

TOWN OF TYNGSBOROUGH

CONTRACT # 2025-ADM-001

DATE: OCTOBER 10, 2025

This Contract is entered into on, or as of, this date by and between the Town of Tyngsborough, 25 Bryant Lane, Tyngsborough, MA 01879 (the "Town"), and

H2M Architects and Engineers, Inc.(the "Contractor")
360 Bloomfield Avenue, Suite 406
Windsor, CT 06095

1. This is a Contract for the procurement of the following:

The Contractor shall be responsible for utilizing existing plans & studies specifically outlined below, as well as input from the Tyngsborough Fire Department, Town Manager, and other relevant stakeholders including the Fire Station Building Committee to craft the schematic design of a new Fire Headquarters and a construction cost estimate (including full design cost estimates) for the new building. The deliverables under this contract will precede Town Meeting consideration of funding to advance the full project.

Available studies/plans:

- 1) *Fire Station Facility Conceptual Study* - Prepared by Lavallee Brensinger Architects in 2025
- 2) *Programmatic Needs Assessment - Fire Space Program* - Prepared by Lavallee Brensinger Architects in 2024.

Specifically, the contractor will be tasked with:

- 1) Schematic Drawings
- 2) Preliminary Design
- 3) Renderings
- 4) Cost Estimating
 - a) All costs associated with construction of the building including but not limited to:
 - i) Permitting
 - ii) Site Preparation
 - iii) Infrastructure
 - iv) Owner's Project Manager
 - v) Architectural
 - (1) Including full design & construction documents/administration phases
 - vi) General Contractor
 - vii) Filed Sub-Bids
 - viii) Furnishing

ix) Contingency

As a part of this contract, the Contractor will be asked to opine on the best location on the preferred site for a new station - which may involve the demolition of an existing school house on the site.

2. The Contract price to be paid to the Contractor by the Town is:

The contractor shall be compensated a flat fee for the full scope of work as outlined in the contractor's price proposal which is attached to this contract for scope and pricing only. The terms of this Contract govern the agreement between the parties. The set fee for this work is \$286,450.00.

3. Payment will be made as follows:

3.1 Payment to the contractor is based on the Contractor's response to the RFQ which is included with this contract.

3.2 Fees and Reimbursable Costs combined shall not exceed the compensation as described in Section 2 and as more fully set forth in the Contract Documents.

3.3 There shall be no further costs, fees or reimbursable charges due the Contractor under this Contract unless said fees and/or costs are so set forth in writing. The Town will not pay any surcharge or premium on top of the direct out of pocket expenses, if any. The Town understands that the Contractor will assess a 10% markup for coordination on top of all expenses due to subs.

3.4 Contractor shall submit progress invoices to the Town, attention Colin Loiselle 25 Bryant Lane, Tyngsborough MA 01879. Invoice can be emailed to cloiselle@tyngsboroughma.gov.

3.5 Progress invoices shall identify the progress as a percentage of the total work, type of work performed, and when applicable, who the work was performed by. No payment will be remitted without first being invoiced as outlined in this section.

4. Definitions:

4.1 Contract Documents: All documents relative to the Contract including (where used) Request for Proposals and all attachments thereto, Instructions to Bidders, Proposal Form, Specifications. The Contract Documents are complementary, and what is called for by any one shall be as binding as if called for by all.

4.2 Date of Substantial Performance: The date when the work is sufficiently complete and the services are performed, in accordance with Contract Documents, as modified by approved Amendments and Change Orders.

4.3 Work: The services or materials contracted for, or both.

5. Term of Contract and Time for Performance:

This Contract shall be fully performed by the Contractor in accordance with the provisions of the Contract Documents for the duration of the term, which is October 10, 2025 through March 1,

2026. As indicated in the RFQ, the Town expects the contractor to complete the design and cost estimation within four months of contract award but understands that additional work including presenting the findings to various stakeholders may require work beyond the four months. The date of duration can be amended by mutual agreement.

6. Subject to Appropriation:

Notwithstanding anything in the Contract Documents to the contrary, any and all payments which the Town is required to make under this Contract shall be subject to appropriation or other availability of funds as certified by the Town Accountant. In the absence of appropriation or availability as certified herein, this Contract shall be immediately terminated without liability for damages, penalties or other charges to the Town.

7. Permits and Approvals:

Permits, Licenses, Approvals and all other legal or administrative prerequisites to its performance of the Contract shall be secured and paid for by the Contractor prior to commencement of the Services, and shall be maintained throughout the duration of the Contract.

8. Termination and Default:

8.1 Without Cause. The Town may terminate this Contract on seven (7) calendar days' notice when in the Town's sole discretion it determines it is in the best interests of the Town to do so, by providing notice to the Contractor, which shall be in writing and shall be deemed delivered and received when given in person to the Contractor, or when received by fax, express mail, certified mail return receipt requested, regular mail postage prepaid or delivered by any other appropriate method evidencing actual receipt by the Contractor. Upon termination without cause, Contractor will be paid for services rendered to the date of termination.

8.2 For Cause. If the Contractor is determined by the Town to be in default of any term or condition of this Contract, the Town may terminate this Contract on seven (7) days' notice by providing notice to the Contractor, which shall be in writing and shall be deemed delivered and received when given in person to the Contractor, or when received by fax, express mail, certified mail return receipt requested, regular mail postage prepaid or delivered by any other appropriate method evidencing actual receipt by the Contractor.

8.3 Default. The following shall constitute events of a default under the Contract:

(1) any material misrepresentation made by the Contractor to the Town; 2) any failure to perform any of its obligations under this Contract including, but not limited to the following: (i) failure to commence performance of this Contract at the time specified in this Contract due to a reason or circumstance within the Contractor's reasonable control, (ii) failure to perform this Contract with sufficient personnel and equipment or with sufficient material to ensure the completion of this Contract within the specified time due to a reason or circumstance within the Contractor's reasonable control.

9. The Contractor's Breach and the Town's Remedies:

Failure of the Contractor to comply with any of the terms or conditions of this Contract shall be a material breach of this Contract, and the Town of Tyngsborough shall have all the rights and remedies provided in the Contract Documents, the right to cancel, terminate, or suspend the Contract in whole or in part, the right to maintain any and all actions at law or in equity or other proceedings with respect to a breach of this Contract, including "Damages" including but not

limited to costs, attorney's fees or other damages resulting from said breach ("Damages") and the right to select among the remedies available to it by all of the above.

10. Statutory Compliance:

10.1 This Contract will be construed and governed by the provisions of applicable federal, state and local laws and regulations; and wherever any provision of the Contract or Contract Documents shall conflict with any provision or requirement of federal, state or local law or regulation, then the provisions of law and regulation shall control. Where applicable to the Contract, the provisions of the General Laws are incorporated by reference into this Contract.

10.2 The Contractor shall comply with all Federal, State and local laws, rules, regulations, policies and orders applicable to the Services provided pursuant to this Contract.

11. Conflict of Interest:

Both the Town and the Contractor acknowledge the provisions of the State Conflict of Interest Law (General Laws Chapter 268A), and this Contract expressly prohibits any activity which shall constitute a violation of that law. The Contractor shall be deemed to have investigated the application of M.G.L. c. 268A to the performance of this Contract.

12. Certification of Tax Compliance

This Contract must include a certification of tax compliance by the Contractor, as required by General Laws Chapter 62C, Section 49A (Requirement of Tax Compliance by All Contractors Providing Goods, Services, or Real Estate Space to the Commonwealth or Subdivision).

13. Non-Discrimination/Affirmative Action

The Contractor shall carry out the obligations of this Contract in compliance with all requirements imposed by or pursuant to federal, State and local ordinances, statutes, rules and regulations and policies prohibiting discrimination in employment. Contractor shall not discriminate against any qualified employee or applicant for employment because of race, color, national origin, ancestry, age, sex, religion, physical or mental handicap or sexual orientation.

14. Assignment:

The Contractor shall not assign, sublet or otherwise transfer this Contract, in whole or in part, without the prior written consent of the Town, and shall not assign any of the moneys payable under this Contract, except by and with the written consent of the Town.

15. Condition of Enforceability Against the Town:

This Contract is only binding upon, and enforceable against, the Town if: (1) the Contract is approved during a public meeting by a majority of the Board of Selectmen; and (2) endorsed with approval by the Town Accountant as to appropriation or availability of funds.

16. Corporate Contractor:

If the Contractor is a corporation and this Contract is being executed by a party other than its president, it shall endorse upon this Contract (or attach hereto) its Clerk's Certificate certifying the corporate capacity and authority of the party signing this Contract for the corporation. Such certificate shall be accompanied by a letter or other instrument stating that such authority continues in full force and effect as of the date the Contract is executed by the Contractor. This Contract shall not be enforceable against the Town of Tyngsborough unless and until the Contractor complies with this section.

17. Minimum Wage/Prevailing Wage;

The Contractor will carry out the obligations of this Contract in full compliance with all of the requirements imposed by or pursuant to G. L. c. 151, §1, *et seq.* (Minimum Wage Law) and the wage rates as set forth in G.L. c. 149 §26 to 27D (prevailing Wage).

18. Liability of Public Officials:

To the full extent permitted by law, no official, employee, agent or representative of the Town of Tyngsborough shall be individually or personally liable on any obligation of the Town under this Contract.

19. Document Ownership:

Any final deliverables prepared for the Town as a part of the services to be provided by the Contractor hereunder shall become the property of the Town. Nevertheless, to the extent that the contractor utilizes any of its own property (including, without limitation, any hardware or software of Contractor) in connection with the performance of its services hereunder, such property shall remain the property of the Contractor, and Town shall not acquire any right or interest in such property. Contractor reserves all of its copyright, ownership, and other rights with respect to such information.

20. Indemnification:

As it pertains to professional liability claims, the Contractor hereby agrees to indemnify and save harmless the Town, the Town's officers, agents and employees, from and against any and all third party damages, liabilities, actions, suits, proceedings, claims, demands, losses, costs, expenses, recoveries and judgments (including reasonable attorneys' fees) to the extent caused by the negligent work being performed or to be performed, or out of any negligent act or omission by the Contractor, its employees, agents, subcontractors, material men, and anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable.

As it pertains to all other claims, the Contractor hereby agrees to indemnify and save harmless the Town, the Town's officers, agents, and employees, from and against any and all third party damages. Liabilities, actions, suits, proceedings, claims, demands, losses, costs, expenses, recoveries, and judgments of every nature and description (including reasonable attorney's fees) to the extent caused by the work being performed or to be performed, or out of any negligent act or omission by the Contractor, its employees, agents, subcontractors, material men, and anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable.

The Contractor hereby agrees to reimburse the Town for damage to its property caused by the Contractor, its employees, agents, subcontractors or material men, and anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, including damages caused by his, its or their use of faulty, defective, or unsuitable material or equipment, unless the damage is caused by the Town's gross negligence or willful misconduct. The Town agrees to make reasonable effort to notify the Contractor of any duty arising out of this paragraph, but failure to make timely notice will not relieve the Contractor of any duty under this paragraph.

The foregoing provisions shall not be deemed to be released, waived, limited or modified in any respect by reason of any surety or insurance provided by the Contractor under the Contract.

21. Insurance

Failure to provide and continue in force the following insurance during the period of this Contract shall be a material breach of this Contract, shall operate as an immediate termination thereof, and

the Contractor hereby agrees to indemnify the Town for all losses, claims, and actions resulting from the failure to provide the insurance required by this Article.

All policies shall identify the Town as an additional insured (except Workers' Compensation and Professional Liability). The Contractor must provide notice to the Town immediately upon cancellation or modification of the policy. All Certificates of Insurance shall be on the "MIIA" or "ACORD" Certificate of Insurance form, shall contain true transcripts from the policies, authenticated by the proper officer of the Insurer, evidencing in particular those insured, the extent of coverage, the location and operations to which the insurance applies, the expiration date and the above-mentioned notice clauses.

The Contractor shall obtain and maintain during the term of this Contract the following insurance coverage from companies licensed to do business in the Commonwealth of Massachusetts and acceptable to the Town.

21.1 Workers Compensation Insurance:

The Contractor shall provide by insurance for the payment of compensation and the furnishing of other benefits under Chapter 152 of the General Laws of Massachusetts (The Worker's Compensation Act) to all employees of the Contractor who are subject to the provisions of Chapter 152 of the General Laws of Massachusetts.

The Contractor shall furnish to the Town a certificate evidencing such insurance prior to the execution of this Contract before the same shall be binding on the parties thereto, except if specifically waived by the Town.

21.2 Professional Liability Insurance

Liability of \$1 million per claim and \$3 million aggregate.

21.3 Other Insurance Requirements

- a. Comprehensive commercial general liability insurance with limits of at least \$1 Million per occurrence and \$3 Million annual aggregate for property damage and \$1 Million per person and \$3 Million per occurrence for bodily injury, which shall include the Town of Tyngsborough as an additional insured, and which shall cover bodily injury, sickness or disease, or death of any person including employees and those persons other than the Contractor's employees, and claims insured by usual personal liability coverage, death, or property damage arising out of the Work including injury or destruction of tangible property, including loss of use resulting therefrom.
- b. Motor vehicle insurance for any motor vehicles used in performing the Work, with limits of at least \$500,000 per person, and \$1 Million per accident.
- c. All policies shall identify the Town as an additional insured. (except Workers' Compensation and Professional Liability) The Contractor must provide notice to the Town immediately upon the cancellation modification of the policy. All Certificates of Insurance shall be on the "MIIA" or "ACORD" Certificate of Insurance form, shall contain true transcripts from the policies, authenticated by the proper officer of the Insurer, evidencing in particular those insured, the extent of coverage, the location and operations to which the insurance applies, the expiration date and the above-mentioned notice clauses.
- d. The Contractor shall obtain and maintain during the term of this Contract the insurance

coverage in companies licensed to do business in the Commonwealth of Massachusetts and acceptable to the Town.

22. No Employment

The Contractor acknowledges and agrees that it is acting as an independent Contractor for all services rendered pursuant to this Contract, and neither the Contractor, nor its employees, agents, servants nor any person for whose conduct the Contractor is responsible shall be considered an employee or agent of the Town for any purpose and shall not file any claim or bring any action for any worker's compensation unemployment benefits and compensation for which they may otherwise be eligible as a Town employee as a result of work performed pursuant to the terms of this Contract.

23. Payment

The Town agrees to make all reasonable efforts to pay to the Contractor the sum set forth in the Contractor's proposal within thirty (30) days of receipt of an invoice detailing the services provided and acceptance from the Town of said services.

24. Waiver and Amendment

Amendments, or waivers of any additional term, condition, covenant, duty or obligation contained in this Contract may be made only by written amendment executed by all signatories to the original Contract, prior to the effective date of the amendment.

25. Severability

If any term or condition of this Contract or any application thereof shall to any extent be held invalid, illegal or unenforceable by a court of competent jurisdiction, the validity, legality, and enforceability of the remaining terms and conditions of this Contract shall not be deemed affected thereby unless one or both parties would be substantially or materially prejudiced.

26. Forum and Choice of Law

This Contract and any performance herein shall be governed by and be construed in accordance with the laws of the Commonwealth of Massachusetts. Any and all proceedings or actions relating to subject matter herein shall be brought and maintained in the courts of the Commonwealth of Massachusetts or the federal district court sitting in the Commonwealth of Massachusetts, which shall have exclusive jurisdiction thereof. This paragraph shall not be construed to limit any other legal rights of the parties.

27. Notices

Any notice permitted or required under the provisions of this Contract to be given or served by either of the parties hereto upon the other party hereto shall be in writing and signed in the name or on the behalf of the party giving or serving the same. Notice shall be deemed to have been received at the time of actual service or three (3) business days after the date of a certified or registered mailing properly addressed. Notice to the Contractor shall be deemed sufficient if sent to the address set forth on page 1 or furnished from time to time in writing hereafter.

28. Binding on Successors:

This Contract is binding upon the parties hereto, their successors, assigns and legal representatives (and where not corporate, the heirs and estate of the Contractor). Neither the Town nor the Contractor shall assign or transfer any interest in the Contract without the written consent of the other.

29. Entire Agreement:

This Contract, including all documents incorporated herein by reference, constitutes the entire integrated agreement between the parties with respect to the matters described. This Contract supersedes all prior agreements, negotiations and representations, either written or oral, and it shall not be modified or amended except by a written document executed by the parties hereto.

30. Limitation of Liability

Neither party shall be responsible or liable to the other for special, indirect, or consequential damages. The total aggregate liability of the Contractor to Town for any and all claims whatsoever arising out of this agreement shall not exceed the minimum specified insurance policy limits set forth in this agreement.

IN WITNESS WHEREOF the parties have hereto and to two other identical instruments set forth their hands and executed this as an instrument under seal this the day and year first above written.

The Town of Tyngsborough by
Its Town Manager

Colin F. Loisele 10/20/25
Colin F. Loisele Date

The Contractor by:

[Signature] 10/20/25
Signature Date

Richard Humann, P.E. - CEO
Print Name & Title



TOWN OF TYNGSBOROUGH
Office of the Town Manager
Town Offices | 25 Bryant Lane
Tyngsborough, MA 01879

Tel: (978) 649-2300 Ext. 100 | Fax: (978) 649-2320

Request for Qualifications

Schematic Design Services for a New Tyngsborough Fire Department Headquarters

Issued: July 30, 2025

Due: 10:00 AM on August 20, 2025

Questions to Colin F. Loiselle, Town Manager

cloiselle@tyngsboroughma.gov or 978-649-2300 x100



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The Town of Tyngsborough, through its Town Manager, is seeking qualifications from qualified proposers for the *Schematic Design of a New Fire Department Headquarters*. This RFQ is being issued in accordance with the regulations outlined in M.G.L. Chapter 7C, Sections 44-58 and the designer selection procedures adopted by the Tyngsborough Select Board. The selected proposer will be responsible for working with the Tyngsborough Fire Department, Town Manager, and other relevant stakeholders to create a schematic design and construction cost estimate for the project. The Town anticipates that the deliverables from this project will be used to seek final design & construction funding from a future Town Meeting.

Colin F. Loiselle
Town Manager

cloiselle@tyngsboroughma.gov or 978-649-2300 x100
Town Hall, 25 Bryant Lane Tyngsborough MA 01879

Requests for Qualifications will be available beginning on July 30, 2025. All proposals must be sealed and will be accepted by mail or in-person at the Office of the Town Manager, 25 Bryant Lane Tyngsborough MA 01879 until 10:00 AM on August 20, 2025 and will not be publicly opened.

Proposals must be submitted in a sealed envelope, which is to be plainly marked on the face:
“SCHEMATIC DESIGN - FIRE HEADQUARTERS”

The Town of Tyngsborough reserves the right to reject any and all proposals and to waive any defects, informalities, and minor irregularities in proposals received as may be deemed in the best interest of the Town of Tyngsborough. All proposals must be submitted in the form of a proposal and must conform to the specifications. The Town of Tyngsborough reserves the right to reject any or all proposals that do not meet the minimum requirements set forth in the RFQ.

All proposals must be complete and in compliance with the submission requirements outlined in the RFQ.

Colin F. Loiselle
Town Manager



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SECTION 1: PROJECT DESCRIPTION

The Town of Tyngsborough seeks to retain the services of a Registered Architect to perform a full schematic design of a new fire department headquarters for the Town of Tyngsborough. This phase of the project follows the conceptual study work that was completed in 2024 and is expected to lead up to a Town Meeting vote on funding for the full design, construction, and construction administration.

The building to be designed will serve as the primary headquarters, the only station in Tyngsborough that is manned 24/7. The space program calls for a building with four (4) garage bays, at least two (2) of which should be drive through as well as living quarters, administrative space, community space, training space, and storage space. The town expects the building will be approximately 20,000 square feet.

The Town expects that the building will be constructed on a town-owned parcel at 250 Middlesex Road in Tyngsborough. The site currently houses a vacant school building which may need to be torn down to accommodate the construction and a historic library which cannot be touched as a part of this project. Section 3 “Scope of Services” further outlines possibilities for the vacant school building.

The Town expects to obtain a schematic design and construction cost estimates that will be used to advance the full design and construction funding to Town Meeting for funding.

SECTION 2: GENERAL INFORMATION & PROPOSAL SUBMISSION REQUIREMENTS

2.1 Any proposer submitting a proposal is certifying that they have the staff & experience necessary to provide the services further outlined in Section 3 for which this RFQ is being issued.

2.2 The contract will be awarded within thirty (30) days of the submission due date. The time for the award may be extended by mutual agreement between the Town of Tyngsborough and the responsive and responsible respondent who is most qualified as determined by the Town.

2.3 If any changes are made to this RFQ, an addendum will be issued. Addenda will be issued in the same place that the original bid documents were posted which is accessible to all bidders.

2.4 Questions concerning this RFQ must be submitted in writing to Town Manager Colin Loiselle by email to cloiselle@tyngsboroughma.gov or by mail to 25 Bryant Lane Tyngsborough



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MA 01879. All questions must be received by Monday, August 11, 2025 at 4:00 PM. Any question received after that deadline may not be answered.

2.5 A respondent may correct, modify, or withdraw a proposal by written notice received by the Town Manager either by email to cloiselle@tyngsboroughma.gov or by mail to 25 Bryant Lane, Tyngsborough MA 01879 prior to the date and time set for the deadline to submit proposals. Each modification must be numbered in sequence and must reference the original RFQ.

2.6 Due Date: All responses must be sealed and be submitted by Wednesday, August 20, 2025 at 10:00 AM. Responses must be submitted in a sealed envelope clearly marked on the face "SCHEMATIC DESIGN- FIRE HEADQUARTERS". The submission must comply with all other submission requirements further outlined in this RFP.

2.7 Electronic submissions will not be accepted.

2.8 If, at the time of the scheduled deadline, the Town Hall is closed due to uncontrolled events such as fire, snow, ice, wind, or building evacuation, the proposal deadline will be postponed until 10:00 AM on the next normal business day (Monday through Thursday).

2.9 Clarification or interpretations of this RFQ must be made in writing to Town Manager Colin Loiselle via email to cloiselle@tyngsboroughma.gov or mail to 25 Bryant Lane Tyngsborough MA 01879 prior to the deadline to submit proposals.

2.10 The Town of Tyngsborough will consider non-responsive any proposal not prepared and submitted in accordance with the provisions hereof and may reject any or all proposals or waive any informalities as it may deem best in the interest of the Town. Any proposal received after the time and date specified as the proposal deadline will not be considered. Additionally, the Town of Tyngsborough reserves the right to reject any or all proposals from responsive bidders and to cancel the request for qualification process.

2.11 In accordance with the Massachusetts Designer Selection Law (MGL Chapter 7C), the Town will award a contract to the designer that it believes is most qualified to perform the work.

2.12 Bonds & Insurance- The Contractor shall provide and maintain throughout the term of the Contract any extension or renewal thereof the following insurance with companies that are authorized and licensed in the Commonwealth of Massachusetts to issue policies for the coverages and limits so required.

- a) Worker's Compensation Insurance as required by the laws of the Commonwealth of Massachusetts and employer's liability insurance in the amount of \$1,000,000/\$1,000,000/\$1,000,000
- b) Commercial General Liability Insurance, \$1,000,000 each occurrence and \$2,000,000 aggregate limit. Commercial general liability insurance shall include personal injury



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liability, broad form property damage liability, products/completed operations liability, and broad form contractual liability.

- c) Automobile Liability Insurance, covering all leased, owned, non-owned, and hired vehicles – combined single limit of \$1,000,000.
- d) Excess Liability Insurance, Umbrella Form - \$1,000,000 each occurrence and \$2,000,000 aggregate, which shall be the following form, providing coverage over commercial general liability insurance, automobile liability insurance, and employer’s liability under workers’ compensation insurance.
- e) The Town of Tyngsborough shall be named as an additional insured on each such policy of Commercial General Liability Insurance, Excess Liability Insurance, Umbrella Form, and Automobile Liability Insurance.
- f) All certificates and policies shall contain the following provisions: “Notwithstanding any other provision herein, should any of the above policies be cancelled or materially amended before the expiration date thereof, the issuing company will mail thirty (30) calendar days prior written notice thereof to the named certificate holder and to the Town of Tyngsborough, before such cancellation or amendment shall take place.
- g) The Town of Tyngsborough will not discriminate on the basis of race, color, national origin, or sex in the procurement of this contract. Similarly, the Contractor shall not discriminate on the basis of race, color, national origin, or sex in performance of this contract. The contractor shall carry out applicable requirements of 40 CFR Part 33 in the award and administration of contracts awarded under EPA financial assistance agreements. Failure by the contractor to carry out these requirements is a material breach of this contract which may result in the termination of this contract or other legally available remedies.

2.13 The Town will **negotiate** a fee with the selected firm but has set a not to exceed limit of **\$300,000**. By virtue of submitting a signed proposal, bidders acknowledge that they can perform the work described herein for a price not to exceed \$300,000.

SECTION 3: SCOPE OF SERVICES

The firm retained by the Town under this contract will be responsible for utilizing existing plans & studies specifically outlined below, as well as input from the Tyngsborough Fire Department, Town Manager, and other relevant stakeholders to craft the schematic design of a new Fire Headquarters and a construction cost estimate (including full design cost estimates) for the new building. The deliverables under this contract will precede Town Meeting consideration of funding to advance the full project.

Available studies/plans:

- 1) *Fire Station Facility Conceptual Study* - Prepared by Lavallee Brensinger Architects in 2025
- 2) *Programmatic Needs Assessment - Fire Space Program* - Prepared by Lavallee Brensinger Architects in 2024



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Specifically, the firm will be tasked with:

- 1) Prior to commencing with the drawings & renderings, the selected firm will be asked to opine on the feasibility of using parts of the existing school building on the site as administrative space and building the garage bays & other space off of a part of the existing building.
 - a) Based on this feedback, the Town may request that the selected firm prepare an additional schematic design for the above described scenario on top of one for a new construction. For the purposes of fee negotiation, the Town will negotiate a fixed fee for the schematic design of a new building and an optional fee for this second phase if selected.
- 2) Schematic Drawings
- 3) Preliminary Design
- 4) Renderings
- 5) Cost Estimating
 - a) All costs associated with construction of the building including but not limited to:
 - i) Permitting
 - ii) Site Preparation
 - iii) Infrastructure
 - iv) Owner's Project Manager
 - v) Architectural
 - (1) Including full design & construction documents/administration phases
 - vi) General Contractor
 - vii) Filed Sub-Bids
 - viii) Furnishing
 - ix) Contingency

SECTION 4: QUALIFICATIONS & EVALUATION CRITERIA

Minimum Qualifications

In order to be advanced to the review committee phase of evaluation, all firms submitting a proposal must meet the following minimum criteria:

- 1) Be a Registered Architect in the Commonwealth of Massachusetts;
- 2) Firm must have Massachusetts registration and licensing in all applicable disciplines;
- 3) Firms must have professional liability insurance (minimum \$1,000,000);
- 4) Thorough knowledge of the Massachusetts State Building Code;
- 5) Sufficient levels of qualified staff with applicable public safety building design experience. Firms must provide a list of all key personnel, specialists and individuals consultants that will be utilized on this project;



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- 6) Must be willing to work for a fixed fee;
- 7) Demonstrated previous experience (minimum of five years) performing similar design work for public safety buildings, with a strong preference to a firm that has worked on at least ten (10) public safety building projects in the past five (5) years.

Evaluation Process

All proposals that meet the minimum requirements listed above and were submitted in accordance with the submission requirements identified in Section 5 will be reviewed by the Designer Selection Committee (DSC) which shall be established by the Town Manager. The following evaluation criteria will be utilized to help the DSC identify the three (3) finalists. Proposers are reminded to include evidence supporting the criteria below in their sealed submission.

1. Related Experience
 - a. Successful experience designing public safety buildings, with a preference for projects in Massachusetts.
 - i. Experience: Previous similar designer experience. Preference will be given to firms who demonstrate experience above and beyond the minimum requirements identified in Section 4. Specifically, firms with Massachusetts-specific experience and at least five (5) similar public safety design projects in the last three (3) years will be viewed favorably.
 - ii. Quality of Work: Previous work projects may be viewed and/or customers interviewed to determine the quality of work provided. To be evaluated on this criteria, proposers must include the name, contact information, and date of work of three (3) references for work completed in the last five (5) years.
 - iii. Public Sector Knowledge: Demonstrate familiarity with and expertise in the field of public procurement and construction laws in the Commonwealth of Massachusetts. Prior municipal design experience will serve as evidence of this criteria along with reference checks.
2. Team
 - a. The DSC will review the qualifications and proposed involvement of key personnel including sub-consultants assigned to the project; as well as the experience of such personnel in relation to successfully completing any similar projects in the past.
3. Work Plan
 - a. Firms shall submit a scope of services, to include a proposed schedule for the work described in this RFQ. Firms are expected to complete the work no later than 4 months from award of contract. Firms who demonstrate an ability to complete the work sooner will receive extra consideration.



TOWN OF TYNGSBOROUGH
Office of the Town Manager
Town Offices | 25 Bryant Lane
Tyngsborough, MA 01879

Tel: (978) 649-2300 Ext. 100 | Fax: (978) 649-2320

SECTION 5: SUBMISSION REQUIREMENTS

5.1 The response proposal shall consist of the following items and shall be submitted by each firm desiring consideration. Each Responder's name, address, and contact information shall be clearly visible on the outside of the sealed envelope. The response proposal, in its entirety, shall be in one sealed envelope, clearly marked on the face: "SCHEMATIC DESIGN - FIRE HEADQUARTERS".

