

TIMBERPEG[®]

The Artisans of Post & Beam.

timberpeg.com

TIMBERPEG®

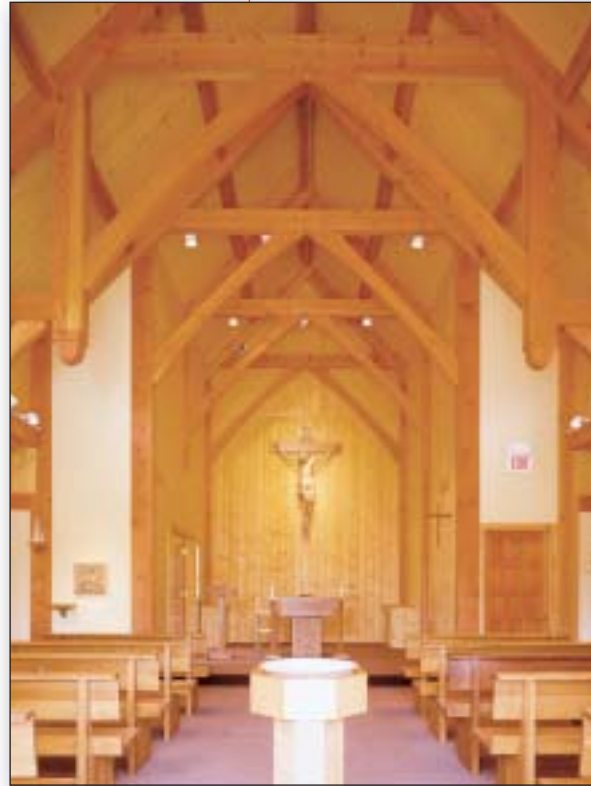
The Artisans of Post & Beam.

PROJECT:
HERMITS OF CARMEL
ARCHITECT: EDWARD S.
MILLER, AIA

Timberpeg® is a national company with four sales offices and Independent Representatives across the United States. No matter where you are located, local technical assistance is only a phone call away. Since 1974 Timberpeg® has been offering timber framing solutions to architects, designers, builders and individuals. Over the years we have designed and produced thousands of true mortise and tenon timber framed structures for satisfied customers. We look forward to working with architects on their projects, whether residential or commercial. In fact, dozens of architects have chosen the **TIMBERPEG®** brand for their own homes.

Timberpeg® uses the highest quality components available, including Select Structural grade Douglas fir and eastern white pine timbers. We precut traditional mortise and tenon frames, and ship them with the exterior building shell components to sites across the country and abroad. The **Timberpeg®** package includes structural insulated panels (SIPs) for the wall enclosure and features our vented “Wrap & Strap” system with tongue and groove panels for the roof enclosure. (SIPs as a roof enclosure and “Wrap & Strap” as a wall enclosure are available upon request but are not considered part of the standard **Timberpeg®** package.) **Timberpeg®** has a modular framing system, but also produces many custom frames, bent-style structures and trusses. In fact, our framing solutions are only limited by the capacity of the timber and your imagination.

The best way to begin is to contact your local Independent Representative or **Timberpeg®** directly at 800-636-2424. Our architect-led design staff includes a structural engineer. We will review your initial concepts and return a feasibility analysis at no charge. If you decide to use our expertise, there is a Design Deposit which will cover designing the building or framing, and providing a cost estimate and projected date of delivery.



COVER:
KEEFE RESIDENCE
ARCHITECT: DENNIS H. KEEFE

PROJECT:
JEWELL LODGE
ARCHITECT: SUSAN MAXMAN, FAIA



PROJECT:
KEEFE RESIDENCE
ARCHITECT:
DENNIS H. KEEFE



PROJECT:
NANTUCKET
NEW SCHOOL
ARCHITECT: WILLIAM
MCGUIRE, AIA



PROJECT:
LEAMAN RESIDENCE
ARCHITECT:
TOM SAMYN, AIA



PROJECT:
ST. EDMUND'S RETREAT
ARCHITECT:
DENNIS H. KEEFE



PROJECT:
ANGELLINI RESIDENCE
ARCHITECT:
CRAIG THRESHIE, AIA



PROJECT:
HERMITS OF CARMEL
ARCHITECT: EDWARD S.
MILLER, AIA



PROJECT:
HABER RESIDENCE
DESIGNER:
JAMES DRIESCH



PROJECT:
TEMPLE SHIR SHALOM
ARCHITECT:
MICHAEL ERTEL, AIA

SPECIAL SERVICES

- Complimentary review of framing choices.
- Suggestions for framing choices.
- Custom frames and trusses to your requirements.
- 3-D Views of frames for review.
- Local technical assistance.
- East & West Coast production facilities.

PRODUCT FEATURES

- Traditional true timber framing in Douglas fir, eastern white pine or recycled material. Kiln-dried and other species available on request.
- Choice of common rafter or bent-style framing.
- Vented walls and roofs for maximum durability.
- Choice of "Wrap & Strap" or structural insulated panels.
- All Andersen® and Loewen® doors and windows available.
- Wide variety of premium siding and roofing options.
- State of the art manufacturing combined with hand crafted attention to detail.

Wood Joinery Types

Traditional mortise-and-tenon joinery is at the heart of every Timberpeg® design. The centuries old technique of joining timbers secured with oak pegs is the primary fastening system. Housed tenon, bird-mouth, shouldered, fork & tongue, dovetail, scarf joints and splines are but a few of the more common joinery techniques used.

