

Martin Braia Rodriguez
Drafting & Design

Portfolio 2026

Martin Braia Rodriguez

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With 18 years of hands-on experience in construction, Martin brings a practical, field-tested perspective to drafting and design. His work has spanned every stage of building—from site planning and conceptual layout to excavation, framing, and finish carpentry. This depth of experience allows him to anticipate field conditions early and translate construction realities into precise, buildable drawings.

He grew up working in the trades performing physically demanding tasks—digging, building, and solving problems on active job sites. That foundation instilled a deep respect for the craft of construction and for the people who execute it. It continues to shape how he approaches design: with a working understanding of tools, materials, sequencing, and constructability. In his practice, manual labor is not separate from design—it is the lens through which he produces clearer and more effective documentation.

He specializes in residential construction and custom homes, integrating structural, mechanical, and civil principles with detailed drafting and coordination. His work bridges the gap between design intent and construction execution, helping project teams move forward with confidence.

His expertise has been developed through years of applied experience. He brings professional proficiency in CAD, Revit, and construction documentation—producing drawings that meet industry standards and are grounded in real-world constructability.



Work

Trademark Services LLC - Martha's Vineyard, Massachusetts Tradesman x Draftsman x Designer | 2013 – 2019

Overview:

Progressed from tradesman to designer within a full-service design-build firm, gaining a deep understanding of both construction and design workflows. Work spanned residential and commercial projects, including those within historic districts with strict zoning and regulatory constraints.

Field Experience & Construction

Structural concrete, carpentry, roofing, heavy equipment operation, and utility installation

Developed a practical understanding of construction sequencing, materials, and methods that informs design and documentation

Coordinated field work and design decisions to support constructability and efficient build-out

Drafting & Design

Produced residential and commercial architectural drawings, CAD/BIM models, and project documentation

Executed design detailing and layout work for interior and exterior assemblies

Client Engagement & Design Development

Collaborated directly with clients to understand programmatic needs, develop concepts, and refine proposals

Led design presentations and project updates, translating technical information into clear visual narratives

Municipal Approvals & Historic Districts

Assisted with preparing and presenting projects to town boards, including Zoning Board of Appeals (ZBA), in towns with strict historic district regulations

Under supervision of a licensed design professional, managed local zoning research, code reviews, and adherence to historic preservation guidelines to align design intent with regulatory requirements

Disaster Relief Organization (Name Withheld by Request) - Puerto Rico
Tradesman x Site Forman | 2018 (3 months)

Overview:

Worked as a site foreman on residential reconstruction projects in Puerto Rico following Hurricane Maria. Directed structural repairs to damaged buildings, including reinforced concrete bond beams and new roof systems.

Led volunteer labor crews and coordinated field work under resource-limited conditions

Adapted construction activities to irregular existing structures and damaged building envelopes

Ensured safe execution and quality control during concrete placement and structural carpentry work.

Moment Drafting & Design
Founder x Designer | 2019 – Present

Overview:

Founded an independent drafting and design practice providing technical drawings and documentation for design professionals, contractors, and fabricators. Work focuses on translating design intent into clear, buildable information.

Produced construction drawings, shop drawings, 3D models, and project documentation for licensed professionals and builders

Collaborated with contractors and fabricators to refine details, resolve constructability issues, and improve coordination

Served as a technical bridge between concept design and on-site execution, ensuring clarity and efficiency throughout the build process

Nonprofit Corporation (Name Withheld by Request) – New York
Heavy Equipment Operator x Project Coordinator x Compliance | 2019 – 2026

Overview:

Worked across multiple operational roles supporting civil infrastructure projects for a nonprofit organization. Performed excavation and utility installation in the field while also coordinating logistics, crews, budgets, and compliance requirements.