5.1.2 The Town of Tyngsborough reserves the right to reject any and all proposals that do not meet the submission requirements, minimum, and or/comparative criteria.

5.1.3 Each response proposal should include the following:

- Cover
- Cover Letter
- Company background statement that includes: firm's organization (an established business with a minimum of ten (10) years of experience in providing Designer Services related to public projects in the Commonwealth of Massachusetts, and holds all applicable State licenses and approvals, financial status, insurance documentation, resumes of the assigned project team, client reference contact information.
- Completed Signature Page
- Certification of Tax Compliance and non-collusion statement which is attached as FORM A.
- Fully completed Designer Application Form --- Commonwealth of Massachusetts Standard Designer Application Form which is attached as FORM B.
- Recent examples of completed Massachusetts public safety building design projects of comparable size, including references for each project. Response proposals may also include project references outside of Massachusetts if the minimum requirements are met. Documentation shall illustrate a description of experience performing design work for these types of projects and shall include the construction cost, client name, and contact information.
- Designer's proposed project approach and schedule.

5.1.4 References – Provide references with contact phone numbers and or email addresses from other clients whereby similar work has been completed. List examples of and/or show examples demonstrating the ability of the proposer to do the scope of work outlined in this RFQ.

5.2 All proposals will be kept confidential upon opening until such time as the Town of Tyngsborough has completed the evaluation and selection process.



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SECTION 6: AWARD

The Designer Selection Committee (DSC) will review all responsive proposals and will rank and select at least three (3) finalists as further outlined elsewhere in this RFQ. The DSC will invite the three (3) finalists to an interview. The interviews will be identical for all three finalists and none of the interviews will be open to the public.

Upon review of the interviews, the DSC will recommend the award of a contract to the most qualified proposer -- in the sole discretion of the DSC. This recommendation will be advanced to the Town Manager who is the awarding authority for the purposes of this contract.

The Town Manager will then engage in fee negotiations with the selected firm. Should the Town and the selected firm be unable to reach an agreement on fee, the Town Manager will move to negotiations with the second highest ranked firm.

When a fee has been successfully negotiated, the Town Manager will make an award in the form of an award letter which will be presented to the selected firm and will outline the fixed fee.

The proposer shall have five (5) business days to sign the award letter accepting such award at which point a contract will be provided to the proposer for their review.

SECTION 7: CONTRACT

The successful proposer shall not assign, transfer, or sublet this contract unless specific permission to do so is granted in writing by the Town of Tyngsborough. Any such person or agency thus assuming the contract may be required by the Town of Tyngsborough to execute an amendment to the contract assuming all obligations held by the contractor under the original contract and shall comply with all provisions of the original contract.



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SIGNATURE PAGE

The undersigned hereby submits qualifications for the above referenced RFQ and certifies that it meets the minimum requirements, can perform the scope of work required, and is not debarred. Further, the undersigned certifies that it can deliver the complete scope of work for a fee that will not exceed \$300,000.

I have reviewed the entire proposal, including the addenda numbered: _____ in preparing this bid.

Signature

Date

Printed Name

Title

Company Address: _____

Phone Number: _____

Email: _____



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FORM A

Taxes, Non-Collusion, and Signing Authority

Pursuant to MGL Chapter 62C, Section 49A, the undersigned certifies under the penalties of perjury that the company named below as filed all Massachusetts State Tax returns and paid all State taxes as required by law.

The undersigned certifies under penalties of perjury that his/her bid is in all respects bona fide, fair, and made without collusion or fraud with any other person. As used in this paragraph, the word "person" shall mean any natural person, joint venture, partnership, corporation, or other business or legal entity.

The undersigned certifies under penalties of perjury that he/she is authorized on behalf of the company named below to bind the bidder contractually. If the bidder is a corporation, a clerk's certificate of vote and minutes of a director's meeting will be provided.

Social Security Number or Federal Identification Number: _____

Company Name: _____

Printed Name of Signer: _____

Signature: _____ Date: _____



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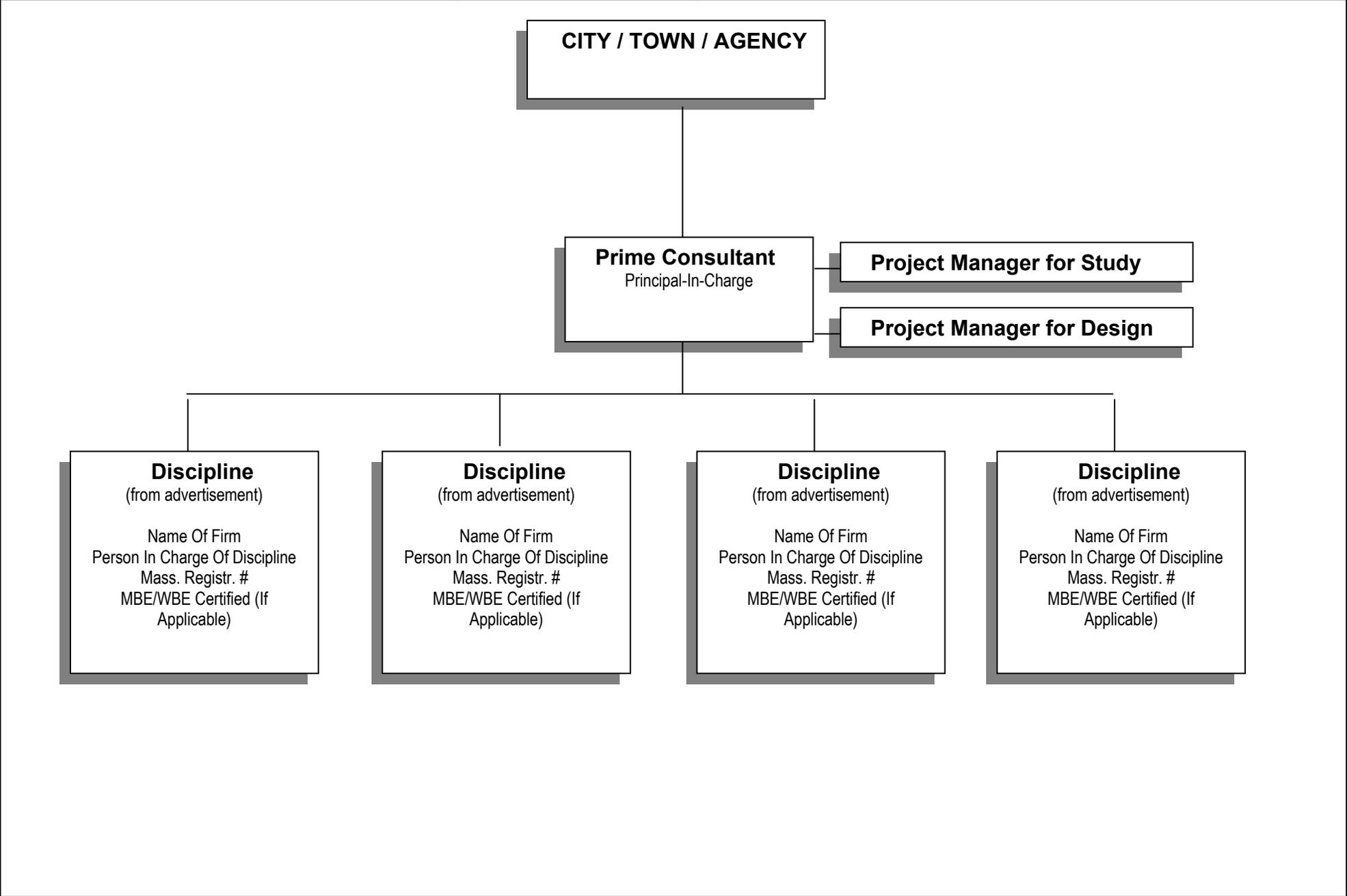
FORM B IS ATTACHED AS PDF

**RESPONDENTS MAY DOWNLOAD A WORD VERSION OF THE
STANDARD DESIGNER APPLICATION FORM AT THE LINK
BELOW TO COMPLETE ELECTRONICALLY**

<https://www.mass.gov/info-details/for-municipalities-and-public-agencies>

Commonwealth of Massachusetts Standard Designer Application Form for Municipalities and Public Agencies not within DSB Jurisdiction (Updated July 2016)	1. Project Name/Location For Which Firm Is Filing:	2. Project #																																				
		This space for use by Awarding Authority only.																																				
3a. Firm (Or Joint-Venture) - Name and Address Of Primary Office To Perform The Work:	3. Name Of Proposed Project Manager: For Study: (if applicable) For Design: (if applicable)																																					
3b. Date Present and Predecessor Firms Were Established:	3f. Name and Address Of Other Participating Offices Of The Prime Applicant, If Different From Item 3a Above:																																					
3c. Federal ID #:	3g. Name and Address Of Parent Company, If Any:																																					
3d. Name and Title Of Principal-In-Charge Of The Project (MA Registration Required): Email Address: Telephone No: Fax No.:	3. Check Below If Your Firm Is Either: (1) SDO Certified Minority Business Enterprise (MBE) <input type="checkbox"/> (2) SDO Certified Woman Business Enterprise (WBE) <input type="checkbox"/> (3) SDO Certified Minority Woman Business Enterprise (M/WBE) <input type="checkbox"/> (4) SDO Certified Service Disabled Veteran Owned Business Enterprise (SDVOBE) <input type="checkbox"/> (5) SDO Certified Veteran Owned Business Enterprise (VBE) <input type="checkbox"/>																																					
4. Personnel From Prime Firm Included In Question #3a Above By Discipline (List Each Person Only Once, By Primary Function -- Average Number Employed Throughout The Preceding 6 Month Period. Indicate Both The Total Number In Each Discipline And, Within Brackets, The Total Number Holding Massachusetts Registrations):																																						
<table style="width:100%; border: none;"> <tr> <td style="width:33%;">Admin. Personnel _____ (_____)</td> <td style="width:33%;">Ecologists _____ (_____)</td> <td style="width:33%;">Licensed Site Profs. _____ (_____)</td> <td style="width:33%;">Other _____ (_____)</td> </tr> <tr> <td>Architects _____ (_____)</td> <td>Electrical Engrs. _____ (_____)</td> <td>Mechanical Engrs. _____ (_____)</td> <td>_____ (_____)</td> </tr> <tr> <td>Acoustical Engrs. _____ (_____)</td> <td>Environmental _____ (_____)</td> <td>Planners: Urban./Reg. _____ (_____)</td> <td>_____ (_____)</td> </tr> <tr> <td>Civil Engrs. _____ (_____)</td> <td>Fire Protection _____ (_____)</td> <td>Specification Writers _____ (_____)</td> <td>_____ (_____)</td> </tr> <tr> <td>Code Specialists _____ (_____)</td> <td>Geotech. Engrs. _____ (_____)</td> <td>Structural Engrs. _____ (_____)</td> <td>_____ (_____)</td> </tr> <tr> <td>Construction Inspectors _____ (_____)</td> <td>Industrial _____ (_____)</td> <td>Surveyors _____ (_____)</td> <td>_____ (_____)</td> </tr> <tr> <td>Cost Estimators _____ (_____)</td> <td>Interior Designers _____ (_____)</td> <td>_____ (_____)</td> <td>_____ (_____)</td> </tr> <tr> <td>Drafters _____ (_____)</td> <td>Landscape _____ (_____)</td> <td>_____ (_____)</td> <td>_____ (_____)</td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">Total</td> <td>_____ (_____)</td> </tr> </table>			Admin. Personnel _____ (_____)	Ecologists _____ (_____)	Licensed Site Profs. _____ (_____)	Other _____ (_____)	Architects _____ (_____)	Electrical Engrs. _____ (_____)	Mechanical Engrs. _____ (_____)	_____ (_____)	Acoustical Engrs. _____ (_____)	Environmental _____ (_____)	Planners: Urban./Reg. _____ (_____)	_____ (_____)	Civil Engrs. _____ (_____)	Fire Protection _____ (_____)	Specification Writers _____ (_____)	_____ (_____)	Code Specialists _____ (_____)	Geotech. Engrs. _____ (_____)	Structural Engrs. _____ (_____)	_____ (_____)	Construction Inspectors _____ (_____)	Industrial _____ (_____)	Surveyors _____ (_____)	_____ (_____)	Cost Estimators _____ (_____)	Interior Designers _____ (_____)	_____ (_____)	_____ (_____)	Drafters _____ (_____)	Landscape _____ (_____)	_____ (_____)	_____ (_____)			Total	_____ (_____)
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Drafters _____ (_____)	Landscape _____ (_____)	_____ (_____)	_____ (_____)																																			
		Total	_____ (_____)																																			
5. Has this Joint-Venture previously worked together? <input type="checkbox"/> Yes <input type="checkbox"/> No																																						

6. List **ONLY** Those Prime And Sub-Consultant Personnel Specifically Requested In The Advertisement. This Information Should Be Presented Below In The Form Of An Organizational Chart. Include Name Of Firm And Name Of The One Person In Charge Of The Discipline, With Mass. Registration Number, As Well As MBE/WBE Status, If Applicable:



7. Brief Resume of ONLY those Prime Applicant and Sub-Consultant personnel requested in the Advertisement. <u>Include Resumes of Project Managers</u> . Resumes should be consistent with the persons listed on the Organizational Chart in Question # 6. Additional sheets should be provided only as required for the number of Key Personnel requested in the Advertisement and they must be in the format provided. By including a Firm as a Sub-Consultant, the Prime Applicant certifies that the listed Firm has agreed to work on this Project, should the team be selected.	
a. Name and Title Within Firm:	a. Name and Title Within Firm:
b. Project Assignment:	b. Project Assignment:
c. Name and Address Of Office In Which Individual Identified In 7a Resides: <div style="text-align: right;"> MBE <input type="checkbox"/> WBE <input type="checkbox"/> SDVOBE <input type="checkbox"/> VBE <input type="checkbox"/> </div>	c. Name and Address Of Office In Which Individual Identified In 7a Resides: <div style="text-align: right;"> MBE <input type="checkbox"/> WBE <input type="checkbox"/> SDVOBE <input type="checkbox"/> VBE <input type="checkbox"/> </div>
d. Years Experience: With This Firm: _____ With Other Firms: _____	d. Years Experience: With This Firm: _____ With Other Firms: _____
e. Education: Degree(s) /Year/Specialization	e. Education: Degree(s) /Year/Specialization
f. Active Registration: Year First Registered/Discipline/Mass Registration Number	f. Active Registration: Year First Registered/Discipline/Mass Registration Number
g. Current Work Assignments and Availability For This Project:	g. Current Work Assignments and Availability For This Project:
h. Other Experience and Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm):	h. Other Experience and Qualifications Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm):

8a. Current and Relevant Work By Prime Applicant Or Joint-Venture Members. Include ONLY Work Which Best Illustrates Current Qualifications In The Areas Listed In The Advertisement (List Up To But Not More Than 5 Projects).					
a. Project Name And Location Principal-In-Charge	b. Brief Description Of Project And Services (Include Reference To Relevant Experience)	c. Client's Name, Address And Phone Number (Include Name Of Contact Person)	d. Completion Date (Actual Or Estimated)	e. Project Cost (In Thousands)	
				Construction Costs (Actual, Or Estimated If Not Completed)	Fee for Work for Which Firm Was Responsible
(1)					
(2)					
(3)					
(4)					
(5)					

8b. List Current and Relevant Work By Sub-Consultants Which Best Illustrates Current Qualifications In The Areas Listed In The Advertisement (Up To But Not More Than 5 Projects For Each Sub-Consultant). Use Additional Sheets Only As Required For The Number Of Sub-Consultants Requested In The Advertisement.

Sub-Consultant Name:

a. Project Name and Location Principal-In-Charge	b. Brief Description Of Project and Services (Include Reference To Relevant Experience	c. Client's Name, Address And Phone Number. Include Name Of Contact Person	d. Completion Date (Actual Or Estimated)	e. Project Cost (In Thousands)	
				Construction Costs (Actual, Or Estimated If Not Completed)	Fee For Work For Which Firm Was/Is Responsible
(1)					
(2)					
(3)					
(4)					
(5)					

9. List All Projects Within The Past 5 Years For Which Prime Applicant Has Performed, Or Has Entered Into A Contract To Perform, Any Design Services For All Public Agencies Within The Commonwealth.

# of Total Projects:		# of Active Projects:	Total Construction Cost (In Thousands) of Active Projects (excluding studies):		
Role P, C, JV *	Phases St., Sch., D.D., C.D., A.C.*	Project Name, Location and Principal-In-Charge	Awarding Authority (Include Contact Name and Phone Number)	Construction Costs (In Thousands) (Actual, Or Estimated If Not	Completion Date (Actual or Estimated) (R)Renovation or (N)New
		1.			
		2.			
		3.			
		4.			
		5.			
		6.			
		7.			
		8.			
		9.			
		10.			
		11.			
		12.			

* P = Principal; C = Consultant; JV = Joint Venture; St. = Study; Sch. = Schematic; D.D. = Design Development; C.D. = Construction Documents; A.C. = Administration of Contract

10. Use This Space To Provide Any Additional Information Or Description Of Resources Supporting The Qualifications Of Your Firm And That Of Your Sub-Consultants For The Proposed Project. If Needed, Up To Three, Double-Sided 8 1/2" X 11" Supplementary Sheets Will Be Accepted. **APPLICANTS ARE ENCOURAGED TO RESPOND SPECIFICALLY IN THIS SECTION TO THE AREAS OF EXPERIENCE REQUESTED IN THE ADVERTISEMENT.**

Be Specific – No Boiler Plate

11. Professional Liability Insurance:

Name of Company	Aggregate Amount	Policy Number	Expiration Date
-----------------	------------------	---------------	-----------------

12. Have monies been paid by you, or on your behalf, as a result of Professional Liability Claims (in any jurisdiction) occurring within the last 5 years and in excess of \$50,000 per incident? Answer **YES** or **NO**. If YES, please include the name(s) of the Project(s) and Client(s), and an explanation (attach separate sheet if necessary).

13. Name Of Sole Proprietor Or Names Of All Firm Partners and Officers:

Name	Title	MA Reg #	Status/Discipline	Name	Title	MA Reg #	Status/Discipline
a.				d.			
b.				e.			
c.				f.			

14. If Corporation, Provide Names Of All Members Of The Board Of Directors:

Name	Title	MA Reg #	Status/Discipline	Name	Title	MA Reg #	Status/Discipline
a.				d.			
b.				e.			
c.				f.			

15. Names Of All Owners (Stocks Or Other Ownership):

Name And Title	% Ownership	MA. Reg.#	Status/Discipline	Name And Title	% Ownership	MA. Reg.#	Status/Discipline
a.				d.			
b.				e.			
c.				f.			

16. I hereby certify that the undersigned is an Authorized Signatory of Firm and is a Principal or Officer of Firm. I further certify that this firm is a "Designer", as that term is defined in Chapter 7C, Section 44 of the General Laws, or that the services required are limited to construction management or the preparation of master plans, studies, surveys, soil tests, cost estimates or programs. The information contained in this application is true, accurate and sworn to by the undersigned under the pains and penalties of perjury.

Submitted by _____ Printed Name and Title _____ Date _____
 (Signature)

Town of Tyngsborough, Massachusetts Main Fire Station Facility Conceptual study



Lavallee | Brensinger Architect; Consultants:
VHB, Civil Engineering
Jobin Construction Consultants, LLC; Cost Estimating Services



Programmatic Needs Assessment

Public Safety Building Study

Town of Tyngsborough, MA

Executive Summary

LAVALLEE | BRENSINGER ARCHITECTS

LBA Project no. 24-028-00

Fire Station Program

Executive Summary

Fire Station No.1

Space Designation			Space Need						
No.	Function		2024 (current need)		2034	2044	Right size	Notes	
COMMON/SUPPORT SPACES									
C-1	Common/Support Spaces		3,344		3,344	3,344	0		
COMMON/SHARED TOTAL			3,344		3,344	3,344	0		
FIRE DEPARTMENT									
F-1	Fire Administration		2,000		2,000	2,000	0		
F-2	Fire Station		9,463		9,463	9,525	0		
F-3	Fire Departmental Support		1,903		1,903	1,903	0		
FIRE TOTAL			13,365		13,365	13,428	0		
BUILDING SUPPORT									
S-1	Facility Support		3,295		3,295	3,295	0		
BUILDING SUPPORT TOTAL			3,295		3,295	3,295	0		
TOTAL ALL PROGRAMS			20,004		20,004	20,066	0		
	Efficiency Factor	25%							
% Increase from Existing Building GSF									
		5,525	362%		362%	363%	0%		



Programmatic Needs Assessment

Public Safety Building Study

Town of Tyngsborough, MA

Parking

Fire Station No.1

Vehicle Parking Requirements					
	STAFF PERSONAL VEHICLES	FD VEHICLES	Visitor vehicles	TOTAL	Notes
Fire Department Staff	10	4	0	14	
Public - Community Room & EOC	0	0	33	33	
TOTAL PARKING NEED	10	4	33	47	

FD Equipment List					
TYPE	NUMBER	SIZE (LxWxH)	TYPE		BAYS
Ambulance 1	1	22' x 8' x 10'	Enclosed		
Ambulance 2	1	22' x 8' x 10'	Enclosed		
Engine/Pumper	1	32' x 8' x 10'	Enclosed		
Ladder 1	1	38' x 8' x 12'	Enclosed		
Tank Truck	1	34' x 8' x 10'	Enclosed		
Air trailer	1	20' x 8' x 8'	Enclosed		
Boat/Trailer	1	26' x 8' x 10'	Covered		
Brush truck	1	24' x 8' x 8'	Covered		
Service truck	1	20' x 7' x 7'	Covered		
Chief's SUV	1	18' x 7' x 7'	Covered		



Programmatic Needs Assessment

Public Safety Building Study

Town of Tyngsborough, MA

Space ID Name

C-1 Common/Support Spaces Station No. 1

Space Designation			Space Need				Notes - Refer to the PD Space Program for Shared Common Spaces
No.	Function		2024 (current need)	2034	2044	Right size	
C-1	Common/Support Spaces						
C-1.1	Entry Vestibule	1	80	80	80	0	ADA accessible (8' x 10')
C-1.2	Public Lobby	1	200	200	200	0	Seating for 3-4, emergency phone, display case & smart monitor (10' x 20').
C-1.3	Public Restrooms @ 72 sf each	2	144	144	144	0	ADA accessible toilet rooms (8' x 9').
C-1.4	First Aid Room	1	100	100	100	0	Small exam table, 3-4 chairs, counter/cabinets - Adjacent to Lobby (10' x 10').
C-1.5	Training Room	50	1,250	1,250	1,250	0	Smart Boards, White Boards, Projector. Tech for Common Operating Picture (COP) during emergencies (35' x 40').
C-1.6	Training Room Furniture Storage	1	144	144	144	0	Lockable & secure (12' x 12').
C-1.7	Training Room Kitchenette	1	60	60	60	0	Sink, microwave, & refrigerator (6' x 10').
C-1.8	Training Room Unisex Toilet	1	72	72	72	0	Toilet & sink (8' x 9').
C-1.9	Fitness Room	1	625	625	625	0	Workout equipment, TV monitor & sound system (25' x 25').
	SUBTOTAL		2,675	2,675	2,675	0	
	Efficiency Factor	25%	669	669	669	0	
	TOTAL	C-1	3,344	3,344	3,344	0	



Programmatic Needs Assessment

Public Safety Building Study

Town of Tyngsborough MA

F-1 Fire Administration

STATION No. 1

Space Designation			Space Need				
No.	Function		2024 (current need)	2034	2044	Right size	Notes
F-1.1	Administrative Assistant/Receptionist	1,1,1	120	120	120	0	(1) Work Station - Computer & file storage cabinet - Adjacent to Chief's Office and conference room (10' x 12').
F-1.2	Fire Chief's Office	1,1,1	240	240	240	0	Private office - (1) desk, credenza, book case, TV monitor & small meeting table (15' x 16').
F-1.3	Assistant Chief Office	1,1,1	200	200	200	0	Private office - (1) desk, credenza, book case, TV monitor & small meeting table (12' x 16').
F-1.4	Fire Prevention/EMS Office	1,1,1	280	280	280	0	Private office - (2) desks, file storage, small meeting table & book case (16' x 20').
F-1.5	Shift Commander/Captain	1,1,1	168	168	168		Private office - (1) desk, file storage cabinets & radio cabinet - Adjacent to Lobby - Function as communication room 24/7 (12' x 14').
F-1.6	Firefighter work station	1,1,1	168	168	168		(2) Work stations (shared) - Ambulance/training report space - Adjacent to Day Room (12' x 14').
F-1.7	FD Command Conference Room - 8	1	192	192	192	0	Conference table/chairs, smart TV/computer monitor, phone & smart board (16' x 20').
F-1.8	Copier Room & Office Supplies	1	120	120	120	0	Open/closed space, copy/printer & office supplies (10' x 12').
F-1.9	Administration Files Storage Room	1	120	120	120	0	Secure storage (10' x 12').
F-1.10	Storage Closets @ 20 sf each	2	40	40	40	0	Secure storage (5' x 8').
F-1.11	Admin Suite Unisex ADA Toilet	1	72	72	72	0	ADA accessible toilet & sink (8' x 9').
	SUBTOTAL		1,600	1,600	1,600	0	
	Efficiency Factor	25%	400	400	400	0	
	TOTAL		2,000	2,000	2,000	0	



Programmatic Needs Assessment

Public Safety Building Study

Town of Tyngsborough, MA

Space ID Name

F-2 Fire Station Station No. 1

Space Designation			Space Need				Notes
No.	Function		2024 (current need)	2034	2044	Right size	
F-2.1	Individual Bunk Rooms @ 120 sf each	6,6,6	720	720	720	0	Four wardrobes (1 per shift), twin bed, small desk & chair - Adjacent to Day Room (10' x 12').
F-2.2	Male Toilet & Shower Room	2	200	200	200	0	Toilet, shower, sink, & storage (10' x 10').
F-2.3	Male Lockers	25	250	250	250	0	(25) 12" x 12" lockers with bench
F-2.4	Female Toilet & Shower Room	1	100	100	100	0	Toilet, shower, sink, & storage (10' x 10').
F-2.5	Female Lockers	5	125	125	125	0	(5) 12" x 12" lockers with bench
F-2.6	Quartermaster Supply Storage	1	200	200	200	0	Lockable room
F-2.7	Day Room	4,6,6	250	250	300	0	Adjacent to Kitchen/Dining - open concept with reclines, TV, computer station, & book case.
F-2.8	Kitchen	1	160	160	160	0	Adjacent to Day Room - commercial equipment - open to Dining Area - Outside grill area.
F-2.9	Pantry Storage Room	1	80	80	80	0	Adjacent to Kitchen
F-2.10	Dining Area	8,8,8	250	250	250	0	Adjacent to kitchen and day room - open concept
F-2.11	Living Quarter Laundry Room	1	80	80	80	0	Washer Drier - adjacent to bunk rooms (8' x 10').
F-2.12	Apparatus Bays (Existing 34' x 52').	3,3,3	3,120	3,120	3,120	0	New: (2) 18' x 52' & (1) 18' x 68' apparatus bays
F-2.13	Apparatus bays - Ambulance (Existing 15' x 52 - dbl. loaded).	1,1,1	1,285	1,285	1,285		New: (1) 18' x 68' ambulance bay (double loaded).
F-2.14	Bunker Gear Storage	30,30,30	750	750	750	0	Clean Gear - including a spare set in bags on shelving
		SUBTOTAL	7,570	7,570	7,620	0	
		Efficiency Factor 25%	1,893	1,893	1,905	0	
		TOTAL	9,463	9,463	9,525	0	



Programmatic Needs Assessment

Public Safety Building Study

Town of Tyngsborough, MA

LAVALLEE BRENSINGER ARCHITECTS

LBA Project no. 24-028-00

Fire Station Program

F-3 Fire Departmental Support Station No. 1

Space Designation			Space Need				Notes
No.	Function		2024 (current need)	2034	2044	Right size	
F-3.1	Decon/Extractor/Drying Room - PPE Heady Duty Washer/Extractor/Dryer (Hot zone)	1	140	140	140	0	Adjacent to Apparatus - (2) gear extractors, (1) gear dryer and (1) residential washer/dryer.
F-3.2	Male showers, lockers & toilets (Warm zone)	1	200	200	200	0	Adjacent to Decon
F-3.3	Female showers, lockers & toilets (Warm zone)	1	150	150	150	0	Adjacent to Decon
F-3.4	Air Compressor Room/Air Casade equipment Room - SCBA	1	200	200	200	0	Adjacent to Apparatus
F-3.5	Tool Storage/Equipment Work Room	1	200	200	200	0	Adjacent to Apparatus - Work bench, mop sink & tool storage.
F-3.6	Gear & equipment Storage	1	250	250	250	0	Adjacent to Apparatus
F-3.7	Emergency/Decontamination shower	1	40	40	40	0	Adjacent to Apparatus
F-3.8	Hose Drying Cabinet	2	80	80	80	0	Adjacent to Apparatus
F-3.9	EMS Storage	1	150	150	150	0	Lockable with adjacent large SS skullery sink - adjacent to Apparatus
F-3.10	EMS Ice Machine	1	40	40	40	0	Adjacent to EMS Storage
F-3.11	Appratus Bays Unisex ADA Toilet	1	72	72	72	0	Adjacent to Apparatus
	SUBTOTAL		1,522	1,522	1,522	0	
	Efficiency Factor	25%	381	381	381	0	
	TOTAL		1,903	1,903	1,903	0	