Concealed Metal Fasteners

Occasionally, we may use pre-installed and concealed bolted timber connections when engineering requirements suggest that a wood-to-wood connection would be marginal. Concealed steel straps are embedded in a pre-routed slot to connect principal connections and tie downs to the foundation. Rafters are secured to plates and purlins with OMG brand screws. Our overriding goal is to provide you with the most secure timber frame that will withstand the test of time without exposed metal fasteners, which we feel take away from the natural beauty of the timber frame.

Timber Species

Our vast experience with various species tells us that frame stability is of paramount importance. Therefore, we have chosen eastern white pine and Douglas fir as our primary materials to fashion our frames. High quality Douglas fir and eastern white pine are the most stable green materials we have ever used, offering our customers a superior frame that will endure for generations. Other species are available upon request including recycled and kiln-dried.

Timber Framing Techniques

Timberpeg® designs and manufactures both "Traditional" and "Bent" style timber frame systems. Occasionally, we incorporate both styles into the same structure. Only after a careful analysis of your space requirements can we offer you our opinion as to which style will be most effective for your particular needs and budget.

Traditional - A common rafter system running from eave to ridge supported by a ridge beam or a series of purlins. Traditional rafter systems are most flexible in design by allowing the vertical support posts to be placed virtually anywhere along the support line. Aesthetically speaking, our customers tend to prefer this technique, which allows the roof decking to run from gable to gable.

Bent-Style - Oversized primary bent frames with purlins running parallel to the ridge of the building. While "bent" framing is perhaps the oldest form of timber construction, it does have its limitations. Primarily, a bent style frame requires a higher skill level to erect and there are the added costs of having a crane on site to lift each bent into place. Unlike the traditional common rafter system, posts in a bent system must align with the bent. Therefore, post locations in the floor plan are not as flexible as with a traditional timber frame system.

Truss Designs

Timberpeg® has produced a wide variety of custom trusses including hammer beam, king and queen posts, scissors, and Howe trusses. We will custom design and engineer a truss according to your initial sketches or plans.

Architectural and Shop Drawings

Timberpeg® offers the most comprehensive design package in the industry by providing 1/4" scale CAD floor plans, elevations, building sections, 3-D frame drawings, foundation drawings, thermal performance calculations, frame, wall, roof, siding and trim installation details for each of our designs.

Windows, Patio Doors, Skylights & Roof Windows

Timberpeg® offers two, 'name brand' manufacturers offering the highest quality windows and doors available; Andersen® and Loewen®. Their attention to high quality manufacturing standards and outstanding field service assures you of the highest performing, maintenance free windows and doors for your new home at competitive prices.

STANDARD TIMBERPEG® COMPONENTS

**Supplied by others*



1. Eastern white pine or Douglas fir timber frame with all joinery
2. 2" x 8" tongue-and-groove for the decking/ceiling finish

Wall Materials

3. Drywall*
4. 6-1/2" EPS structural insulated panels for exterior wall enclosure
5. Felt paper*
6. Drainage plane material
7. Andersen® High Performance or Loewen® Heat Smart windows and doors
8. Clear vertical grain cedar bevel siding (other options available)
9. Aye & better grade Western red cedar or PVC trim

Roof Materials

10. 1" x 8" or 2" x 8" tongue-and-groove decking
11. 1/2" layer of exterior grade plywood when required by code*
12. 6-mil polyethylene vapor barrier*
13. Blocking at perimeter of roof for nailing on fascia trim
14. 4" of Polyisocyanurate foam insulation (higher R-values can be designed with thicker insulation layer)
15. Double layer of 1" x 4" strapping for roof enclosure and venting
16. 5/8" exterior grade plywood*
17. Felt paper*
18. Architectural grade composition shingles

Wrap & Strap

The Timberpeg® Wrap & Strap system has been used for more than 30 years at Timberpeg® and is the standard roof enclosure for our package. Although it is not part of the standard Timberpeg® package, Wrap & Strap is an option for wall enclosures for individuals that like the look of western spruce tongue and groove walls. By providing vented walls and roofs, this system provides maximum durability and incorporates a drainage plane to permit natural removal of any condensation. Wrap & Strap wall and roof systems also include multiple air and vapor retardant barriers to prevent moisture migration through the walls or roof. Finally, the system features modular spacing which minimizes waste on site and helps to make the use of materials as cost effective as possible.

Structural Insulated Panels (SIPs)

SIPs are the wall enclosures that come with the standard Timberpeg® package. However, SIPs are also an option for roof enclosures for individuals who do not want western spruce tongue and groove on their ceilings. SIPs are wall and roof panels made with two layers of Oriented Strand Board (OSB) with an insulating core made of EPS (Expanded Polystyrene) or XPS (Extruded Polystyrene) foams. These panels are available in sizes from 4'x 8' to 8'x 24'. As with all Timberpeg® components, we use the best quality panels available from leading manufacturers.

Multiple Siding & Roofing Options

Timberpeg® offers several outstanding siding and roofing material options to give your new home the personal character you seek. Our high quality cedar siding, trim and roofing material is the Timberpeg® hallmark signature in the industry that distinguishes Timberpeg® from all other manufacturers. Regardless of the architectural statement you choose, your home will be the envy of the neighborhood.

Embellishments

Timberpeg® welcomes your individual creativity by providing chamfered posts and girders, custom carvings, drop pendants, gunstock posts, oak splines, and more at your request.

see us at
Sweets.com

TIMBERPEG®

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