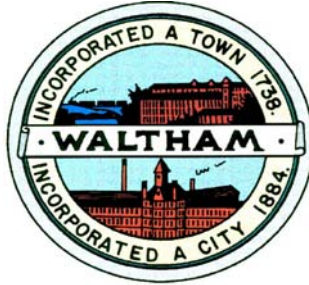


The City of Waltham



**Invites
Interested Parties
To propose the best offer and or bid
For the service or product herewith described:**

**Design, Roof Replacement, Waltham Community Center
(Former South Middle School)**

The bid opening will be held: 2:00 PM Tuesday April 29, 2014

Phone: 781-314-3244, Fax: 781-314-3245

CONTRACT

ARTICLE 1: DEFINITIONS

Approval; Approved: A signed written communication from the Authorized Representative of the City of Waltham to the Designer expressing the City of Waltham's approval of services or documents prepared by the Designer, which approval shall not relieve the Designer from any of its professional responsibilities under this Contract; item with respect to which such written approval has been given.

As-Built Drawings: All Drawings, Specifications, Approved shop drawings, catalogue cuts and other items bearing markings or containing information provided by the general contractor to indicate construction details and changes made during the construction period.

Attachment A: Attachment A, attached hereto and incorporated herein by reference, is the Scope of Services for this Contract.

Authorized Representative: The Authorized Representative(s) of the City of Waltham is (are) the person(s) named in the signature page of this Contract or such other person or persons as the chief executive officer of the City of Waltham may designate in writing.

City of Waltham: The City of Waltham named in this Contract.

Basic Fee: The Basic Fee is the Designer's fee specified in Article 5 of this Contract.

Basic Services: All services required to be performed by the Designer under this Contract except those for which reimbursement is made or provision for additional compensation provided for under Articles 6 and 7.

Construction Contract: One or more contracts between the City of Waltham and a general contractor for the construction of the Project.

Construction Cost: The cost of constructing the Project inclusive of all designed construction, demolition, and renovation work, all supportive and preparatory construction work required for the Project, all general contractors, subcontractors, suppliers, materials, equipment, general conditions, insurance, overhead and profit and all other allowances. The Construction Cost includes change orders during the construction administration phase of the Project.

Construction Cost Estimate: The written estimate of the Construction Cost of the Project prepared by the Designer at various phases of the Project on the basis of the *Uniformat II Elemental Classification for Building Specifications, Cost Estimating and Cost Analysis* dated October 1999 published by the U.S. Department of Commerce NIST to the level of detail specified in this Contract. The following contingencies are included in the Construction Cost Estimate: estimating, phasing and temporary work, and escalation. The term also includes the final cost estimate that the Designer is required by this Contract to prepare in *MasterFormat* (2004 edition) published by the Construction Specifications Institute.

Consultant: A subcontractor of the Designer.

Contract: This Contract for Designer's Services.

Contract Schedule: A critical path management or Gantt schedule for the activities of the Designer and its Consultants required by this Contract.

Estimated Construction Cost: The Construction Cost as estimated in the Construction Cost Estimate prepared by the Designer at various phases of the Project to the level of detail and in the format specified in this Contract.

Fixed Limit Construction Cost: The maximum Construction Cost established by the City of Waltham as set forth in the Scope of Services.

Gross Floor Area: The total floor area of the Project buildings measured using the perimeter dimensions of the building shells and calculated in accordance with the *ASTM International Standard Classification for Building Floor Area Measurements for Facility Management*.

Laws: Applicable statutes, acts, rules, regulations, requirements, orders, directions, ordinances, judgments, decrees, and injunctions of or by the United States of America, the City of Waltham of Massachusetts; and any political subdivisions of either of them; and any agency, department, commission, board, bureau, or instrumentality of any of them.

Neutral: An impartial third party not having an interest in the Public Entity, City of Waltham, Designer, any construction contractor on the Project, or the Project.

Notice to Proceed: A written communication from the Chief Procurement Officer of the City of Waltham directing the Designer to perform services for the particular phase of the Project as set forth in such communication.

Permits: Governmental, quasi-governmental and other necessary permits and approvals, including the filing of notices or information with governmental or quasi-governmental entities and authorities that are necessary for the implementation of the Project at the site. The term "Permits" shall include permits and approvals from utility companies and also include permissions, approvals and consents by private parties necessary for the design and construction of the Project, such as an approval by a landlord or other holder of an interest in the Project site.

Program: The program prepared for the Project in accordance with the provisions of M.G.L. c. 29, § 7k or any other pre-design document prepared for the Project in accordance with any other statute, appropriation, authorization or administrative directive consistent therewith.

Project: The Project identified in this Contract.

Public Entity: The City of Waltham of Massachusetts its agent or instrumentality.

Qualified Testing Laboratory: A testing laboratory licensed by the City of Waltham or otherwise qualified to perform specific analyses of samples.

Record Drawings: The Drawings prepared by the Designer and its Consultants pursuant to this Contract which incorporate the changes made during the construction period and which incorporate information on the marked-up prints, As-Built Drawings and other data furnished by the general contractor and subcontractors.

Resident Engineer: The on-site representative of the City of Waltham for the Project.

Schedule of Values: A schedule prepared by the Designer and Approved by the City of Waltham that allocates the payments of the Basic Fee to various milestones in the performance of the Designer's Basic Services, which schedule shall be consistent with the percentages specified in Section 8.2.

Standard Application: The standard application promulgated by DCAM to be used by Designers contracting with DCAM; if the City of Waltham is other than DCAM, then the City of Waltham at its election may require the Designer to use the Standard Specification but is not required to do so.

Study: feasibility or other study to identify and evaluate alternative solutions to and recommend a solution to the needs and requirements defined by the City of Waltham with respect to the facility that is the subject of the Project. If the City of Waltham is a state agency, the term "Study" refers to the study certified pursuant to M.G.L. c. 29, s. 7k.

City of Waltham: The department, county, commission, board or agency that will occupy the Project or for which the Project shall be undertaken.

ARTICLE 2: RESPONSIBILITIES OF THE CITY OF WALTHAM

2.1 Approvals. The City of Waltham shall without unreasonable delay either i) render to the Designer any Approval required by this Contract or ii) notify the Designer in writing why such Approval is being withheld. The City of Waltham shall not unreasonably withhold any Approval, acceptance, or consent required under this Contract.

- 2.2 Payment.** For satisfactory performance of all of the Designer's obligations under this Contract, the City of Waltham shall compensate the Designer in accordance with the provisions of Articles 5, 6, 7, 8, and 9 of this Contract.
- 2.3 Surveys and Data.** The City of Waltham shall furnish to the Designer existing and available surveys of the Project's building site or sites, showing the grades and lines of streets, pavements and adjoining properties; the rights, restrictions, easements, boundaries and contours of the site or sites; reports from any borings, test pits; chemical, mechanical or other tests; photographs and information as to water, sewer, electricity, steam, gas, telephone and other services; and data and drawings regarding existing buildings. All items and data provided to the Designer by the City of Waltham shall remain the property of the City of Waltham or the Public Entity. The Designer may use items and data provided by the City of Waltham only for the purposes of this Contract, unless the City of Waltham shall give the Designer specific written permission for some other use. The City of Waltham does not guarantee nor does it make any express or implied warranties concerning the accuracy of any such information furnished to the Designer.
- 2.4 Construction Contract Procurement.** The City of Waltham shall reproduce, advertise and distribute the bid documents necessary for the competitive procurement of the Construction Contract and shall conduct the procurement process with the assistance of the Designer as provided in Section 4.3 of this Contract.
- 2.5 No Waiver.** The City of Waltham's review, Approval, acceptance of, or payment for, any of the services furnished by the Designer shall not be construed as a waiver of any rights under this Contract or of any cause of action arising out of the performance of this Contract. The City of Waltham's Approval shall not in any way relieve the Designer from performing all work required under this Contract in accordance with the standard of care set forth in Section 3.3 herein.
- 2.6 Right to Rescind Approval of Consultant.** The City of Waltham may rescind the City of Waltham's prior consent to a Consultant if a Consultant or subcontractor is incompetent, irresponsible or otherwise unsatisfactory, and the Designer shall remove such Consultant or subcontractor from the work. If a Consultant is so removed, the Designer shall provide another Consultant with similar credentials and qualifications (including but not limited to MBE/WBE) that meets with the Approval of the City of Waltham. The removal of such Consultant or sub consultant shall not relieve the Designer from its responsibilities for services of its Consultants and sub consultants under this Contract.

ARTICLE 3: DESIGNER'S BASIC SERVICES -- GENERAL

- 3.1 General.** The Designer shall perform professional services in accordance with the terms of this Contract, the Study for the Project which is incorporated herein by reference, the Scope of Services set forth in Attachment A, the provisions of M.G.L. c. 7, § 42C, the City of Waltham requirements, and in accordance with the procedures set forth in Attachment B. If the Designer did not perform the Study for the Project, then the Designer Selection Board advertisement is also incorporated herein by reference and the Designer shall perform its services in accordance with such advertisement. In the case of conflict between the terms of this Contract and any of the provisions incorporated herein by reference, the provisions of this Contract shall control. The Designer shall be responsible for the professional accuracy and coordination of all designs, drawings, specifications, cost estimates, and other services and submittals furnished by Designer

and by its Consultants in accordance with the standard of care set forth below in paragraph 3.3. The Basic Fee shall compensate Designer for all of Designer's obligations specified in this Contract except as otherwise specifically provided herein. Unless otherwise specified in the Scope of Services the Designer's Basic Services do not include prequalification services required for either a Construction Manager At-Risk Project in accordance with M.G.L. c. 149A or prequalification services required or decided upon by the City of Waltham under M.G.L. c. 149 §§44D1/2 or 44D3/4.

