framing makes timber frame construction the perfect choice for homes, event venues, schools, churches, restaurants, airports, health care facilities, and other spaces where high ceilings and large windows are desired.



## Enduring

By choosing Mid-Atlantic Timberframes, you're engaging with the experts in heavy and mass timber frame fabrication. Our masterful team calls on decades of experience in crafting each piece, showcasing the spirit and beauty of the wood, and infusing every build with a timeless and inviting ambiance. Timber truly ties us with our past as we build for the future.

A meticulous attention to detail coupled with our focus on sustainable forestry practices creates structures that not only

harmonize with their natural surroundings but stand as lasting symbols of thoughtful and sophisticated architectural expression.

In choosing our materials, we source only the finest woods — and reject what doesn't measure up to our standards. For a building to endure the rigors of time and weather, it has to be built with strength, with intention, and with a commitment to the generations who will occupy the space in the years to come.

Let's build something that lasts, together.



# FROM TRADITIONAL TO CONTEMPORARY

Fine Craftsmanship Suits Any Style



## Natural Beauty

With variations in its color, tone, graining, and character, the choice wood we use for our timber provides a unique, natural look for any style of structure. When left unstained, the wood's palette brings a visually stunning characteristic that opens up a space, making it cheerful and inviting. When stained, the bold graining can be accentuated to create a refined, luxurious atmosphere.

Aesthetically, our fir and oak timbers give an authentic, rustic look and feel when kept exposed, inside and out. But what type of timber construction should be used? A project's architectural plans and local building codes will decree which type to utilize in most instances.



*Wood is universally  
beautiful to man.  
It is the most  
humanly intimate  
of all materials.*

*—Frank Lloyd Wright*

## Structural Versatility

Heavy timber (a length of timber from a single tree) gives large open spaces a familiar, traditional feel, as these massive beams are often seen in the support structure of old barns, churches, and warehouses built before the mid-20th century.

Mass timber is formed by joining layers of wood together to create a strong-as-steel material. The two most commonly used types are glued laminate for incredible load-bearing strength, and cross-laminated timber for use as panels for flooring, roofing, and exterior and interior walls. Although mass timber has recently surged in popularity, Mid-Atlantic Timberframes has been on the forefront of its use for decades.

Timber construction also has natural fire resistance. In the event of a fire, the outer portions of timber will char, creating an insulating barrier that protects its structural bearing capabilities. The National Fire Protection Association (NFPA) and the International Building Code (IBC) provide prescriptive information for heavy timber fire safety within their standards.

The resurgence and versatility of timber buildings has brought back a natural aesthetic to both traditional and contemporary new construction. Let the experts at Mid-Atlantic Timberframes help determine the best timber choice for your project.



## Commercial

Elevate your commercial building with the sophisticated style and contemporary advantages of timber frames and mass timber. Sustainable material sourcing, building speed, energy efficiency, and limitless customization options make them ideal building materials.



## Academic

In schools and on university campuses, an infusion of the natural warmth and beauty of wood beams and high ceilings transforms academic spaces into vibrant hubs that inspire creativity and foster imagination among students of all ages.



## Event Centers

Timber frame event venues provide a uniquely stunning aesthetic for weddings, parties, and corporate events. With open floor plans and high ceilings, timber framing offers a style that's worth celebrating, no matter the occasion.



## Equestrian

We're experts on timber structures for equine enthusiasts. Your horses deserve the best, and our team takes into consideration the specific needs of your animals, to create a barn, stables, or arena they — and you — will love.



## Residential

Embrace the freedom to incorporate open floor plans, innovative architectural features, and unique details. In the realm of residential building, the allure of timber beckons those seeking a harmonious blend of natural aesthetics, sustainable choices, and enduring warmth.