Civil & Site Operations

Installed underground utilities including potable water, gas, sanitary, and sewer systems

Operated excavation equipment for trenching, backfilling, grading, and site preparation

Managed concrete batch plant operations, including mix design, QC, and delivery scheduling (NRMCA certified)

Conducted compression strength testing to verify concrete performance and compliance with design specifications (ACI certified)

Project Coordination

Oversaw on-site crews, schedules, logistics, and budgeting for maintenance and infrastructure projects

Coordinated with contractors, vendors, and stakeholders to align resources, sequencing, and safety requirements

Compliance & Regulatory Exposure

Completed a structured compliance rotation supporting documentation, reporting, and regulatory adherence, with a focus on ensuring organizational activities remained within authorized legal and operational scope.

Certifications & Licenses

ACI Concrete Strength Testing Technician
 UDigNY Certified Excavator
 NRMCA Plant Manager
 New York State Commercial Driver's License - Class A - (N)(W)
 New York State Emergency Medical Technician
 NREMT Emergency Medical Technician

Software & Tools

Design & BIM	Revit SoftPlan
Documentation & Visualization	Bluebeam Illustrator Photoshop InDesign
Scheduling & Coordination	Microsoft Project Microsoft Office Suite

Field & Technical Skills

Structural & Concrete Work	Structural concrete (forming, placing, finishing) Concrete mixer truck operation Batch plant operation
Carpentry & Assemblies	Structural framing Casework and cabinetry Roof systems Finish carpentry
Civil & Site Work	Asphalt paving Excavation and trenching Grading and drainage Underground utilities Material handling and transportation

Equipment - Operational Hours

Kubota KX057-5	1500 hours
CAT 320	350 hours
CAT D5	300 hours
CAT 140H	200 hours
Kubota SVL-97	350 hours
Hydrema 912 G	300 hours
Mack GU713	200 hours
International 5600i Mixer	100 hours

ACI Concrete Strength Testing Technician

MARTIN B RODRIGUEZ

Certification ID #02186864
Expires on: 10/21/2027



Verify at
CheckACI.org



Certificate of Completion

This certificate is awarded to

Martin B. Rodriguez

For participating in the National Ready Mixed Concrete Association's

Plant Manager Certification Course

Charleston, South Carolina
December 10 - 12, 2024

Deborah Malone
Chief Operating Officer

Certificate of Completion

This certificate is awarded to:

Martin Rodriguez

For successfully completing the certificate requirements as defined by UDig NY on the topic of:

Certified Excavator Program

Issued: 12/29/2025
Expires: 12/30/2030
Continuing education requirement is due every year

Kevin Hopper



01 | Monitor Barn
Martha's Vineyard, MA



02 | Post & Beam Residence
Martha's Vineyard, MA



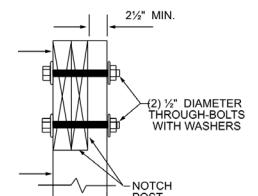
03 | Contemporary Farm House
Stowe, VT



04 | Garage
Stowe, VT



05 | Details



01 | Monitor Barn
Martha's Vineyard, MA

This barn was designed for a tradesman on Martha's Vineyard who, after recently starting a family, needed a shop space that was both highly functional and beautiful. The intent was to create a workspace that could serve his business while maintaining the flexibility to partially convert into an accessory dwelling unit in the future. This dual-use concept guided many of the early decisions, as natural light, ventilation, and spatial hierarchy had to support both modes of use.