- 3.2 CITY OF WALTHAM Staffing; Time of Essence.** The Designer's personnel who shall provide services under this Contract are those listed in Attachment C. The Designer shall provide sufficient personnel to complete the services required by this Contract in a continuous and timely manner, and shall meet the Approved Contract Schedule agreed upon in accordance with Section 4.1 of this Contract. Time is of the essence of this Contract.
- 3.3 Standard of Care, Compliance with Laws.** The Consultant agrees that the services provided hereunder shall conform to the standard of care and practice exercised by design professionals or consultants engaged in performing comparable services; that the personnel furnishing said services shall be qualified and competent to perform adequately the services assigned to them; and that the recommendations, guidance and performance of such personnel shall reflect such standards of care and practice. In addition to and without limiting the foregoing, the Designer agrees that the work and services performed hereunder shall conform to the standards set forth in this Contract and will endeavor to conform to all applicable Laws.
- 3.4 Quality Assurance.** The Designer shall demonstrate to the Authority the presence and implementation of quality assurance procedures. The Designer shall identify individual(s) responsible for bid document review and cost estimating, as well as methods utilized to determine the completeness, accuracy, and coordination of drawings, specifications, cost estimates, and other data and documentation.
- 3.5 Fixed Limit Construction Cost.** The Designer shall determine the materials, equipment, component systems and types of construction included in the design of the Project so that it may be awarded within the Fixed Limit Construction Cost without alternates (unless Approved by the City of Waltham) and without allowances of any nature. Such determination shall be subject to the Approval of the City of Waltham, which shall not be unreasonably withheld. If the City of Waltham has appointed a construction manager or an independent cost estimator for the Project, the Designer shall validate its Construction Cost Estimates with such person. Construction Cost Estimates shall be subject to the Approval of the Authorized Representative. The decision of the City of Waltham shall be final in matters pertaining to this section but the Designer shall not be responsible for any decision by the City of Waltham that is inconsistent with generally accepted standards of professional practice provided that the Designer shall have advised the City of Waltham in writing of the inconsistency at the time of the Approval. If within three (3) months after approval of Construction Documents, in final form, the bids of the lowest responsible and eligible bidders exceed the Fixed Limit Construction Cost, the Designer shall, if so instructed in writing by the City of Waltham, provide such revised construction drawings and specifications and Construction Cost Estimates as the City of Waltham shall require for the purpose of bringing the cost within the Fixed Limit Construction Cost; provided that Designer may in connection with such revision make reasonable adjustments in the scope of the project subject to the written approval of the City of Waltham, which approval shall not be unreasonably withheld. The Designer shall not be paid additional compensation for such services.

3.6 Designer to Evaluate Surveys and Data. The Designer shall analyze and evaluate the information furnished by the City of Waltham pursuant to Section 2.3 above. If items or data of the type identified in Section 2.3 are not available or are, in the reasonable opinion of the Designer, insufficient to permit the Designer properly to perform its services hereunder, the Designer shall submit a written request to the City of Waltham for permission to obtain the services of one or more Consultants to perform the necessary services, in which case unless the services are included in the Scope of the Contract, the Designer shall be reimbursed in accordance with Article 7 (Reimbursable Costs and Expenses), or to perform the services with the Designer's own employees, in which case the Designer shall be compensated in accordance with Article 6 (Additional Services; Additional Compensation). In no case shall the Designer commence or authorize a Consultant to commence such services without the prior Approval of the City of Waltham.

3.7 Corrections by City of Waltham. The Designer shall furnish appropriate competent professional services for each of the phases of the Project to the point where detail checking or reviewing by the City of Waltham is not necessary. Any changes, corrections, additions, or deletions made by the City of Waltham shall be incorporated into the design of the Project unless specific written objections thereto are made by the Designer and Approved by the City of Waltham. The decision of the City of Waltham shall be final in matters pertaining to this section, but the Designer shall not be responsible for any such decision by the City of Waltham that is inconsistent with generally accepted standards of professional practice provided that the Designer advised the City of Waltham in writing of the inconsistency at the time the decision was made.

3.8 Employment of Consultants. Subject to the provisions of this Contract and the Approval of the City of Waltham, whenever the services of the following Consultants, and any other Consultants listed in Attachment A or in the Designer Selection Board's advertisement for the Project, are required, the Designer shall employ them and be responsible for their work and the coordination and supervision thereof: structural engineers, electrical engineers, mechanical engineers, civil engineers, plumbing engineers, sanitary engineers, architects, landscape architects, code specialists, cost estimators, specification writers, interior designers, and [insert others, if required]:

Consultants shall be registered in Massachusetts in their respective disciplines if registration is required by the applicable Laws. If the City of Waltham directly employs an independent cost estimator, Owner's Project Manager, and/or other consultant(s), the Designer and its Consultants shall work directly with the City of Waltham's consultant(s) to ensure that optimum cost, scheduling, and ease of construction objectives are met.

- 3.9 Approval of Consultants.** Except as specifically provided in this Contract, the Designer shall not employ Consultants, or sublet, assign or transfer any part of its services or obligations under this Contract without the prior Approval of the City of Waltham subject to the provisions of M.G.L. c. 7, §38H. To obtain such Approval, the Designer must submit the items required by M.G.L. c. 7, §38H. The Designer shall provide the City of Waltham with complete copies of its contracts with each of its Consultants within 14 calendar days of the execution of such contracts.
- 3.10 Consultants Barred from Construction Work.** The Designer shall not employ in any element of design, specification, estimating, evaluation or other work under this Contract any person or firm that expects to be a bidder, subcontractor or supplier for the construction of the Project or any part thereof. The Designer shall obtain from every Consultant a written representation that such Consultant is aware that it is prohibited from serving as a bidder, subcontractor, or supplier for the construction of the Project or any part thereof.
- 3.11 Prompt Payments to Consultants.** The Designer shall, within 14 calendar days after receiving payment from the City of Waltham, either make payment to each Consultant whose work was included in the work for which such payment was received or notify the City of Waltham in writing of the reason why such payment is not being made within such time period.
- 3.12 Proprietary Items.** Without limitation, the Designer, Designer's employees and Consultants shall adhere to the provisions of M.G.L. c. 30, § 39M, which provides in part:

"Specifications for such contracts, and specifications for contracts awarded pursuant to the provisions of said sections forty-four A to forty-four L of said chapter one hundred and forty-nine, shall be written to provide for full competition for each item of material to be furnished under the contract; except, however, that said specifications may be otherwise written for sound reasons in the public interest stated in writing in the public records of the City of Waltham or promptly given in writing by the City of Waltham to anyone making a written request therefore, in either instance such writing to be prepared after reasonable investigation. Every such contract shall provide that an item equal to that named or described in the said specifications may be furnished; and an item shall be considered equal to the item so named or described if, in the opinion of the City of Waltham: (1) it is at least equal in quality, durability, appearance, strength and design, (2) it will perform at least equally the function imposed by the general design for the public work being contracted for or the material being purchased, and (3) it conforms substantially, even with deviations, to the detailed requirements for the item in the said specifications. For each item of material the specifications shall provide for either a minimum of three named brands of material or a description of material which can be met by a minimum of three manufacturers or producers, and for the equal of any one of said name or described materials."

The City of Waltham becomes the sole proprietor of all design and bid documents including specifications, drawings, plans, submittals and all other information for which the Designer has been paid to produce.

The Designer shall refer to the law and consult with the City of Waltham for procedures regarding proprietary items. The City of Waltham may waive the provisions of this law for "sound reasons in the public interest." No such waiver shall bind the City of Waltham unless made in writing and executed by the City of Waltham.

3.13 ADA, Handicap Access and Nondiscrimination Laws. Consistent with the standard of care and practice stipulated in Section 3.3 above, the Designer shall perform its services under this Agreement in strict compliance with all Laws relating to architectural accessibility, including without limitation, the applicable sections of the Americans with Disabilities Act of 1990 (“ADA”, 42 U.S.C. sections 12101 et. seq.), the ADA Accessibility Guidelines for Buildings and Facilities (“ADAAG”), and the regulations of the Massachusetts Architectural Access Board (“MAAB”, 521 CMR 1.1 et. seq.). The Designer recognizes that the Public Entity, the City of Waltham and the City of Waltham are Public Entities subject to Title II of the Americans with Disabilities Act, may be recipients of federal funds under the Rehabilitation Act of 1973, and are subject to the MAAB regulations referenced above. The Designer hereby assumes the Public Entities’ obligations, including those that exist under the MAAB, ADAAG and/or the Rehabilitation Act of 1973 to design a facility accessible to and usable by people with disabilities. The Designer shall provide the City of Waltham with designs that provide access to all programs, activities and services to be conducted within the facilities to be designed in accordance with the scope of work of the Contract and to document compliance with the above referenced standards, as well as any variance or waivers of the above requirement the Designer may have obtained on behalf of the public entities. The Designer shall not seek any such variance or waiver of the above requirements without the express, written authorization of the City of Waltham. The Designer shall exercise due care and diligence in accordance with the standard of care set forth in paragraph 3.3 above, in performing the work required under this Contract to protect, indemnify and defend the Public Entity, the City of Waltham from claims for failure to comply with the laws, rules and regulations pertaining to architectural accessibility for people with disabilities.

3.14 Permits Generally. Unless otherwise instructed by the City of Waltham in writing, the Designer shall obtain all Permits required to implement Designer's design at the site other than standard building permits customarily obtained by the general contractor. The Designer shall obtain the prior Approval of the City of Waltham of all permit applications, notices, and accompanying documentation before filing them with the appropriate governmental entity or other party. The Designer shall provide the City of Waltham with a certified list of all Permits required to implement the design at the site as soon as possible during design development, shall schedule target dates for the procurement of such Permits, and shall regularly update such list and schedule during the term of this Contract. The Designer shall certify in writing at the time that construction documents (or changes thereto) are submitted to the City of Waltham that the Designer has identified all Permits required to implement the Project and that those not identified in writing as being the responsibility of the City of Waltham have been identified in the specifications as being the general contractor’s responsibility. Notwithstanding the foregoing, any required attendance by the Designer at any public hearing in connection with any Permit shall be considered an Additional Service to be compensated in accordance with Article 6 of this Contract, and any Permit application fee shall be considered a Reimbursable Expense to be reimbursed in accordance with the provisions of Article 7.

3.15 Permits Related to Change Orders. The Designer shall also provide to the Awarding Authority a written certification of all Permits required to implement change order work at the site when the Designer submits for approval any change order request to the City of Waltham during the construction phase of the Project, whether the change order request was made by the Designer, the City of Waltham, or the general contractor.