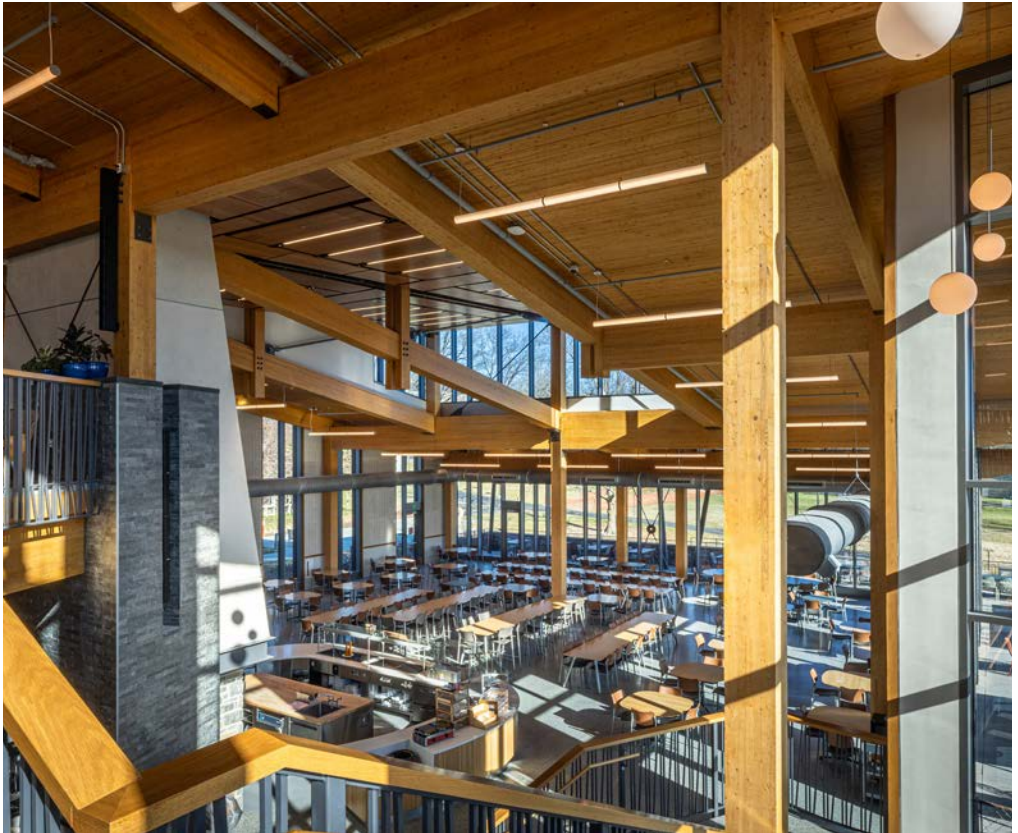






# GENERAL CONTRACTORS

Partnering for Shared Success



## Exceptional Quality

Mid-Atlantic Timberframes isn't just a timber company; we're the ideal partner for contractors and custom home builders.

With an unwavering commitment to superior craftsmanship and exceptional customer service, we communicate clearly and thoroughly with each member of the building team to ensure the quality of our work exceeds expectations.

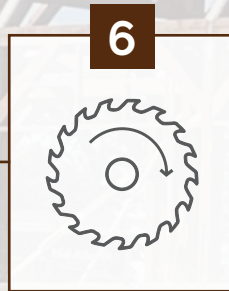
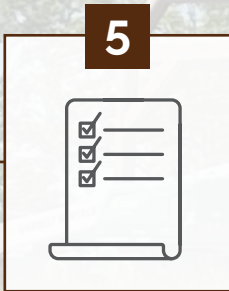
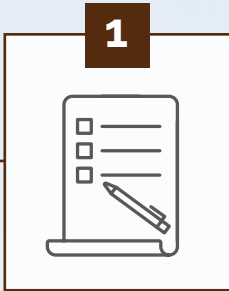
To ensure a flawless build, we recommend engaging our knowledge in the earliest stages of design and pre-construction.

Seeing the entire picture enables all parties to create a strong plan to complete a project, no matter its size.

Your success is our success, and our number one priority. And because we use the finest selection of timber combined with centuries-old techniques and the latest technology, our timber frames will remain naturally beautiful and structurally sound for generations to come.

# OUR PROCESS

No Detail Is Ever Overlooked



## 1 Proposal

From our very first interactions, we review your expectations to formulate cost estimates and a timeline. We then discuss and negotiate terms, budgets, and contracts.

## 2 Pre-Construction

With a contract now signed, the pre-construction phase begins. We evaluate the site's terrain, access, and logistical requirements, source materials, and work with the design team.

## 5 Project Management

The dedicated project manager monitors all aspects, communicating with you regularly to address concerns and ensure everything stays on schedule and within budget.

## 6 Production

We fabricate the timber components. Continual inspections are performed to uphold strict quality control standards, and any issues are addressed and rectified promptly.



3



4



7



8



### **3 Budget Management**

We create a detailed project budget for materials, labor, equipment, and contingency. Expenses are closely monitored throughout while seeking efficiencies.

### **4 Design**

Plans and blueprints are reviewed by a third-party structural engineer. We provide sealed drawings and calcs packages and obtain approvals from relevant parties.

### **7 Installation**

Installation teams are deployed, coordinating with other construction trades as necessary and ensuring adherence to safety protocols alongside regular inspections.

### **8 Finish**

We conduct a final inspection and walk-through with you to gather feedback and ensure your satisfaction.



# ARCHITECTS

Realizing Your Vision



## Your Design, Our Craftsmanship

Our reputation as an exceptional design partner began with our very first builds. In every project from our founding, we have ensured exacting precision with robust structural strength.

