



# **CONSULTING STRUCTURAL ENGINEER, INC.**

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## **BRIAN A. WALSH, P.E.**

Mr. Walsh owns and serves as the Managing Director of the firm. Specializing in a range of building design projects including residential, commercial/retail, mixed use and industrial facilities as well as additions, complex renovation, and re-use projects for existing structures. Experienced and skilled in both conventional and fast-tracked project delivery methods, Brian's strong collaboration skills are valuable to a project team. Additionally, Mr. Walsh has conducted numerous forensic investigations relating to structural damage from a variety of events including flood, fire, wind and general structural overload.

Mr. Walsh is continually building on 25 years of experience in developing structural solutions for a wide range of clients.

### **EDUCATION:**

Bachelor of Science, Civil Engineering, University of Massachusetts, Amherst, MA

### **PROFESSIONAL QUALIFICATIONS AND AFFILIATIONS:**

Licensed Professional Engineer / Structural:

Massachusetts, New Hampshire, New York, Vermont, Maine

Structural Engineers Association of Massachusetts (SEAMass)

### **REPRESENTATIVE PROJECT EXPERIENCE:**

#### **Private Single Family Residences | Multiple Projects, Various Locations**

Mr. Walsh provides structural engineering services for architects, homeowners and developers of single family dwellings. Services include collaboration with the design team, production of structural construction documents and construction oversight. Projects vary from additions/alterations, complete gut renovations, deep energy retrofits, and new construction. Mr. Walsh is experienced in a variety of residential construction including energy efficient and advanced framing systems.

#### **Woods Hill Table | West Concord, MA**

The renovation and re-development of West Concord Supermarket into the new Woods Hill Table restaurant required complex structural solutions to maintain the historic appearance of the Commonwealth Avenue landmark. Mr. Walsh provided structural engineering services from project planning through construction to maintain the existing structural shell while completely reconfiguring the interior space to an open floor plan and adding a full basement. The structural capacity of the existing roof was enhanced for solar panels and new mechanical equipment to support space.

#### **Cambridge Housing Authority | 78-80 Porter Road, Cambridge, MA**

Mr. Walsh is the structural engineer of record for the rehabilitation of this 5-story, brick masonry, 26-unit apartment building in Cambridge Massachusetts. The project goal is to extend the life of the building for an additional 20-30 years. Structural services include a building condition assessment, evaluation of planned improvements, identification of code imposed structural upgrades preparation of construction documents and construction administration.

#### **Debra's Natural Gourmet | West Concord, MA**

The West Concord 5&10 building was acquired by Debra's Natural Gourmet to expand their present food preparation and retail space from their current location next door. The renovated space required repairs to the aging, three-story, wood framed structure as well as alterations at the retail floor level to suit the open floor plan necessary for the planned use. The addition of a commercial kitchen on the existing timber floor framing resulted in engineered lumber reinforcements within the salvaged areas of the floor. Mr. Walsh served as the engineer of record overseeing the structural design and construction administration phases of the work.

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### **Boston Honey Company** | 56 Chestnut St, Holliston, MA

A commercial retail/production/warehouse building approximately 5,500 gross square feet (GSF) for a local agricultural business. Conventional wood frame construction with prefabricated roof trusses utilizing structural insulated panels (SIP) for a high efficiency envelope system.

### **The Route 134 Community** | Multi-Family Development, Dennis, MA

Mr. Walsh served as structural engineer of record for the 9-building, multi-family development. The structural systems on this project were coordinated with the work to achieve the energy efficiency goals established by the owner. These two-story wood frame structures are located in a 115 MPH wind zone. The project utilized pre-fabricated wood trusses and engineered lumber framing.

### **Vehicle Storage Building** | West Boylston Municipal Light Plant, Crescent St, West Boylston, MA

Mr. Walsh provided structural engineering and structural construction administration services for this single story wood frame vehicle storage building over full basement for storage. An elevated concrete slab on metal deck was designed to support the H-20 loading of utility vehicles parked within the garage. The superstructure consisted of wood frame walls supporting prefabricated roof trusses.

### **West Falmouth Library** | West Falmouth Hwy, West Falmouth, MA

This project involved the construction of 2,100 GSF two story wood frame addition to the existing library, including alterations within the adjacent existing building areas. The addition required excavation into an adjacent slope and consideration of lateral earth pressures on the building foundation as well as site retaining walls.

## **ADDITIONAL REPRESENTATIVE PROJECTS:**

### **COMMERCIAL**

- **New England Sports Center** | 121 Donald Lynch Blvd, Marlborough, MA
- **Motor Pool Shed/Mezzanine** | Wellesley College, Wellesley, MA
- **MIT Lincoln Laboratory Roof Improvements** | Building LI, Lexington, MA
- **Winchester Hospital Ambulatory Service Center** | 620 Washington Street, Winchester, MA
- **Hyannis Yacht Club Improvements** | Hyannis, MA
- **Shallow Pond Center** | Hyannis, MA
- **Plymouth Country Club** | Plymouth, MA
- **Stryker Manufacturing Facility Expansion** | West Lebanon, NH
- **Hy-Line Cruise Terminal** | Hyannis, MA
- **Abbott Bioresearch Center Expansion** | Worcester, MA
- **Lowe's Home Improvement Center** | Various locations, MA & RI

### **RESIDENTIAL**

- **Heritage Sands** | Old Wharf Road, Dennis Port, MA
- **Stage Coach Estates** | Barnstable Housing Authority, Barnstable, MA
- **The Lodge at Stoughton** | Stoughton, MA
- **Brigham Square** | Mill Street, Arlington, MA
- **Lombard Farms** | West Barnstable, MA

### **MUNICIPAL**

- **Wannacomet Water Company** | 1 Milestone Road, Nantucket, MA
- **Craigville Beach Bath House** | Barnstable, MA
- **Miacomet Golf Club** | Nantucket, MA
- **The Lodge at Flax Pond** | Flax Pond Recreation Area, Yarmouth, MA
- **Framingham District Courthouse** | Framingham, MA
- **General Aviation Terminal** | Logan International Airport, Boston, MA
- **Hanger Roof Evaluation** | Hanscom Field, Bedford, MA
- **Sandy Neck Beach Bath House** | Sandy Neck Beach, Barnstable, MA