3.16 Special Consultants. The Designer shall retain the services of a Qualified Testing Laboratory, special field inspectors, and other special Consultants not referenced in Section 3.8 above when

required for the Designer's services for the Project. The identity of such Consultants shall be approved in advance by the City of Waltham, which Approval shall not be withheld unreasonably. When such a special Consultant's services are required, including the services of a Qualified Testing Laboratory functioning under the jurisdiction of both a Massachusetts registered engineer and licensed inspectors, a detailed description of the proposed services shall be prepared by the Designer and shall be subject to the Approval of the City of Waltham. Consultant fee proposals shall be obtained by the Designer from at least three such consultants and submitted to the City of Waltham together with the Designer's recommendation for selection before any work shall be approved. The City of Waltham may waive the requirement for three proposals for good cause. Each such Consultant whose fee for such services exceeds \$25,000 shall demonstrate coverage by liability insurance in an amount not less than its fee. The cost for services of any Approved special Consultant not listed in Section 3.8, in the Scope of Services or in the Designer Selection Board advertisement for the Project shall be reimbursed as provided in Article 7. For solicitation, inspection, analysis, coordination, and evaluation of such Consultants' services, and for assuming liability therefore, the Designer shall be compensated as provided in Article 7.

3.17 Copyrights, Patents, Intellectual Property Rights. The Designer hereby grants to the City of Waltham an irrevocable royalty-free license to use for any purpose the following items developed or made part of the work or services performed under this Contract: all drawings, designs, specifications, photographs, images, notes, materials and other work and ideas of the Designer and its Consultants and subcontractors related to the performance of this Contract which are or may be covered by copyright, patent, or other intellectual property Laws or as to which Designer and its Consultants and subcontractors may assert any rights or establish any claim under any such Laws. The Designer agrees on behalf of itself and its Consultants and subcontractors that the City of Waltham and the Public Entity shall have unlimited royalty-free rights, for the benefit of the City of Waltham and the Public Entity and any public entity to which the City of Waltham or the Public Entity may grant the right to share such rights, in any and all drawings, designs, specifications, photographs, images, notes, materials and other work and ideas developed in the performance of this Contract, including the right to use the same on any Public Entity or other public entity projects. The Designer shall incorporate by reference this provision into all contracts with its Consultants and subcontractors on this Project including, but not limited to, architects, engineers, estimators, designers and photographers. The Designer and its Consultants and subcontractors shall not be responsible for changes made in the documents without the Designer's authorization, nor for the City of Waltham's or other public entity's use of the documents on projects other than the Project, unless this is a contract for design services for a master plan or prototype. The City of Waltham assumes the risk resulting from any such changes made in the documents without the Designer's authorization, or for the City of Waltham's or other public entity's use of the documents on projects other than the Project.

3.18 Security and Confidentiality. The Designer and its Consultants and subcontractors shall maintain the confidentiality of Project records, including, but not limited to, all prints, plans, policies, procedures, studies, specifications and drawings, which relate to internal layout and structural elements, electrical and mechanical systems, security measures, emergency preparedness, threat or vulnerability assessments, and any other records relating to the security or safety of persons or buildings, structures, facilities, utilities, transportation or other infrastructure located within the City of Waltham, the disclosure of which, in the reasonable judgment of the City of Waltham, is likely to jeopardize the safety of persons or property. Without limiting the foregoing, if the Project is a designated "Security Sensitive Information" project, the Designer shall execute a separate

Security Sensitive Information Procedures and Confidentiality Agreement and shall comply with such document protection requirements as may be referenced in said agreement.

ARTICLE 4: PROSECUTION AND PROGRESS OF BASIC SERVICES

The Designer shall perform the following specific tasks in the following phases:

4.1 Schematic Design Phase Services.

- i. Upon receipt of a Notice to Proceed with Schematic Design Phase from the City of Waltham, the Designer and its appropriate Consultants shall meet with agents of the City of Waltham to arrive at a mutual understanding of the requirements of the Study or Program furnished by the City of Waltham.
- ii. The Designer shall submit a proposed design work plan for the Designer's Services pursuant to this Contract including anticipated tasks and submittals. The Designer shall submit a proposed Contract Schedule consistent with any project schedule included in the Study or Scope of Services referenced in Attachment A. The schedule shall contain dates for submittals, deliverables, actions, milestones, design workshops, meetings and the critical path through all design service activities. It shall include allowances of time for the City of Waltham's review and approval of submittals and for necessary submissions for Permits in connection with the Project. When Approved by the City of Waltham the work plan and the Contract Schedule shall govern the Designer's duties hereunder. The work plan shall also include a work plan schedule of values consistent with the payment schedule for the Basic Fee specified in Section 8.2, which shall be the basis of which payments of the Basic Fee within each phase shall be made. The work plan schedule of values shall identify deliverables within each phase and percentages of the phase fee payable upon completion of such deliverable. When Approved by the City of Waltham the work plan schedule of values shall govern the timing of payments of the Basic Fee upon completion of deliverables within each phase and as each phase progresses.
- iii. The Designer shall prepare a preliminary evaluation of the City of Waltham's Program, Study and construction budget requirements subject to the limitations described in subparagraph iv below. If the Designer is the Designer that performed the Study, the City of Waltham may at its option permit the Designer to develop the preferred Study alternative. Otherwise the Designer shall develop at least three alternative designs to a pre-schematic level. For the purposes of the preceding sentence "pre-schematic" means a general design concept level including program space and building envelope, footprint, massing, volume, orientation, and site context. Each pre-schematic alternative shall include a Construction Cost Estimate in Uniformat II Level 1 format. The Designer shall review with the City of Waltham the alternative designs and shall make a recommendation as to the preferred alternative. Upon selection by the City of Waltham of the preferred alternative, the Designer shall develop the preferred alternative to a full schematic design level. Schematic design level documentation shall incorporate City of Waltham and comments and shall include:
 - (a) drawings, concept sketches, three dimensional representations, and specifications;
 - (b) a building code analysis;
 - (c) an environmental assessment;

- (d) a preliminary life cycle cost analysis,
- (e) a plan for implementation or inclusion of any appropriate public utility energy conservation design programs;
- (f) an analysis of the design's compliance with the Americans with Disabilities Act/Massachusetts Architectural Access Board requirements;
- (g) a space measurement analysis for the design which shall verify that the sum of all program floor areas in the Project plus all other floor areas in the Project equal the Gross Floor Area of the Project;
- (h) a Construction Cost Estimate for the design in Uniformat II Level 2 format with aggregated unit rates and quantities supporting each item and verified as accurate and complete by the cost estimator and/or Owner's Project Manager , if any, employed by the City of Waltham;

- iv. Schematic design level documentation shall also include a summary comparing the schematic plans, specifications and Estimated Construction Cost of the design to the Program and Study requirements and shall explain any deviation from there. The Designer shall be aware of the following provisions of M.G.L. c. 29, § 26A and shall cause its services to comply therewith:

“No state agency . . . administering a capital facility project shall enter into any contracts for that project . . . or cause to be performed design services for that project . . . if such would result in the completion of a project which cannot be accomplished (a) within the appropriation or authorization for the project or within the project cost limits specified by the appropriation or authorization and (b) without substantial deviation from (i) any study or program which must be prepared in accordance with the provisions of section 7K of this chapter or (ii) any other pre-design planning document which must be prepared in accordance with any other statute, appropriation or authorization or administrative directive consistent therewith. In no event shall the design work be such as would result in a change in the number of gross square feet to be constructed in the project of more than ten per cent from the number specified in the study, program or other pre-design document referred to [above].”

- v. Schematic design phase drawings, specifications, Construction Cost Estimates and other submittals shall be subject to the written Approval of the City of Waltham. Unless a lesser number is requested by the City of Waltham, the Designer shall submit to the City of Waltham for approval six (6) copies of schematic design drawings, specifications, cost estimates, and other submittals.

4.2 Design Development Phase Services.

- i. Upon receipt of a Notice to Proceed with the Design Development Phase, the Designer and its Consultants shall meet regularly and as necessary with agents of the City of Waltham shall update and refine items submitted during the schematic design phase, and shall submit, on or before the date specified in the Contract Schedule, and on the basis of the Approved schematic design phase documents:

- (a) an updated work plan and Project Schedule;

- (b) a list of all Permits required to implement the design and a schedule of target dates for the procurement of such Permits, which list and schedule shall be regularly updated during the term of this Contract;
- (c) information and documentation within the technical expertise of the Designer and its Consultants that is necessary for the City of Waltham to file Environmental Notification Forms, Environmental Impact Reports, and any other filings for Permits that must be filed during the design development phase;
- (d) complete design development drawings, draft specifications indicating any filed sub-bid sections based on the cost of the work and other documents necessary to specify the size and character of the Project as to siting, landscape, architectural, structural, fire protection, plumbing, HVAC, electrical, ADA/MAAB, product requirements, and other features;
- (e) quality control documentation demonstrating without limitation coordination of: ceiling clearances, mechanical room size, and shaft sizes; specifications and drawings; filed sub-bid work or sections; scheduling; equipment and power; existing and new construction; and phasing;
- (f) design development drawings for which the Designer shall submit for a "tentative approval" review to the public agency having jurisdiction over enforcement of the State Building Code with respect to the Project (the Department of Public Safety of the City of Waltham for state-owned Projects or the building commissioner of the city or town in which the Project is located for other projects);
- (g) a life cycle cost analysis to determine which design decisions related to all energy and water consuming devices and overall building operation and maintenance are the most cost effective [M.G.L. c. 149, s. 44M];
- (h) a Construction Cost Estimate for the design in Uniformat II Level 3 format, with unit rates and quantities supporting each item, which shall have been reviewed and approved as accurate and complete by any cost estimator or Owner's Project Manager employed by the City of Waltham with respect to the Project;
- (i) a space measurement analysis for the design verifying that the sum of all program areas in the Project plus all other floor areas in the Project equals the Gross Floor Area of the Project;
- (j) a summary or summaries comparing the design development drawings, specifications and cost estimates with the Program requirements, and explaining any deviations in writing.