Programmatic Needs Assessment

Public Safety Building Study

Town of Tyngsborough, MA

LAVALLEE | BRENSINGER ARCHITECTS

LBA Project no. 24-028-00

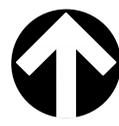
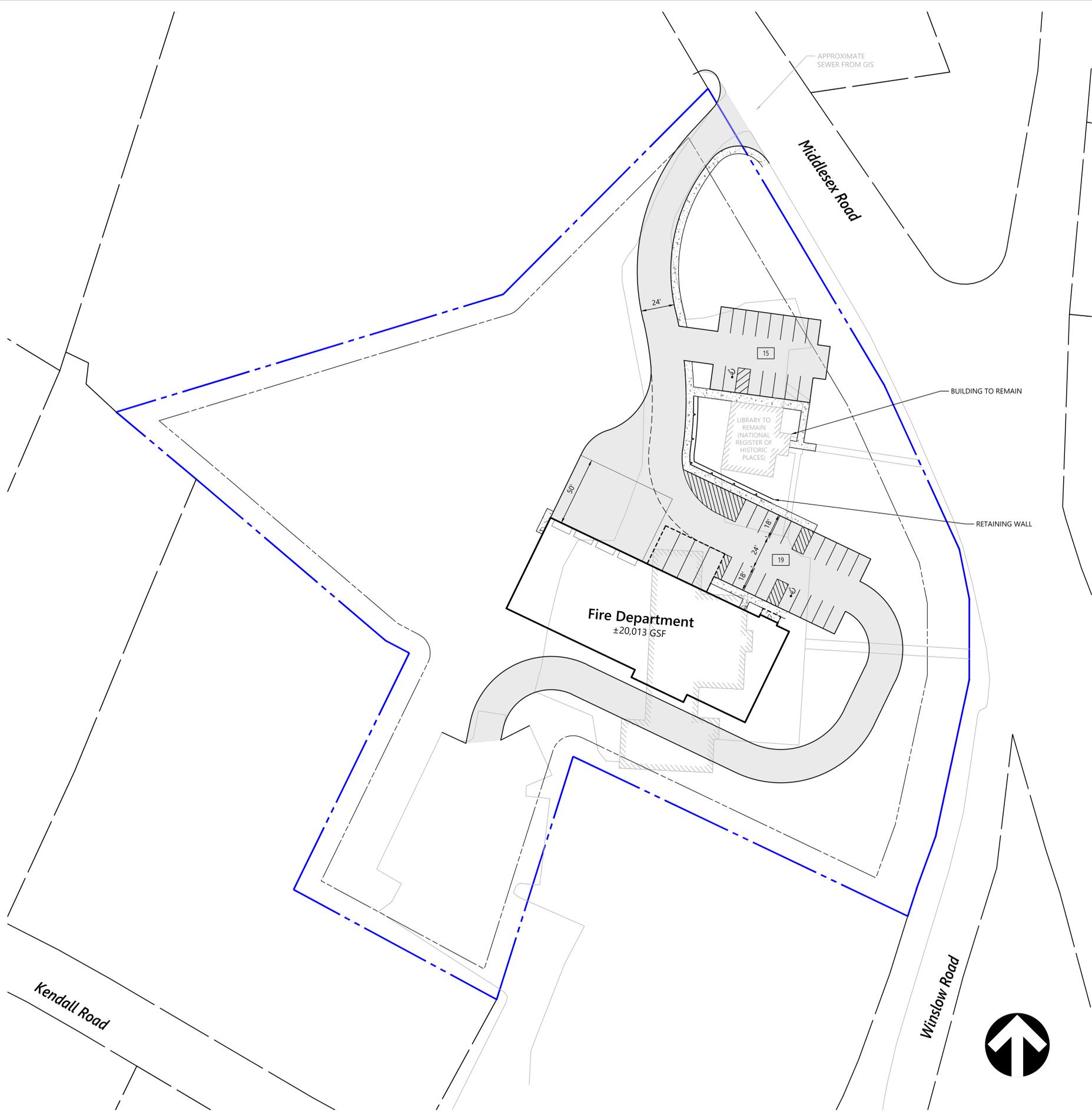
Fire Station Program

Space ID Name

S-1 Facility Support Station No. 1

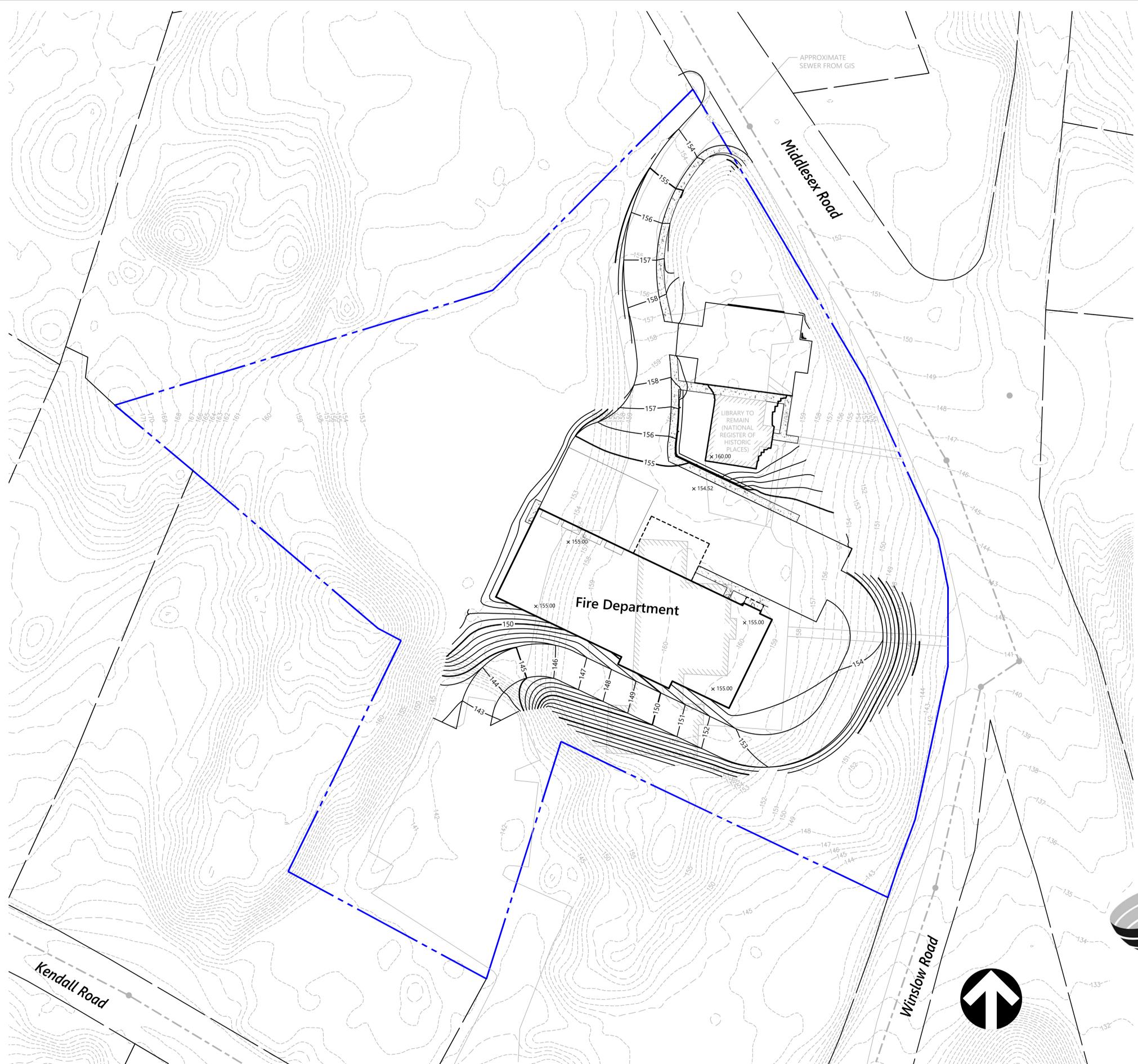
Space Designation			Space Need				Notes
No.	Function		2024 (current need)	2034	2044	Right size	
1-1.1	Trash/Recycling Storage	1	80	80	80	0	Adjacent to FD "back door"
1-1.2	Custodial Closets/Housekeeping Supplies @ 60 sf/floor	2	120	120	120	0	One per floor @ 60 SF
1-1.3	General Maintenance Supplies	1	100	100	100	0	
1-1.4	Mechanical Room	1	300	300	300	0	
1-1.5	Electrical Room	1	120	120	120	0	
1-1.6	Stair Tower @ 240 SF each	1	480	480	480	0	2 story building (10' x 24').
1-1.7	Training Tower @ 360 SF/each	1	720	720	720	0	Stair Training Tower footprint. Based on 1 stair tower and a 2 story building - Enclosed stair, standpipe & windows (12' x 30').
1-1.8	Telephone/Low Voltage	1	100	100	100	0	Secure room (10' x 10').
1-1.9	IT Server Room	1	144	144	144	0	Adjacent to the Admin Suite (12' x 12').
1-1.10	IT Storage	1	64	64	64	0	Secure room (8' x 8').
1-1.11	Telephone/Fiber Room	1	64	64	64	0	Secure Room (8' x 8').
1-1.12	IT/IDF Closets @ 32 sf each floor	2	64	64	64	0	Secure Room (8' x 8').
1-1.13	Elevator Machine Room	1	80	80	80	0	Secure Room (8' x 10').
1-1.14	Elevator @ 100 SF/Floor	1	200	200	200	0	8 x 8 (shaft 10 x 10) - Based on a 2 story building
	SUBTOTAL		2,636	2,636	2,636	0	
	Efficiency Factor	25%	659	659	659	0	
	TOTAL		3,295	3,295	3,295	0	

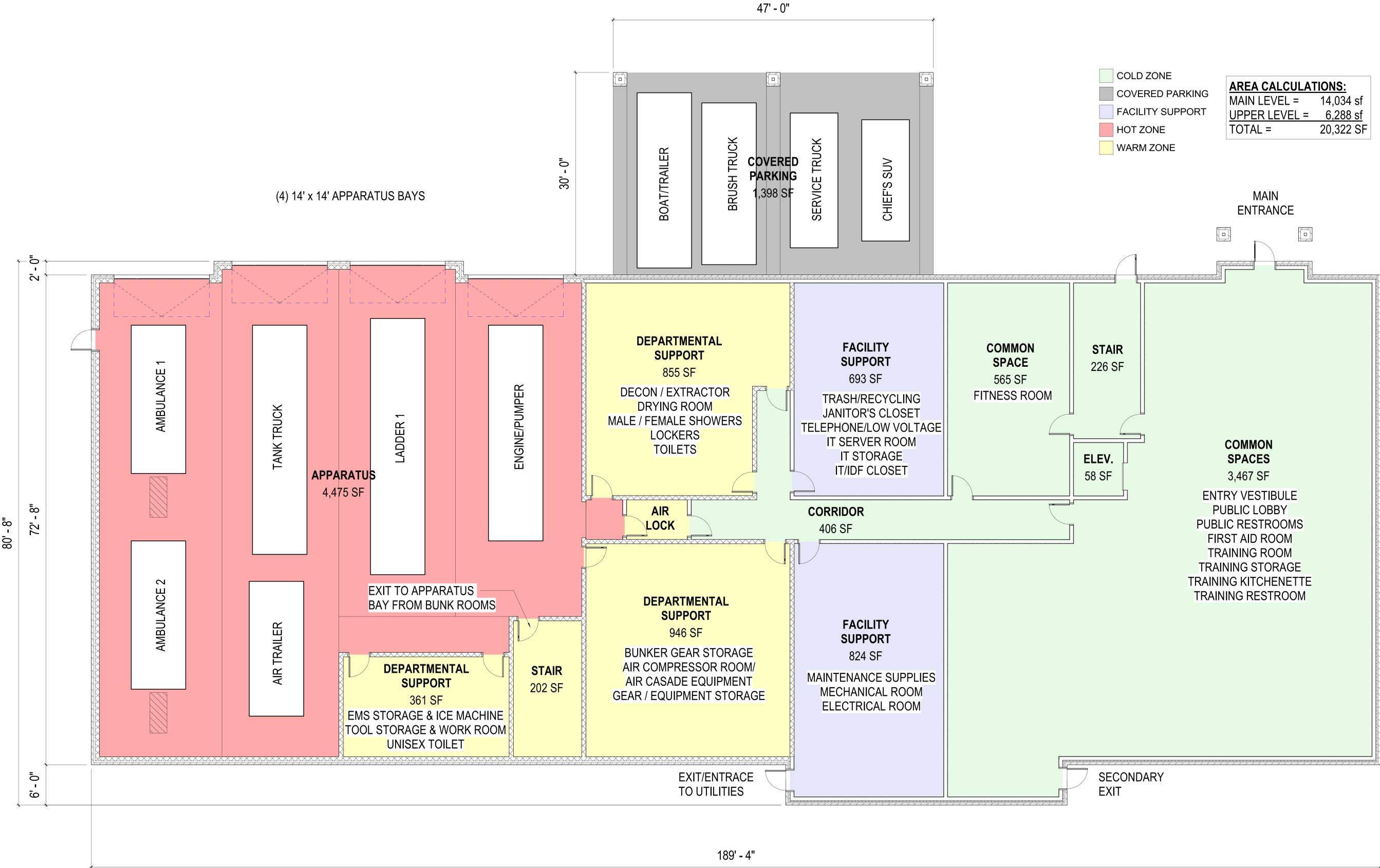




2 Bedford Farms Drive
Suite 200
Bedford, NH 03110
603.391.3900





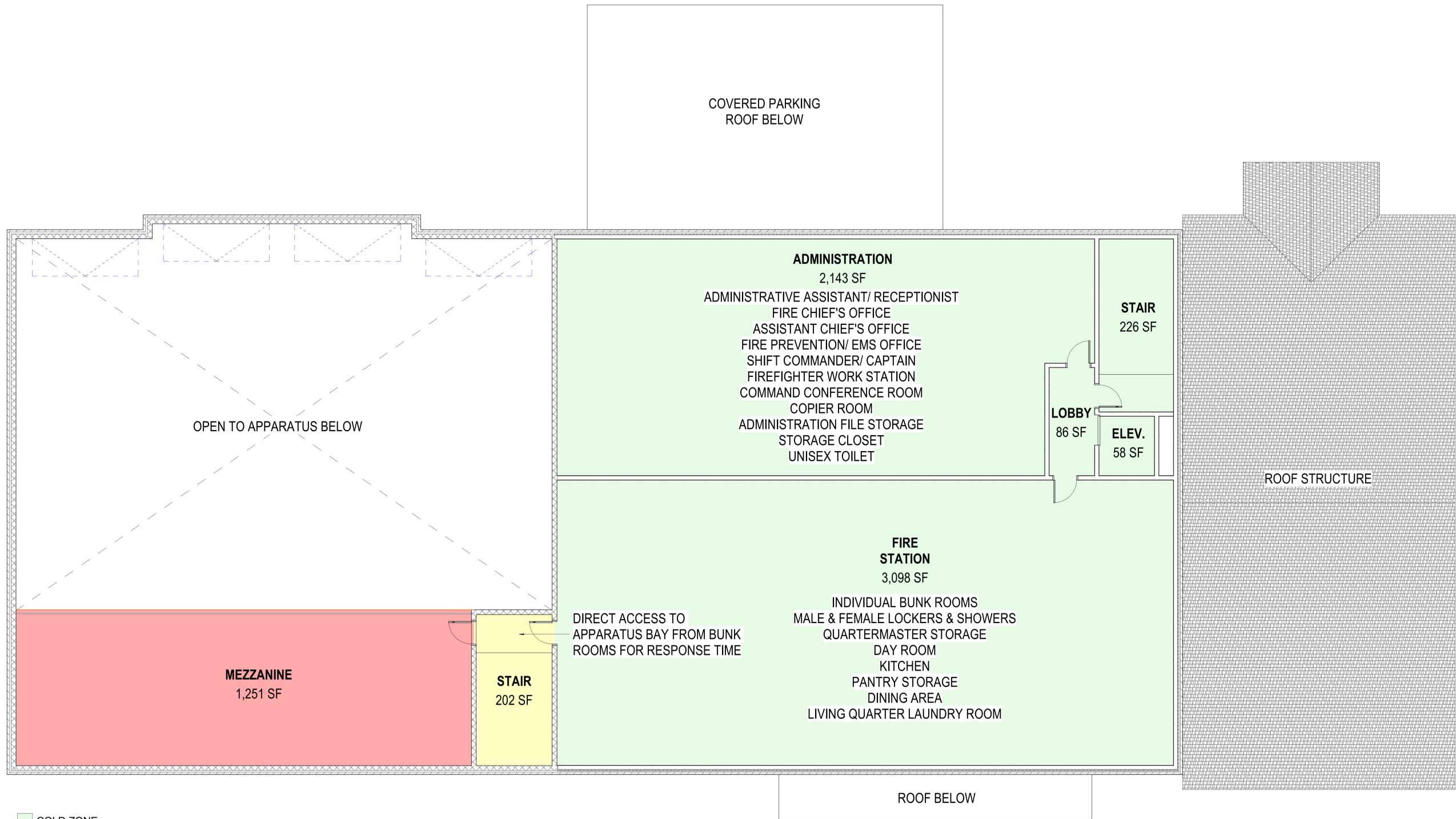


AREA CALCULATIONS:

MAIN LEVEL =	14,034 sf
UPPER LEVEL =	6,288 sf
TOTAL =	20,322 SF

- COLD ZONE
- COVERED PARKING
- FACILITY SUPPORT
- HOT ZONE
- WARM ZONE





- COLD ZONE
- COVERED PARKING
- FACILITY SUPPORT
- HOT ZONE
- WARM ZONE



Projected Architectural and Engineering Professional Fees

At the request of the Town we are providing projected A/E fees for the Schematic Design, Design Development, and Construction Documents phases of the proposed Fire Station relocation project. These phases represent 77% of the total A/E fee. The remaining phases comprising approximately 23% of the remainder are the Bidding and Construction Administration phases.

Based on the estimated project construction cost of \$19.33 million the A/E fees for the project phases noted above may range between \$950,000 to \$980,000. Breakdown per phase is as follows:

- Schematic Design Phase - \$300,000 to \$310,000
- Design Development Phase - \$300,000 to \$310,000
- Construction Documents Phase - \$350,000 to \$360,000

These fees are inclusive of standard architectural, civil engineering (including landscape architecture), mechanical/electrical/plumbing and fire protection engineering, and structural engineering services.

This is exclusive of the following:

- Reimbursable Expenses – this can range approximately 3% of professional fees
- Property Survey including boundary, topographic, utilities, and easements – Town has already prepared the survey
- Special Site Permitting including AoT, wetlands, state permits, etc. - \$15K to \$20K
- Traffic engineering and traffic signal design – will vary based on the scope
- Geotechnical exploration - \$20K to \$25K
- Environmental testing, design services, and abatement monitoring – will vary based on the scope
- Radio antenna and communication system design – will vary based on the scope
- FF&E selection and specification (furniture, fixtures and equipment) - \$25K to 35K
- LEED and Net Zero Ready design. A/E fees are based on meeting current MA Energy codes – will vary based on the scope and can range from \$50K to \$75K



TYNGSBOROUGH FIRE DEPARTMENT

MIDDLESEX ROAD - NEW CONSTRUCTION - CONCEPTUAL BUDGET

CONSTRUCTION BUDGET		Proposed Area: 20,322 s.f.	
Site Development		\$	2,750,000
Existing Building Demolition		\$	300,000
Building Construction 20,322 s.f. @ \$600		\$	12,193,200
Design and Construction Contingency - 10%		\$	1,524,320
Contractor General Conditions		\$	1,500,000
Construction Management Fee - 6%		\$	1,096,051
		Construction Budget:	\$ 19,363,571 \$ 952.84/psf
PROJECT SOFT COST - 25% of Construction Budget			
Architectural/engineering fees			
Geotechnical engineering			
Planning and permitting fees			
Builders' risk insurance			
Owner Project Manager			
Utility connection fees			
Backup generator			
Exterior signage			
Furniture, fixtures, equipment			
Gear storage, extractors, laundry equipment			
Security and IT equipment			
		Soft Cost Budget:	\$ 4,840,893 \$ 238.21/psf
		Total Project Budget:	\$ 24,204,464 \$1,191.05/psf

ALTERNATE:

50'x20' Covered parking structure \$ 225,000

CLARIFICATIONS:

The budget does not include temporary facility or relocation expenses.

This budget is based on construction commencing in Q3 of 2025. Escalation beyond this time should be added at 5% per year.

No new antennas or radio equipment is included in this budget. It is assumed that existing equipment will be reused.

Middlesex Road improvements or signalization costs are not included in this budget

JOBIN CONSTRUCTION CONSULTANTS, LLC



Programmatic Needs Assessment

Public Safety Building Study

Town of Tyngsborough, MA

Executive Summary

FINAL
5/31/2024

Executive Summary

Fire Station No.1

Space Designation			Space Need						
No.	Function	2024 (current need)	2034	2044	Right size	Notes			
COMMON/SUPPORT SPACES									
C-1	Common/Support Spaces	3,344	3,344	3,344	0				
COMMON/SHARED TOTAL		3,344	3,344	3,344	0				
FIRE DEPARTMENT									
F-1	Fire Administration	2,000	2,000	2,000	0				
F-2	Fire Station	9,463	9,463	9,525	0				
F-3	Fire Departmental Support	1,903	1,903	1,903	0				
FIRE TOTAL		13,365	13,365	13,428	0				
BUILDING SUPPORT									
S-1	Facility Support	3,295	3,295	3,295	0				
BUILDING SUPPORT TOTAL		3,295	3,295	3,295	0				
TOTAL ALL PROGRAMS		20,004	20,004	20,066	0				
	Efficiency Factor	25%							
% Increase from Existing Building GSF									
		5,525	362%	362%	363%	0%			

Programmatic Needs Assessment

Public Safety Building Study
Town of Tyngsborough, MA

FINAL
5/31/2024

Parking

Fire Station No.1

Vehicle Parking Requirements					
	STAFF PERSONAL VEHICLES	FD VEHICLES	Visitor vehicles	TOTAL	Notes
Fire Department Staff	10	4	0	14	
Public - Community Room & EOC	0	0	33	33	
TOTAL PARKING NEED	10	4	33	47	

FD Equipment List					
TYPE	NUMBER	SIZE (LxWxH)	TYPE		BAYS
Ambulance 1	1	22' x 8' x 10'	Enclosed		
Ambulance 2	1	22' x 8' x 10'	Enclosed		
Engine/Pumper	1	32' x 8' x 10'	Enclosed		
Ladder 1	1	38' x 8' x 12'	Enclosed		
Tank Truck	1	34' x 8' x 10'	Enclosed		
Air trailer	1	20' x 8' x 8'	Enclosed		
Boat/Trailer	1	26' x 8' x 10'	Covered		
Brush truck	1	24' x 8' x 8'	Covered		
Service truck	1	20' x 7' x 7'	Covered		
Chief's SUV	1	18' x 7' x 7'	Covered		

See attached apparatus & EMS bay layout

Programmatic Needs Assessment

Public Safety Building Study

Town of Tyngsborough, MA

FINAL
5/31/2024

Space ID Name

C-1 Common/Support Spaces Station No. 1

Space Designation			Space Need				Notes - Refer to the PD Space Program for Shared Common Spaces
No.	Function		2024 (current need)	2034	2044	Right size	
C-1	Common/Support Spaces						
C-1.1	Entry Vestibule	1	80	80	80	0	ADA accessible (8' x 10')
C-1.2	Public Lobby	1	200	200	200	0	Seating for 3-4, emergency phone, display case & smart monitor (10' x 20').
C-1.3	Public Restrooms @ 72 sf each	2	144	144	144	0	ADA accessible toilet rooms (8' x 9').
C-1.4	First Aid Room	1	100	100	100	0	Small exam table, 3-4 chairs, counter/cabinets - Adjacent to Lobby (10' x 10').
C-1.5	Training Room	50	1,250	1,250	1,250	0	Smart Boards, White Boards, Projector. Tech for Common Operating Picture (COP) during emergencies (35' x 40').
C-1.6	Training Room Furniture Storage	1	144	144	144	0	Lockable & secure (12' x 12').
C-1.7	Training Room Kitchenette	1	60	60	60	0	Sink, microwave, & refrigerator (6' x 10').
C-1.8	Training Room Unisex Toilet	1	72	72	72	0	Toilet & sink (8' x 9').
C-1.9	Fitness Room	1	625	625	625	0	Workout equipment, TV monitor & sound system (25' x 25').
		SUBTOTAL	2,675	2,675	2,675	0	
		Efficiency Factor 25%	669	669	669	0	
		TOTAL C-1	3,344	3,344	3,344	0	

Programmatic Needs Assessment

Public Safety Building Study

Town of Tyngsborough MA

FINAL
5/31/2024

F-1 Fire Administration

STATION No. 1

Space Designation			Space Need				Right size	Notes
No.	Function		2024 (current need)	2034	2044			
F-1.1	Administrative Assistant/Receptionist	1,1,1	120	120	120	0	(1) Work Station - Computer & file storage cabinet - Adjacent to Chief's Office and conference room (10' x 12').	
F-1.2	Fire Chief's Office	1,1,1	240	240	240	0	Private office - (1) desk, credenza, book case, TV monitor & small meeting table (15' x 16').	
F-1.3	Assistant Chief Office	1,1,1	200	200	200	0	Private office - (1) desk, credenza, book case, TV monitor & small meeting table (12' x 16').	
F-1.4	Fire Prevention/EMS Office	1,1,1	280	280	280	0	Private office - (2) desks, file storage, small meeting table & book case (16' x 20').	
F-1.5	Shift Commander/Captain	1,1,1	168	168	168		Private office - (1) desk, file storage cabinets & radio cabinet - Adjacent to Lobby - Function as communication room 24/7 (12' x 14').	
F-1.6	Firefighter work station	1,1,1	168	168	168		(2) Work stations (shared) - Ambulance/training report space - Adjacent to Day Room (12' x 14').	
F-1.7	FD Command Conference Room - 8	1	192	192	192	0	Conference table/chairs, smart TV/computer monitor, phone & smart board (16' x 20').	
F-1.8	Copier Room & Office Supplies	1	120	120	120	0	Open/closed space, copy/printer & office supplies (10' x 12').	
F-1.9	Administration Files Storage Room	1	120	120	120	0	Secure storage (10' x 12').	
F-1.10	Storage Closets @ 20 sf each	2	40	40	40	0	Secure storage (5' x 8').	
F-1.11	Admin Suite Unisex ADA Toilet	1	72	72	72	0	ADA accessible toilet & sink (8' x 9').	
			SUBTOTAL	1,600	1,600	1,600	0	
			Efficiency Factor 25%	400	400	400	0	
			TOTAL	2,000	2,000	2,000	0	

Programmatic Needs Assessment

Public Safety Building Study

Town of Tyngsborough, MA

FINAL
5/31/2024

Space ID Name

F-2 Fire Station

Station No. 1

Space Designation			Space Need				Notes
No.	Function		2024 (current need)	2034	2044	Right size	
F-2.1	Individual Bunk Rooms @ 120 sf each	6,6,6	720	720	720	0	Four wardrobes (1 per shift), twin bed, small desk & chair - Adjacent to Day Room (10' x 12').
F-2.2	Male Toilet & Shower Room	2	200	200	200	0	Toilet, shower, sink, & storage (10' x 10').
F-2.3	Male Lockers	25	250	250	250	0	(25) 12" x 12" lockers with bench
F-2.4	Female Toilet & Shower Room	1	100	100	100	0	Toilet, shower, sink, & storage (10' x 10').
F-2.5	Female Lockers	5	125	125	125	0	(5) 12" x 12" lockers with bench
F-2.6	Quartermaster Supply Storage	1	200	200	200	0	Lockable room
F-2.7	Day Room	4,6,6	250	250	300	0	Adjacent to Kitchen/Dining - open concept with reclines, TV, computer station, & book case.
F-2.8	Kitchen	1	160	160	160	0	Adjacent to Day Room - commercial equipment - open to Dining Area - Outside grill area.
F-2.9	Pantry Storage Room	1	80	80	80	0	Adjacent to Kitchen
F-2.10	Dining Area	8,8,8	250	250	250	0	Adjacent to kitchen and day room - open concept
F-2.11	Living Quarter Laundry Room	1	80	80	80	0	Washer Drier - adjacent to bunk rooms (8' x 10').
F-2.12	Apparatus Bays (Existing 34' x 52').	3,3,3	3,120	3,120	3,120	0	New: (2) 18' x 52' & (1) 18' x 68' apparatus bays
F-2.13	Apparatus bays - Ambulance (Existing 15' x 52 - dbl. loaded).	1,1,1	1,285	1,285	1,285		New: (1) 18' x 68' ambulance bay (double loaded).
F-2.14	Bunker Gear Storage	30,30,30	750	750	750	0	Clean Gear - including a spare set in bags on shelving
	SUBTOTAL		7,570	7,570	7,620	0	
	Efficiency Factor	25%	1,893	1,893	1,905	0	
	TOTAL		9,463	9,463	9,525	0	