Our experience in the timber frame build sector will support your project in every way, from inspiration to installation. Architects regularly rely on the knowledge that our engineers and designers have accrued to help guide their designs and fulfill their clients' demands. Additionally, we offer continuing education courses to keep everyone in the industry up-to-date.

Working closely with Mid-Atlantic Timberframes from the earliest stages of your project is important. We welcome the chance to collaborate and provide guidance on layout, gridlines, and details to ensure a smooth process throughout the build.

We've built with timber for decades, and our masterful carpenters share generations of expertise to make each beam, each support, and each panel a functional work of art. Trust in our experience to bring your vision to reality.





# RESIDENTIAL

Live Beyond the Ordinary



## Sophisticated Style

Step into a new era of residential building where the timeless beauty of timber frames and the cutting-edge innovation of mass timber come together to redefine the art of home construction. At Mid-Atlantic Timberframes, we specialize in crafting residences that transcend the ordinary, offering a unique blend of fine craftsmanship, sustainability, and architectural excellence.

A timber frame home can incorporate a variety of exterior building materials and finishes, allowing it to match any style and fit any setting. There is flexibility to let some of the timber structure show on the exterior, but the interior is where your timber frame build can really shine. An open floor plan, exposed structure, and high, expansive ceilings are just a few of the amazing design features of a timber frame home.



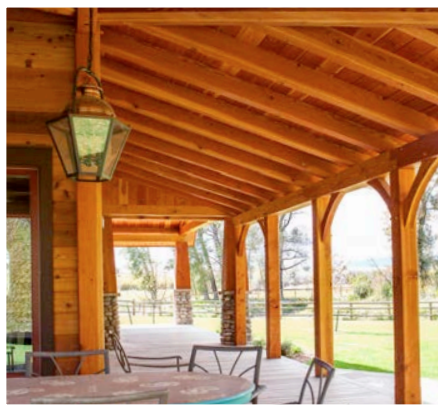
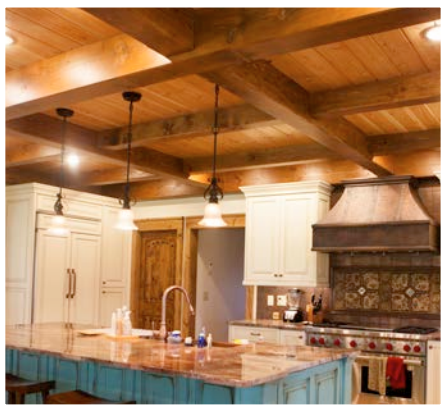


## Craftsmanship That Lasts

Durability is the cornerstone of a well-built home. Our timber frame residences are not just about attractive aesthetics; they are designed to withstand the tests of time.

Heavy timber construction is joined together by traditional mortise-and-tenon joinery to form a structural support that doesn't require load-bearing walls. Although it has a lower density when compared to traditional building materials, wood possesses an excellent strength-to-weight ratio, making the structure lighter, yet stronger.

A home isn't just a residence; it's a legacy, designed to withstand the rigors of time while providing a sanctuary of comfort and beauty. Join us in building a home that lasts, crafted with passion, precision, and an unwavering commitment to enduring excellence.



# COMMERCIAL

Supporting Sky-High Aspirations



## Built for Business

In the realm of commercial architecture, the choice of construction materials plays a pivotal role. Timber has emerged as a versatile and transformative choice, from the hospitable ambiance of community gathering spaces to the dynamic settings of restaurants, event venues, and educational institutions. Create an environment that not only reflects your business but also resonates with all those who enter. Mid-Atlantic Timberframes stands as a reliable partner equipped with the knowledge and expertise to bring your unique vision to life.

Whether you're an architect designing a space that seamlessly blends nature with contemporary design, an engineer seeking structural resilience and seismic performance, or a builder aiming for efficiency and cost-effectiveness, our team is ready to collaborate on your next timber construction project.





## Features to Match Your Ambitions

Timber's unique qualities of durable structural and dimensional support, energy efficiency, and sound absorption make it perfectly suited for commercial builds of all sorts. Not only do timber buildings present a timeless aesthetic appeal, but timber frame and mass timber construction methods often lead to faster building times, translating into cost savings. The efficiency of prefabrication and ease of assembly can result in reduced labor costs and quicker project completion, allowing businesses to occupy their spaces sooner. In addition, the strength, versatility, and durability of timber allows for large, open floor plans. Thanks to timber frames' ability to span long distances, fewer interior walls are needed to support the building itself.