- ii. Such drawings, specifications, cost estimate and other design development submittals shall be subject to the written Approval of the City of Waltham. Unless a lesser number is requested by the City of Waltham, the Designer shall submit to the City of Waltham for approval six (6) copies of design development drawings, specifications, cost estimates, and other submittals.

4.21 Ownership of Designer produced documents.

Upon payment of the designer's fee as specified in Articles 5 and 8, the City becomes the owner of all sketches, prints, drawings, submittals, etc produced as a result of this project.

4.3 Construction Documents Phase Services.

- i. Upon receipt of a Notice to Proceed with the Construction Documents Phase of the Project from the City of Waltham, the Designer and its Consultants shall meet regularly as necessary with agents of the City of Waltham, and based on the submittals Approved in the design development phase of the Project, shall update and refine the items previously submitted and shall submit on or before the date and time specified in the Approved Project Schedule:
 - (a) an updated work plan and Project Schedule;
 - (b) complete construction drawings and specifications, certified by the Designer as having satisfied the applicable quality control review, approved as required by subsection ii below, in sufficient detail to permit fixed-price bids in open competition for construction of the Project;
 - (c) an updated environmental assessment, building code analysis, ADA/MAAB analysis, and a certified list of all required testing and all required Permits as well as a certification that all applicable local, state and utility officials have been contacted by the Designer regarding each utility connection and that the persons responsible for permits or connection approval has agreed to the systems' use;
 - (d) structural and energy calculations, building code analysis, ADA/MAAB analysis;
 - (e) at the 60% stage of completion of the final drawings and specifications, a Construction Cost Estimate prepared using the Uniformat II Classification to Level 3, including quantities of all materials and unit prices of labor, equipment, and materials as well as a cost estimate for each item of work, for review by the City of Waltham;
- ii. The Designer shall furnish a revised and final Construction Cost Estimate, current as of the date of the final bid document submission, including cost estimates for general conditions, overhead and profit, insurance, bonds, and all other items; provisional allowances for work not sufficiently designed at this phase; and allowances expressed as percentage rates for construction contingencies and escalation to the bid date. The final Construction Cost Estimate shall be prepared in Uniformat II Elemental Classification to Level 3 (Sections A-G inclusive) and shall be complete with a single line outline specification description for each item with the detailed unit rate or item cost buildup provided as a backup in each case.
- iii. The Designer shall furnish a final Construction Cost Estimate, current to the date of the final bid document submission, in Construction Standards Institute Masterformat cross-referenced to the final Uniformat II Construction Cost Estimate. This estimate shall contain the same total and percentage allowances as the final Uniformat II Construction Cost Estimate for overhead and profit and for any further allowances for escalation and other contingencies.
- iv. The Designer shall also submit a summary comparing the final construction drawings and specifications and final Estimated Construction Cost with the Program requirements and submittals made during the design development phase, explaining any significant deviations.
- v. All submittals shall be subject to the written approval of the City of Waltham. Unless a lesser number is requested by the City of Waltham or is provided below in subsection vii, the Designer shall furnish to the City of Waltham for approval six (6) sets of the drawings,

specifications Construction Cost Estimates and other submittals. The Designer shall also furnish electronic media copies of the foregoing drawings and documents in such form as is required by the City of Waltham.

- vi. From the Approved construction drawings and specifications, with such changes as the City of Waltham requires, the Designer shall prepare and transmit to the City of Waltham a set of reproducible black and white drawings and original specifications on high quality white bond paper, single-sided, properly packaged, suitable for reproduction, stamped and signed by all disciplines, which documents shall become the property of the City of Waltham. Other suitable methods may be used with the prior Approval of the City of Waltham. One copy of the drawings and specifications shall be submitted with the reproducible drawings and specifications.
- vii. The City of Waltham will copy the construction bid documents, including advertisements, for receipt of proposals from construction contractors, and for execution of a Construction Contract or contracts. The Designer shall prepare all addenda (to include bidders' questions and Designer's responses), subject to the Approval of the City of Waltham. The Designer and its Consultants shall attend and chair the pre-bid conference if one is scheduled, taking note of all questions asked. Relevant questions submitted in writing shall be answered by means of written addenda to the bid documents as required. The Designer shall attend the bid opening and conduct a review of the qualifications of the low filed sub-bidders and general bidder (and of other bidders if necessary) and shall, within five working days of the respective bid opening dates, advise the City of Waltham in writing of the Designer's opinions as to the sub-bidders' bids and as to which general bidder is the responsible and eligible bidder that has submitted the lowest bid.
- viii. If required by law or requested by the City of Waltham, the Designer shall, as an Additional Service, assist the City of Waltham in the prequalification of prime contractors and sub-contractors in the filed sub-bidder or trade contractor scopes of work pursuant to M.G.L. c. 149, §§44D1/2 and 44D3/4 or M.G.L. c. 149A.
- ix. If within three (3) months after approval of Construction Documents, in final form, the bids of the lowest responsible and eligible bidders exceed the Fixed Limit Construction Cost, the Designer shall, if so instructed in writing by the City of Waltham, provide such revised construction drawings and specifications and construction cost estimates as the City of Waltham shall require for the purpose of bringing the cost within the Fixed Limit Construction Cost; provided the Designer may in connection with such revision make reasonable adjustments in the scope of the project subject to the written approval of the Director, which approval shall not be unreasonably withheld. The Designer shall not be paid additional compensation for such services.

4.4 Construction Administration Phase Services.

- i. Consistent with the standard of care and practice stipulated in Section 3.3 above, upon the award of the Construction Contract the Designer and its Consultants shall, for the purposes of ensuring construction quality, cost control, schedule control, compliance with the City of Waltham's obligations under the Construction Contract, and protecting the City of Waltham and Public Entity against defects and deficiencies in the work of the Project under the Construction Contract documents:

- (a) be charged with general administration of the Construction Contract to the extent set forth herein;
- (b) furnish the general contractor with information for establishing lines and grades and such large-scale drawings and full-sized detailed drawings as are needed to implement the intent of the Construction Contract documents;
- (c) promptly and in accordance with the requirements of the Construction Contract check, obtain testing where necessary, and approve samples, schedules, shop drawings and other submissions by the general contractor;
- (d) prepare, maintain and update logs for all submittals and changes to the Construction Contract;
- (e) visit the site at intervals appropriate to the stage of construction but not less than weekly, and observe the progress of the work, issue written progress reports, and conduct job meetings, and prepare and distribute meeting minutes to assure that the work is technically correct and is being built in conformance with Approved construction documents;
- (f) report to the City of Waltham weekly in writing on the progress of the work including whether or not the general contractor is keeping as-built drawings updated;
- (g) on a weekly basis (or more often as may be necessarily), make specific recommendations on rejection of all Project work observed by the Designer that fails to conform to the Construction Contract documents, and review and inspect corrected work;
- (h) require each Consultant employed in accordance with Article 3 to make visits weekly during the progress of any work to which that Consultant's services relate and to report upon it in writing to the Designer;
- (i) conduct semi-final and final inspections of the Project and report the results of such inspections in writing to the City of Waltham;
- (j) observe the balancing of air and water circulation systems and report the results thereof;
- (k) observe the setting and adjustment of automatic controls and report thereon; (l) in a timely manner, decide all questions regarding interpretation of, or compliance with, the Construction Contract documents, except as the City of Waltham may in writing otherwise determine;
- (m) furnish electronic versions of the Record Drawings, a final cost report, and other required documents; and
- (n) assist the City of Waltham in any bid protest hearings, change order appeal hearings requested under M.G.L. c. 30, § 39Q, and any other litigation, except as provided in Article 6.
- (o) Except as otherwise specifically set forth in the Construction Contract documents, the Designer shall neither have control over or charge of, nor be responsible for, the construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the Work, since these are solely the Contractor's rights and responsibilities under the Construction Contract documents

- ii. The Designer shall submit to the City of Waltham in a timely manner all requisitions for payment submitted by the general contractor in the form required by the City of Waltham. With respect to each such requisition, the Designer shall certify to the best of its

knowledge that the percentage of work included in the requisition is accurate and that the work performed conforms to the Construction Contract documents. In the event the Designer does not approve the requisition exactly as submitted by the general contractor, the Designer shall forward it for payment to the City of Waltham dated and signed with corrections with an accompanying letter of explanation setting forth the Designer's objections and recommended changes. The Designer shall coordinate the required visits to the construction site so as to enable it to submit to the City of Waltham the general contractor's monthly requisition for payment bearing the Resident Engineer's approval or accompanied by the Resident Engineer's letter of exceptions. Timely payments to the contractor are required by M.G.L. c. 30, § 39K; therefore, the Designer shall establish procedures assuring either immediate mail or messenger delivery of the requisition for payment to the City of Waltham, and shall process requisitions for payment within two working days after receipt of the same.

- iii. Before examining the requisition for final payment submitted to the City of Waltham by the general contractor and making any certification in response thereto, the Designer shall obtain from the general contractor As-Built Drawings, including drawings showing the actual installation of the site utilities, plumbing, heating, ventilating and electrical work under the Construction Contract, and recording all changes. The Designer shall ascertain that changes authorized by change orders are shown on the general contractor's As-Built Drawings. The Designer shall revise the applicable original reproducible drawings and electronic media drawings on the basis of the As Built Drawings and shall submit them as Record Drawings along with two sets of prints to the City of Waltham; which Record Drawings shall become the property of the City of Waltham, all as part of its Basic Fee.
- iv. At the conclusion of the Construction Contract the Designer shall assist the City of Waltham's Authorized Representative or Owner's Representative in the evaluation of the performance of the general contractor as required by M.G.L. c. 149, § 44D or any other law.
- v. Two suitably bound legible copies of all original design and quantity calculations including those pertinent to change orders and shop drawings if applicable shall be furnished by the Designer to the City of Waltham at the conclusion of the Construction Contract.

ARTICLE 5: DESIGNER'S BASIC FEE

5.1 Basic Fee. For the performance of all services required in this contract and excluding those services specified under Articles 6 and 7, the Designer shall be paid a negotiated lump sum Fee.