Programmatic Needs Assessment

Public Safety Building Study

Town of Tyngsborough, MA

FINAL
5/31/2024

F-3 Fire Departmental Support Station No. 1

Space Designation			Space Need				Notes
No.	Function		2024 (current need)	2034	2044	Right size	
F-3.1	Decon/Extractor/Drying Room - PPE Heady Duty Washer/Extractor/Dryer (Hot zone)	1	140	140	140	0	Adjacent to Apparatus - (2) gear extractors, (1) gear dryer and (1) residential washer/dryer.
F-3.2	Male showers, lockers & toilets (Warm zone)	1	200	200	200	0	Adjacent to Decon
F-3.3	Female showers, lockers & toilets (Warm zone)	1	150	150	150	0	Adjacent to Decon
F-3.4	Air Compressor Room/Air Casade equipment Room - SCBA	1	200	200	200	0	Adjacent to Apparatus
F-3.5	Tool Storage/Equipment Work Room	1	200	200	200	0	Adjacent to Apparatus - Work bench, mop sink & tool storage.
F-3.6	Gear & equipment Storage	1	250	250	250	0	Adjacent to Apparatus
F-3.7	Emergency/Decontamination shower	1	40	40	40	0	Adjacent to Apparatus
F-3.8	Hose Drying Cabinet	2	80	80	80	0	Adjacent to Apparatus
F-3.9	EMS Storage	1	150	150	150	0	Lockable with adjacent large SS skullery sink - adjacent to Apparatus
F-3.10	EMS Ice Machine	1	40	40	40	0	Adjacent to EMS Storage
F-3.11	Appratus Bays Unisex ADA Toilet	1	72	72	72	0	Adjacent to Apparatus
	SUBTOTAL		1,522	1,522	1,522	0	
	Efficiency Factor	25%	381	381	381	0	
	TOTAL		1,903	1,903	1,903	0	

Programmatic Needs Assessment

Public Safety Building Study

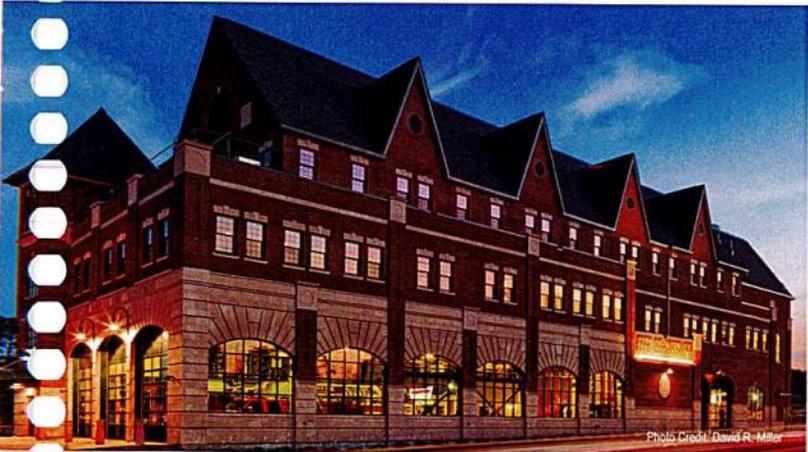
Town of Tyngsborough, MA

FINAL
5/31/2024

Space ID Name

S-1 Facility Support Station No. 1

Space Designation			Space Need				Notes
No.	Function		2024 (current need)	2034	2044	Right size	
1-1.1	Trash/Recycling Storage	1	80	80	80	0	Adjacent to FD "back door"
1-1.2	Custodial Closets/Housekeeping Supplies @ 60 sf/floor	2	120	120	120	0	One per floor @ 60 SF
1-1.3	General Maintenance Supplies	1	100	100	100	0	
1-1.4	Mechanical Room	1	300	300	300	0	
1-1.5	Electrical Room	1	120	120	120	0	
1-1.6	Stair Tower @ 240 SF each	1	480	480	480	0	2 story building (10' x 24').
1-1.7	Training Tower @ 360 SF/each	1	720	720	720	0	Stair Training Tower footprint. Based on 1 stair tower and a 2 story building - Enclosed stair, standpipe & windows (12' x 30').
1-1.8	Telephone/Low Voltage	1	100	100	100	0	Secure room (10' x 10').
1-1.9	IT Server Room	1	144	144	144	0	Adjacent to the Admin Suite (12' x 12').
1-1.10	IT Storage	1	64	64	64	0	Secure room (8' x 8').
1-1.11	Telephone/Fiber Room	1	64	64	64	0	Secure Room (8' x 8').
1-1.12	IT/IDF Closets @ 32 sf each floor	2	64	64	64	0	Secure Room (8' x 8').
1-1.13	Elevator Machine Room	1	80	80	80	0	Secure Room (8' x 10').
1-1.14	Elevator @ 100 SF/Floor	1	200	200	200	0	8 x 8 (shaft 10 x 10) - Based on a 2 story building
	SUBTOTAL		2,636	2,636	2,636	0	
	Efficiency Factor	25%	659	659	659	0	
	TOTAL		3,295	3,295	3,295	0	



MINEOLA FIRE DEPARTMENT

QUALIFICATIONS FOR

Schematic Design Services for a New
Tyngsborough Fire Department Headquarters



Qualifications for

Schematic Design Services
for a New Tyngsborough Fire
Department Headquarters



08.20.2025

Contact

David J. Pacheco, AIA
Senior Vice President,
Director of Operations

H2M Architects & Engineers, Inc.
360 Bloomfield Avenue,
Suite 406
Windsor, CT 06095



866.970.6535 ext. 2031



dpacheco@h2m.com

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→ TAB 3 ▶ Staffing Plan & Resumes

→ TAB 4 ▶ Signature Page
▶ Form A - Taxes, Non-Collusion & Signing Authority
▶ Form B - Standard Designer Application Form



architects + engineers

360 Bloomfield Avenue, Ste 406
Windsor, CT 06095 | tel 860.607.9011

August 18, 2025

Town of Tyngsborough
Colin F. Loiselle, Town Manager
Town Hall, 25 Bryant Lane
Tyngsborough MA 01879

RE: Qualifications for Schematic Design Services for a New Tyngsborough Fire Department Headquarters

Dear Mr. Loiselle:

The Town of Tyngsborough Fire Department delivers exceptional emergency response services to protect the residents, businesses, and property of Tyngsborough via its 26 Kendall Road location. As the Town population has grown and new technologies have emerged, there is a need for a new four-bay headquarters to operate 24/7. **H2M Architects & Engineers, Inc. (H2M)** offers unique expertise in fire station planning and design. The nature of response has evolved significantly in the last decade and fire departments must continually innovate, think proactively, and do more with less while strategically balancing resources and services. H2M has stayed well ahead of this evolution and has driven many of these trends through design, research, articles, teaching, and direct participation in the NFPA. We believe that the Town is undertaking a critical step to safeguard the future of its residents, businesses, and visitors. Why should H2M be trusted with this important project?

- **Experience:** We will utilize our extensive experience to help you succeed by bringing real-world proficiency, current industry trends, and out-of-the-box ideas to the table. H2M has completed more than 400 design projects across the Northeast, including numerous projects in Massachusetts and Connecticut. Most notably, H2M previously participated in a project team with Tecton Architects for the Town of Tyngsborough Public Safety Complex Study and Design Services project. From feasibility through design, we have made professional recommendations; assessed existing facilities; developed accurate budgets; prepared schematic designs; advised on materials that are sustainable, durable, and low maintenance; and guided our clients to the critical decisions concerning addition(s), renovation, repair, or pursuing new construction to optimize their response services. We will work with the Town to develop a cost-effective Schematic Design that meets the needs of its responders for years to come.
- **Leadership & Support Team:** As your proposed Principal-in-Charge, I bring more than 30 years of architectural experience having evaluated and/or overseen the design of 200+ emergency response facilities. In addition, as an elected fire commissioner, I possess a unique understanding of the Town's perspective and its responsibilities and have also helped to develop national standards that improve how emergency services facilities are designed by serving as an ASTM homeland security technical sub-committee member. Our Technical Advisor, Dennis A. Ross, AIA, who previously worked on the Tyngsborough Public Safety Complex Study, is currently serving on the NFPA Technical Committee on "Emergency Responders Occupational Health". The Committee has been tasked to develop a new Standard for Contamination Control, NFPA 1585, which recently went live. He led the task group for Chapter 5, Emergency Services Organization Facilities. Our proposed Project Manager, Katrina N. Pacheco, AIA, NCARB, LEED AP, MCPPO, will lead the Schematic Design, working closely with our in-house architects and engineers, as well as our Peer Reviewer, Tecton Architects, with whom we frequently collaborate.
- **Fire & Rescue Station Experts:** H2M brings unique expertise specifically in fire and rescue design. We are one of only two architects in the Country to be the leaders and organizers of the "Firehouse" Preconference Design Symposium since its inception. Two of the architects on our team are co-founders and instructors for the critically acclaimed One-on-1 Station Design Seminar. They were the organizers of the 2009, 2013, and 2017 One-on-1, were integrally involved in 2019, and were featured in 2021. Additionally, we write and mentor on numerous aspects of fire station design and construction. We were the first architect to present at the New York Law and Management Fire Station Seminar and have done so on several occasions.

H2M was also selected and tasked by the event managers of FDIC International to design and staff "The Fire and Rescue Station of the Future" which was built full-scale inside Lucas Oil Stadium and visited by more than 16,000 attendees. During this event, we led tours, answered questions, and explained the innovations within the station. This

H2M Architects, Engineers, Geology, Land Surveying and Landscape Architecture, DPC (NY) offers its services in NY only
H2M Architects & Engineers, Inc. (NJ) offers its services in NJ, DE, CT, FL, LA, MA, PA, VA only
H2M Associates, Inc. (NJ) offers its engineering, land surveying, landscape architecture services in NJ only
H2M will provide appropriately licensed staff for this project - see Staffing Plan for details.

h2m.com



Town of Tyngsborough
August 18, 2025
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honor is the result of developing a reputation for innovative design, strong leadership, and the depth of expertise our staff brings to every project. We believe an added benefit to the Town is that we are already looking ahead to potential new trends and crucial issues.

What defines a successful project? Awards, accolades, profit, innovation? We believe a successful project is one that functionally fulfills the needs, objectives, and vision of the Town of Tyngsborough and meets the needs of the end users. We look forward to continuing our working relationship with the Town for a truly successful project. Please feel free to contact me at (860) 607-9011 ext. 2031 or via email at dpacheco@h2m.com. Thank you for your consideration.

Sincerely,
H2M architects + engineers

David J. Pacheco, AIA
Senior Vice President, Director of Operations



Understanding of Project Goals

H2M recognizes that the Town of Tyngsborough is seeking to develop a modern, resilient, and operationally efficient Fire Department headquarters that meets current and future needs. The facility must support emergency response, firefighter health and wellness, community engagement, and long-term sustainability.

The success of this project will be dependent on the management and organizational approach utilized by our team. The successful completion of the new Fire Department headquarters requires a team that is characterized by strong project management, communication, technical excellence, and experience.

As design professionals, H2M strives to listen, assist, guide, and recommend solutions for our clients in all aspects of architecture and engineering. We have a long history of working with municipalities and fire departments to develop the best solutions for their facility needs, within their budgets. Our goal is to design projects using input directly from those that manage the facility and the end users, partnering with those individuals during the design process, so the final product is one that is visually appealing, organized, well-constructed, efficient, and economical. Through communication and teamwork, we propose to develop a state-of-the-art facility for the Town and Fire Department.

The teams assigned to this project will be under the direction of, and all logistical assignments will be coordinated through the authority of our Principal-in-Charge David J. Pacheco, AIA. The project approach for this assignment is described below. An organizational chart and resumes which graphically represents our team is provided within our qualifications response.

We are committed to integrating the right people, an explorative process, optimal communication, and detailed procedures to ensure the best possible design for your facility. Our architectural staff and consultant partners are carefully selected for their ability to place client needs foremost and work together with mutual respect and total project ownership. Of particular importance for your project, we have included Tecton Architects (Tecton) as an additional subject matter expert and peer review partner. Tecton is dedicated to the design of public safety facilities and nationally recognized for their leading-edge research and development of fire station design standards. Tecton and H2M have a long-standing professional relationship providing consulting services with each other. This experience was on display when our team previously executed services for the Town of Tyngsborough in the past.

In addition to our architectural staff and consultant, H2M has organized a specialized team of landscape architects, engineers, planners, and more. The team's organizational structure has been established based upon the dedicated structure that we have built within our firm and along the

various disciplines that we anticipate will be required for this project. Each team member has a depth of knowledge and experience with this specific type of facility. The new headquarters will be complicated and unique and require technical knowledge from those executing the work. Our team members are uniquely qualified to provide that knowledge.

Our proposed Project Manager, Katrina N. Pacheco, AIA, LEED AP, MCPPO, will hold project meetings with the various in-house disciplines to discuss project status and progress, address questions and issues on the project, identify questions that need to be presented to the Town and Fire Department, and allocate resources, to maintain the project schedule. An overall project schedule will be maintained throughout all phases of the project, and Katrina will collaborate with the Town, Building Steering Committee, regulatory agencies, and contractors as needed.

Our experience working with governmental agencies within the public safety market has demonstrated our ability to complete assignments on time and on budget. Our staff has extensive experience working together as a team, which will lead to the best product for the Town.

Work Plan

▶ Operations-Based Programming

Our approach begins with a comprehensive operations-based programming phase, engaging stakeholders to define:

- Response protocols and operational workflows.
- Equipment and apparatus needs.
- Staff accommodations, including gender equity and wellness.
- Community interface and public access.
- Flexibility for future expansion and evolving technologies.

H2M will conduct an in-depth and detailed workshop with the Town and Stakeholders to create an operations-based program for the proposed facility. The program will ultimately be a space needs assessment integrated with detailed operational evaluations. H2M's team can tour existing stations and meet with the Town and Department officials to create a dynamic tool that can account for flexibility and changing requirements over time. The program will, at a minimum:

- Determine the scope and operations of the Town/Department by employing tools and techniques developed by H2M specifically for public safety facilities. Each program will anticipate additional needs, changing operations over time, and the flexibility to accommodate these needs.
- Describe critical functions, specific requirements, and activities within the facility and on the site.
- Identify crucial operations, priorities, security/public protocols, important response issues, and operational efficiencies.



- Obtain from the Town/Department the desired program spaces, number of personnel, current and future vehicles and apparatus, and determine current and future needs.
- Examine current operations and potential for flexibility and change over the foreseeable future. As security, response, and operations transform over time, both interior and exterior flexibility will offer the Town and Department opportunities to manage change.
- Pay particular attention to Department/public interactions, procedures, public needs, and security issues.
- Examine the requirements for gender equity and the unique environment for officers, firefighters, and staff as it relates to sleeping quarters, bathrooms, and showers.
- Assess current and future technologies and how these can affect the various functions.
- Address red/yellow/green zone protection to ensure firefighter safety from cancer causing agents throughout the firematic facility (Firefighter Cancer Awareness) – NFPA 1585.
- Develop a strategy for facility hardening and mitigation as it relates to both natural and man-made disasters.
- Critical infrastructure, redundant power, communications, etc.
- Plan for the future as it relates to conversion to electric power.
- Potential electric apparatus.
- Use of electric firefighting equipment, drones, and more.
- Discuss HVAC options to address individual comfort controls, while also providing systems that limit the transmission of airborne viruses.
- Address potential Fossil Fuel Free (FFF) options for the new station.
- Address energy use and sustainability issues as they pertain to operations, scope, response, and long-term viability.

Based on the various programs, a space analysis spreadsheet will be created to specify probable room and building size for the total facility. This spreadsheet provides an early look at potential room and building size. We will develop a conceptual budget (per SF cost) for construction that utilizes the program and space analysis and includes site work. The program and space analysis are critical to make meaningful decisions and recommendations about available options for the future. At this point, the Town will possess a size, scope, and conceptual construction budget to determine if the project is on target with their budget, vision, and goals.

► **Site Evaluation & Feasibility**

H2M will conduct a detailed site evaluation, assessing:

- Parcel size, access, topography, and utilities.

- Emergency vehicle circulation and public parking.
- ADA compliance and zoning constraints.
- Opportunities for training areas and future expansion.

Our team can also evaluate geotechnical conditions and environmental factors, leveraging our partnerships with local geotechnical/boring companies. Our in-house structural and civil engineers will assess structural capacity of the existing soils, as well as any potential site drainage issues, respectively. These items are critical in the early budgeting and planning process.

As requested, prior to commencing with any drawings and renderings, H2M will evaluate the feasibility of using parts of the existing school building on the site as administrative space and building the garage bays and other space off of a part of the existing building. Utilizing and repurposing existing structures is a common practice for our team. We have extensive experience bringing existing structures up to code and repurposing them. Of particular note, we will assess the feasibility of enhancing the existing structure of the school to meet the appropriate requirements of an "essential facility" as per the building code. There is typically a significant amount of cost with this process, and weighing this option against building new will be an important part of this phase.

► **Design Strategy**

Our design will reflect best practices in fire station planning, including:

- Hot/cold zone separation to mitigate carcinogen exposure.
- Decontamination areas, gear extractors, and exhaust systems.
- Flexible bunking and locker rooms to support gender equity.
- Natural daylighting and quiet zones to support mental health.
- Integrated training features such as mezzanines, bailout windows, and confined space modules.
- Incorporate LEED-equivalent strategies and explore all-electric building systems to align with the Town's sustainability goals.

► **Schematic Design & Preliminary Drawings**

Using the operations-based program and information identified during site evaluations, H2M will deliver the items below:

- Schematic floor plan alternatives, schematic building elevations, and schematic site plans that adhere to the project scope developed in the programming phase. We will conduct workshops with the Town to review these documents and procure feedback to further the design.



- Floor plans indicating proposed room names, square footages, and overall building dimensions.
- Site plans indicating all buildings and site structures, site entry and egress, landscaping, curb cuts, parking, and pedestrian flow, as well as location of other site features requested by the Town.
- Schematic site utilities plan indicating intended locations of site utilities and their relationship to other site structures and obstructions.
- Building elevations indicating proposed building materials, floor to floor heights, and roof height/overall building height.
- Conceptual renderings of the exterior indicating intended material usage. Physical samples will be provided.
- After the conceptual design is approved, H2M will conduct a workshop to present revised/updated floor plans, schematic site plans and exterior building elevations, incorporating comments gathered during the previous workshop.
- A presentation or meeting with the community can/will be provided at this milestone and in accordance with the community engagement strategy developed between the Town, H2M, and other stakeholders.

► Cost Estimating

H2M will work closely with our in-house cost budgeting team and a professional construction cost estimator who we have worked extensively with in the state of Massachusetts to generate the information needed for an accurate construction budget. Our team will:

- Prepare an itemized construction cost opinion for the schematic design and review it with the Town. Work with the Town to refine construction cost opinion and project scope to meet project budget constraints. The construction cost opinion shall be based on current industry pricing for public works type projects.
- Develop an opinion of probable construction costs based on the 16 divisions of construction.
- Factors based on the marketplace conditions, probable start date, labor rates, Massachusetts bidding requirements, geographic location, municipal ownership, new construction, commercial contractors, bonding, insurance, and other detailed project information all bring accuracy to the budget
- Design and budget for key infrastructure to accommodate systems, fire equipment, vehicles, and apparatus.
- Sustainability and energy efficiency costs will be accounted for in the estimate.
- Assist the Town in developing a conceptual soft cost budget anticipated for the project. Soft costs are project costs other than construction hard costs. These can include professional fees, fixtures, furnishings

and equipment (FFE), specialty equipment, security, communications, etc.

- Consider value engineering practices to monitor and control costs.
- A final summary of all costs will be prepared so a total project cost opinion can be developed and used to determine the total project cost. The final project cost opinion will include total construction costs (hard costs), allowances, contingencies, and all soft costs including professional fees, legal fees, permitting costs, filed sub-bids, reproduction costs and the costs of any reports or investigations (asbestos testing and analysis reports, etc.).
- Cost opinions can be delivered at critical milestones as defined by the Town and team.

► Stakeholder Engagement

We will facilitate:

- Kick-off and programming workshops.
- Design review meetings at appropriate milestones.
- Public presentations and community engagement sessions.
- Coordination with local authorities for permitting and approvals.

Deliverables

- Operations-Based Program and Space Analysis.
- Conceptual Site and Floor Plans.
- Preliminary Budget and Cost Estimates.
- Draft and Final Feasibility Reports.
- Recommendations for phasing, temporary facilities, and future growth.

Schedule

Description ↓	Schematic Design															
	Month 1				Month 2				Month 3				Month 4			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Selection/Contract																
Stakeholder Meeting	*															
Project Admin																
Operations-Based Programming																
Site Evaluations & Feasibility																
Schematic Design																
Estimate																
Value Consulting																
Review/Approval							*				*					*
Stakeholder Engagement																



Here at H2M, we value people.



H2M was organized in 1933 and founded on the principles of professional excellence, hard work, and integrity.

Practical Approach. Creative Results.

H2M is a multi-disciplined professional consulting and design firm with a proud legacy of client service and a proven ability to tackle complex architectural, engineering, and environmental challenges. Since 1933, we have played a vital role in shaping local communities—designing and improving essential infrastructure such as water treatment plants, emergency response facilities, schools, roadways, public buildings, and more.

With decades of experience, we have built a reputation for delivering high-quality, client-focused solutions that balance innovation with practicality. Our approach is rooted in collaboration, technical excellence, and a deep understanding of the communities we serve. Whether navigating regulatory complexities, addressing evolving environmental concerns, or designing spaces that enhance everyday life, H2M remains committed to providing sound judgment, creative problem-solving, and exceptional service at every stage of a project.

H2M takes pride in the depth and diversity of our comprehensive in-house service capabilities. With a team of over 580 professionals—including architects, engineers, surveyors, scientists, planners, landscape architects, inspectors, and technical support specialists—we provide a fully integrated, multidisciplinary approach to our clients.

H2M Staff by Discipline



OPERATING PHILOSOPHY

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Our People

We commit to developing our people and rewarding hard work with growth opportunities in an inclusive professional environment.

Our Clients

We commit to being trusted advisors for our clients and delivering problem solving value and quality on every project.

Our Communities

We commit to creating thriving and healthy communities by giving of ourselves and developing sustainable solutions that benefit everyone.

V
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We exist to improve the quality of life for everyone in our reach by empowering our diverse talent to sustainably solve the challenges of the built environment.

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We Stand as One H2M

Inclusive. Supportive. Collaborative. No matter where you are.

We Challenge One Another

We show up curious and push boundaries.

We Do the Right Thing

Our character is built on doing what is right and ethical.

We Work Safely

We care for the lives of our people and their families.

We Own it

We hold ourselves accountable for team success and personal achievement.

We Embrace Diversity

We acknowledge and honor the fundamental value and dignity of all individuals.



Architecture

- Architectural design
- Comprehensive grant programs
- LEED design processes
- Interior design
- Removal of barriers to the handicapped
- Master plans and revisions
- Needs assessments
- Planning studies
- Building conditions surveys
- Restoration of historic structures
- Restaurant and kitchen design
- Zoning ordinance review
- Educational facilities design
- Assisted living facilities design

Civil/Site & Structural Engineering

- Roadway reconstruction and resurfacing
- Site plan design
- Street lighting
- Flood control and drainage
- Irrigation systems
- Sidewalks and curbs
- Storm drainage systems
- Water mains
- Local roadway study and design
- Subdivision design
- Streetscape design and improvements
- Parks, playgrounds, athletic fields
- Parking fields
- Highway planning studies
- Intersection design and improvements
- Visual impact analyses
- Geographic Information Systems (GIS)
- Green infrastructure design
- Structural conditions assessments
- Structural building design
- Structural renovations/alterations
- Cause and origin investigations
- Retaining walls, bulkhead, and culvert design
- Storm hardening/resiliency
- Expert testimony

Construction Phase Services

- Construction management/administration
- Resident engineering
- Construction inspection (F/T or P/T)
- Daily/weekly/monthly project reporting
- Utility coordination
- Weekly job progress meetings/minutes
- Schedule review
- Change order processing
- Payment requisition processing
- Project startup
- Commissioning
- Prepare punch list
- Project closeout
- Record drawings

Environmental Engineering & Services

- Air and water pollution control
- Hazardous waste management
- Hazardous materials storage design
- Waste minimization
- Environmental Impact Statements (EISs)
- Wetland delineation
- Environmental Site Assessments (ESAs)
- Environmental compliance audits
- Environmental permitting
- Site investigations
- Brownfield assessments

- Solid waste management facility design
- Solid waste facility operational assessments
- Waste & materials quantification & characterization analysis
- NYSDEC Part 360 Regulatory Compliance & Permitting
- Remedial investigations/feasibility studies
- Risk assessments
- Above and underground tank management
- Soil and groundwater remediation
- Soil vapor intrusion studies
- Regulatory compliance programs
- Industrial hygiene
- Indoor air quality
- CM/LBP/mold inspections and abatement
- Computer modeling
- Asbestos investigation and removal
- Geographic Information Systems (GIS)

Land Surveying

- Boundary and title surveys
- Topographical surveys
- Horizontal and vertical control surveys
- Hydrographic surveys
- Route surveys
- Subdivision planning
- Sanitary and drainage study maps
- Legal descriptions
- Construction layout services
- As-built surveys
- Architectural surveys
- Structural surveys
- Under-construction inspection surveys
- Easement survey and description

Landscape Architecture

- Tree inventory and assessment
- Tree mitigation
- Landscape design and restoration
- Conceptual site design
- Landscape planning
- Illustrative renderings
- Landscape architectural detailing
- Streetscape and urban design
- Parks and playgrounds design
- Campus landscape design
- Private estate and residential design
- Planting design
- Wetlands mitigation
- Green infrastructure

MEP Services

- Electrical systems design
- Feasibility and implementation studies
- Power supply
- Exterior and interior building services
- Closed-circuit television security systems
- Emergency power generation
- Site/systems and load evaluations
- Energy studies
- Site lighting design
- Fire and security systems
- SCADA systems
- Utility company rebates and incentives
- HVAC systems design
- Heat and cooling load analysis
- Steam systems
- Hydronics
- Heat recovery systems
- Chillers and cooling towers
- Laboratory ventilation systems
- Site/systems evaluations

- Feasibility/implementation studies
- Energy conservation
- Cost/benefit analysis
- Commissioning/testing

Planning

- Comprehensive master planning
- Parks, open space and recreation planning
- Environmental and natural resource planning
- SEQRA and EIS documentation and process support
- Community visioning
- Zoning ordinances and analysis
- Redevelopment studies and plans
- Geographic Information Systems (GIS)
- Urban design
- Strategic solid waste management planning
- Stormwater management program planning
- FEMA hazard mitigation & resilience planning
- Design guidelines
- Renderings
- Feasibility studies and conceptual plans
- Downtown revitalization
- Expert private testimony
- Municipal board representation

Wastewater Engineering

- Characterization/quantification of waste
- Treatment facility evaluation
- Scavenger waste facility design
- Outfalls and leaching systems design
- Chemical feed systems design
- Monitoring and control systems
- Nutrient removal treatment systems design
- Facility planning studies
- Wastewater treatment studies
- Wastewater treatment plant design
- Wastewater reuse design
- Standby power systems
- Sludge thickening, dewatering
- Sludge treatment, disposal
- Odor control
- UV and chemical disinfection systems
- Sewer system extension planning
- User cost analysis
- Sanitary sewer design
- Sewer rehabilitation studies and design
- Infiltration/Inflow evaluation
- Pump station evaluations and design
- Sewer flow modeling
- Security systems
- Geographic Information Systems (GIS)
- Discharge monitoring reports
- Plant performance monitoring
- Preparation of O&M manuals
- Facility start-up and operations
- Groundwater/effluent monitoring programs
- Operator training
- Industrial pretreatment programs
- Prepare/revise sewer use ordinance

Water Engineering

- Supply well design
- Plant rehabilitation design
- Water treatment systems
- Water filtration systems design
- VOC removal treatment systems design
- Distribution system analysis and design
- Distribution hydraulic modeling
- Automated mapping/facilities mapping
- Storage tank rehabilitation/repainting
- Storage tank design
- Tank and coatings inspection
- Instrumentation and computer control designs
- Comprehensive groundwater modeling
- Geographic Information Systems (GIS)
- Aquatics and park design
- Public swimming pool design
- O&M programs
- Training programs
- Asset management



The Core of Excellence is an H2M exclusive initiative that sets us apart from the competition with a focus on excellence and quality as a core element of our services. It's a firm-wide commitment to deliver excellence through innovative and best-in-class service to our clients, colleagues, and ourselves. H2M's Core of Excellence is comprised of four key components:

 QA/QC	 SCHEDULING	 SPECIFICATIONS
<p>We demonstrate our commitment to ensuring quality at the corporate level through our appointment of a full-time Director of Corporate QA/QC to lead the development, implementation, and oversight of H2M's Quality Management System (QMS). This commitment is further reinforced by established quality assurance team members who, independent of the project design team, assure that H2M's components of quality are incorporated. H2M's QMS is comprised of a combination of processes, tools and resources available to all H2M staff. These include Quality Control Checklists, established QA/QC communication channels, and templates all made accessible through H2M's comprehensive Project Management Framework.</p>	<p>We recognize the importance of timely project delivery and take great pride in our ability to quickly mobilize, assign staff, and complete projects on time. H2M developed a custom scheduling interface allowing for consistent data inputs from the entire firm on a bi-weekly basis. This is transitioning to a centralized scheduling database that allows real-time total team scheduling updates and awareness, allowing H2M to actively adapt our resources to meet the needs of even the most demanding project schedules. We can share detailed, easy to read graphic schedules with our clients, allowing them to always have their finger on the pulse of their project's timeline.</p>	<p>Our focus and commitment to excellence and quality is further reflected in our Master CSI-based Specifications Library. A dedicated, full-time Specifications Manager oversees the continual development, standardization, and maintenance of our Master Specifications. H2M utilizes a cloud-based specification software platform that allows all users direct access to our Master Specifications Library to develop project-specific spec books. This process ensures that our project specifications include the latest updates in product data and reference standards.</p>
 BIM/CAD	 SAFETY	 CLIENT BENEFITS
<p>Building Information Modeling (BIM) has revolutionized the A/E/C industry. By using intelligent 3-D digital models to generate our designs, H2M can achieve a higher level of quality, consistency, and efficiency in our production process, minimizing the potential for change orders during construction. We employ a full-time, dedicated, and independent team comprised of design professionals and BIM-CAD specialists whose primary responsibilities are to create, deploy, and maintain company-wide standards, templates, procedures, and workflows. Our adoption of BIM has been the single most important change in how we design and manage our projects.</p>	<p>Safety is essential at H2M. We employ a dedicated corporate health and safety manager within the Core of Excellence. H2M has established mandatory safety training and is actively implementing the Plan-Do-Check-Act methodology. By incorporating safety into our overall quality management systems, we ensure that all of our staff can get home safely each day and that we proactively respond to our clients' health and safety requirements.</p>	<ul style="list-style-type: none"> ★ Well-coordinated construction documents that reduce project change orders and minimize cost overruns ★ Consistent quality and proven performance ★ Optimized resource allocation to meet project demands ★ Increased compliance with the latest industry and regulatory standards ★ Enhanced project visualization via 3D modeling ★ Improved collaboration among all project stakeholders



► Firm Qualifications & Experience

Public Safety Clients

- Albany County 911
- Albertson H. & L.E. & H. Co.1, Inc.
- Apalachin Fire District
- Atlantic Beach Fire District
- Baldwin Fire District
- Bayport Fire District
- Bay Shore Fire District
- Bedford Fire District
- Bellmore Fire District
- Bellmore-Merrick Volunteer Ambulance Company
- Bethpage Fire District
- Bohemia Fire District
- Borough of Metuchen, NJ
- Borough of Somerville, NJ
- Brentwood Fire District
- Brentwood Legion Ambulance Service
- Brookhaven Fire District
- Brunswick Fire Department, ME
- Capitol View (Morrisville) Fire Company, PA
- Carlisle Fire District #1, PA
- Cardinal Joint Fire District, OH
- Carmel Fire Department
- Catskill Fire District
- Center Moriches Fire District
- Central Islip Fire District
- Charlton Volunteer Fire Department
- Church Hill Volunteer Fire Co., MD
- City of Auburn Public Safety
- City of Barre, VT
- City of Beacon Fire Department
- City of Calgary, AB
- City of Dunkirk
- City of Fort Lauderdale, FL
- City of Greenfield, MA**
- City of Lethbridge, AB
- City of Lincoln, NE
- City of New Rochelle Fire Department
- City of New York (FDNY)
- City of Norwalk, CT
- City of Poughkeepsie
- City of Pueblo, CO
- City of Jersey City Fire Department, NJ
- City of Rensselaer Police
- City of Schenectady
- City of Scranton, PA
- City of Stamford Fire Rescue, CT
- City of Watervliet
- City of Wolforth, TX
- City of Worcester, MA**
- Clarks Summit Fire Company #1, Inc., PA
- Cold Spring Harbor Fire District
- Colmar Fire Company, PA
- Conshohocken Fire Company #2, PA
- Consolidated Nuclear Security (Y-12), TN
- County of Fairfax, VA
- County of Saratoga
- Copiague Fire District
- Cortez Fire Protection District, CO
- Dewitt Fire Department
- East Greenbush Fire Company
- East Islip Fire District
- East Meadow Fire District
- East Northport Fire District
- East Syracuse Fire and State Police
- Elmont Fire District
- Elmwood Park Fire District
- Exchange Ambulance of the Islips
- Fairfax County, VA
- Fair Harbor Fire District
- Fayetteville Fire & EMS
- Floral Park Fire Department
- Fort Washington Fire Company, PA
- Franklin Square & Munson Fire District
- Fuller Road Fire Department
- Garden City Park Fire District
- Glenville Hill Fire District
- Glenwood Fire Company
- Good Will Fire Company #1, PA
- Gordon Heights Fire District
- Great Barrington Fire Department, MA**
- Greenlawn Fire District
- Guilderland Fire District
- Hagerman Fire District
- Halfmoon-Waterford Fire District
- Hamden Fire Department
- Hampton Bays Fire District
- Hauppauge Fire District
- Henrico County, VA
- Herman Volunteer Fire Company, PA
- Hicksville Fire District
- Horsham Township Battalions 1 & 2, PA
- Huntington Community First Aid Squad
- Huntington Fire District
- Huntington Manor Fire District
- Islip Fire District
- Jackson County 911, MO
- Jericho Fire District
- Jonesville Fire District
- Keene Fire District
- Kings Park Fire District
- Kingston Fire Department, PA
- Kent Island Volunteer Fire Dept & EMS, MD
- Lansing Fire District
- Lehigh Fire Department, PA
- Levittown Fire District
- Long Lake Fire District
- Manhasset-Lakeville Fire District
- Manorville Community Ambulance
- Manorville Fire District
- Massapequa Fire District
- Mastic Beach Ambulance Company
- Mastic Fire District
- Mastic Volunteer Ambulance
- McKownville Fire District
- Meadowmere Fire District
- Melrose Fire District
- Melville Fire District
- Middle Island Fire District
- Mill Creek Fire Company, DE
- Millstone Township Fire Company, NJ
- Monroe Township Fire District #1, NJ
- Monroe Township Fire District #2, NJ
- Monroe Township Fire District #3, NJ
- Monroe EMS, NJ
- Moon Township, PA
- Mount Sinai Fire District
- Municipality of Bethel Park, PA
- Nashville/Davidson County, TN
- New Hyde Park Fire District
- New York Air National Guard
- Niskayuna Fire District #1
- North Amityville Fire Company
- North Massapequa Fire District
- North Merrick Fire District
- North Sea Fire District
- Oceanside Fire District
- Ocean Grove Fire Department, NJ
- Orient Fire District
- Perth Amboy Fire Department, NJ
- Plainview Volunteer Fire Department
- Pleasantdale Fire Department
- Pleasant Valley Fire District
- Port Henry Fire Department
- Port Washington Police District
- Prince Georges County, MD
- Princeton First Aid & Rescue Squad, NJ
- Prince William County, VA
- Ridge Fire District
- Riverhead Volunteer Ambulance Corp.
- Riverhead Fire District
- River Oaks Fire & Rescue Squad Station 23, VA
- Ronkonkoma Fire District
- Roosevelt Fire District
- Roslyn Highlands Hook & Ladder, Engine & Hose Fire Company
- Roslyn Rescue Fire Company
- Rotterdam Fire District
- Saltire Fire Department
- Seaford Fire District
- Setauket Fire Department
- Silver Lake Fire District
- Sound Beach Fire District
- South Farmingdale Fire District
- Speigletown Fire District
- Suffolk County Department of Public Works
- Suffolk County Sheriff's Department
- Stanford Heights Fire District
- Stillwater Fire District
- Stony Brook Fire District
- Thiells-Roseville Fire District
- Thompsonville Fire District #2, CT
- Ticonderoga Fire District #1
- Town of Auburn, MA Public Safety**
- Town of Avon, CT
- Town of Becket Fire Department, MA**
- Town of Bellingham, MA**
- Town of Bloomfield, CT
- Town of Brattleboro, VT Police
- Town of Bristol Police, VT
- Town of Brookhaven
- Town of Charlton, MA Public Safety**
- Town of Chilmark Fire Department, MA**
- Town of Davie, FL
- Town of East Lexington, MA**
- Town of East Windsor, CT
- Town of Hudson Fire Department, NH
- Town of Lexington, MA**
- Town of Natick, MA**
- Town of Riverhead
- Town of Southampton Police Department
- Town of Spencer Fire Department, MA**
- Town of Tyngsborough, MA**
- Town of Warren, MA**
- Town of West Hartford, CT
- Town of Weston, MA**
- Town of Westminster, MA**
- Town of Wilbraham, MA**
- Uniondale Fire District
- Union Fire District, RI
- Vails Gate Fire District
- Vigilant Hose & Cumberland Valley Hose, PA
- Village of Bellerose
- Village of Colonie
- Village of Farmingdale
- Village of Mamaroneck
- Village of Manlius
- Village of Mount Kisco
- Village of Ocean Beach Fire Department
- Village of Rockville Centre Police Department
- Village of Sag Harbor Fire Department
- Village of Sea Cliff
- Village of Scotia
- Village of Valley Stream
- Village of Waterford
- Walden Fire District
- Westbury Fire District
- Westhampton Beach Fire District
- West Crescent Fire District
- West Hempstead Fire District
- West Sand Lake Fire District
- Woodmere Fire District
- William P. Faist Ambulance Corps.
- Windsor Public Safety, VT

MA CLIENTS IN BOLD



H2M recently designed a new fire headquarters for the City of Greenfield, MA.

Introduction

Many of H2M's projects involve creating new facilities, adding onto existing facilities, and restoring, rehabilitating, or repurposing existing facilities. Our services include assisting clients in meeting the recommendations of the National Fire Protection Association's (NFPA), relevant codes, and industry recommendations. We often assist and lead the process for regulatory approvals, budgeting, systems and specialty equipment selections, and value analysis.

Our designs focus on the health, well-being, and safety of responders and the public. H2M is continually at the leading-edge of gender equity, sleep deprivation mitigation, cross-contamination controls, and state-of-the-art technology integration.

Every design and project starts with operations-based programming. Our programming for any emergency services facility delves into operations, health, safety, well-being, sustainability, and flexibility to adapt to an ever-changing mission. It is organized by space and includes each space anticipated for the facility and covers requirements/needs of items from equipment (current and planned), systems, infrastructure, personnel, codes, mechanical, electrical, and plumbing needs, materials and finishes, security, IT, communications, alerting, and more. The program is a "living" document and becomes the basis for design. This comprehensive information is used to develop a space analysis that can quantify the proposed facility size and initial conceptual construction budget. The entire design team (all engineering disciplines, architects, cost estimator, owner, etc.) will utilize the program, space analysis, and initial budget throughout the design process.

To meet today's energy needs and see that your project continues to work efficiently well into the future, the entire project team utilizes the most up-to-date knowledge and best practices for sustainability. Our designs and recommendations

often go beyond just energy efficiency to include LEED certified and All Electric and Fossil Fuel Free (FFF) projects.

Whatever type of project, its size, budget, or complexity, we have taken them all on with the same approach and understanding. Each is equally important and receives our best efforts and full attention. This approach is how we have built our reputation in mission-critical facilities and all other markets. We have demonstrated in our work a dedicated approach and commitment to every project and have established a reputation of cutting-edge industry knowledge, design excellence, and client satisfaction.

References

H2M has a strong record of performance on public safety projects. We encourage the Town to contact our references to verify our successful track record.

City of Greenfield

Robert Strahan, Fire Chief
(413) 774-4737; robert.strahan@greenfield-ma.gov

Town of Natick

Jeffery McElravy, AIA, Tecton Architects (Prime Consultant)
(860) 548-0802; jeffm@tectonpc.com

City of Norwalk

Denis McCarthy, Past Fire Chief (Current Chief in Fairfield, CT)
(203) 524-4173; dmccarthy@fairfieldct.org

Town of Hamden

Jeffrey Naples, Fire Chief
(203) 407-5880; hbc_fire@hamden.com

New Main Fire Station

City of Greenfield
Greenfield, MA

Construction Cost: \$17 million

SERVICES PROVIDED

- Land Acquisition Studies
- Preliminary Design Through Construction Administration
- Public Presentations and Renderings
- Sustainability
- Bid Phase/Procurement Assistance
- Grant Funding



Over a span of 10 years, H2M helped the City of Greenfield find the ideal spot and design the perfect fire station while meeting all of their goals.

The Greenfield Fire Department in Greenfield, MA needed a new headquarters. The Department spent many years planning a new station and searching for the perfect site. However, before the Department could find a new location, the adjacent historic library received a state grant build a new branch. This grant was critical for the library, but they had limited time to use it, so the library co-opted the existing fire station and a municipal parking lot for its own use.

The firm worked with the City to help the Department find the best possible site for a new home. In the meantime, H2M designed temporary facilities on a City-owned parking lot that the career Department could use for operations. The final headquarters is the culmination of over a decade of design configurations, scope adjustments, environmental challenges, and the Department's request to meet the Massachusetts Building Stretch Code.

Few sites within the City's downtown area had the space to fit all the Department's needs and many had significant soil or existing contamination issues. It was critical to the Department that the design not sacrifice their plans for a historical firefighting museum or for the station's quality and functionality. H2M's design, presentation, budgeting, and feedback response skills kept the project within budget.

The final design includes two buildings (the main headquarters and a storage annex), totaling 20,234 square feet on an L-shaped site on Main Street. Just inside the main entrance, a historic photo wall leads to a firefighting museum and administrative offices. Living spaces and bunks for first responders are nearby. A ramp leads down to the five apparatus bays and training spaces. The aesthetic is modern but historically sensitive, meaning that the station uses round windows in the gable roof ends with keystones from the original station as well as the materials, forms, and colors to complement the rest of the City.

Environmental sustainability is important to the City. In order to take advantage of a reimbursement program from the local electric utility, the station is designed to target an Energy Use Intensity (EUI) score of 35 or lower. An EUI score represents a building's energy consumption relative to its size. Lower scores are more efficient. The station also meets the Massachusetts Stretch Code, which is an optional annex to the Building Code that requires buildings to be 30% more energy efficient than standard. The facility is all-electric, except for an emergency propane generator and a back-up propane boiler for the in-floor heating. The roof over the bays is designed to support the future installation of photovoltaic panels.

New Public Safety Facility



Town of Lexington

Lexington, MA

Construction Cost: \$14.8 million

SERVICES PROVIDED

Programming
Firematic Design
Community Engagement
Budgeting

Design for Well-Being and Protection from Contamination
Design of Swing Space and Site



AWARDS

◆ 2021 Station Design Awards - Gold Award for Career Stations

The firm worked with Tecton Architects, P.C. to design a new public safety facility for the Town of Lexington, MA.

As the Firematic Designer working with Tecton Architects, the Architect of Record, our team prepared a public safety facility master plan for the Town of Lexington, MA. The project involved analyzing three facilities: the existing fire station; existing police station; and a temporary swing space for relocation of the Fire Department, then the Police Department.

The Town's fire facilities were addressed first, with renovation of an existing office space and locating temporary apparatus bays in the existing rear parking lot. This involved moving into the temporary swing space, demolition of the existing station, and new construction on the existing site. The new station features six properly sized apparatus bays, kitchen, training, bunks, day room, decontamination, Fire Department administration, transition areas, and firematic support spaces. Additionally,

the station features numerous active training regimens and state-of-the-art classroom facilities.

Well-being of the first responders, cross contamination control, gender equity, and prevention of sleep deprivation, were programmed and designed into the facility. Traffic signalization, reconfiguration of a side street, urban-friendly entrance, and properly sized apparatus apron were designed for the site.

The station was designed to achieve LEED Gold certification and exceeds the Massachusetts Stretch Energy Code by 30% through an all electric HVAC design, roof-top solar and optimized carbon dioxide dilution.

Architect of Record: Tecton Architects, P.C.
Firematic Design: H2M architects + engineers

New Fire Station



Town of Natick

Natick, MA

Construction Cost: \$14.3 million



- Programming
- Conceptual Design
- Site Layouts
- Community Support Assistance
- Schematic Design
- Contract Documents
- Construction
- Administration Assistance



- ◆ Firehouse Station Design Awards – Gold Award
- ◆ F.I.E.R.O. Station Design Awards – Gold Award
- ◆ AIA Long Island Archi Design Awards – Sustainable Design Award
- ◆ AIA New York State Design Awards – Citation
- ◆ AIA Eastern New York Design Awards – Honor
- ◆ AIA Eastern New York Design Awards – Best of the Best

H2M provided firematic expertise to update the Town's fire station, which could no longer meet their needs.

The Town's population growth required a new 25,000 square foot station on the existing station's site. A pocket park transitions into the adjacent neighborhood, using an outlying portion of the parcel. To ease the odd site configuration, the Town "swapped" a like-sized piece of property with the adjacent mall to benefit both.

The station design focuses on camaraderie, controlling cross-contamination, and responder health and well-being. Interior finishes utilize color, textures, and forms to create a relaxing atmosphere. Informal meeting spaces adjacent to the bunk suite and kitchen/dining enable responders to assemble quickly and comfortably for communications and training. A triage room in the lobby and bike/jogging path promotes health and well-being.

Living quarters are protected from street noise and pollution but have straightforward access to the bays. Ceiling soffits, sound absorbing materials, and triple pane windows further reduce sound. Windows are configured to maximize natural sunlight and

ventilation. Bunk rooms can be shaded to accommodate sleeping schedules and protect circadian rhythms. Two mezzanines for on-site training have manholes, rappelling, bailout windows, a confidence maze, and tower for full-gear stair evolutions. Advanced communications connect the station with other emergency services providers during crises and major events.

The station was designed to LEED Silver-equivalent standards and includes roof-mounted solar panels, high-performance thermal building envelope, enhanced window and door performance values, in-floor radiant heat in the firematic areas utilizing high efficiency wall-mounted boilers, and LED interior and exterior lighting. This all-electric facility exceeds the MASS "Stretch" code standard by 30% for energy consumption.

Architect of Record: Tecton architects, P.C.
 Firematic Design: H2M architects + engineers

New Fire Station

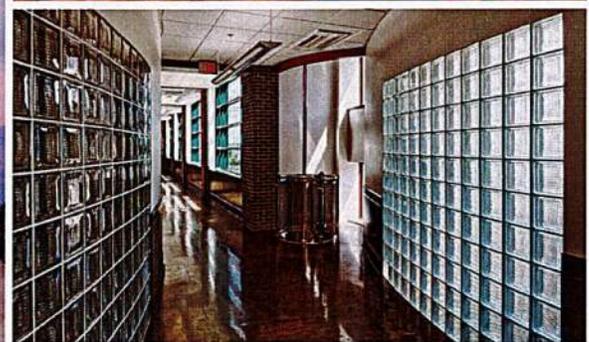


City of Norwalk
Norwalk, CT

Construction Cost: \$13.5 million

SERVICES PROVIDED

- Feasibility
- Public Support Campaign
- Regulatory Approvals
- Programming
- Schematic Design
- Budgeting
- Contract Documents
- Public Bidding
- Construction Administration
- Project Closeout



- 2016 Connecticut Green Building Council Honor Award
- LEED Gold 2014
- 2015 Firehouse Station Design Awards Gold Winner
- F.I.E.R.O. Fire Station Design Awards 2016 Gold Winner
- F.I.E.R.O. Fire Station Design Awards 2016 People's Choice
- Build Connecticut 2014 Construction New Construction Award

The City of Norwalk wanted its Fire Department to reuse its existing, very narrow site between U.S. Route 1 and I-95 to build its new headquarters and Federally funded EOC. Due to the site's location and narrow dimensions, it was extremely important to factor in controlling noise pollution, extreme traffic conditions, and air quality throughout the design process.

Pacheco Ross Architects (PRA), a division of H2M, helped obtain a \$1 million grant from federally funded EOC and designed a four-story facility with a large mezzanine to add space within the high bays. Corridors, walls, and roofs were successfully utilized to protect the living spaces from noise and pollution. The large mezzanine spaces were designed adjacent to the bays and classroom. The mezzanine was designed to incorporate numerous active training regimens including a chargeable standpipe, interior rope training, rappelling points, windows, maze, bail out, smoke, blackout, ladder evolutions, floor-to-floor transfer, confined space, rescue hatch, and ability to create additional regimens. The new building achieved LEED Gold Certification by reusing the brownfield site, utilizing daylighting, passive solar gain, state-of-the-art

HVAC energy saving systems, noise abatement, and continuous soy-based insulation, recycled materials, and bamboo flooring.

PRA/H2M faced significant challenges on this project, specifically as it related to the site's narrow width. To manage this challenge, PRA/H2M coordinated the CM, City and Fire Department to acquire additional State owned land through negotiations with State and local DOT, City, and State agencies. The design allowed PRA/H2M to accommodate training facilities, firematic support, public areas, firematic offices, a highly secure city-wide IT center, apparatus bays, administrative spaces and the regional EOC within the new building.

Architect of Record: Pacheco Ross Architects, P.C.
(Pacheco Ross was acquired by H2M in 2016)
Photo Credit: David R. Miller

New Fire Station

Great Barrington Fire Department

Great Barrington, MA

Construction Cost: \$5.6 million

SERVICES PROVIDED

Existing Building Assessments

Town-Wide Land Search and Evaluation Zoning

Land-Use and Public Awareness

Campaign for Town Vote

Schematic Design

Construction Administration



AWARDS

◆ Fire Chief Bronze Award 2010 - Award Winner

Great Barrington Fire Department wanted to create a new station that garnered neighborhood and business acceptance and respected the neighborhood. They needed to develop a facility that would serve the community and provide active training regimens for its members.

The team designed the project within a tight budget while still including all the necessary systems for a modern fire facility. The firm used durable materials, shapes, and massing to value engineer the building. In order to garner community support, the team participated in numerous neighborhood meetings and forums where they welcomed input from neighbors. A daily use public space was also created while maintaining safety and security protocols. The space was designed to display a vast collection of memorabilia and antiques with a public entry, educational space, and a museum. The Department also desired LEED Certification and qualified for energy grants through solar array on the bay roof. Energy modeling and life cycle analysis were both performed for grant applications.



Architect of Record:
Firematic Designer:

Clark and Green
Pacheco Ross Architects, P.C.
(Pacheco Ross was acquired by H2M in 2016)

Feasibility Study for New Fire Station



Town of Hamden

Hamden, CT

Construction Cost: N/A



Architecture
Civil Engineering

Environmental Engineering



H2M is conducting a feasibility study and creating preliminary designs to modernize Hamden's Fire Station No. 2.

The State of Connecticut awarded the Town of Hamden Fire Department an \$8.6 million grant to modernize their stations. Hamden is a career department that uses "privacy curtains" instead of doors in its bunk rooms and is prone to electrical and plumbing issues in Station No. 2. The bays are too short for modern engines, there isn't enough interior space for equipment changes, and the entire second floor was abandoned in the 1990s. Modernizations will help with recruitment, gender equity, and mental health and well-being.

The new fire station will be on a much larger site that underwent environmental remediation 15 years ago and has since remained underutilized. In the future, this site will also house an animal shelter and the Department's training tower, which means that H2M's design must accommodate future plans and competing interests. One challenge of the site is the nearby Farmington Canal Trail, a bike path located on a former railroad track. The Department needs to stay connected to the trail for responses, but the elevated mound complicates grading, sight lines, and privacy.

H2M's latest designs feature an 18,000-square-foot, single story station with four double-deep, drive-through bays. The private bunk suites will include individual rooms for six firefighters and five officers. These features will appeal to new recruits and help female first responders feel welcome.

A library space will use architectural noise mitigation and natural lighting to protect and preserve first responder mental health. The room itself will be set up as either a decompression space or a quiet work room. Other areas of the station will include confined space and bail-out training and equipment storage.

The primary circulation path is designed around the fastest possible route to the bays without sacrificing transition and decontamination zones. Since the Department is moving all of its administrative functions to this station, the layout keeps the non-operational offices away from the response path.



West Natick Fire Station No. 4

TECTON ARCHITECTS PROJECT EXPERIENCE

BUILT WORK & PROJECTS IN PROGRESS

- | | |
|--|---|
| 3rd Patrol Police Facility
Norfolk, VA | North Brookfield Police Station
North Brookfield, MA |
| 4th Precinct Police Station
Virginia Beach, VA | North Brookfield Fire Station
North Brookfield, MA |
| Affleck Police Substation
Hartford, CT | Peabody Public Safety
Headquarters
Peabody, MA |
| Auburn Fire Headquarters
Auburn, MA | Rocky Hill Police Station
Rocky Hill, CT |
| Barnstable Police Station
Barnstable, MA | Shrewsbury Police Station
Shrewsbury, MA |
| Bloomfield Fire Station Co. 3
Bloomfield, CT | Suffolk Fire & Rescue HQ
Suffolk, VA |
| Connecticut Forensic Science Lab
Meriden, CT | Sutton Police Station
Sutton, MA |
| Connecticut Fire Academy
Windsor, CT | Waltham Police HQ
Waltham, MA |
| Dighton Police Station
Dighton, MA | Westfield Police Station
Westfield, MA |
| Hartford Fire School
Windsor, CT | West Natick Fire Station #4
Natick, MA |
| Hartford Police Department Firing
Range
Hartford, CT | Westport Police Station
Westport, MA |
| Lexington Fire HQ
Lexington, MA | Wilbraham Main Fire Station
Wilbraham, MA |
| Lexington Police Station
Lexington, MA | Wilbraham Police Station
Wilbraham, MA |
| Monson Fire Station
Monson, MA | Wilton Police Station &
Municipal Campus
Wilton, CT |



Bloomfield Center Fire Department Co. 3



Auburn Fire Headquarters



Suffolk Fire Station No. 6

PROJECT EXPERIENCE

MASTER PLANS, FEASIBILITY STUDIES & PRELIMINARY DESIGN

- 6th Precinct Police Facility
Chesapeake, VA
- Auburn Public Safety Facility
Auburn, MA
- Auburn Public Safety Facilities
Auburn, NY
- Avon Public Safety Facilities
Avon, MA
- Avon Fire Facilities
Avon, CT
- Bellingham Fire Facilities
Bellingham, MA
- Bloomfield Police Station
Bloomfield, CT
- Carlisle Fire Station
Carlisle, MA
- Charlton Public Safety Facility
Charlton, MA
- East Hartford Fire Station #2
East Hartford, CT
- Falmouth Police Station
Falmouth, MA
- Greenfield Public Safety Facility
Greenfield, MA
- Hampden Public Safety Facility
Hampden, MA
- Hartford Police Firing Range
Hartford, CT
- Lincoln Police Station
Lincoln, RI
- Marlborough Fire Station
Marlborough, CT
- North Reading Fire Station
North Reading, MA
- North Smithfield Police Station
North Smithfield, RI
- Norwood Regional Fire
Training Facility
Norwood, MA
- Peabody Engine 5 Fire Station
Peabody, MA
- Pepperell Public Safety Facility
Pepperell, MA

- Public Safety and Training Facility
Chesapeake, VA
- South Portland City Facilities
South Portland, ME
- Tyngsborough Public Safety
Facilities
Tyngsborough, MA
- Warren Police, Fire & Town Hall
Warren, MA
- Wareham Public Safety Facility
Wareham, MA
- Westford Municipal Facilities
Westford, MA
- Westminster Public Safety Facilities
Westminster, MA
- West Hartford Public Safety
Facilities
West Hartford, CT
- Weston Fire Facilities
Weston, MA
- West Springfield Police Station
West Springfield, MA

CRITERIA ARCHITECT & DESIGN REVIEWS

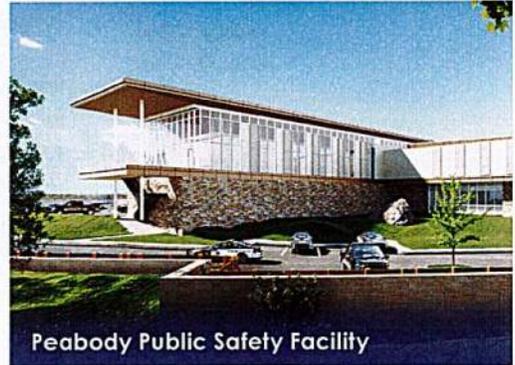
- 40th Precinct Police Facility
New York, NY
- Eastern Connecticut Fire School
Willimantic, CT
- Fairfield Regional Fire School
Fairfield, CT
- Greenfield Fire Station
Greenfield, MA
- Litchfield County Regional Fire
School
Burville, CT
- Mankato Fire Station #3
Mankato, MN
- Valley Fire Chiefs Regional Fire
School
Beacon Falls, CT
- Wolcott Regional Fire School
Cheshire, CT



Wilbraham Fire Station



Avon Fire Department Co. 4



Peabody Public Safety Facility



Lexington Fire Headquarters



CLIENT
Town of Tyngsborough, MA

PROJECT TYPE
Feasibility Study

TYNGSBOROUGH PUBLIC SAFETY FEASIBILITY STUDY

Tyngsborough, Massachusetts

Facility study and design services for new police and fire facilities. Phase I includes: developing a facility needs program for its fire and police departments to accommodate current and projected assets and operational requirements; developing conceptual designs for a new fire station and police station either as a public safety building or separate buildings; performing a comparative analysis of the options identified above.



CLIENT

Town of Auburn

PROJECT TYPE

Feasibility Study, New Construction

SIZE

30,400 SF

COMPLETION DATE

2027 (Est.)

PROJECT COSTS

\$31,000,000

AUBURN FIRE HEADQUARTERS

Auburn, Massachusetts

Tecton is working with the Town of Auburn on the design of a new Fire Headquarters. Prior to design, Tecton completed a facility evaluation, space needs assessment, conceptual plans, and cost estimates for the Auburn Fire Headquarters, Fire Station #2, and the Auburn Police Station. The Fire Headquarters replacement was identified as the Town's top priority, and they chose to move forward with a new facility.