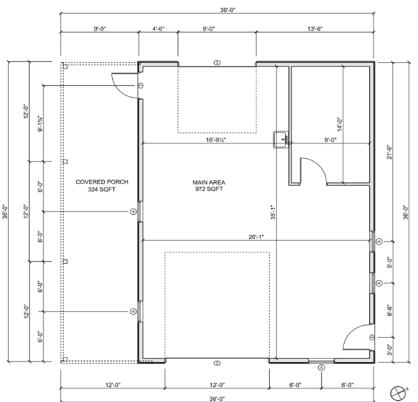
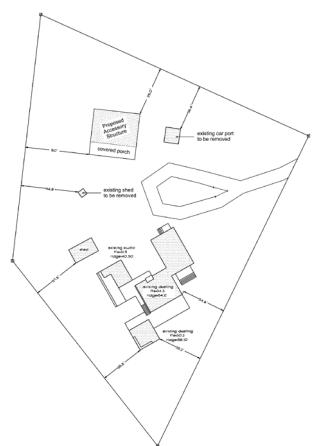
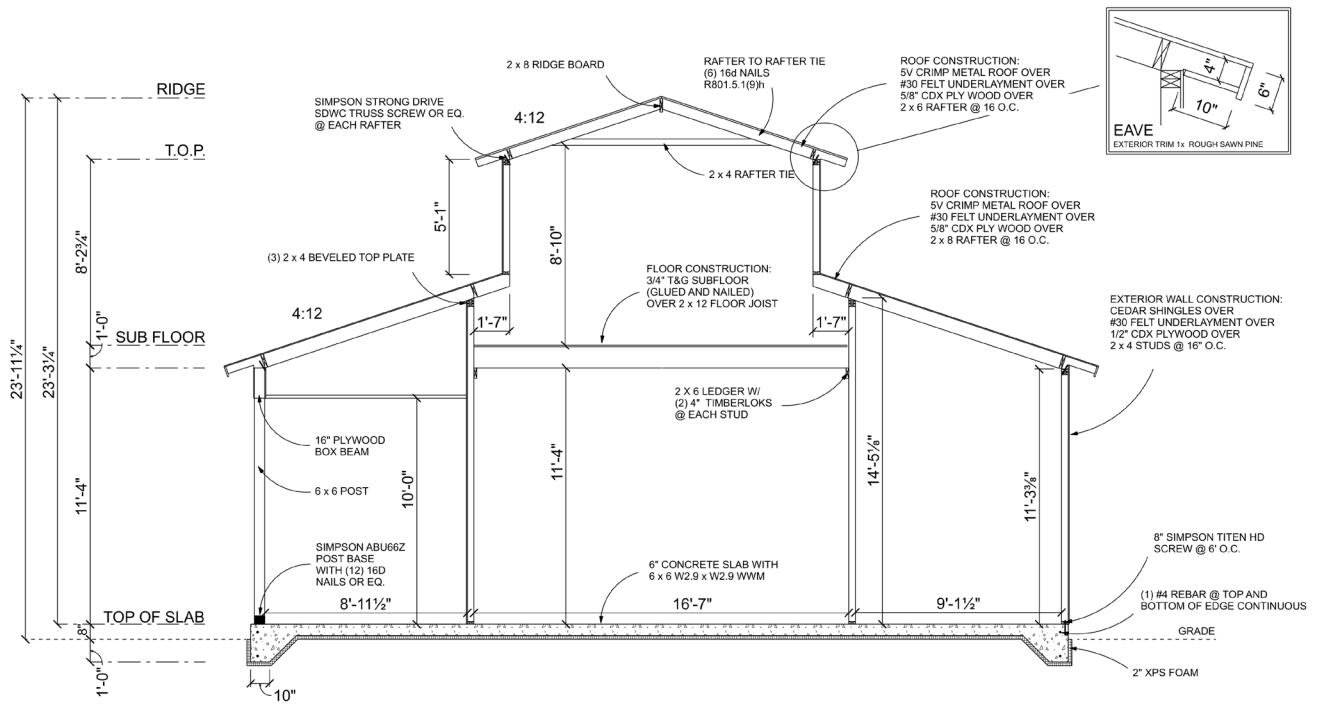
The building takes its cues from the traditional monitor barn—long a staple of agricultural structures—but adapted the to a contemporary island context. The raised monitor volume introduces light into the center of the plan, while the south-facing side opens into a covered portico, providing shaded outdoor work area and weather protection for material handling.

Site and regulatory constraints dictated that the footprint not exceed 36' x 36'. Working within that boundary, the plan was organized to accommodate both a functional workshop layout and a future living configuration without inflating the envelope. The structure itself reflects this logic as well: the building is stick framed and built on a 6" slab-on-grade with a thickened edge. The portico is framed using a box-beam design for strength and visual lightness, while the monitor employs a cantilever detail to minimize visible vertical supports and preserve the interior clearance needed for equipment and tool workflows.

Together, these decisions produced a building that feels grounded in the practical realities of a working tradesman's life—durable, adaptable, flexible, and understated—while still offering the possibility of domesticity and warmth in the years ahead.