Timber builds possess excellent thermal performance due to timber's natural insulating properties. Timber-framed and mass timber structures can reduce heating and cooling costs, resulting in long-term operational savings for businesses. Additionally, timber has a stronger sound-dampening capacity than most commercial building materials. The natural acoustic properties of timber frames prevent and control excessive echoes, reducing the transmission of vibrations through the absorption of sound waves and thus providing an acoustically pleasant commercial building solution.





# INCREASED ENERGY EFFICIENCY, REDUCED NOISE

Making a Warm, Welcoming Space



## Insulated Prefab Panels

In conjunction with our heavy timber and mass timber beams, using structural insulated panels (SIPs) in your project will greatly improve the sustainability and insulating aspects of the structure.

SIPs are prefab panels that consist of two sections of oriented strand boards (OSB) sandwiching expanded polystyrene (EPS), graphite polystyrene (GPS), or polyurethane (PUR). This provides excellent thermal insulating over traditional wood 2x6 framing and can lower energy costs by up to 60%. Furthermore, thanks to fewer assembly joints, the material as a whole keeps outside air at bay, offering better temperature retention and indoor air quality.

Reflected sound and echoes in large spaces are also greatly reduced by SIPs, making conversations and music easier to hear. Moreover, the panels' prefab nature makes faster construction possible, with far less on-site construction waste than a traditional build and fewer on-site man hours needed, resulting in less traffic into and out of the site. Tax credits and environmental certifications may be realized for their use as well.



### Structural Insulated Panel

OSB sheathing and expanded polystyrene EPS/GPS or polyurethane ensure a structurally sound and energy-efficient building.

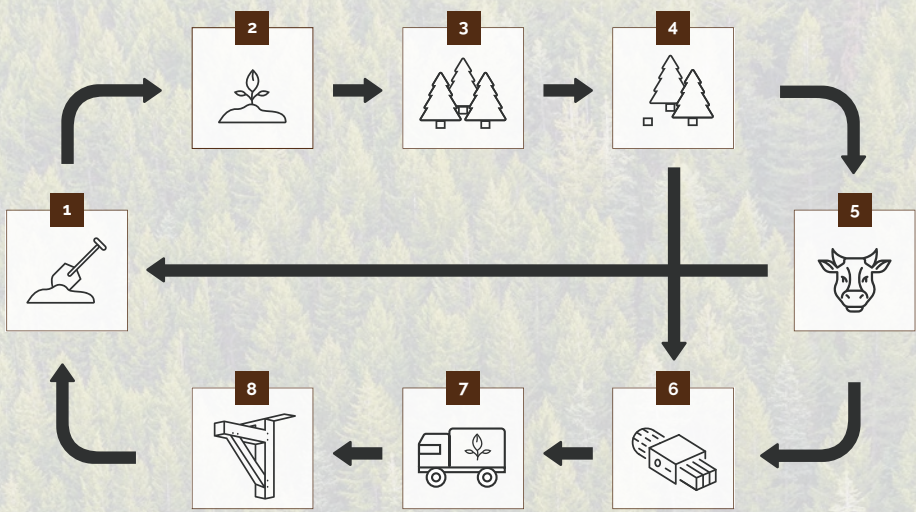
# SUSTAINABILITY

Our Unyielding Commitment



## The Cycle of Sustainability

Mid-Atlantic Timberframes is proud to be certified by the Forest Stewardship Council® (FSC® C164575) and is committed to using wood only from responsibly managed forests in the United States and Canada. For each tree our suppliers cut down, they plant as many as ten in its place. It's important to us to contribute to this cycle of sustainability, from seed to sawdust and back again.



- 1

Seeds are planted in managed forest areas.
- 2

From their earliest stages of growth, the trees are carefully monitored.
- 3

As trees grow, they absorb carbon dioxide from the air, sequestering it from the environment for the entirety of their life cycle — and beyond as timber framing.
- 4

Responsible harvesting takes only the trees that are needed.
- 5

In our mill, the wood is reduced, and all sawdust waste is sold to farms for animal bedding or to be mixed with manure for fertilizer.
- 6

The wood is crafted into beams, panels, and columns.
- 7

The timber frames are transported to the building site. Thanks to their light weight versus steel, fuel efficiencies are achieved.
- 8

Installation is simplified due to the basic joinery of the timber pieces. Fewer man hours are required, further reducing our carbon impact.



For more information about Mid-Atlantic Timberframes,  
scan the **QR code** or visit **MATFLLC.com**.



# BAÜEN

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## UNLIMITED

**Every project is an opportunity  
to create something extraordinary.**

Mid-Atlantic Timberframes is part of the Baüen Unlimited family of custom build brands. Together, our single purpose is to create the highest-quality structures, components, and materials for the upscale construction market.

For more information about Mid-Atlantic Timberframes, visit **MATFLLC.com**.

Discover the Baüen Unlimited family of brands at **BauenUnlimited.com**.