The planned 30,400-square-foot headquarters will house 16 fire personnel daily and feature 10 apparatus bays, a combined Training Room/Emergency Operations Center, generous bunk and living quarters, and site capacity for future expansion. The project is currently in design, with construction expected to finish by the end of 2027.



CLIENT

*Bloomfield Center Fire
Department*

PROJECT TYPE

*Feasibility Study &
New Construction*

SIZE

12,970 SF

COMPLETION DATE

2024

PROJECT COSTS

\$10,735,060

BLOOMFIELD CENTER FIRE DEPARTMENT CO. 3

Bloomfield, Connecticut

Tecton worked with the Bloomfield Center Fire Department to conduct a feasibility study to explore options for the Company 3 Station. After a discussion of the department's needs and review of the existing site and station, Tecton recommended replacement of the current structure on the existing site. The proposed design solution was approved and funded by the Town in Fall 2022, with design services immediately commencing.

The new Company No. 3 is a modern 12,970 square-foot, 5-bay facility. The updated station improves operational efficiency with modern amenities and space for specialized equipment. Expanded training facilities include a spacious classroom training room, as well as a mezzanine for drill training. Comfortable day room, kitchen, bunk and fitness facilities support responders during down time between calls. The station also features a graphic wall that celebrates the Center Fire Department's nearly 100 years of service.



► Staffing Plan

Key Personnel

In any business endeavor, effective leadership helps create confidence among participants and encourages a professional and positive environment. We have hand-selected a team of fire station experts to work with the Town of Tyngsborough. They will leverage their lessons learned on similar projects to make this project a success.

Below, we have identified the leadership team dedicated to the success of this project. Should additional resources be needed, H2M has more than 580 technical and support personnel spanning all disciplines that the Town can rely on for help.



David J. Pacheco, AIA | Project Manager

Mr. Pacheco has more than 30 years of architectural experience and is H2M's Director of Operations. He has personally designed and/or evaluated 200+ emergency response facilities and received numerous accolades for his practical and aesthetically pleasing creations that respond sensitively to client needs, budget, codes, the environment, and the community. As Principal-in-Charge, Mr. Pacheco has the authority to commit and apply the resources necessary to meet the Town's technical requirements and schedule.



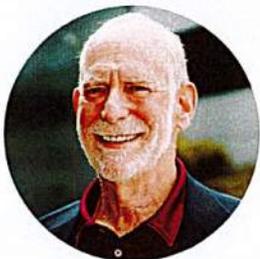
Katrina N. Pacheco, AIA, NCARB, LEED AP, MCPPO | Project Manager

Ms. Pacheco has more than 30 years of architectural design experience. Focusing on the design of public safety buildings for over 25 years, she has been involved in the production, evaluation, and construction administration of over 100 such facilities. She has significant experience in Massachusetts and is a Massachusetts Certified Public Purchasing Official (MCPPO). Ms. Pacheco serves in a voluntary capacity on the Building Committee for Niskayuna Fire District No. 1 where she is an honorary member of the Grand Boulevard Fire Company. As Project Manager, he will be responsible for technical and administration project oversight. She will supervise the overall project, delegate specific tasks to the appropriate members of the H2M team, and manage staff resources to keep the project on schedule and within the Town's budget.



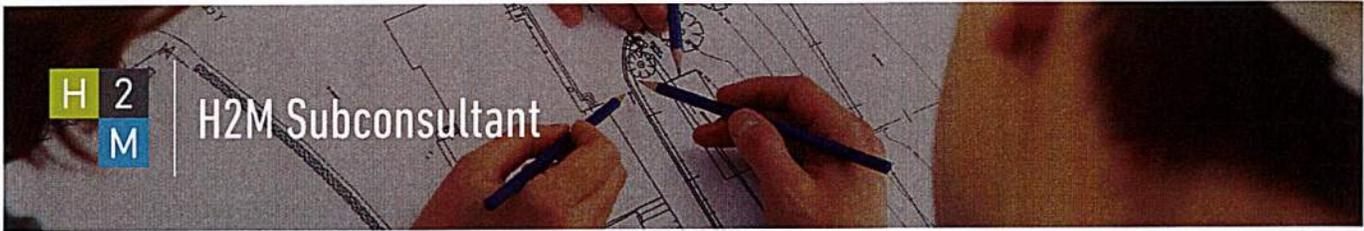
Patrick O. Stone R.A., LEED AP | QA/QC Manager

Mr. Stone has 18 years of experience in developing and managing various emergency facility projects. He has focused on public works projects, specifically in the design of public safety facilities, and takes great pride in engaging in community driven projects. Mr. Stone is an active thought leader in the industry and actively contributes through teaching, writing, and educating. He is currently an SME for the National Fire Academy and works with FEMA to develop firematic training programs at the academy. In the community, he is a 20-year member of the fire service. His passion for the fire service is what drives his design and focus in the Public Safety Market. As our proposed QA/QC Manager, Mr. Stone will provide internal QA/QC review of the Schematic Design before submission to the Town.



Dennis A. Ross, AIA | Technical Advisor

Mr. Ross has 50 years of experience in architectural design, focusing on emergency response facilities, and previously worked with Tecton Architects on the Town of Tyngsborough Public Safety Complex Study and Design Services project. With additional experience in construction management, feasibility studies, and land evaluations, Mr. Ross is able to assess projects from multiple points of view. He leverages his expertise and experience through teaching, writing, and speaking at numerous national engagements. Mr. Ross is one of the leaders and co-founder of the critically acclaimed 1-on-One™ Fire Station Design Symposium. He will be a Technical Advisor and provide design advice to the team during the Schematic Design development.



H2M Subconsultant

Our Subconsultant

Though H2M is a full-service firm capable of performing a wide variety of services in house, to expand our depth of resources we have teamed with Tecton Architects, who we frequently collaborate with and previously teamed on the Town of Tyngsborough Public Safety Complex Study and Design Services project. Tecton Architects will be responsible for peer review. Highlights of their qualifications are provided below.

Tecton ARCHITECTS

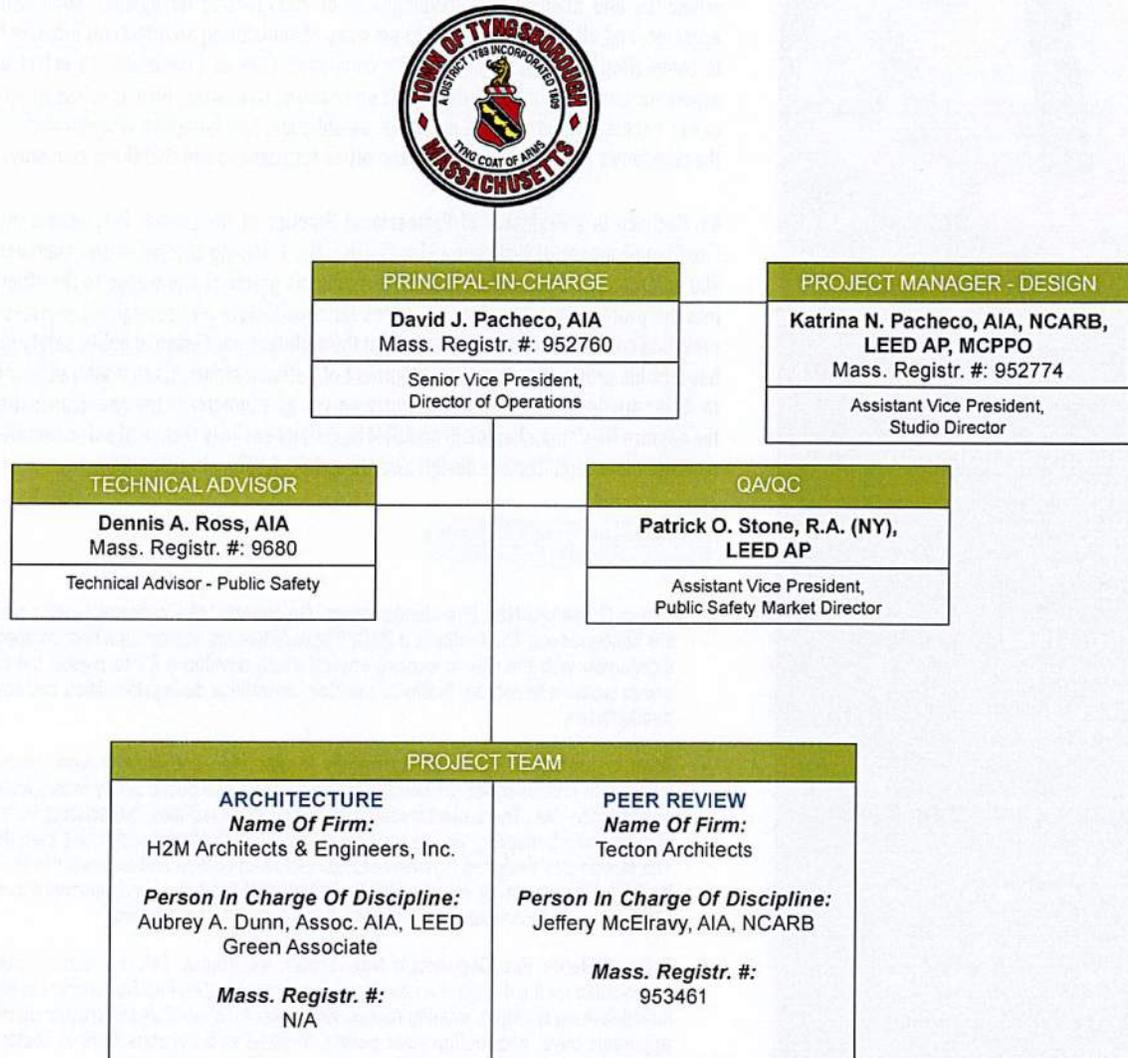
34 Sequassen Street, Suite 200
Hartford, CT 06106

Founded in 1979, Tecton Architects is a full-service design firm, specializing in public safety architecture and design. Through offices in Connecticut and Rhode Island, the firm directly manages projects throughout New England, though their project reach extends much further. With licenses to practice in nine states and strategic partnerships throughout the country, Tecton also serves as a planning and design consultant to municipalities, institutions, and architecture firms.

Tecton exclusively oversees police and fire facility design projects through a dedicated Public Safety Studio. Jeff McElravy, AIA, has served as Tecton's Director of Public Safety Design for 18 years. With more than 35 years of experience and nearly 150 projects on his resume, Jeff is personally at the helm of each public safety project that the firm designs. Rebecca Hopkins, AIA, NCARB, EDAC and Matt Salad, AIA, NCARB, MCPPO have participated in each of Tecton's public safety projects in the last 10 years. This core team is backed by a complement of in-house experts, including Registered Interior Designers, Historic Architects, LEED, WELL and Fitwel Accredited Professionals, and a Licensed Building Official, for a comprehensive approach to facility design.

Tecton believes that every public safety officer, emergency responder, dispatcher, and civilian employee deserves a station that enhances operations and respects the service they provide. They believe every community deserves well-designed facilities that represent their civic identity, and that every civic dollar should be invested wisely. To that end, Tecton works in partnership, capitalizing on the knowledge skill and talent of every team member.

The successful completion of a project of this nature requires a diverse pool of experienced personnel capable of performing tasks within their area of expertise. We are also aware that the success of this project is dependent upon the close cooperation required between the H2M team and the project personnel of the Town of Tyngsborough and Fire Department.



Resumes for the above referenced key personnel are provided following this page.





David J. Pacheco AIA

Senior Vice President, Director of Operations



Education

B.Arch.; Rensselaer Polytechnic Institute
BS, Building Science; Rensselaer Polytechnic Institute

Licenses/Certifications

Registered Architect: CA, CT, DE, FL, MA, NJ, NY, NC, PA, RI, TN, VT, TX, VA
Certified: National Council of Architectural Registration Boards (NCARB)

Memberships

Fire Commissioner, Niskayuna Fire District No.1
ASTM Homeland Security Committee- Emergency Operations Center (EOC) Standards
American Institute of Architects (AIA)
Trustee: Rensselaer Newman Foundation
Past President, AIA Eastern New York – 2007-2009
Director AIA Eastern New York – 2012-2013 and 2019-2024
Director, AIA New York State – 2009-2010
Honorary Member: Grand Boulevard Fire Co. (NY) & Kingston Fire Department (PA)

Publications

"Air Quality in Your Fire Station," Firehouse Magazine, May 2020
"Design for the Times," Fire Chief Magazine, March 2013
"Questions to Ask When Choosing an Architect," Fire Chief Magazine, March 2010
"Fire Station: Architectural Insight to Planning, Design, and Construction," IAFC Foundation, 2010
"Anatomy of a Training Tower," Fire Chief Magazine, April 2006
"Chief Fire Officer's Desk Reference," Jones & Bartlett Publishers in conjunction with IAFC, 2005
"ASTM E2668-10 Standard Guide for Emergency Operations Center (EOC) Development," ASTM 2010

Mr. Pacheco has more than 30 years of architectural experience, with 28 years of specialized knowledge in the design of emergency services facilities, and is Senior Vice President and Director of Operations at H2M. He oversees teams responsible for the development of project design, establishment of project schedules and budgets, the development of construction documents, submissions to government agencies, and all construction phase services administering architectural projects from their inception to completion. Mr. Pacheco leads the company's Core of Excellence – a select group of individuals across the company that together focus on ensuring H2M offers best-in-class services and deliverables to our clients. In this role, he oversees, establishes, and launches systems that are integrated across the company's markets, disciplines, and office locations to see that these company-wide goals are met.

Mr. Pacheco is a Professor of Professional Practice at Rensselaer Polytechnic Institute as well as a Fire Commissioner of Niskayuna Fire District, No. 1. Having studied and/or overseen the design of over 200 emergency response facilities, he extends his practical knowledge to the students he teaches and into the professional literature he writes for architecture and emergency services publications, while providing counsel regarding all aspects of the architectural design of public safety facilities. Mr. Pacheco has lent his proficiency to the development of national standards that altered how emergency services facilities are designed across the country, serves as a Director of the American Institute of Architects for the eastern New York chapter, is an ASTM homeland security technical sub-committee member, and has received major architecture design awards and professional recognition.

Selected project experience

- City of Greenfield New Fire Headquarters; Greenfield, MA: Technical Advisor for the design of a new fire headquarters. The facility is a 20,000 square foot fire station on a new compact urban site. Worked extensively with the City to explore several sites, develop a P3 to pursue the project, and secure a site to create a temporary facility to maintain operations during demolition and construction of the new headquarters.
- Town of Lexington Public Safety Facility Master Plan and New Station; Lexington, MA: Firematic Consultant and Designer responsible for preparation of a public safety facility master plan for the Town of Lexington, MA. The project involved analyzing three facilities: the existing fire station; existing police station; and a temporary swing space for relocation of the Fire Department, then the Police Department. The station was designed to achieve LEED Gold certification and exceeds the MA Stretch Energy Code by 30% through an all electric HVAC design, roof-top solar, and optimized carbon dioxide dilution. Worked as a subconsultant to Tecton Architects, Architect of Record.
- Town of Natick Fire Department New Station #4; Natick, MA: Firematic Consultant and Designer responsible for the design of a new fire station for the Natick Fire Department in Natick, MA. The station includes living quarters, training rooms, and tower for shared use with other districts; five double-deep apparatus bays; and rooftop solar panels. Worked as a subconsultant to Tecton Architects, Architect of Record.
- City of Norwalk Fire Headquarters; Norwalk, CT: Principal and Design Architect for the design of a new fire headquarters, which includes City-wide IT and the Fire Marshal. Helped to obtain a \$1 million grant for a federally funded Emergency Operations Center (EOC) and designed a four-story facility with a large mezzanine to add training space within the high bays. Corridors, walls, and roofs were successfully utilized to protect the living spaces from noise and pollution. The large mezzanine spaces were designed adjacent to the bays and classroom. The mezzanine was designed to incorporate numerous active training regimens, including a chargeable standpipe, interior rope training, rappelling points, windows, maze, bail out, smoke, blackout, ladder evolutions, floor-to-floor transfer, confined space, rescue hatch, and ability to create additional regimens. The building achieved LEED Gold certification.*
- Thompsonville Fire District #2 New Station; Thompsonville, CT: Principal and Design Architect for the design of a new fire station. Helped navigate a complex town board and zoning approval process for the new facility. Led zoning approvals that included the board of appeals, planning board, town board, and revitalization planning. Vetted numerous sites and led feasibility study and community outreach.*

* Architect of Record: Pacheco Ross Architects, P.C.

Katrina N. Pacheco

AIA, NCARB, LEED AP, MCPPO



Assistant Vice President,
Studio Director

Ms. Pacheco has more than 30 years of architectural design experience and focuses on standardization within design projects and specializes in CAD/BIM integration to bring tangible value to the firm's clients. Focusing on the design of public safety buildings for over 25 years, she has been involved in the production, evaluation, and construction administration of over 100 such facilities. Her responsibilities include client management, document coordination, materials research and selection, shop drawing review, bidding services, construction administration, and all other phases of project management.

Ms. Pacheco serves in a voluntary capacity on the Building Committee for Niskayuna Fire District No. 1 where she is an honorary member of the Grand Boulevard Fire Company. She is an Adjunct Professor at Rensselaer Polytechnic Institute and teaches Professional Practice to both undergraduate and graduate students. Her experience with sustainable practices and public safety project expertise has enabled her to advise clients on various aspects of public safety facilities. Ms. Pacheco has served as a 1-on-One advisor at the Fire Chief Magazine's "Station Style Design Conference" and presented a seminar entitled "Tactical LEED for Fire Stations" in Kansas City, MO to a national audience.

Selected project experience

- Town of Lexington Public Safety Facility Master Plan and New Station; Lexington MA: Project Captain responsible for preparation of a public safety facility master plan for the Town of Lexington, MA. The project involved analyzing three facilities: the existing fire station; existing police station; and a temporary swing space for relocation of the Fire Department, then the Police Department. The station was designed to achieve LEED Gold certification and exceeds the MA Stretch Energy Code by 30% through an all electric HVAC design, roof-top solar and optimized carbon dioxide dilution. Worked as a subconsultant to Tecton Architects, Architect of Record.
- Town of Natick Fire Department New Station #4; Natick, MA: Project Captain responsible for overseeing the design of a new fire station for the Natick Fire Department. The station includes living quarters, training rooms and tower for shared use with other districts, five double-deep apparatus bays and rooftop solar panels. Worked as a subconsultant to Tecton Architects, Architect of Record.
- City of Greenfield New Fire Headquarters; Greenfield, MA: Architect for the design of a new fire headquarters. The facility is a 20,000 square foot fire station on a new compact urban site. Worked extensively with the City to explore several sites, develop a P3 to pursue the project, and secure a site to create a temporary facility to maintain operations during demolition and construction of the headquarters.
- City of Norwalk Fire Headquarters; Norwalk, CT: Project Captain, Designer, and LEED Project Administrator for a new fire headquarters, which includes City-wide IT Data Center and the Fire Marshal. Helped to obtain a \$1 million grant for a federally funded EOC and designed a four-story facility with a large mezzanine to add training space within the high bays. Corridors, walls, and roofs were successfully utilized to protect the living spaces from noise and pollution. The large mezzanine spaces were designed adjacent to the bays and classroom. The mezzanine was designed to incorporate numerous active training regimens including a chargeable standpipe, interior rope training, rappelling points, windows, maze, bail out, smoke, blackout, ladder evolutions, floor-to-floor transfer, confined space, rescue hatch, and ability to create additional regimens. The building achieved LEED Gold certification.*
- Thompsonville Fire District #2 New Station; Thompsonville, CT: Project Captain tasked with supervising the team responsible for designing a new fire station. Helped create presentations for a complex town board and zoning approval process for the new facility. Vetted numerous sites, led feasibility study, community outreach, and design team to achieve integrated office, bunking, training, and bay facility.*
- Halfmoon-Waterford Fire District New Station; Waterford, NY: Project Manager and Architect for the design of a new fire station for the District. A temporary station was built on-site to house emergency response and operations during demolition and construction of the new facility and was later converted for company use. A new 18,000 square foot facility was constructed in its place. The station includes a training room and has space to accommodate the department's larger fire trucks and is configured for a potential addition for future flexibility. This project received an American Council of Engineering Companies (ACEC) award.

* Architect of Record: Pacheco Ross Architects, P.C.

Education

B.Arch.; Rensselaer Polytechnic Institute

B.S., Building Science; Rensselaer Polytechnic Institute

Licenses/Certifications

Registered Architect: MA, NY

National Council of Architectural Registration Board Certified (NCARB)

LEED Accredited Professional (AP)

Massachusetts Certified Public Purchasing Official (MCPPO)

Memberships

American Institute of Architects (AIA)

RPI: Guest Studio Reviewer, 2018-2023;
Blast Off Career Talk; Portfolio Reviews
2016-2018

AIAENY: Design Award Committee Chair
2019-2021

St Francis de Sales, Troy: Parish Council/
Pastoral Planning Committee, Christian
Education Committee, Catechist Building
Renovation Consultant 2005-2009

Hillside Elementary School PTO, Niskayuna:
Fall Frolic Committee, Playground
Committee & Community-Build Installer

Bicycle & Pedestrian Task Force for Capital
District Transportation Committee

Niskayuna Fire District Building Committee

Honorary Member: Grand Boulevard
Fire Co. (NY)

Presentations

1-on-One Pre-Conference: Phoenix, AZ,
Denver, CO and Overland Park, KS 2006-2013



Patrick O. Stone R.A., LEED AP



Assistant Vice President, Public Safety Market Director

Mr. Stone has 18 years of experience in architectural planning and design, with a focus on fire, police, ambulance, and other emergency response facilities. As H2M's Public Safety Market Director, he serves as a client manager for several clients and is responsible for the market's strategic growth. Mr. Stone's areas of expertise include pre-bond strategy development, planning, public engagement and presentation; project budgeting; development of preliminary designs and oversight of integrated design development approaches; oversight in the development of construction documents, contracts and specifications, and coordination of the respective project engineering disciplines; obtaining governmental and agency approvals; and construction administration through occupancy. Mr. Stone is a frequent presenter at national conferences, including the FIERO Station Design Symposium, FDIC International, Station Design Conference, and others. Notably, Mr. Stone led the planning and design of the "The Fire and Rescue Station of the Future" at FDIC International, which was built full-scale inside Lucas Oil Stadium and visited by more than 16,000 attendees. During this event, he led tours, answered questions, and explained the innovations within the station. This honor is the result of developing a reputation for innovative design, strong leadership, and depth of expertise. Mr. Stone's passion for public safety extends to his community — he is a 20-year member of the fire service.

Education

M.S., Construction Management;
New York University

B.S., Architectural Technology,
Minor in Construction Management;
New York Institute of Technology

Licenses/ Certifications

Registered Architect: NY

LEED Accredited Professional, USGBC

Project Management, Polytechnic Institute
of New York University

NYCDOB 40-Hour Site Safety Manager

OSHA 10-hour Construction Safety & Health

H2M Project Management Training

Memberships

American Institute of Architects (AIA)

Construction Specifications Institute,
Long Island Chapter

U.S. Green Building Council

Massapequa Fire Department
Volunteer Firefighter

National Fire Academy, Subject Matter
Expert

Publications

"Contamination Control Through Design",
Fire News (2024)

"Vehicle Exhaust Extraction Systems",
Crackyl Magazine (2024)

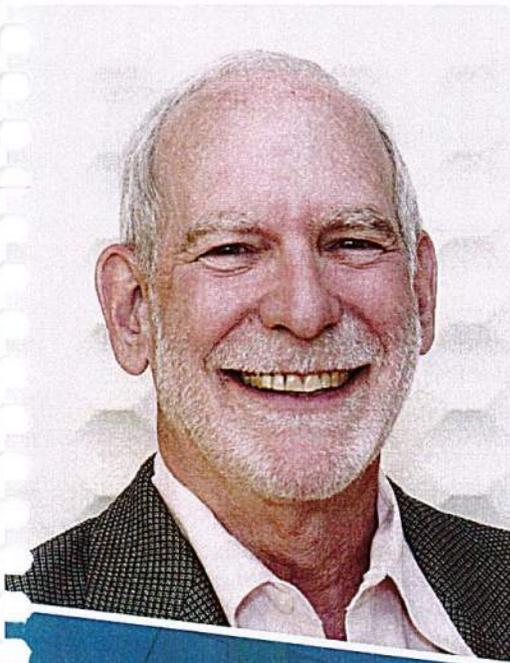
"The Ins and Outs of Vehicle Exhaust
Extraction Systems" Firehouse Magazine
(2022)

Selected project experience

- City of Greenfield New Fire Headquarters; Greenfield, MA: Designed a 20,000 square foot fire station on a compact urban site. The project was designed to net zero energy ready (targeting an Energy Use Intensity (EUI) of 35 or below). This target allows the City to secure the highest utility incentives, lowest operating costs, and will result in 0 to <1% in additional construction costs to be recouped in savings on building operation within the first few years. Worked with the City to maximize grant funding. The project received a \$1 million grant for the EOC and COVID-based design solutions.
- Friendship Engine and Hose Co. New Fire Station; Merrick, NY: Design of a new three-story 16,600 square foot fire station. The project includes existing conditions investigations and demolition of the existing facility. Three-dimensional renderings were utilized for finishes and material presentations with the Company.
- Thiells-Roseville Fire District New Headquarters; Gamerville, NY: Design of a proposed headquarters facility that will be approximately 23,000 square feet and two stories. There are five apparatus bays in total with two of those bays being drive through and double loaded. The program will include a public meeting hall, fitness center, commercial kitchen, offices and meeting spaces, in addition to the firematic program.
- Garden City Park Fire Department Station No. 2; Garden City Park, NY: Architectural services for the demolition of an existing fire station and secondary structure, as well as construction of a new concrete, steel, and masonry facility. Site improvements include parking area, grading and drainage systems, and landscaping.
- Borough of Metuchen New Fire Station and Storage Building; Metuchen, NJ: Design of a new fire station and separate storage building. The station is single story with mezzanines, totaling approximately 14,000 square feet. The single-story storage building totals 3,800 square feet. The site layout and circulation are critical in this overall design as well as separating the hot zone from cold zones of the station.
- Village of Mineola New Headquarters; Mineola, NY: Planning, design, and construction administration services for a new three-story, 28,000 square foot fire headquarters. The bay facility replaced the Village's more than 100-year-old station. This building has been designed for the future. Apparatus bays include state-of-the-art IT, including monitors for chauffeurs with heads up displays. Electrical infrastructure has been strategically placed to support the newly formed drone unit. Anticipation of future electric apparatus and equipment fueled many decisions in the design of this space. Integrated training within the bays provide props for bail-out, mask confidence, standpipe, confined space, and other trainings.

Dennis A. Ross AIA

Technical Advisor - Public Safety



Education

B.Arch., Rensselaer Polytechnic Institute
BS, Building Science; Rensselaer Polytechnic Institute
Exchange Student, Polytechnic of Central London

Licenses/ Certifications

Registered Architect: CO, CT, MD, MA, ME, MI, MO, NE, NJ, NY, OH, PA, TN, VA, WV
National Council of Architectural Registration Board Certified (NCARB)

Memberships

American Institute of Architects (AIA)
National Council of Architectural Registration Boards (NCARB)
Business Council for Small and Independent Business of New York State, Former Chairman
National Fire Protection Association (NFPA)
Board of Governors for Phi Kappa Tau Rho Chapter Fraternity
Honorary Member – Kingston Fire Department, PA

Publications

“How to Clear the Air in the Fire Station”, Crackly Magazine, 2024
“GIS May Be Key To The Future Of Emergency Response”, Firehouse Magazine, 2021
“Air Quality in Your Fire Station”, Firehouse Magazine, 2020
“Get it Done! 10 Strategies for Success”, Fire Chief Magazine, 2019
“One-on-1 Program Offers Departments Feedback on Station Projects”, Firehouse Magazine, 2017
“Design of the Times”, Fire Chief Magazine, 2013
“Gear at the Ready”, Fire Chief Magazine, 2009
Fire Station: Architectural Insight to Planning, Design, and Construction, Co-Author, IAFC Foundation, 2010
“Chief Fire Officer’s Desk Reference”, Jones & Bartlett Publishers in conjunction with IAFC, 2005

Mr. Ross has 50 years of experience in architectural design, focusing on emergency response facilities: fire, police, EMS, EOC, PSAP, and public safety. With experience in construction management, real estate development, feasibility studies, and land evaluations, Mr. Ross assesses projects from multiple points of view. He leverages his expertise and experience through teaching, writing, and speaking at professional conferences and symposiums. Mr. Ross is one of the leaders and co-founders of the critically acclaimed One-on-One™ Fire Station Design Symposium.

Earning his Bachelor of Architecture degree from Rensselaer Polytechnic Institute, Mr. Ross went on to become licensed in 15 states, NCARB certified, a board of governors member for the Phi Kappa Tau Rho Chapter Fraternity, and an honorary member of the Kingston, PA Fire Department. Mr. Ross has earned several awards including the NYS Small Business Advocate of the Year award in 2001 from the Business Council of New York State and NFIB. He is currently serving on the NFPA Technical Committee on “Emergency Responders Occupational Health”. The Committee has been tasked to develop a new Standard for Contamination Control, NFPA 1585, which just went live. He led the task group for Chapter 5, Emergency Services Organization Facilities. In addition, Mr. Ross accepted a position as Executive Board Member on the NFPA AEBO (Architects, Engineers, Building Officials) Board.