01 | Monitor Barn
Martha's Vineyard, MA



02 | Post & Beam Residence
Martha's Vineyard, MA

Designed by a post-and-beam framer on Martha's Vineyard, this project pairs a classic New England cape with traditional timber frame construction while incorporating contemporary building systems. Structural insulated panels (SIPs) form the enclosure and provide high thermal performance, energy efficiency, and ease of installation on a coastal site.

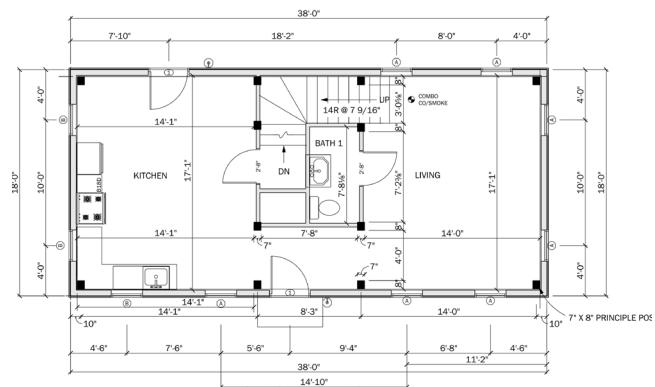
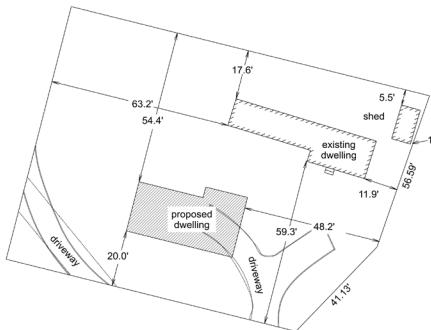
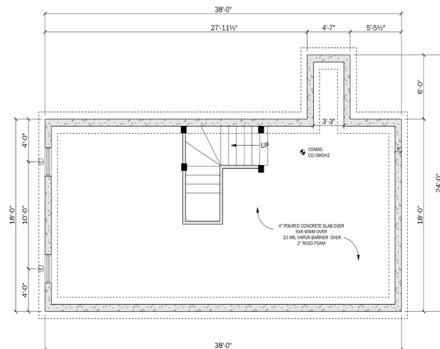
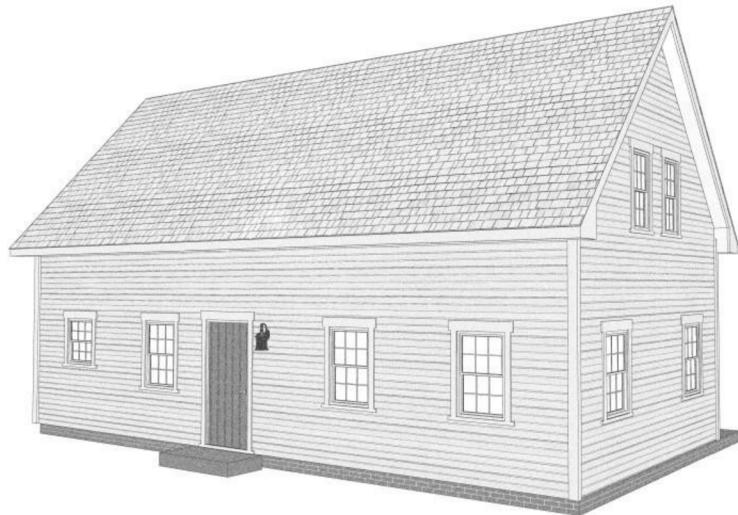
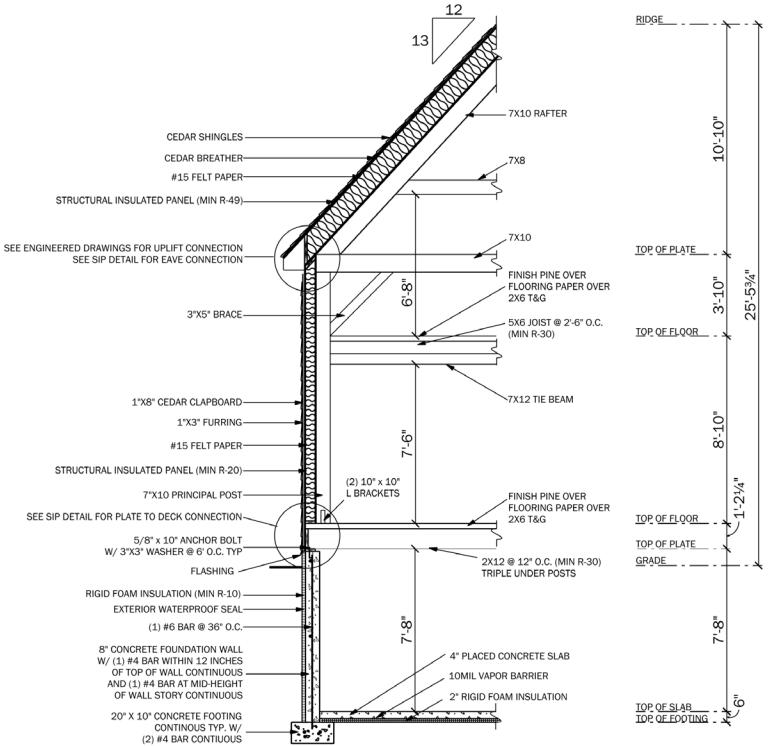
Several constraints shaped the building's form and organization. Budget and zoning limitations influenced both the footprint and overall height, resulting in a compact two-story building that maintains a time-honored profile. These parameters prompted design decisions to maximize spatial efficiency, including a winding staircase that conserves interior square footage without compromising circulation.