5.2 Equitable Adjustments to Basic Fee. If there is a substantial change in the services provided in this Contract as determined by the City of Waltham, the Designer and the City of Waltham will agree to an equitable adjustment in the Designer's Basic Fee. For the purposes of this Contract, a "substantial change" in services shall include:

- i. a substantial change in the scope of Designer's services that is not the fault of the Designer; or

- ii. a significant increase in the duration of the Project as provided in the Study, or as otherwise agreed upon, that is not the fault of the Designer. Increase will be negotiated.

5.3 Manner of Payment. Payment of the Designer's Basic Fee shall be made in accordance with Article 8.

ARTICLE 6: OTHER SERVICES

6.1 Other Services. With the prior Approval of the City of Waltham, the Designer shall perform all or any of the following services in addition to the Basic Services:

- i. revise previously Approved drawings, specifications or other documents to accomplish changes authorized by the City of Waltham or required by changes in applicable Laws, and revisions not occasioned by the Designer's errors or omissions;
- ii. attend permit or public hearings and preparing presentation renderings and presentation models in connection therewith that are authorized by the City of Waltham;
- iii. prepare documents for alternate bids requested by the City of Waltham except or alternates required to be prepared by the Designer to adjust the Estimated Construction Cost to within the Fixed Limit Construction Cost;
- iv. assist the City of Waltham with the pre-qualification of bidders in accordance with M.G.L. c. 149, §§ 44E1/2 and 44D3/4 or M.G.L. c. 149A
- iv. to the extent not specified in the Scope of Services, provide prequalification services required in accordance with M.G.L. c. 149A for the Construction Manager At-Risk Delivery Method;
- v. provide consultation concerning replacement of any work damaged by fire or other cause during construction and furnishing professional services of the type set forth in Article 3 as may be required in connection with the replacement of such work;
- vi. provide professional services necessary to evaluate substitutions proposed by the general contractor and preparing subsequent revisions to drawings and other documents resulting there from or furnishing professional services made necessary by the default of the general contractor;
- vii. provide services after final payment to the general contractor, except for services occasioned by the Designer's errors or omissions;
- viii. prepare special documents for or appearing as a witness in change order appeal hearings under M.G.L. c. 30, s. 39Q or in judicial litigation arising out of the Construction Contract, except for litigation arising from the Designer's negligent acts or omissions;
- ix. prepare change orders and supporting data, except as set forth in Section 6.4;
- x. revise construction drawings and specifications submitted in their final and complete form for which bids were not received within six months after submission;

- xi. make studies other than those normally required and preparing applications and reports to assist the City of Waltham in obtaining federal aid;
- xii. additional site visits requested by the City of Waltham for which additional payment is provided in Section 6.2.
- xiii. Construction Administration for the duration of the project

Prior to performing any Additional Services the Designer shall agree with the City of Waltham upon the fee for such services in accordance with Section 6.3 of this Contract. No authorization by the City of Waltham for the performance of any Additional Services shall be valid unless it contains a "not to exceed" amount.

6.2 Additional Site Visits. Additional services shall also include additional site visits by the Designer or its Consultants at the request of the City of Waltham during the construction administration phase at no additional cost to the City..

6.3 Compensation for Other Services. The services provided pursuant to sections 6.1 and 6.2 of this Article are part of the basic services rendered by the Designer and no additional compensation will be made. The cost of other services, if any, shall be incorporated in the basic fee.

6.4 Change Orders and Modifications. The Designer shall be compensated in accordance with the rates negotiated PRIOR to the change order or modifications. Neither the Designer nor its consultants shall be compensated for any services involved in preparing changes that are required for additional work that should have been anticipated by the Designer in the preparation of the bid documents, or that were occasioned by the Designer's errors or omissions, as reasonably determined by the executive head of the City of Waltham. [M.G.L. c. 7, s. 38H(J)] The Designer shall not be compensated for any services involved in preparing changes required to make unit price adjustments due to existing conditions, nor for services involved in change orders for time extensions only. Changes for which the Designer receives no compensation under this Article shall be called "no fee modifications" or "no fee change orders." The fact that the Designer receives no fee shall not waive the City of Waltham's legal remedies regarding such changes.

ARTICLE 7: REIMBURSABLE COSTS AND EXPENSES

7.1 General. The Designer shall be reimbursed by the City of Waltham for:

- i. The actual cost to the Designer of special consultants Approved by the City of Waltham but not specified in Article 3 or in the Designer Selection Board's advertisement for the Project. No reimbursement for such expense shall be made unless the rates of compensation for said consultant services shall have been previously approved by the City of Waltham. The City of Waltham may approve a lump sum fee.
- ii. Permit filing fees and other actual costs for items not included in the Basic Fee, including special printing, but only when specifically authorized in writing in advance by the City of Waltham.
- iii. For document copies in excess of 6.

The City of Waltham shall not reimburse the Designer for any telephone or other out-of-pocket expenses unless specifically authorized in advance as provided above.

- 7.2. Travel.** The City of Waltham shall not reimburse the Designer for travel expenses under this Contract, provided, however, that in special circumstances and with prior written Approval of the City of Waltham, the Designer may be reimbursed for out-of-state travel expenses consistent with applicable statutes, rules, and regulations.

ARTICLE 8: PAYMENTS TO THE DESIGNER

- 8.1 Change Orders.** Unless otherwise Approved by the City of Waltham, payments to the Designer for a modification or a change order shall be made when the modification or change order has been Approved by the City of Waltham and the Designer's services with respect to the same, other than construction administration services, have been completed.

- 8.2 Schedule for Payment of Basic Fee.** The lump sum fee under Article 5 above shall be paid in accordance with the Approved work plan schedule of values prepared in accordance with Section 4.1, for performance of all services specified in Articles 3 and 4. The Schedule of Values shall be consistent with the following schedule so that the total installments of the Basic Fee in each phase of the schedule equals the percentage of the Basic Fee allocated to each such phase of the schedule below. Actual payments can be requisitioned by the Designer upon completion of deliverables within each phase as set for in the Approved work plan schedule of values:

- i. Fifteen percent (15%) for the schematics design phase services;
- ii. Twenty-five percent (25%) for the design development phase services;
- iii. Thirty percent (30%) for the construction documents phase services;
- iv. Thirty percent (30%) for the construction administration phase services.

The Designer shall submit requisitions on a monthly basis for any deliverables completed within that month. City of Waltham shall not be obliged to pay any claims received more than forty-five days after notification to the Designer of final acceptance of the contractor's work under the Construction Contract.

- 8.3 Applications for Payment.** All invoices except for those made under the provisions of Section 8.1 above may be submitted monthly and will be promptly processed by the City of Waltham if they are in conformity with this Contract and properly documented; if not they will be returned to the Designer. No invoice (other than an invoice for the final payment to Designer under this Contract) shall be required to be so submitted or processed when the net amount due is less than \$200. Amounts of less than \$200 shall be added to the subsequent month's invoice. All invoices from the Designer shall be submitted to the City of Waltham accompanied by a completed City of Waltham of Massachusetts Payment Voucher Input Form PV if this is a City of Waltham project, otherwise accompanied by such forms as the City of Waltham may require.

- 8.4 Right of Offset.** If the City of Waltham finds that services previously paid for by the City of Waltham contained deficiencies, errors or omissions then the City of Waltham may withhold from

any future payment an amount reasonably calculated by the City of Waltham to cover the cost of correcting the deficiency, error or omission until the services have been corrected. The City of Waltham may also offset against any payment due to the Designer the amount of any costs incurred by the City of Waltham arising from the Designer's failure to provide required services, deficiencies, errors or omissions. If the City of Waltham shall discover that the charge for any previously paid-for services was calculated based upon incorrect salary rates or other incorrect information, the City of Waltham may offset any overcharges against any future payment. Any disputes related to offsets taken by the City of Waltham shall be subject to resolution pursuant to Section 3.19 of this Contract. Nothing in this paragraph shall limit any legal remedies of the City of Waltham against the Designer for default, errors, omissions, erroneous claims, false claims, tort claims, or any breach by the Designer of the terms of this Contract or applicable Laws.

ARTICLE 9: TERMINATION

- 9.1 City of Waltham's Right to Terminate.** By written notice to the Designer, the City of Waltham may terminate this Contract, in whole or in part, at any time for either the City of Waltham's convenience or for the failure of the Designer to fulfill its obligations under this Contract.
- 9.2 Termination by City of Waltham for Convenience.** If any such termination shall occur without the fault of the Designer, all compensation and reimbursable expenses due to the Designer up to the date of termination, in accordance with all Contract terms, including proportionate payment for partially completed work, shall be paid to the Designer by the City of Waltham. The payments to the Designer shall not exceed the fair value of the Designer's work, as the City of Waltham shall determine. No amount shall be allowed for anticipated profit on unperformed services.
- 9.3 Termination by City of Waltham for Cause.** If this Contract is terminated due to the failure of the Designer to fulfill the Designer's obligations under this Contract, the City of Waltham may assume the design work and replace it and/or prosecute the same to completion by contract or otherwise. In such case, the Designer shall be liable to the City of Waltham for any additional cost incurred by the City of Waltham thereby. These rights and remedies of the City of Waltham are in addition to any rights and remedies provided by law or under this Contract.
- 9.4 Termination by Designer.** By written notice to the City of Waltham, the Designer may terminate this Contract (i) if the City of Waltham, within sixty (60) days following written notice to the City of Waltham from the Designer of any default by the City of Waltham hereunder, shall have failed to remove such default, or (ii) if, after the Designer shall have performed all services required of the Designer in the schematic design phase, the design development phase, or the construction documents phase of the Project as described in this Contract, at least six months shall have elapsed without receipt by the Designer of a Notice to Proceed with the next phase of the Designer's services. Upon any such termination by the Designer all compensation and reimbursement payable to the Designer in accordance with this Contract up to and including the date of termination shall be paid to the Designer by the City of Waltham. The payments to the Designer shall not exceed the fair value of the Designer's work, as the City of Waltham shall determine. No amount shall be allowed for anticipated profit on unperformed services.
- 9.5 Designer's Duties upon Termination.** Upon any termination of this Contract the Designer shall deliver to the City of Waltham all data, drawings, specifications, reports, estimates, summaries, and such other information and materials, whether completed or in process, as may have been accumulated by the Designer in performing this Contract.