Selected project experience

- Town of Tyngsborough Public Safety Complex Study and Design Services; Tyngsborough, MA: As a subconsultant to Tecton Architects, Architect of Record, supported facility needs programming and conceptual design services for a new fire station and police station or combined public safety building.
- City of Greenfield New Fire Headquarters; Greenfield, MA: Project Executive for the design of a new fire headquarters. The facility is a 20,000 square foot fire station on a new compact urban site. Worked extensively with the City to explore several sites, develop a P3 to pursue the project, and secure a site to create a temporary facility to maintain operations during demolition and construction of the new headquarters.
- Town of Lexington Public Safety Facility Master Plan and New Station; Lexington MA: Firematic Consultant and Designer responsible for preparation of a public safety facility master plan for the Town of Lexington, MA. The project involved analyzing three facilities: the existing fire station; existing police station; and a temporary swing space for relocation of the Fire Department, then the Police Department. The station was designed to achieve LEED Gold certification and exceeds the MA Stretch Energy Code by 30% through an all electric HVAC design, roof-top solar and optimized carbon dioxide dilution. Worked as a subconsultant to Tecton Architects, Architect of Record.
- Town of Natick Fire Department New Station #4; Natick, MA: Firematic Consultant and Designer responsible for the design of a new fire station for the Natick Fire Department in Natick, MA. The station includes living quarters, training rooms and tower for shared use with other districts, five double-deep apparatus bays and rooftop solar panels. Worked as a subconsultant to Tecton Architects, Architect of Record.
- Great Barrington Fire Department New Station; Great Barrington, MA: Project Executive for the design of a new fire station. Utilized durable materials, shapes, and massing to value engineer the building. The Department also desired LEED Certification and qualified for energy grants through solar array on the bay roof. Energy modeling and life cycle analysis were both performed for grant applications. Worked as a subconsultant to Clark and Green, Architect of Record.
- City of Norwalk Fire Headquarters; Norwalk, CT: Project Executive and Co-Designer for the design of a new fire headquarters, which includes City-wide IT and Fire Marshal. Helped to obtain a \$1 million grant for a federally funded EOC and designed a four-story facility with a large mezzanine to add training space within the high bays. Corridors, walls, and roofs were successfully utilized to protect the living spaces from noise and pollution. The large mezzanine spaces were designed adjacent to the bays and classroom. The mezzanine was designed to incorporate numerous active training regimens including a chargeable standpipe, interior rope training, rappelling points, windows, maze, bail out, smoke, blackout, ladder evolutions, floor-to-floor transfer, confined space, rescue hatch, and ability to create additional regimens. The building achieved LEED Gold certification.*

* Architect of Record: Pacheco Ross Architects, P.C.



Aubrey A. Dunn

Assoc. AIA, LEED Green Assoc.
Staff Designer



Ms. Dunn is an architectural designer with experience in the planning and design of municipal and public safety facilities. Her responsibilities include project management, drafting, developing renderings, and construction administration. Ms. Dunn is skilled in the use of Revit.

Selected project experience

- East Greenbush New Fire Station Facility; East Greenbush, NY: Project Manager for this fast-tracked station, overseeing the full project scope from feasibility and programming through construction administration. Managed all phases of design, documentation, coordination, and client communication.
- McKownville Fire Department New Fire Station; McKownville, NY: Initiated and developed architectural drawings from preliminary concept through construction documents for the new fire station. Assisted with public engagement during the pre-bond phase and served as Assistant Project Manager from schematic design through construction administration, supporting coordination, documentation, and client communication.
- City of Scranton Emergency Services Training Facility and Operations Center; Scranton, PA: Supported the development of a new fire and police training feasibility campus and Emergency Operations Center (EOC) in a drafting role. Contributed to site planning, layout studies, and production of feasibility documents.
- Delmar Fire Department Feasibility Study; Delmar, NY: Project Manager for a fire station feasibility study and existing conditions assessment.
- Village of Scotia New Fire Station; Scotia, NY: Responsible for drafting for a proposed 14,200 square foot fire station. Created rendering for the construction sign. Providing construction administration.
- Village of Scotia Municipal Building Renovation; Scotia, NY: Responsible for programming and preliminary plans for proposed renovations and repairs to the Village's existing municipal facility. The building previously served as the police station and City Hall.
- Stanford Heights Fire District New Fire Station; Schenectady, NY: Responsible for drafting for a proposed 24,000 square foot fire station. Created rendering for the construction sign. Providing construction administration.
- Jonesville Fire District Truck Bay Roof Replacement; Jonesville, NY: Responsible for drafting for the design of a roof replacement at the Station 1 truck bay.

Education

Bachelor of Architecture; Rensselaer Polytechnic Institute

Licenses/ Certifications

LEED Green Associate, USGBC

Memberships

Associate Member, American Institute of Architects (AIA)

Construction Specifications Institute (CSI)



JEFFERY MCELRAVY, AIA, NCARB

PRINCIPAL, DIRECTOR OF PUBLIC SAFETY DESIGN

Jeff has dedicated his career to public safety design. At Tecton, he serves as the director of public safety design and is personally involved in every public safety design project at the firm. Jeff's perspective is strengthened by his long-standing membership with the International Association of Chiefs of Police. He was a nearly 20-year member of IACP's Community Policing Committee and an advisor to the Policing Leadership Group, which works with police agencies and local governments to advance partnership with their communities. As a nationally recognized expert in public safety design, Jeff serves and supports departments and design partners across the country as a planning and design consultant.

EDUCATION

Pennsylvania State University
Bachelor of Science
in Architecture

REGISTRATIONS

Registered Architect in MA, CT

AFFILIATIONS

ACE Mentor Program Team Leader

Associate Member IACP
(International Association of
Chiefs of Police)

Associate Member CPCA
(CT Police Chiefs Association)

Associate Member MCOPA
(MA Chiefs of Police Association)

Final Round Judge IACP Community
Policing Award

IACP Community Policing
Committee

RELEVANT PROJECT EXPERIENCE

FIRE

- Auburn Fire Headquarters | New Construction | Auburn, MA
- Avon Fire Facilities | Feasibility Study | Avon, CT
- Bellingham Fire Facilities | Feasibility Study | Bellingham, MA
- Bloomfield Center Fire Department Co. 3 | New Construction | Bloomfield, CT
- Carlisle Fire Station | Feasibility Study | Carlisle, MA
- East Hartford Fire Station #2 | Feasibility Study | East Hartford, CT
- Lexington Fire Headquarters | New Construction | Lexington, MA
- Monson Fire Station | Renovation | Monson, MA
- North Brookfield Fire Station | New Construction | North Brookfield, MA
- State of Connecticut Regional Fire Training Schools | Criteria Architect | Five Locations
- West Natick Fire Station #4 | New Construction | Natick, MA
- Wilbraham Main Fire Station | Renovation/Addition | Wilbraham, MA
- Weston Fire Facilities | Feasibility Study | Weston, MA

POLICE

- Barnstable Police Station | Interior Renovations | Barnstable, MA
- Bloomfield Police Station | Feasibility Study | Bloomfield, CT
- Dighton Police Station | New Construction | Dighton, MA
- Lexington Police Headquarters | New Construction | Lexington, MA
- North Brookfield Police Station | New Construction | North Brookfield, MA
- North Smithfield Police Station | Feasibility Study | North Smithfield, RI
- Shrewsbury Police Station & Municipal Campus | New Construction | Shrewsbury, MA
- Sutton Police & Highway Department | New Construction | Sutton, MA
- Westfield Police Station | New Construction | Westfield, MA
- West Springfield Police Station | Feasibility Study | West Springfield, MA
- Westport Police Station | New Construction | Westport, MA
- Wilbraham Police Station | New Construction | Wilbraham, MA
- Wilton Police Station | New Construction | Wilton, CT

JOINT PUBLIC SAFETY

- Charlton Public Safety Facility | New Construction (Design) | Charlton, MA
- Peabody Public Safety Headquarters | New Construction | Peabody, MA
- Pepperell Public Safety Facility | New Construction (Design) | Pepperell, MA
- Waltham Municipal Complex (Police, Fire, DPW) | Feasibility Study | Waltham, MA
- Wareham Public Safety | Feasibility Study | Wareham, MA
- West Hartford Public Safety Facilities | Feasibility Study | West Hartford, CT
- Tyngsborough Public Safety | Feasibility Study | Tyngsborough, MA
- Westminster Public Safety | Feasibility Study | Westminster, MA



MATT SALAD, AIA, NCARB, MCPPO

PROJECT ARCHITECT

Matt brings a passionate commitment to the success of each project, with diverse experience spanning from high-end corporate environments to municipal public safety facilities. He is dedicated to an integrated team driven process to ensure an accurate and detailed product, while minimizing changes during construction. His technical expertise and background in the construction industry ensures that each project has its value and quality maximized.

EDUCATION

Bachelor of Science
in Architecture
University of Hartford

Master of Architecture
University of Kansas

REGISTRATIONS

Registered Architect in
Connecticut

Registered Interior Designer in
Connecticut

Massachusetts Certified Public
Purchasing Official

AFFILIATIONS

American Institute
of Architecture (AIA)

ACE Mentor Program

National Council of Architectural
Registration Boards (NCARB)

RELEVANT PROJECT EXPERIENCE

FIRE

- Auburn Fire Headquarters | New Construction | Auburn, MA
- Bellingham Fire Facilities | Feasibility Study | Bellingham, MA
- Bloomfield Center Fire Department Co. 3 | New Construction | Bloomfield, CT
- Carlisle Fire Station | Feasibility Study | Carlisle, MA
- East Hartford Fire Station #2 | Feasibility Study | East Hartford, CT
- Lexington Fire Headquarters | New Construction | Lexington, MA
- North Brookfield Fire Station | New Construction | North Brookfield, MA
- State of Connecticut Regional Fire Training Schools | Criteria Architect | Five Locations

POLICE

- Bloomfield Police Station | Feasibility Study | Bloomfield, CT
- Dighton Police Station | New Construction | Dighton, MA
- Lexington Police Headquarters | New Construction | Lexington, MA
- Shrewsbury Police Station & Municipal Campus | New Construction | Shrewsbury, MA
- Sutton Police & Highway Department | New Construction | Sutton, MA
- Westport Police Station | New Construction | Westport, MA
- Wilbraham Police Station | New Construction | Wilbraham, MA

JOINT PUBLIC SAFETY

- Peabody Public Safety Headquarters | New Construction | Peabody, MA
- Waltham Municipal Complex (Police, Fire, DPW) | Feasibility Study | Waltham, MA
- West Hartford Public Safety Facilities | Feasibility Study | West Hartford, CT
- Tyngsborough Public Safety | Feasibility Study | Tyngsborough, MA
- Westminster Public Safety | Feasibility Study | Westminster, MA

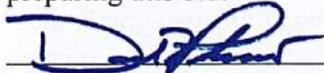


TOWN OF TYNGSBOROUGH
Office of the Town Manager
Town Offices | 25 Bryant Lane
Tyngsborough, MA 01879
Tel: (978) 649-2300 Ext. 100 | Fax: (978) 649-2320

SIGNATURE PAGE

The undersigned hereby submits qualifications for the above referenced RFQ and certifies that it meets the minimum requirements, can perform the scope of work required, and is not debarred. Further, the undersigned certifies that it can deliver the complete scope of work for a fee that will not exceed \$300,000.

I have reviewed the entire proposal, including the addenda numbered: _____ in preparing this bid.

 _____ 8/18/25 _____

Signature _____ Date _____
David J. Pacheco, AIA _____ Senior Vice President _____

Printed Name _____ Title _____

Company Address: 360 Bloomfield Avenue, Suite 406, Windsor, CT 06095

Phone Number: (866) 970-6535 ext. 2031

Email: dpacheco@h2m.com



TOWN OF TYNGSBOROUGH
Office of the Town Manager
Town Offices | 25 Bryant Lane
Tyngsborough, MA 01879
Tel: (978) 649-2300 Ext. 100 | Fax: (978) 649-2320

FORM A
Taxes, Non-Collusion, and Signing Authority

Pursuant to MGL Chapter 62C, Section 49A, the undersigned certifies under the penalties of perjury that the company named below as filed all Massachusetts State Tax returns and paid all State taxes as required by law.

The undersigned certifies under penalties of perjury that his/her bid is in all respects bona fide, fair, and made without collusion or fraud with any other person. As used in this paragraph, the word "person" shall mean any natural person, joint venture, partnership, corporation, or other business or legal entity.

The undersigned certifies under penalties of perjury that he/she is authorized on behalf of the company named below to bind the bidder contractually. If the bidder is a corporation, a clerk's certificate of vote and minutes of a director's meeting will be provided.

Social Security Number or Federal Identification Number: 20-0809570

Company Name: H2M Architects & Engineers, Inc.

Printed Name of Signer: David J. Pacheco, AIA, Senior Vice President

Signature:  Date: 8/18/25

The Commonwealth of Massachusetts

William Francis Galvin
Secretary of the Commonwealth
One Ashburton Place, Boston, Massachusetts 02108-1512

FORM MUST BE TYPED

Certificate by Regulatory Board** (General Laws, Chapter 112 or 221)

FORM MUST BE TYPED

In compliance with General Laws, Chapter 156A, Section 7, the Board of Registration of Architects
(Exact name of board)

hereby certifies that in connection with the incorporation of H2M Architects & Engineers, Inc.
(Exact name of corporation)

a professional corporation formed to render Architectural services,
(Type of professional service to be rendered)

the below listed incorporators, officers, directors, and shareholders are duly licensed or admitted to practice the profession listed above.

INCORPORATORS

RESIDENTIAL ADDRESS

OFFICERS

RESIDENTIAL ADDRESS

Dennis A. Ross, Vice President (License #9680)

323 Highgate Drive, Slingerlands, NY 12159

9680-AR-R

DIRECTORS

RESIDENTIAL ADDRESS

SHAREHOLDERS

RESIDENTIAL ADDRESS

SIGNED this 22nd day of June, 2020

by John E. Hill *Chairman / *Clerk

*Delete the inapplicable word.
**Certain regulatory boards may require a fee for the issuance of this certificate.

The Commonwealth of Massachusetts

William Francis Galvin
Secretary of the Commonwealth
One Ashburton Place, Boston, Massachusetts 02108-1512

FORM MUST BE TYPED

Certificate by Regulatory Board** (General Laws, Chapter 112 or 221)

FORM MUST BE TYPED

In compliance with General Laws, Chapter 156A, Section 7, the Board of Registration for Professional Engineers
(Exact name of board)

hereby certifies that in connection with the incorporation of H2M Architects & Engineers, Inc.
(Exact name of corporation)

a professional corporation formed to render Architectural and Engineering services,
(Type of professional service to be rendered)

the below listed incorporators, officers, directors, and shareholders are duly licensed or admitted to practice the profession listed above.

INCORPORATORS

RESIDENTIAL ADDRESS

OFFICERS

RESIDENTIAL ADDRESS

Richard W. Humann, President/CEO (License #55234) 11 Garden Street, Nesconset, NY 11767

DIRECTORS

RESIDENTIAL ADDRESS

Richard W. Humann, President/CEO (License #55234) 11 Garden Street, Nesconset, NY 11767

SHAREHOLDERS

RESIDENTIAL ADDRESS

Richard W. Humann, President/CEO (License #55234) 11 Garden Street, Nesconset, NY 11767

SIGNED this 15th day of June, 2020

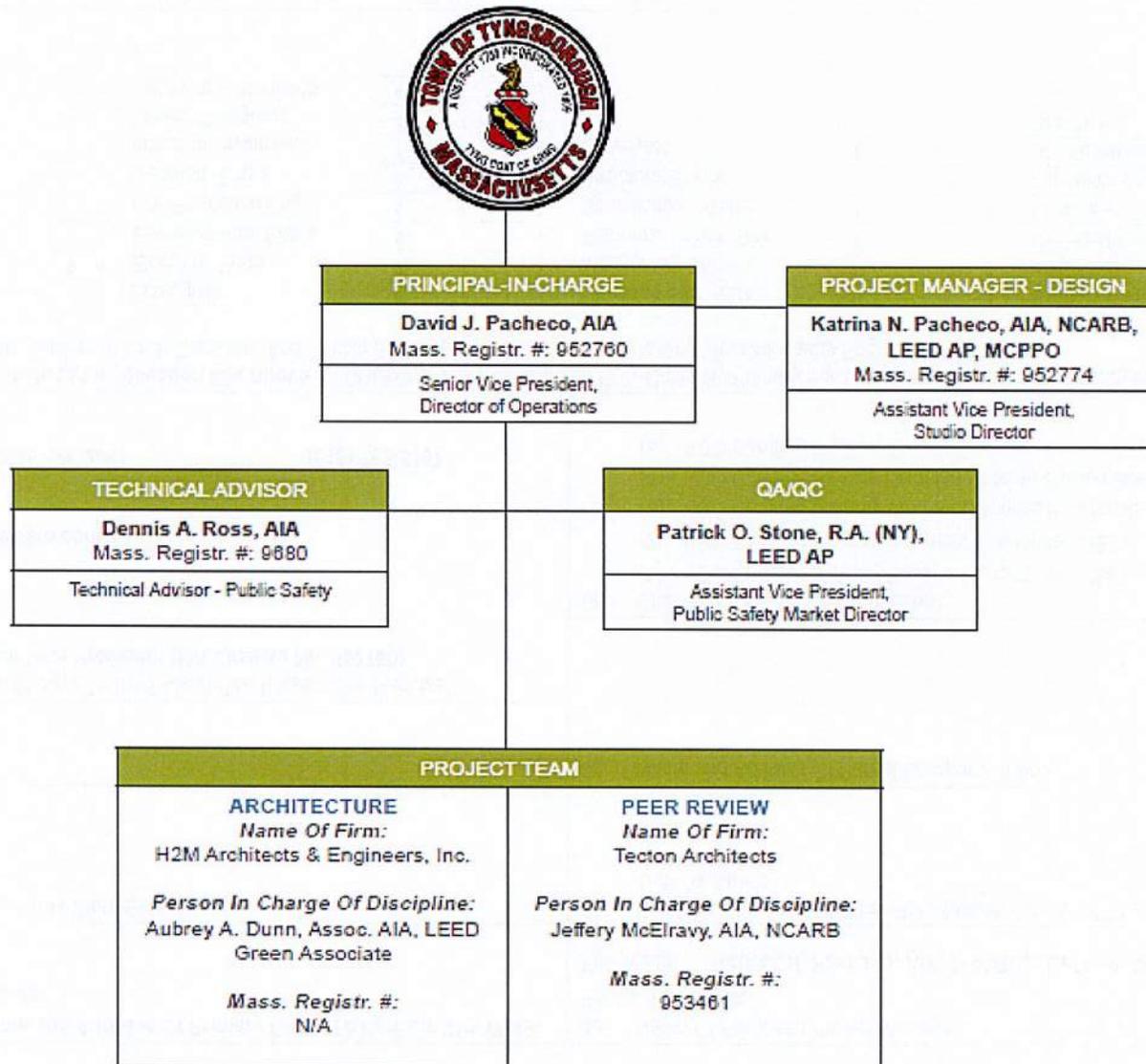
by Maury J. J. [Signature], *Chairman / Clerk.

*Delete the inapplicable words.
**Certain regulatory boards may require a fee for the issuance of this certificate.

Commonwealth of Massachusetts DSB Application Form (Updated July 2016)	1. Project Name/Location for Which Firm is Filing: Schematic Design Services for a New Tyngsborough Fire Department Headquarters Tyngsborough, MA	2a. DSB #	Item #
	2b. Mass. State Project #		
3a. Firm (Or Joint-Venture) - Name and Address Of Primary Office To Perform The Work: H2M Architects & Engineers, Inc. 433 River Street, Suite 8002 Troy, NY 12180	3e. Name Of Proposed Project Manager: For Study: N/A For Design: Katrina N. Pacheco, AIA, NCARB, LEED AP, MCPPO (MA License No. 952774)		
3b. Date Present and Predecessor Firms Were Established: Established in 2002	3f. Name and Address Of Other Participating Offices Of The Prime Applicant, If Different From Item 3a Above:		
3c. Federal ID #: 20-0809570	3g. Name and Address Of Parent Company, If Any:		
3d. Name and Title Of Principal-In-Charge Of The Project (MA Registration Required): David J. Pacheco, AIA, Senior Vice President (MA License No. 952760) Email Address: dpacheco@h2m.com Telephone No: (866) 970-6535 ext. 2031 Fax No.: (518) 765-5107	3h. Check Below If Your Firm Is Either: (1) SDO Certified Minority Business Enterprise (MBE) <input type="checkbox"/> (2) SDO Certified Woman Business Enterprise (WBE) <input type="checkbox"/> (3) SDO Certified Minority Woman Business Enterprise (M/WBE) <input type="checkbox"/> (4) SDO Certified Service Disabled Veteran Owned Business Enterprise (SDVOBE) <input type="checkbox"/> (5) SDO Certified Veteran Owned Business Enterprise (VBE) <input type="checkbox"/>		
4. Personnel From Prime Firm Included In Question #3a Above By Discipline (List Each Person Only Once, By Primary Function -- Average Number Employed Throughout The Preceding 6 Month Period. Indicate Both The Total Number In Each Discipline And, Within Brackets, The Total Number Holding Massachusetts Registrations):			
Admin. Personnel <u>85</u> () Architects <u>140</u> (<u>6</u>) Acoustical Engrs. <u>0</u> () Civil Engrs. <u>36</u> (<u>1</u>) Code Specialists <u>0</u> () Construction <u>35</u> () Cost Estimators <u>0</u> () Drafters <u>4</u> ()	Ecologists <u>0</u> () Electrical Engrs. <u>26</u> () Environmental Engrs. <u>56</u> (<u>2</u>) Fire Protection Engrs. <u>6</u> () Geotech. Engrs. <u>0</u> () Industrial Hygienists <u>1</u> () Interior Designers <u>4</u> () Landscape Architects <u>4</u> ()	Licensed Site Profs. <u>0</u> () Mechanical Engrs. <u>27</u> (<u>3</u>) Planners: Urban./Reg. <u>7</u> () Specification Writers <u>1</u> () Structural Engrs. <u>14</u> (<u>3</u>) Surveyors <u>8</u> ()	Sanitary Eng <u>28</u> () Water Eng <u>87</u> (<u>3</u>) Chemical Eng <u>1</u> () Computer <u>4</u> () Forensics Eng <u>3</u> () GIS Specialist <u>3</u> () Geol/Hydro <u>9</u> () Total <u>590</u> (<u>18</u>)
5. Has this Joint-Venture previously worked together? N/A -- not a JV <input type="checkbox"/> Yes <input type="checkbox"/> No			

H2M Architects & Engineers, Inc. is affiliated with H2M Architects, Engineers, Geology, Land Surveying and Landscape Architecture, D.P.C. (of NY) and H2M Associates, Inc. (of NJ) in the "H2M architects + engineers" enterprise. The employees and resources of each company in the enterprise are available on demand to support each of the other companies in the enterprise. The employee totals reflect all of the enterprise employees available to work for H2M Architects & Engineers, Inc.

6. List **ONLY** Those Prime and Sub-Consultant Personnel Specifically Requested In The Advertisement. This Information Should Be Presented Below In The Form Of An Organizational Chart. Include Name Of Firm and Name Of The One Person In Charge Of The Discipline, With Mass. Registration Number, As Well As MBE/WBE Status, If Applicable:



7. Brief Resume of ONLY those Prime Applicant and Sub-Consultant personnel requested in the Advertisement. Include Resumes of Project Managers. Resumes should be consistent with the persons listed on the Organizational Chart in Question # 6. Additional sheets should be provided only as required for the number of Key Personnel requested in the Advertisement and they must be in the format provided. By including a Firm as a Sub-Consultant, the Prime Applicant certifies that the listed Firm has agreed to work on this Project, should the team be selected.	
a. Name and Title Within Firm: David J. Pacheco, AIA, Senior Vice President, Director of Operations	a. Name and Title Within Firm: Katrina N. Pacheco, AIA, NCARB, LEED AP, MCPPO Assistant Vice President, Studio Director
b. Project Assignment: Principal-in-Charge	b. Project Assignment: Project Manager
c. Name and Address Of Office In Which Individual Identified In 7a Resides: H2M Architects & Engineers, Inc. 433 River Street, Suite 8002 Troy, NY 12180 MBE <input type="checkbox"/> WBE <input type="checkbox"/> SDOVBE <input type="checkbox"/> VBE <input type="checkbox"/>	c. Name and Address Of Office In Which Individual Identified In 7a Resides: H2M Architects & Engineers, Inc. 433 River Street, Suite 8002 Troy, NY 12180 MBE <input type="checkbox"/> WBE <input type="checkbox"/> SDOVBE <input type="checkbox"/> VBE <input type="checkbox"/>
d. Years Experience: With This Firm: <u>9</u> With Other Firms: <u>24</u>	d. Years Experience: With This Firm: <u>9</u> With Other Firms: <u>24</u>
e. Education: Degree(s) /Year/Specialization Bachelor of Architecture and Bachelor of Science in Building Sciences / 1993 / Rensselaer Polytechnic Institute	e. Education: Degree(s) /Year/Specialization Bachelor of Architecture and Bachelor of Science in Building Sciences / 1993 / Rensselaer Polytechnic Institute
f. Active Registration: Year First Registered/Discipline/Mass Registration Number Architect / Massachusetts / 2020 / Registration # 952760	f. Active Registration: Year First Registered/Discipline/Mass Registration Number: Architect / Massachusetts / 2020 / Registration # 952774 Massachusetts Certified Public Purchasing Officer (MCPPO) / 2024
g. Current Work Assignments and Availability For This Project: Mr. Pacheco will be Principal-in-Charge for this project. He is able to commit his full resources to this project through its duration.	g. Current Work Assignments and Availability For This Project Ms. Pacheco will be the Project Manager for this project. She is able to commit her full resources to this project through its duration.

h. Other Experience and Qualification Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm):

Mr. Pacheco has more than 30 years of architectural experience, with 28 years of specialized knowledge in the design of emergency services facilities, and is Senior Vice President and Director of Operations at H2M. He is also an MA Registered Architect. He oversees teams responsible for the development of project design, establishment of project schedules and budgets, the development of construction documents, submissions to government agencies, and all construction phase services administering architectural projects from their inception to completion. Mr. Pacheco leads the company's Core of Excellence – a select group of individuals across the company that together focus on ensuring H2M offers best-in-class services and deliverables to our clients. In this role, he oversees, establishes, and launches systems that are integrated across the company's markets, disciplines, and office locations to see that these company-wide goals are met. His relevant experience includes:

- City of Greenfield Fire Headquarters, Greenfield, MA
- Town of Natick Fire Dept, Natick, MA
- Wilbraham Fire Dept., Wilbraham, MA
- Chilmark Fire Dept., Chilmark, MA
- Great Barrington Fire Dept., Great Barrington, MA
- City of Norwalk Fire HQ, Norwalk, CT
- Albany County E-911, Clarksville, NY
- Princeton First Aid & Rescue Squad, Princeton, NJ
- Fort Washington Fire Co. No. 1, Fort Washington, PA
- Kent Island Volunteer Fire Dept., Chester, MD
- Mill Creek Fire Co., Marshallton, DE
- River Oaks Fire & Rescue Station No. 23, Woodbridge, VA
- City of Albert Lea, Albert Lea, MN
- City of Lethbridge, Fire HQ, Lethbridge, AB Canada
- Niskayuna Fire District, Niskayuna, NY
- Village of Fayetteville, Fire Dept., Fayetteville, NY
- Saratoga County Public Safety, Ballston Spa, NY
- Cicero Fire District, Cicero, NY
- Halfmoon-Waterford, Fire Dept., Waterford, NY
- Stanford Heights Fire District, Schenectady, NY
- Poughkeepsie Public Safety Facility, Poughkeepsie, NY
- Keene Fire District, Keene, NY

h. Other Experience and Qualification Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm):

Ms. Pacheco has more than 30 years of architectural design experience and focuses on standardization within design projects and specializes in CAD/BIM integration to bring tangible value to the firm's clients. Focusing on the design of public safety buildings for over 25 years, she has been involved in the production, evaluation, and construction administration of over 100 such facilities. Her responsibilities include client management, document coordination, materials research and selection, shop drawing review, bidding services, construction administration, and all other phases of project management. Ms. Pacheco is an MA Registered Architect and a Massachusetts Certified Public Purchasing Official (MCPPO). Her relevant experience includes:

- City of Greenfield Fire Headquarters, Greenfield, MA
- Town of Natick Fire Dept, Natick, MA
- Town of Auburn Fire Dept., Auburn, MA
- Town of Charlton Fire Dept., Charlton MA
- Great Barrington Fire Station, Great Barrington, MA
- Town of Westminster Fire Dept., Westminster MA
- Town of Tyngsborough Fire Dept., Tyngsborough, MA
- Town of Lexington Fire Headquarters, Lexington, MA
- Albany County E-911, Clarksville, NY
- Halfmoon-Waterford Fire Department, Waterford, NY
- Saratoga County Public Safety Facility, Ballston Spa, NY
- City of Poughkeepsie Public Safety Facility, Poughkeepsie, NY
- Mill Creek Fire Company Station #2, Wilmington, DE
- City of Norwalk Fire Department Headquarters, Norwalk, CT
- Princeton First Aid & Rescue Squad Station, Princeton, NJ
- River Oaks Fire and Rescue Station #23, Woodbridge, VA
- Stillwater Fire District Headquarters, Stillwater, NY
- Fort Washington Fire Company Station, Fort Washington, PA
- Village of Manlius Fire Station, Manlius, NY
- Thompsonville Fire District No. 2 Station, CT
- Monroe Township Fire District #3 Station, Monroe Township, NJ
- Guilderland Fire District Fire Station, Guilderland, NY
- Tallman Fire District Facility, Tallman, NY
- Cicero Fire Department Fire Station, Cicero, NY