The post and beam construction dictated specific load paths within the building, requiring careful placement and coordination of bearing elements relative to the layout. The models and documentation produced supported the resolution of these conditions, ensuring compatibility between the timber frame, SIP enclosure, and interior program.

The result is a house that aligns traditional craft with modern building science—marrying familiar regional character with improved performance, longevity, and constructability.



02 | Post & Beam Residence
Martha's Vineyard, MA



03 | Contemporary Farm House
Stowe, VT

This modern farmhouse proposal adapts classic Vermont agricultural forms to contemporary residential use. Traditional barn-inspired massing is combined with modern elements including expansive glazing, a standing-seam metal roof, and a generous elevated deck that frames views toward the surrounding landscape.

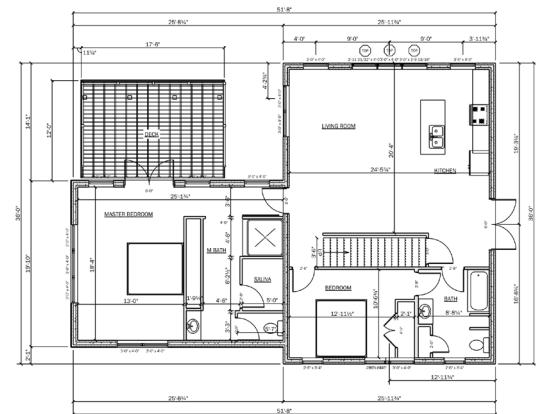
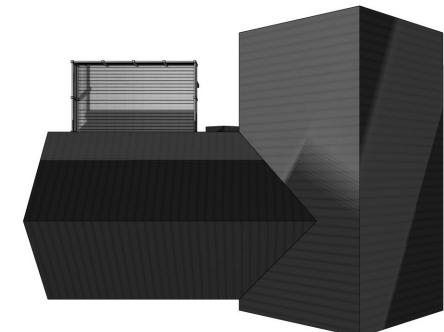
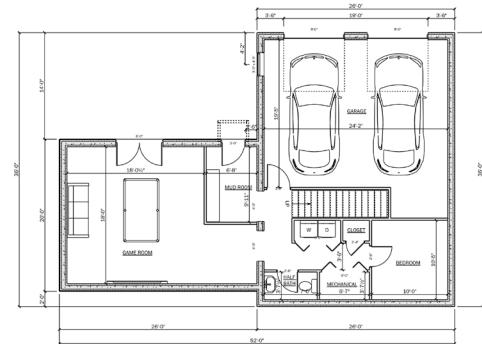
The 2,400 square foot design includes three bedrooms, two and a half baths, a large garage/workshop, a game room, and a home spa with sauna. The interior configuration supports both family living and recreational use, with workshop and storage functions located at grade and primary living spaces oriented to capture natural light and views of the Green Mountains.