ARTICLE 10: RECORDS, DISCLOSURE STATEMENTS, ACCOUNTING CONTROLS, AUDITS

- 10.1 Records to be Kept for Six Years.** The Designer shall make, and keep for at least six (6) years after final payment, books, records, and accounts which in reasonable detail accurately and fairly reflect the transactions and dispositions of the Designer. [M.G.L. c. 30, §39R(b)(1)-(2)]
- 10.2 Records Open to Inspection.** Until the expiration of six (6) years after final payment, the Governor or his designee, the Secretary of Administration and Finance, the State Auditor, the Office of the Inspector General, the Commissioner of DCAM, the City of Waltham and any other public official authorized by law, shall have the right to examine any books, documents, papers or records of the Designer or of its Consultants and subcontractors that directly pertain to, and involve transactions relating to, the Designer or its Consultants and subcontractors. [M.G.L. c. 30, §39R(b)(1)-(2); Executive Order 195]
- 10.3 Changes in Method of Accounting.** If this Contract is a contract for an amount exceeding \$10,000 or is a contract for the design of a Project with an Estimated Construction Cost exceeding \$100,000, and if the Designer shall make any change in its method of maintaining records that would materially affect any statements filed by the Designer with the City of Waltham, the Designer shall forthwith deliver to the City of Waltham a written description of such change, the effective date thereof, and the reasons therefore. The Designer shall submit with such description a letter from the Designer's independent certified public accountant approving or otherwise commenting on the change. [M.G.L. c. 30, §39R(b)(3)] The Designer hereby represents that there have been no such changes to date that have not been so reported to the City of Waltham.
- 10.4 Warranty by Designer.** If this Contract is for an amount exceeding \$10,000 or is for the design of a Project with an Estimated Construction Cost exceeding \$100,000, the Designer warrants and represents that Designer has filed a statement of management on internal accounting controls as set forth in section 10.5 below prior to the execution hereof. [M.G.L. c. 7, §38H(e)(iv)]
- 10.5 Filing of Statement of Management on Internal Accounting Controls.** If this is a Contract for an amount exceeding \$10,000 or is for the design of a Project with an Estimated Construction Cost exceeding \$100,000, the Designer maybe requested to file with the City of Waltham a statement of management as to whether the system of internal accounting controls of the Designer and its subsidiaries reasonably assures that: (1) transactions are executed in accordance with management's general and specific authorization; (2) transactions are recorded as necessary i) to permit preparation of financial statements in conformity with generally accepted accounting principles, and ii) to maintain accountability for assets; (3) access to assets is permitted only in accordance with management's general or specific authorization; and (4) the recorded accountability for assets is compared with the existing assets at reasonable intervals and appropriate action was taken with respect to any difference. The Designer may also be requested to file with the City of Waltham a statement prepared and signed by an independent certified public accountant, stating that the accountant has examined the statement of management on internal accounting controls, and expressing an opinion as to (1) whether the representations of management in response to this section and sections 1 and 2 above are consistent with the result of management's evaluation of the system of internal accounting controls; and (2) whether such representations of management are, in addition, reasonable with respect to transactions and

assets in amounts which would be material when measured in relation to the applicant's financial statements. [M.G.L. c. 7, §38H(e)(iv); M.G.L. c. 30, §39R(c)]

- 10.6 Representation Regarding Audited Financial Statement.** If this is a contract for an amount exceeding \$10,000 or is for the design of a Project having an Estimated Construction Cost exceeding \$100,000, the Designer represents that it has filed prior to the execution hereof and will continue to file annually, an audited financial statement for the most recent completed fiscal year as set forth in section 7 below. [M.G.L. c. 7, §38H(e)(iv) M.G.L. c. 30, §39R(d)]
- 10.7 Filing of Annual Statement Required.** The Designer shall annually file with the Commissioner of DCAM during the term of this Contract a financial statement prepared by an independent certified public accountant on the basis of an audit by such accountant. The final statement filed shall include the date of final payment. All statements shall be accompanied by an accountant's report. Such statements shall be made available to the City of Waltham upon request. [M.G.L. c. 7, §38H(e)(iv); M.G.L. c. 30, §39R(d)]
- 10.8 Records Not Public.** Records and statements required to be made, kept or filed under the provisions of this Article shall not be public records as defined in M.G.L. c. 4, s. 7 and shall not be open to public inspection; provided, however, that such records and statements shall be made available pursuant to the provisions of section 10.2 above.

ARTICLE 11: RELEASE AND DISCHARGE

The acceptance by the Designer of the last payment for services paid under the provisions of either Article 8 or Article 9 in the event of termination of this Contract, shall in each instance operate as a release of the Public Entity, the City of Waltham, and every employee and agent thereof, from all claims of the Designer arising from this Contract, and from liability for any act or omission relating to or affecting the Designer's services hereunder, except for those written claims submitted by the Designer to the City of Waltham with the last payment requisition; and except that such acceptance shall not operate as a release of claims not known to designer, which designer could not reasonably have known about at the time of such acceptance.

ARTICLE 12: INSURANCE

- 12.1 General Requirements [M.G.L. c.7, §38H(f)].** The Designer shall purchase and maintain insurance of the type and limits listed in this Article with respect to the services to be performed under this Contract. This insurance shall be provided at the Designer's expense and shall be in force and effect for the full term of the Contract or for such longer period as this Article requires.

All policies shall be issued by companies lawfully authorized to write that type of insurance under the Laws of the City of Waltham with a financial strength rating of "A-" or better as assigned by A.M. Best Company, or an equivalent rating assigned by a similar rating agency acceptable to the City of Waltham, or otherwise acceptable to the City of Waltham.

The Designer shall submit three originals of each certificate of insurance acceptable to the City of Waltham simultaneously with the execution of this Contract. The certificate of Insurance shall have written in the description of Services box, through a policy endorsement, the following language: **“The City of Waltham is a named additional insured for General Liability”**. Certificates shall show each type of insurance, insurance company, policy number, amount of insurance, deductibles/self-insured retentions, and policy effective and expiration dates. The Designer shall submit updated certificates prior to the expiration of any of the policies referenced in the certificates so that the City of Waltham shall at all times possess certificates indicating current coverage. Failure by the Designer to obtain all policy renewals and to provide the respective insurance certificates as required shall constitute just cause for termination of Designer’s services under this Contract.

Termination, cancellation, or material modification of any insurance required by this Contract, whether by the insurer or the insured, shall not be valid unless written notice thereof is given to the City of Waltham at least thirty days prior to the effective date thereof, which shall be expressed in said notice.

The Designer is responsible for the payment of any and all deductibles under all of the insurance required below. The City of Waltham shall not be responsible for the payment of deductibles, self-insured retentions or any portion thereof.

12.2 Workers’ Compensation, Commercial General Liability, Automobile Liability, and Valuable Papers

The Designer shall purchase and maintain at its own expense during the life of this Contract the following insurance:

- i. Workers’ Compensation Insurance in accordance with M.G.L. chapter 152.
- ii. Commercial General Liability Insurance, with a minimum limits of \$1,000,000 each occurrence. The Public Entity and the City of Waltham shall each be listed as an additional insured.
- iii. Automobile Liability Insurance at a limit of not less than \$1,000,000 each accident.
- iv. Valuable Papers insurance in an amount sufficient to assure the restoration of any plans, drawings, computations, field notes, or other similar data relating to the work covered by this Contract in the event of loss or destruction while in the custody of the Designer until the final fee payment is made or all data is turned over to the City of Waltham, and this coverage shall include coverage for relevant electronic media including, but not limited to, documents stored in computer aided design drafting (CADD) systems.

12.3 Professional Liability. The Designer shall maintain professional liability insurance covering errors and omissions and negligent acts of the Designer, and of any person or entity for whose performance the Designer is legally liable. Unless an alternate amount is otherwise specified in the documents incorporated by reference into Section 3.1 of this Contract, the minimum amount of such insurance shall equal the lesser of \$5,000,000 or 10% of the Project’s Fixed Limit Construction Cost but in no event less than \$250,000 per claim. Unless the Designer is specifically required to provide project specific insurance in the documents incorporated by reference into Section 3.1, the policy may be in a “claims made” format. If the policy is a "claims made" policy, it shall include a retroactive date that is no later than the effective date of this Contract, and an

extended reporting period of at least six years after the earlier of: (1) the date of official acceptance of the completed Project by the City of Waltham; (2) the date of the opening of the Project to public use; (3) the date of the acceptance by the general contractor of a final pay estimate prepared by the City of Waltham pursuant to M.G.L. chapter 30; or (4) the date of substantial completion of the Construction Contract and the taking of possession of the Project for occupancy by the City of Waltham which requirement can be met by providing renewal certificates of professional liability insurance to the City of Waltham as evidence that this coverage is being maintained.

- 12.4 Liability of Designer.** Insufficient insurance shall not release the Designer from any liability for breach of its obligations under this Contract. Without limitation, the Designer shall bear the risk of any loss if its valuable papers insurance coverage is insufficient to cover the loss of any work covered by this Contract.

ARTICLE 13: INDEMNIFICATION

The Designer shall indemnify and hold harmless the Public Entity, the City of Waltham and all of their agents and employees from and against all claims, damages, losses and expenses, including but not limited to court costs, reasonable attorneys' fees, interest and costs arising out of or resulting from the wrongful and/or negligent acts or omissions of the Designer in performance of the services covered by this Contract and/or of failure to comply with the terms and conditions of this Contract, whether by Designer or its employees, Consultants or subcontractors, provided that the City of Waltham shall notify the Designer of such suits and claims within a reasonable time after the City of Waltham becomes aware of them. The Designer shall be afforded an opportunity to participate in the defense and/or settlement of all such suits and claims. The Designer shall not be bound by the amount of damages suffered in any litigation or settlement unless the Designer is given the opportunity to participate in negotiations for settlement and/or defense of such litigation or claim.