7. Brief Resume of ONLY those Prime Applicant and Sub-Consultant personnel requested in the Advertisement. Include Resumes of Project Managers. Resumes should be consistent with the persons listed on the Organizational Chart in Question # 6. Additional sheets should be provided only as required for the number of Key Personnel requested in the Advertisement and they must be in the format provided. By including a Firm as a Sub-Consultant, the Prime Applicant certifies that the listed Firm has agreed to work on this Project, should the team be selected.	
a. Name and Title Within Firm: Patrick O. Stone, R.A., LEED AP BD+C, Assistant Vice President, Public Safety Market Director	a. Name and Title Within Firm: Dennis A. Ross, AIA, Technical Advisor – Public Safety
b. Project Assignment: QA/QC Manager	b. Project Assignment: Technical Advisor
c. Name and Address Of Office In Which Individual Identified In 7a Resides: H2M Architects & Engineers, Inc. MBE <input type="checkbox"/> 538 Broad Hollow Road, 4th Floor East WBE <input type="checkbox"/> Melville, NY 11747 SDOVBE <input type="checkbox"/> VBE <input type="checkbox"/>	c. Name and Address Of Office In Which Individual Identified In 7a Resides: H2M Architects & Engineers, Inc. MBE <input type="checkbox"/> 433 River Street, Suite 8002 WBE <input type="checkbox"/> Troy, NY 12180 SDOVBE <input type="checkbox"/> VBE <input type="checkbox"/>
d. Years Experience: With This Firm: <u>18</u> With Other Firms: <u>0</u>	d. Years Experience: With This Firm: <u>9</u> With Other Firms: <u>41</u>
e. Education: Degree(s) /Year/Specialization Master of Science, Construction Management / 2012 / New York University Bachelor of Science, Architectural Technology / 2009 / New York Institute of Technology	e. Education: Degree(s) /Year/Specialization Bachelor of Architecture / 1975 / Rensselaer Polytechnic Institute Bachelor of Science in Building Science / 1975 / Rensselaer Polytechnic Institute
f. Active Registration: Year First Registered/Discipline/Mass Registration Number Architect / New York / 2017 / Registration # 039654	f. Active Registration: Year First Registered/Discipline/Mass Registration Number: Architect / Massachusetts / 1996 / Registration # 9680
g. Current Work Assignments and Availability For This Project: Mr. Stone will be QA/QC Manager for this project. He is able to commit his full resources to this project through its duration.	g. Current Work Assignments and Availability For This Project Mr. Ross will be the Technical Advisor for this project. He is able to commit his full resources to this project through its duration.

h. Other Experience and Qualification Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm):

Mr. Stone has 18 years of experience in architectural planning and design, with a focus on fire, police, ambulance, and other emergency response facilities. As H2M's Public Safety Market Director, he serves as a client manager for several clients and is responsible for the market's strategic growth. Mr. Stone's areas of expertise include pre-bond strategy development, planning, public engagement and presentation; project budgeting; development of preliminary designs and oversight of integrated design development approaches; oversight in the development of construction documents, contracts and specifications, and coordination of the respective project engineering disciplines; obtaining governmental and agency approvals; and construction administration through occupancy. Mr. Stone is a frequent presenter at national conferences, including the FIERO Station Design Symposium, FDIC International, Station Design Conference, and others. Notably, Mr. Stone led the planning and design of the "The Fire and Rescue Station of the Future" at FDIC International, which was built full-scale inside Lucas Oil Stadium and visited by more than 16,000 attendees. His relevant experience includes:

- City of Greenfield Fire Headquarters, MA
- Bedford Village Fire District, NY
- Massapequa Fire District, NY
- Mineola Fire Department, NY
- Lehighton Fire Department, PA
- Huntington Manor Fire Department, NY
- Friendship Engine and Hose Co., Merrick, NY
- Thiells-Roseville Fire District, Garnerville, NY
- Garden City Park Fire Department, Garden City Park, NY
- Village of Mineola Fire Headquarters, Mineola, NY

h. Other Experience and Qualification Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm):

Mr. Ross has 50 years of experience in architectural design, focusing on emergency response facilities: fire, police, EMS, EOC, PSAP, and public safety, and is an MA Registered Architect. With experience in construction management, real estate development, feasibility studies, and land evaluations, Mr. Ross assesses projects from multiple points of view. He leverages his expertise and experience through teaching, writing, and speaking at professional conferences and symposiums. Mr. Ross is one of the leaders and co-founders of the critically acclaimed One-on-One™ Fire Station Design Symposium. He is currently serving on the NFPA Technical Committee on "Emergency Responders Occupational Health". The Committee has been tasked to develop a new Standard for Contamination Control, NFPA 1585, which just went live. He led the task group for Chapter 5, Emergency Services Organization Facilities. In addition, Mr. Ross accepted a position as Executive Board Member on the NFPA AEBO (Architects, Engineers, Building Officials) Board. His relevant experience includes:

- Town of Tyngsborough Public Safety Complex Study and Design Services, Tyngsborough, MA
- City of Greenfield Fire Headquarters, Greenfield, MA
- Town of Natick Fire Dept, Natick, MA
- Town of Auburn, Fire Dept., Auburn, MA
- Chilmark Fire Dept., Chilmark, MA
- Great Barrington Fire Dept., Great Barrington, MA
- Town of Charlton, Fire Dept., Charlton MA
- Town of Westminster, Fire Dept., Westminster MA
- Town of Tyngsborough, Fire Dept., Tyngsborough, MA
- Town of Lexington Fire HQ, Lexington, MA
- Avon Police and Fire, Avon, MA
- Becket Fire Department, Becket, MA
- City of Pueblo, Fire Dept., Pueblo, CO
- City of Lincoln Fire Department, Lincoln, NE
- Prince William County Firematic Assessment, VA
- Henrico County Firematic Assessment, VA
- City of Norwalk Fire HQ, Norwalk CT
- Albany County E-911, Clarksville, NY
- Bethel Park Volunteer Fire Co., Bethel Park, PA
- Mill Creek Fire Co., Marshallton, DE
- River Oaks Fire & Rescue Station No. 23, Woodbridge, VA
- Cardinal Joint Fire District, Canfield, OH
- City of Lethbridge Fire HQ, Lethbridge, AB Canada
- Princeton First Aid & Rescue Squad, Princeton, NJ
- Niskayuna Fire District, Niskayuna, NY
- City of Poughkeepsie Public Safety Facility, Poughkeepsie, NY

7. Brief Resume of ONLY those Prime Applicant and Sub-Consultant personnel requested in the Advertisement. <u>Include Resumes of Project Managers.</u> Resumes should be consistent with the persons listed on the Organizational Chart in Question # 6. Additional sheets should be provided only as required for the number of Key Personnel requested in the Advertisement and they must be in the format provided. By including a Firm as a Sub-Consultant, the Prime Applicant certifies that the listed Firm has agreed to work on this Project, should the team be selected.	
a. Name and Title Within Firm: Aubrey A. Dunn, Assoc. AIA, LEED Green Assoc., Staff Designer	a. Name and Title Within Firm:
b. Project Assignment: Designer	b. Project Assignment:
c. Name and Address Of Office In Which Individual Identified In 7a Resides: H2M Architects & Engineers, Inc. MBE <input type="checkbox"/> 433 River Street, Suite 8002 WBE <input type="checkbox"/> Troy, NY 12180 SDOVBE <input type="checkbox"/> VBE <input type="checkbox"/>	c. Name and Address Of Office In Which Individual Identified In 7a Resides: MBE <input type="checkbox"/> WBE <input type="checkbox"/> SDOVBE <input type="checkbox"/> VBE <input type="checkbox"/>
d. Years Experience: With This Firm: <u> 3 </u> With Other Firms: <u> 3 </u>	d. Years Experience: With This Firm: _____ With Other Firms: _____
e. Education: Degree(s) /Year/Specialization Bachelor of Architecture / 2022 / Rensselaer Polytechnic Institute	e. Education: Degree(s) /Year/Specialization
f. Active Registration: Year First Registered/Discipline/Mass Registration Number	f. Active Registration: Year First Registered/Discipline/Mass Registration Number:
g. Current Work Assignments and Availability For This Project: Ms. Dunn will be the Designer for this project. She is able to commit her full resources to this project through its duration.	g. Current Work Assignments and Availability For This Project:
h. Other Experience and Qualification Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): Ms. Dunn is an architectural designer with experience in the planning and design of municipal and public safety facilities. Her responsibilities include project management, drafting, developing renderings, and construction administration. Ms. Dunn is skilled in the use of Revit. Her relevant experience includes: <ul style="list-style-type: none">• East Greenbush New Fire Station, East Greenbush, NY• McKownville Fire Department New Fire Station; McKownville, NY• City of Scranton Emergency Services Training Facility & Operations Center, Scranton, PA• Delmar Fire Department Feasibility Study, Delmar, NY• Village of Scotia New Fire Station, Scotia, NY• Village of Scotia Municipal Building Renovation, Scotia, NY• Stanford Heights Fire District New Fire Station, Schenectady, NY• Jonesville Fire District Truck Bay Roof Replacement, Jonesville, NY	h. Other Experience and Qualification Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm):

7. Brief Resume of ONLY those Prime Applicant and Sub-Consultant personnel requested in the Advertisement. <u>Include Resumes of Project Managers.</u> Resumes should be consistent with the persons listed on the Organizational Chart in Question # 6. Additional sheets should be provided only as required for the number of Key Personnel requested in the Advertisement and they must be in the format provided. By including a Firm as a Sub-Consultant, the Prime Applicant certifies that the listed Firm has agreed to work on this Project, should the team be selected.	
a. Name and Title Within Firm: Jeffery McElravy, AIA, NCARB, Principal, Director of Public Safety Design	a. Name and Title Within Firm: Matt Salad, AIA, NCARB, MCPPO, Project Architect
b. Project Assignment: Principal in Charge, Peer Review	b. Project Assignment: Project Architect, Peer Review
c. Name and Address Of Office In Which Individual Identified In 7a Resides: Tecton ARCHITECTS Tecton Architects, pc 34 Sequassen Street, Suite 200 Hartford, CT 06106 MBE <input type="checkbox"/> WBE <input type="checkbox"/> SDOVBE <input type="checkbox"/> VBE <input type="checkbox"/>	c. Name and Address Of Office In Which Individual Identified In 7a Resides: Tecton ARCHITECTS Tecton Architects, pc 34 Sequassen Street, Suite 200 Hartford, CT 06106 MBE <input type="checkbox"/> WBE <input type="checkbox"/> SDOVBE <input type="checkbox"/> VBE <input type="checkbox"/>
d. Years Experience: With This Firm: <u>17</u> With Other Firms: <u>20</u>	d. Years Experience: With This Firm: <u>12</u> With Other Firms: <u>4</u>
e. Education: Degree(s) /Year/Specialization Bachelor of Science - Pennsylvania State University / 1985 / Architecture	e. Education: Degree(s) /Year/Specialization Bachelor of Architecture - University of Hartford / 2008 / Architecture Masters of Architecture - University of Kansas / 2012 / Architecture
f. Active Registration: Year First Registered/Discipline/Mass Registration Number 2010 / Architecture / CT / 2022 / Architecture / MA / 953461	f. Active Registration: Year First Registered/Discipline/Mass Registration Number: 2017 / Architecture / CT
g. Current Work Assignments and Availability For This Project: Jeff is able to commit fully throughout the duration of this project.	g. Current Work Assignments and Availability For This Project Matt is able to commit fully throughout the duration of this project.
h. Other Experience and Qualification Relevant To The Proposed Project: (Identify Firm By Which Employed, If Not Current Firm): Jeff serves as the Director of Public Safety Design and is personally involved in every public safety project at the firm. He is an Associate Membership of the International Association of Chiefs of Police (IACP), MA Chiefs of Police Association (MCOA) and CT Police Chiefs Association (CPCA), and was a long-serving member of the IACP Community Policing Committee. Jeff's resume includes more than 150 public safety projects, including: <ul style="list-style-type: none">Peabody Public Safety Headquarters New Construction Peabody, MALexington Fire Headquarters New Construction Lexington, MAAvon Fire Station Feasibility Study Avon, MABloomfield Fire Station New Construction Bloomfield, CTState of CT Regional Fire Training Schools Criteria Architect Five LocationsWest Natick Fire Station #4 New Construction Natick, MAWilbraham Main Fire Station Renovation/Addition Wilbraham, MANorth Brookfield Fire Station Feasibility Study North Brookfield, MAMonson Fire Station Feasibility Study Monson, MATyngsborough Public Safety Feasibility Study Tyngsborough, MA	h. Other Experience and Qualification Relevant To The Proposed Project: (Identify Firm By Which Employed , If Not Current Firm): Matt is a Project Manager with a passion for municipal and public safety projects. He is dedicated to an integrated team driven process to ensure an accurate and detailed product, while minimizing changes during construction. His technical expertise and background in the construction industry ensure that each project has its value and quality maximized. <ul style="list-style-type: none">Tyngsborough Public Safety Feasibility Study Tyngsborough, MAAuburn Fire Headquarters New Construction Auburn, MABellingham Fire Facilities Feasibility Study Bellingham, MABloomfield Center Fire Department Co. 3 New Construction Bloomfield, CTCarlisle Fire Station Feasibility Study Carlisle, MAEast Hartford Fire Station #2 Feasibility Study East Hartford, CTLexington Fire Headquarters New Construction Lexington, MANorth Brookfield Fire Station New Construction North Brookfield, MAState of Connecticut Regional Fire Training Schools Criteria Architect Five Locations

8a. Current and Relevant Work By Prime Applicant Or Joint-Venture Members. Include ONLY Work Which Best Illustrates Current Qualifications In The Areas Listed In The DSB Advertisement (List Up To But Not More Than 5 Projects).					
a. Project Name and Location Principal-In-Charge	b. Brief Description Of Project and Services (Include Reference To Areas Of Experience Listed In DSB Advertisement)	c. Client's Name, Address and Phone Number. Include Name Of Contact Person	d. Completion Date (Actual Or Estimated)	e. Project Cost (In Thousands)	
				Construction Costs(Actual, Or Estimated If Not Completed)	Fee For Work For Which Firm Was Responsible.
(1) City of Greenfield New Fire Station Headquarters 41 Main Street Greenfield, MA 01301 PIC: Dennis A. Ross	Prime consultant responsible for identifying numerous sites and project configurations as scope changed. Programming, public presentations, zoning and code analysis, sustainability, energy analysis, design, construction documents, and bid services.	City of Greenfield 14 Court Square Greenfield, MA 01301 Robert Strahan, Fire Chief P: 413-774-4737	2024	\$17,000	N/A
(2) Lexington Fire Headquarters Town of Lexington, MA 1625 Massachusetts Avenue Lexington, MA 02420 PIC: Dennis A. Ross	Firematic consultant to Tecton Architect for all phases. Programming, community engagement, budgeting, firematic design, design for well-being and protection from contamination, design of swing (temporary) space and site.	Town of Lexington, MA 1625 Massachusetts Avenue Lexington, MA 02420 Mark Barrett, Director of Public Facilities P: 781-274-8900	2020	Temp - \$1,775 Fire - \$14,825 Police - \$26,250	\$158
(3) Town of Natick, MA New Fire Station - West Natick #4 22 East Central Street Natick, MA 01760 PIC: Dennis A. Ross	Firematic consultant to Tecton Architect for all phases. Programming, schematic design, design development, construction documents, bidding, and construction administration.	Town of Natick, MA 22 East Central Street Natick, MA 01760 John Ciccariello, Chairman of West Natick Fire Station Building Committee P: 508-626-3680	2022	\$14,383	\$130
(4) Saratoga County Board of Supervisors, NY New County Public Safety Facility 6012 County Farm Road Ballston Spa, NY 12020 PIC: Dennis A. Ross	Critical service facility combining County, Sheriff, Public Health, and Probation emergency services, including operations and 911 call centers. Feasibility study, site evaluations, schematic design programming, construction documents, construction administration, and budgeting.	County of Saratoga 40 McMaster Street Ballston Spa, NY 12020 Thomas Speziale, Deputy Commissioner of Public Works P: 518-885-0087	2020	\$26,000	\$1,750
(5) City of Norwalk Fire Dept., CT New Fire HQ 121 Connecticut Avenue Norwalk, CT 06854 PIC: Dennis A. Ross	Initial feasibility study, schematic design through construction administration, abatement/demolition, new construction services, 2nd LEED Gold Fire Station in CT, assistance on \$1 million Federal EOC grant, designed over 60 integrated training regimens.	City of Norwalk. CT 121 Connecticut Avenue Norwalk, CT 06854 Dennis McCarthy, Past Fire Chief C: 203-667-4388	2014	\$13,500	\$900

8b. List Current and Relevant Work By Sub-Consultants Which Best Illustrates Current Qualifications In The Areas Listed In The Advertisement (Up To But Not More Than 5 Projects For Each Sub-Consultant). Use Additional Sheets Only As Required For The Number Of Sub-Consultants Requested In The Advertisement and They Must Be In The Format Provided.					
Sub-Consultant Name: Tecton Architects, pc					
a. Project Name and Location Principal-In-Charge	b. Brief Description Of Project and Services (Include Reference To Areas Of Experience Listed In DSB Advertisement)	c. Client's Name, Address and Phone Number (Include Name Of Contact Person)	d. Completion Date (Actual Or Estimated)	e. Project Cost (In Thousands)	
				Construction Costs (Actual, Or Estimated If Not Completed)	Fee for Work for Which Firm Was Responsible
(1) West Natick New Fire Station Natick, MA Jeff McElravy, AIA, NCARB, Principal	Natick's Fire Station #4 supports the largest call volume within the town and responds to calls within other districts as needed. The new station enables fast response times and provides adequate equipment and apparatus storage. Tecton's design included living quarters and supporting amenities, training rooms and tower for shared use with other districts, five double-deep apparatus bays and rooftop solar panels.	Chief Jason Ferschke 508.647.9559 22 E Central Street Natick, MA 01760	2022	\$14,383	\$1,344
(2) Lexington Fire Headquarters and Temporary Swing Space Lexington, MA Jeff McElravy, AIA, NCARB, Principal	Tecton completed a public safety master plan for the Town of Lexington, analyzing three facilities: the existing fire station; existing police station; and a temporary swing space. The Town's fire facilities were addressed first, with a renovation and move to a temporary swing space, demolition of the existing station, and new construction on the same site. The new station features a larger apron, six apparatus bays, kitchen, training, bunks, day room, decontamination and storage areas. The facility is designed to achieve LEED Gold or Silver Certification and exceeds the MA Stretch Energy Code by 30% through an all-electric HVAC design, roof-top solar and optimized carbon dioxide dilution.	Mark Barrett Director of Public Facilities 781.274.8900 201 Bedford Street Lexington, MA 02420	2020	Temp - \$1,775 Fire - \$14,825 Police - \$26,250	\$3,500 total (study, temp fire, fire HQ, police HQ)
(3) Bloomfield Fire Department Station #3 Bloomfield, CT Jeff McElravy, AIA, NCARB, Principal	Tecton worked with the Bloomfield Center Fire Department to conduct a feasibility study to explore options for Fire Station #3. After a discussion of the department's needs and review of the existing site and station, Tecton's recommendation is to replace the existing structure. The proposed design solution was approved and funded by the Town in Fall 2022, with design services immediately commencing. This project recently completed construction.	Jim Simone Deputy Fire Marshal/Captain 860.242.5131 18 Wintonbury Ave Bloomfield, CT 06002	2024	\$10,735	\$900
(4) Peabody New Public Safety Headquarters Peabody, MA Jeff McElravy, AIA, NCARB, Principal	Tecton is currently designing the Peabody Public Safety Headquarters with the goal of creating a contemporary facility meets the needs of a growing and diverse community and police force. Working in collaboration with the Owner's Project Manager, Construction Monitoring Services, Tecton completed a space needs assessment and initial conceptual design options, designed to translate the vision of the police department into programmatic spaces. The project's anticipated timeline slates construction to begin in fall 2024 and to be completed in spring 2026.	Chief Thomas Griffin 978.538.6308 6 Allens Lane Peabody, MA 01960	2026 Est.	\$56,000	\$5,000
(5) Greenfield New Fire Headquarters Greenfield, MA Jeff McElravy, AIA, NCARB, Principal	Tecton Architects and H2M Architects worked with the City of Greenfield for over a decade on numerous sites and project configurations. The project began as a fire station design, grew to a full public safety complex, and became a 20,000 square foot fire station on a new compact urban site at the entrance to the City on Main Street. H2M is the Architect of Record for this project. Tecton served as Associate Architect, providing peer review and interior design services.	Dennis A. Ross Principal Architect 518.765.5105 x2030 433 River St Suire 8002 Troy, NY 12180	2024	\$9,000	\$30

9. List All Projects Within The Past 5 Years For Which Prime Applicant Has Performed, Or Has Entered Into A Contract To Perform, Any Design Services For All Public Agencies Within The Commonwealth.

# of Total Projects: 6		# of Active Projects: 0		Total Construction Cost (In Thousands) of Active Projects (excluding studies): 0		
Role P, C, JV *	Phases St., Sch., D.D., C.D., A.C. *	Project Name, Location and Principal-In-Charge:		Awarding Authority (Include Contact Name and Phone Number)	Construction Costs (In Thousands) (Actual, or Estimated if Not)	Completion Date (Actual or Estimated) (R)Renovation or (N)New
C	St, Sch, DD, CD, AC	1. Lexington Fire Headquarters, Town of Lexington, MA 1625 Massachusetts Avenue Lexington, MA 02420 PIC: Dennis A. Ross		Mark Barrett, Director of Public Facilities P: 781-274-8900	Temp - \$1,775 Fire - \$14,825 Police - \$26,250	2020
C	St, Sch, DD, CD, AC	2. Town of Natick West Natick Fire Station #4 268 Speen Street Natick, MA 01760 PIC: Dennis A. Ross		John Ciccariello, Chairman of West Natick Fire Station Building Committee P: 508-626-3680	\$14,383	2022
P	St, Sch, DD, CD, AC	3. Town of Greenfield Public Safety Facility, Fire, Police, EOC & PSAP 412 Main Street Greenfield, MA 01301 PIC: Dennis A. Ross		Robert Strahan, Fire Chief P: 413-774-4737	\$17,000	2024
C	St, Sch	4. Town of Auburn, MA Feasibility Study for Auburn Fire, HQ and Station #2 47 Auburn Street Auburn, MA 01501 PIC: Dennis A. Ross		Stephen Coleman Jr., Chief Auburn Fire Rescue Dept. P: 508-832-7800	\$25,000	2021
C	St, Sch	5. Town of Charlton, MA, Design, Bidding and Construction Administration Services for New Public Safety Facility 10 Power Station Road Charlton City, MA 01507 PIC: Dennis A. Ross		Edward Knopf, Fire Chief P: 508-248-2299	\$20,000	2021
P	St, Sch	6. Chilmark, MA Fire Department Feasibility and Site Study 401 Middle Road Chilmark, MA 02535 PIC: Dennis A. Ross		Town of Chilmark Tim Carroll, Executive Secretary P: 508-645-2550	N/A	2019

* P = Principal; C = Consultant; JV = Joint Venture; St. = Study; Sch. = Schematic; D.D. = Design Development; C.D. = Construction Documents; A.C. = Administration of

10. Use This Space To Provide Any Additional Information Or Description Of Resources Supporting The Qualifications Of Your Firm And That Of Your Sub-Consultants For The Proposed Project. If Needed, Up To Three, Double-Sided 8 1/2" X 11" Supplementary Sheets Will Be Accepted. **APPLICANTS ARE ENCOURAGED TO RESPOND SPECIFICALLY IN THIS SECTION TO THE APPLICATION EVALUATION - PROJECT EXPERIENCE REQUESTED IN THE ADVERTISEMENT.**

H2M offers extensive emergency response facility experience in New England as well as throughout the United States. Our key personnel continue to write, teach, and speak at National Fire Station Design Conferences on current and important issues. Please see attached for additional information about our team's qualifications.

11. Professional Liability Insurance:

Name of Company	Aggregate Amount	Policy Number	Expiration Date
MSIG Specialty Insurance USA Inc.	\$1,000,000	MSTAEC00032	1/1/2026

12. Have monies been paid by you, or on your behalf, as a result of Professional Liability Claims (in any jurisdiction) occurring within the last 5 years and in excess of \$50,000 per incident? Answer YES or NO. If YES, please include the name(s) of the Project(s) and Client(s), and an explanation (attach separate sheet if necessary).
No

13. Name Of Sole Proprietor Or Names Of All Firm Partners and Officers:

Richard W. Humann, P.E. CEO & President, Chairman 50% MA #55234 Current, Engineering	David J. Pacheco, AIA Senior Vice President 20% MA #952774 Current, Architecture
Joseph M. Mottola, AIA COO, Executive Vice President, Secretary 20% MA #952817 Current, Architecture	Charles Martello, P.E. Senior Vice President 10% N/A

14. If Corporation, Provide Names Of All Members Of The Board Of Directors:

Name	Title	MA Reg #	Status/Discipline	Name	Title	MA Reg #	Status/Discipline
Richard W. Humann, P.E.	CEO & President, Chairman	50% MA #55234	Current, Engineering	David J. Pacheco, AIA	Senior Vice President	20% MA #952774	Current, Architecture
Joseph M. Mottola, AIA	COO, Executive Vice President, Secretary	20% MA #952817	Current, Architecture	Charles Martello, P.E.	Senior Vice President	10% N/A	

15. Names Of All Owners (Stocks Or Other Ownership):

Name and Title	% Ownership	MA Reg.#	Status/Discipline	Name and Title	% Ownership	MA Reg.#	Status/Discipline
Richard W. Humann, P.E.	50%	MA #55234	Current, Engineering	David J. Pacheco, AIA	20%	MA #952774	Current, Architecture
Joseph M. Mottola, AIA	20%	MA #952817	Current, Architecture	Charles Martello, P.E.	10%	N/A	

16. I hereby certify that the undersigned is an Authorized Signatory of Firm and is a Principal or Officer of Firm. I further certify that this firm is a "Designer", as that term is defined in Chapter 7C, Section 44 of the General Laws, or that the services required are limited to construction management or the preparation of master plans, studies, surveys, soil tests, cost estimates or programs. The information contained in this application is true, accurate and sworn to by the undersigned under the pains and penalties of perjury.

Submitted By
(Signature)



Printed Name and Title

David J. Pacheco, AIA
Senior Vice President

Date 8/18/25

The following forms MUST be attached to only ONE (ORIGINAL Copy) application: 1. SDO Certification required for MBE/WBE Firms; 2. Sub-Consultant Acknowledgment.

DSB S-CA	Commonwealth of Massachusetts Designer Selection Board SUB-CONSULTANT ACKNOWLEDGMENT
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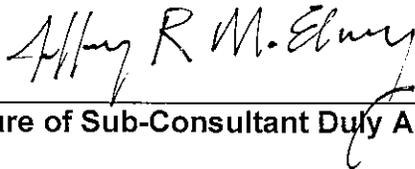
Project: Schematic Design Services for a New Tyngsborough Fire Department Headquarters

Applicant Designer: H2M Architects & Engineers

Sub-consultant: Tecton Architects

SUB-CONSULTANT ACKNOWLEDGMENT

The sub-consultant named above hereby certifies that it has been notified by the Applicant Designer that it has been nominated to perform work on the Applicant Designer's team for the above Project, which is under consideration at the Designer Selection Board.



Signature of Sub-Consultant Duly Authorized Representative

Jeffery McElravy, AIA, NCARB, Principal

Print Name and Title

8/4/2025

Date

It is a requirement that all applicants supply this document signed, attached to the Original application, for each of the listed sub-consultants stating that they are aware and agree to being nominated by said applicant designer. Electronic signatures are accepted.

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structural engineering interior
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water resources engineering r

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TOWN OF TYNGSBOROUGH
Office of the Town Manager
Town Offices | 25 Bryant Lane
Tyngsborough, MA 01879
Tel: (978) 649-2300 Ext. 100 | Fax: (978) 649-2320

David J. Pacheco, AIA
H2M Architects & Engineers
360 Bloomfield Avenue, Suite 406
Windsor, CT 06095

Re: Tyngsborough Fire Department Schematic Design

Mr. Pacheco:

October 7, 2025

On September 23, 2025, I notified you that the Town of Tyngsborough's Designer Selection Committee had recommended that I award a contract to your firm for the schematic design of a new Fire Department Headquarters in Tyngsborough. This was in response to your submitted qualifications from our Request for Qualifications issued in August.

On September 30, 2025, the Town received your signed price proposal that indicated your firm could complete the full scope of work as required by the RFQ for \$286,450.00.

I am happy to share that the Town accepts your price proposal and is preparing a contract for the work as we speak. I expect to have a contract for your review & execution by the end of the week. In the meantime, please sign and return this letter to me via email to confirm acceptance of our award.

We look forward to working with you on this important project.

Best,

Colin F. Loiselle
Town Manager

I David J. Pacheco, AIA, a duly authorized signatory for the above-mentioned company hereby confirms and acknowledge receipt of this award notice on October 7, 2025.

Duly Authorized Signature

David J. Pacheco, AIA
Printed Name