The structural system pairs an insulated concrete form (ICF) foundation and first-story walls with conventional stick framing above, providing enhanced energy performance, durability, and improved constructability in a cold-climate region. Large window groupings and wide door openings introduce light and openness while maintaining the proportions and simplicity associated with New England farm structures.

Digital modeling and planning studies supported the design effort, enabling visualization of massing, glazing strategies, and interior layouts prior to full construction documentation. Although the project did not proceed to permitting, the resulting material demonstrates how traditional regional forms can integrate with contemporary building systems and amenities.



03 | Contemporary Farm House
Stowe, VT



04 | Garage
Stowe, VT

Located in Stowe, Vermont this garage was designed to reference regional farm and outbuilding forms while accommodating a modern double vehicle bay and future residential use above. A simple gable form, vertical siding, and limited detailing keep the structure consistent with local agrarian building traditions while larger openings and contemporary garage doors introduce a more modern expression.

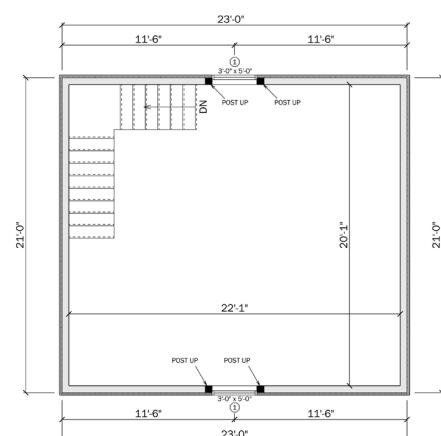
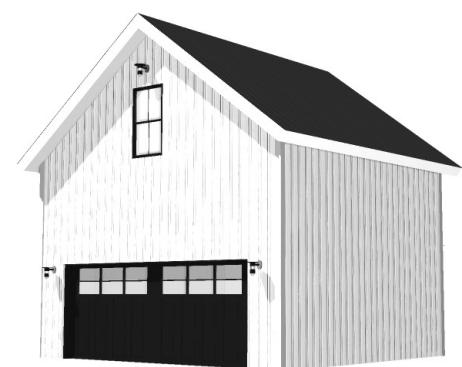
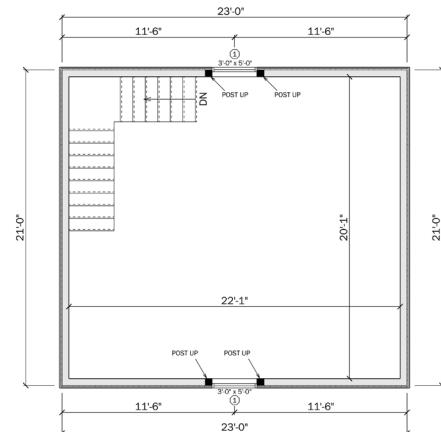
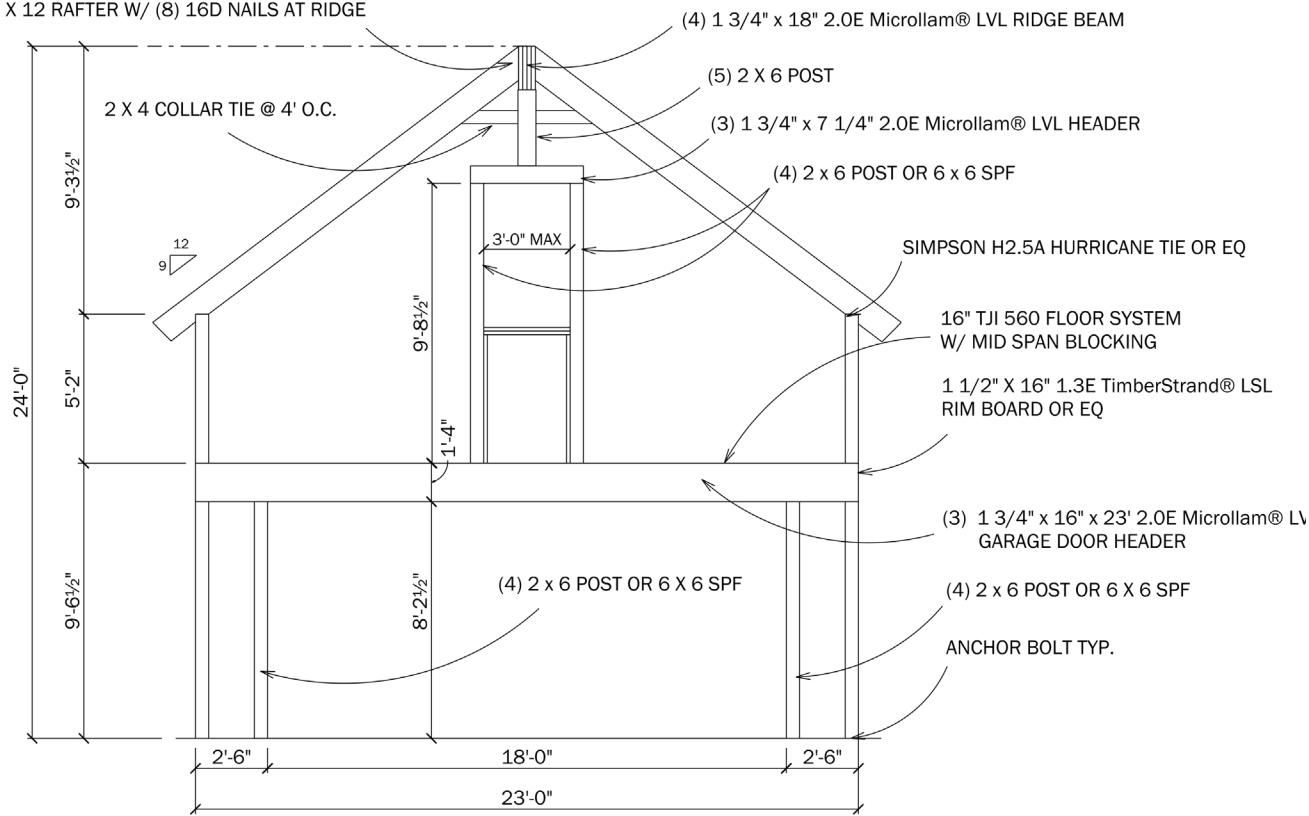