ARTICLE 14: MISCELLANEOUS LEGAL REQUIREMENTS

- 14.1. Non-Resident Processing; Signatures.** Every Designer that is a nonresident of the City of Waltham of Massachusetts, or a nonresident partner of a Designer, hereby appoints the Secretary of the City of Waltham of Massachusetts to be his true and lawful attorney in and for Massachusetts, upon whom all lawful processes in any action or proceeding arising out of this Contract may be served. When legal process against any such person is served upon the Secretary of State, a copy of such process shall forthwith be sent by registered mail with a return receipt requested by the City of Waltham or its lawful attorney to said Designer or partner at the address set forth in this Contract. Said Designer or said partner hereby stipulates and agrees that any lawful process against it which is served on said attorney shall be of the same legal force and validity as if served on said Designer or said partner. Such authority shall continue in force so long as any liability remains outstanding against said Designer or said partner.
- 14.2. Anti-Boycott Covenant [Executive Order #130].** The Designer warrants, represents and agrees that during the time this Contract is in effect, neither it nor any affiliated company, as hereafter defined, will participate in or cooperate with an international boycott, as defined in section 999 (b) (3) and (4) of the Internal Revenue Code of 1954, as amended, or engage in conduct declared to be unlawful by General Laws Chapter 151E, §§2 and 3. If there shall be a breach in the warranty, representation and Contract contained in this section, then without limiting such other rights as it may have the City of Waltham shall be entitled to rescind this Contract. As used herein,

an affiliated company shall be any business entity of which at least 51% of the ownership interests are directly or indirectly owned by the contractor or by a person or persons or business entity or entities directly or indirectly owning at least 51% of the ownership interests of the contractor, or which directly or indirectly owns at least 51% of the ownership interests of the contractor.

- 14.3 Truth-In-Negotiations Certificate [M.G.L. Chapter 7, Sec. 38H].** To the extent that the Designer's fee has been negotiated, the Designer certifies that it has filed a truth-in negotiations certificate in accordance with M.G.L. c. 7, s. 38H (b) prior to being awarded this Contract. Said certificate is attached hereto as Attachment incorporated herein by reference.

ARTICLE 15: NON-DISCRIMINATION IN EMPLOYMENT AND AFFIRMATIVE ACTION

- 15.1 Compliance.** The Designer shall comply with all Laws promoting fair employment practices or prohibiting employment discrimination and unfair labor practices and 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 or for exercising any right afforded by Law. The Designer shall comply with all applicable Laws prohibiting discrimination in employment including but not limited to: Title VII of the Civil rights Act of 1964; the Age Discrimination in Employment Act of 1967; Section 504 of the Rehabilitation Act of 1973; M.G.L. c. 151B, s. 4(1); and all relevant administrative orders and executive orders, including Executive Order 227 and Executive Order 246. If a complaint or claim alleging violation of such statutes, rules or regulations is presented to the Massachusetts Commission Against Discrimination (MCAD), the Designer and its agents agree to cooperate fully with MCAD in the investigation and disposition of such complaint or claim. In the event of the Designer's noncompliance with the provisions of this section, the City of Waltham shall impose such sanctions as it deems appropriate, including, but not limited to, withholding of payments due the Designer under this Contract until the Designer complies, and termination or suspension of this Contract.

- 15.2 Material Breach.** Any breach of this Article shall be regarded as a material breach and shall be subject to all other sections of this Contract. The City of Waltham shall have access to all records which are necessary to document compliance with this Article.

ARTICLE 16: CHOICE OF LAW

This Contract shall be construed under and governed by the laws of the City of Waltham of Massachusetts. The Designer, and the agents thereof, agree to bring any federal or state legal proceedings arising under this Contract, in which either the City of Waltham or the City of Waltham is a party, in a court of competent jurisdiction within the City of Waltham of Massachusetts. This section shall not be construed to limit any rights a party may have to intervene in any action, in any court or wherever, pending, in which the other is a party.

ARTICLE 17: AMENDMENTS, SEVERABILITY, and WAIVERS

No amendment to this Contract shall be effective unless it is in writing and is executed by authorized representatives of both parties. If any provision of this Contract is declared or found illegal, unenforceable, or void, then both parties shall be relieved of all obligations under that provision. The remainder of the Contract shall be enforced to the fullest extent permitted by law. The City of

Waltham reserves the right to waive any provision or requirement of this Contract if the City of Waltham determines that such waiver is justified and in the public interest. No such waiver shall be effective unless in writing and signed by the Authorized Representative of the City of Waltham. No other action or inaction by the City of Waltham shall be construed as a waiver of any provision of this Article.

ARTICLE 18: NON-APPROPRIATION

The City of Waltham certifies that at the time of the execution of this Contract, sufficient appropriations exist and shall be encumbered to fund the Contract Price. Payments are subject to appropriation and shall be made only for work performed in accordance with the terms of this Contract. The Designer shall not be obligated to perform, and may not perform, services outside the duration and scope of this Contract without an appropriate amendment to this Contract, and a sufficient appropriation(s) to support such additional services. The City of Waltham may immediately terminate or suspend this Contract in the event that the appropriation(s) funding this Contract is eliminated or reduced to an amount which will be insufficient to support anticipated future obligations under this Contract.

ARTICLE 19: NOTICES, APPROVALS, and INVOICES

Notices to the Designer shall be deemed given when hand-delivered to the Designer at the Project site, or when deposited in the U.S. mail addressed to the Designer at the Designer’s address specified in this Contract, when delivered by courier to said address, or when delivered via e-mail or facsimile transmission. Unless otherwise specified in writing by the City of Waltham, notices and deliveries to the City of Waltham shall be effective only when delivered to the City of Waltham at the address specified in this Contract and date-stamped at the reception desk or for which a receipt has been signed by the agent or employee designated by the City of Waltham to receive official notices.

ARTICLE 20: CERTIFICATIONS OF DESIGNER MADE UNDER PAINS AND PENALTIES OF PERJURY

No changes shall be made in the matters represented in this Article at any time during the life of this Contract without written notification to the City of Waltham and when required, receipt of written Approval from the City of Waltham. (Attach additional sheets if necessary for each section.)

20.1 Designer's Beneficial Owners. By signing this Contract, the Designer certifies under the penalties of perjury that the following named entities and individuals are the legal and beneficial owners of the Designer as of the date of the execution hereof [M.G.L. c. 7, §38E(a)](attach additional sheets if necessary):

CORPORATION: (Names of Officers and Shareholders of Corporation, including their titles,

Federal ID Number: _____

PARTNERSHIP: (Names of all Partners):

Federal ID Number: _____

INDIVIDUAL (Name of Owner):

20.2 Persons Having an Interest in this Contract. M.G.L. c. 7A, §6 provides as follows: *"No contract to provide consultant services shall be awarded by the City of Waltham, or by any department, board, commission, or other agency acting in its behalf, unless the person signing such contract on behalf of the party contracting to provide such services files with the Comptroller a statement under the penalties of perjury setting forth the names and addresses of all persons having a financial interest therein, not including, however, any person whose only financial interest therein consists of the holding of one percent or less of the capital stock of a corporation contracting to provide such services."*

NOTE: Individuals who sign this Contract in their individual capacity must also complete the certification below as well as sign this Contract. For the purpose of this directive, the term "person having a financial interest" will generally refer to any person who, in some direct manner, will benefit financially from a given contractual relationship with the City of Waltham. However, this may not, in every case, preclude the possibility of an existing financial interest within the meaning of the statute where a financial benefit is to be realized in some indirect manner. Where doubts arise in a specific case, it is advisable that names and addresses be included.

By signing this Contract, the individual executing this Contract on behalf of the Designer hereby certifies under the penalties of perjury that the following sets forth the names and addresses of all persons having a financial interest in this Contract, not including any person whose only financial interest herein consists of the holding of one percent or less of the capital stock of Designer if Designer is a corporation, in addition to the persons listed in section 21.1 above:

Name

Address

20.3 Professional Registrations. By signing this Contract, the individual executing this Contract on behalf of the Designer certifies under the penalties of perjury that the following named individuals are registered by the City of Waltham as architects, landscape architects, or engineers pursuant to the provisions of General Laws Chapter 112, §§ 60A - 60O and further that i) if the Designer is an individual the Designer is the individual named below, ii) if the Designer is a partnership, the majority of all the partners are persons who are registered architects, landscape architects, or engineers, iii) if the Designer is a corporation, sole proprietorship or joint stock company or other

entity, the majority of the directors or a majority of the stock ownership and the chief executive officer, are persons who are registered architects, landscape architects, or engineers and the person to have the Project in his or her charge is registered in the discipline required for the Project, or iv) if the Designer is a joint venture, each joint venturer satisfies the requirements of the preceding clauses i – iii as the case may be [M.G.L. c. 7, §38E(a)(i)].

<u>Name</u>	<u>Title</u>	<u>Mass. Registration</u>

[NOTE: The above information must be completed to comply with the provisions of General Laws Chapter 7, §38A 1/2. Programmers and construction managers are not required to be registered under §38A 1/2.]. Designer warrants that the Massachusetts registered principal of the Designer responsible for the project is:

Name

20.4 Resume on File with Designer Selection Board. By signing this Contract, the Designer certifies under the penalties of perjury that in accordance with the provisions of General Laws Chapter 29, section 29A (4) a resume of the Designer has been filed with the Designer Selection Board.

20.5 No Inducements. By signing this Contract, the Designer certifies under the penalties of perjury that the Designer has not given, offered or agreed to give any person, corporation, or other entity any gift, contribution or offer of employment as an inducement for, or in connection with, the award of the Contract for design services; no consultant to or subcontractor for the Designer has given, offered or agreed to give any gift, contribution or offer of employment to the Designer, or to any other person, corporation, or entity as an inducement for, or in connection with, the award to the consultant or subcontractor of a contract by the Designer; and no person, corporation or other entity, other than a bona fide full-time employee of the Designer has been retained or hired by the Designer to solicit for or in any way assist the Designer in obtaining the Contract for design services upon an Contract or understanding that such person, corporation or other entity be paid a fee or other consideration contingent upon the award of the Contract to the Designer. [M.G.L. c. 7, §. 38H(e)(i)-(iii)]

20.6 Tax Returns. By signing this Contract, the Designer certifies under the penalties of perjury that pursuant to General Laws Chapter 62C §49A, the Designer has filed all state tax returns, paid all taxes and complied with all Laws of the City of Waltham relating to taxes; and that pursuant to

General Laws Chapter 151A, § 19A, the Designer has complied with all Laws of the City of Waltham relating to contributions and payments in lieu of contributions to the Employment Security System.