The plan includes a two-bay ground-level garage and an unfinished upper level planned for future conversion into a small studio. The structural design supports this flexibility: a 16" engineered Microllam LVL beam spans the full garage door width to maintain a wide opening and a 16" TJI 560 floor system provides a clear span without interior posts or beams. This approach preserves usable floor area at the ground level and simplifies future planning for the upper space.

The result is a building that balances functional demands with familiar regional forms—simple, adaptable, and built to accommodate both current use and future possibilities.



04 | Garage
Stowe, VT

2 X 12 RAFTER W/ (8) 16D NAILS AT RIDGE



Clear detailing in architectural and structural drawings is critical to ensuring that design intent becomes buildable. Good details communicate how materials and systems integrate, how loads transfer, and how weather is managed—reducing ambiguity in the field and minimizing mistakes.

Because many drawings are produced at a distance from the job site, construction assemblies are often represented abstractly. Field experience assembling buildings from the ground up—pouring concrete, framing walls, setting beams, and coordinating trades—builds an intuitive understanding of how components connect in real space. This insight informs drawing and detailing in a way that is difficult to attain otherwise.

Detailing with an understanding of how assemblies are actually constructed results in drawings that are technically accurate and immediately legible to the trades who must execute them. This improves coordination between architects, engineers, and builders and streamlines construction.