20.7 Existing Government Contracts. By signing this Contract, the Designer certifies under the penalties of perjury that the following is a listing of all other existing contracts or income derived by Designer from the City of Waltham or any political subdivision thereof or public authority therein, from the Federal Government or any agency thereof, and from the City of Waltham or any governmental source for services rendered. [M.G.L. c. 7, § 38E(a)(v)]:

CONTRACT DESCRIPTION	PRESENT STATUS %	FEE	TOTAL FEE

20.8 Annual Reports; Corporate Filings. By signing this Contract, the Designer certifies under the penalties of perjury that, if the Designer is a corporation, the Corporation has filed with the State of Secretary all certificates and annual reports required by Chapter 156B, §109 (Business Corporation), by Chapter 181, §4 (Foreign Corporation), or by Chapter 180, §26A (Non-Profit Corporation) of the Massachusetts General Laws.

20.9 Dependent Care Assistance Program. By signing this Contract, the Designer certifies under the penalties of perjury that, at the time of execution, Designer is in compliance with the provisions of section 7 of Chapter 521 of the Acts of 1990 as amended by Chapter 329 of the Acts of 1991, and 102 CMR 12.00 and the Contractor is either a "qualified employer" because it has fifty (50) or more full time employees and has established a dependent care assistance program, child care tuition assistance, or on-site or near-site child care placements, or is an "exempt employer."

20.10 Debarment; Suspension. By signing this Contract, the Designer certifies under the penalties of perjury that the Designer is not currently debarred or suspended by the City of Waltham of Massachusetts, or any if its entities or subdivisions under any City of Waltham law or regulation, including but not limited to M.G.L. c. 29, § 29F and M.G.L. c. 152, § 25C and that it is not currently debarred or suspended by the Federal Government under any federal law or regulation

SIGNATURES

IN WITNESS WHEREOF, the parties hereto have executed this Contract as of the date of its execution by the City of Waltham of Massachusetts below, first written above and the individual executing this Contract on behalf of the Designer makes the representations and certifications set forth in this Design Contract under the pains and penalties of perjury.

DESIGNER: _____

By: _____, Date: _____

Its:
Hereunto duly authorized

CITY OF WALTHAM:

By: _____ Date: _____

Its: Mayor, Jeannette McCarthy
Hereunto duly authorized

By: _____ Date: _____

Its: Chief Procurement Officer, Joseph Pedulla
Hereunto duly authorized

By: _____ Date: _____

Its: Parks & Recreation Director, Sandra Tomasello
Hereunto duly authorized

By: _____ Date: _____

Its: Acting Building Director Patrick Powell,
Hereunto duly authorized

By: _____ Date: _____

Its: Auditor, Paul Centofanti
Hereunto duly authorized

As To Form Only

By: _____ Date: _____

Its: City Solicitor, John Cervone

ATTACHMENT A SCOPE OF SERVICES

GENERAL INTRODUCTION

The City is seeking a designer for the preparation of technical specifications as well as Construction Administration for the replacement of the Waltham Community Center building roof.

EXISTING CONDITIONS

The Waltham Community Center is located in a former school building that was constructed in two phases. The first phase was constructed with masonry walls and a structural clay tile and concrete floor and roof. The second phase, which is fire separated from the first phase with a fire wall, is constructed of steel framing and bar joists, metal deck and concrete floor and roof. Both sections of the building are in good condition and are well maintained. The building is currently in use by a diverse mix of Waltham groups and organizations

The original portion of the building has an existing steam boiler that has been recently changed to be gas fired. This system provides steam heat to unit ventilators that serve the classrooms and administrative spaces. The existing ventilating system serving the auditorium appears to be not in use. For the newer portion of the building serving the cafetorium, gymnasium and classrooms on the second floor a gas fired boiler provides hot water to through wall unit ventilators that are located in the rooms or in the ceiling spaces.

Electrical service to the building was upgraded during the building addition phase and appears to provide enough overall power for the building and the proposed air conditioning demand. It would be necessary to reconfigure the panels for more efficient power distribution.

The **total roof area of the building is 35,770 SF**. The majority of the roof area (over the **second level**) is an existing tar and gravel **roof (29,480 SF)**. A portion of the roof over the gymnasium and the former cafetorium is a rubber membrane roof that appears newer than upper level roof and is in good condition. This portion of the **roof is 6288 SF**. General pictures of the roof are included in the Appendices.

PROPOSED PROGRAM

The City would like construction specifications for the roof replacement and cost estimates for re-roofing the entire building.

CODES AND STANDARDS

A code review of the whole building is appended to this study.

The re-roofing work the code will require that if the existing roofing and insulation is stripped off (recommended) the new roof must be insulated according to the current energy code requirements. If the existing drains are to be replaced it is likely that current Codes will require that a roof overflow system of drainage be installed.

EXISTING ROOFING CONDITIONS

The upper portion of the existing roofing is a tar and gravel installation that has been in place for a significant time. There are locations where it has been patched. Generally it is well drained although there are locations of standing water that are not near existing drain structures. The existing roof flashing is copper both at the perimeter and at roof structures where it is counter flashed to copper coverings on the roof structures. At the newer addition the flashing appears to be lead coated copper.

An analysis of the layering of the insulation and tar and gravel was not done at this time for the building and it is recommended that roof cuts be taken before the final design for the roof replacement is done. This study did not

test for hazardous materials. It is recommended that both the roof cuts and the roofing mastic be tested to understand if hazardous materials are present and to be able to predict the cost of their removal.

From the existing drawings of the addition portion of the building we see that two inches of rigid insulation was specified. It is not clear how much insulation was installed at the original building but it is unlikely to have been more than two inches.

At the original building several skylights and large air venting structures exist. Multiple mushroom type exhaust fans are situated on both the original building and the new addition. There are no roof top mounted mechanical units at this area.

The upper roof is accessed by a ladder and roof hatch from the second level of the building.

A lower roof area exists between the newer and older portions of the building over the gymnasium and the former cafetorium area. This portion of the roof is roofed with a rubber EDPM roofing material. As the existing drawings show this to be a built-up tar and gravel roof over two inches of insulation we guess that this area of roofing appears more recently applied than the original tar and gravel roof above and is in good condition. It did not appear to need replacing at this time.

This lower roof has several ventilation structures that appear to be related to the H & V systems for the gymnasium and former cafetorium.

ALTERNATIVE RE-ROOFING SOLUTIONS

ALTERNATIVE A - Replace the Upper Roofing only with New Insulation and New Membrane Roofing

It is recommended that the entire upper tar and gravel roofing and insulation down to the bare roof deck including the flashing up to the existing counter flashing at walls and structure. It is not proposed to remove the sheet copper siding and counter flashing at the existing structures. A new 80 mil PVC sheet roofing adhesively attached over two layers of two inch thick mechanically attached 25 psi isocyanurate insulation is proposed. On the newer building roof which consists of metal deck a 5/8" layer of fire rated exterior gypsum board should be added to protect the foam from melting under fire conditions. The new PVC membrane should be terminated under the existing counter flashing where it remains. At the roof edge new metal roof edge flashing and continuous wood blocking will be supplied at the new height required by the insulation increase.

Because the new membrane roofing will require a new type roof drain with a clamping ring all of the existing roof drains are recommended to be replaced. By code this replacement will require the addition of a supplementary emergency drain system which may be accomplished by adding a supplementary drain or by providing a drain that has the supplementary system built in to the replacement drain. This drain system will be required to daylight the water at a location approximately 3 feet above the existing grade.

As an alternate to the PVC membrane material an EDPM roofing membrane may be used. Again we would recommend the 75 mil membrane. It would be adhered to the mechanically attached two layers of insulation similar to the PVC option above.

Both roofing systems would have a 20 year systems warrantee.

ALTERNATIVE B - Replace the Upper and Lower Roofing with New Insulation and New Membrane Roofing

In addition to the roofing replacement in Alternative A above the lower roof roofing material would also be replaced. The area of this roof is 6290 SF. There are several reasons that this course of action might make sense:

- a. The existing membrane is older than it looks and has experienced problems.
- b. The City would like to get the entire roof on the same replacement schedule.
- c. The City wants to increase the thickness of the insulation on this roof.
- d. The new HVAC proposed for this roof might make it advisable to have new roofing on this roof.
- e. There is bituminous roofing below this membrane roof that was not removed previously.

PREFERED RE-ROOFING SOLUTION

The recommendation is that the upper roofing be removed and replaced. The replacement with a PVC membrane roof is advised because the membrane is heat welded and does not rely on a glued joint that is more difficult to control and can deteriorate over time. The requirement to provide an emergency overflow drain system is anticipated based on the need to change out the drains and has been required in other projects.

The project will be bid with the roofing contractor as General Contractor with the plumbing work subcontracted to him as a filed sub bidder.

IMPLEMENTATION RE-ROOFING SCHEDULE

The City expects the design delivery within two weeks from the date of the Notice-to-Proceed. Bidding for the roofing project could take 6 weeks with the plumbing portion of the work bid as a filed sub-bid. We would expect the roofing work to take 4 to 6 weeks.

ATTACHMENT B

CITY OF WALTHAM'S DESIGN PROCEDURES

Indicate any other procedures or standards applicable to this Contract: DCAM

ATTACHMENT C

DESIGNER'S PERSONNEL ASSIGNED TO THE PROJECT

(Provide Name, Title and Project Role for Each Individual Listed)

ATTACHMENT D
CERTIFIED AVERAGE HOURLY RATES OF
DESIGNER'S AND DESIGNER'S CONSULTANTS' PERSONNEL

(Use additional sheets if necessary. Note: Do not list any support staff.)

Design Firm Principal:

Design Firm Associate:

Design Firm Project Manager:

Design Firm Project Architect:

Design Firm CAD Operator:

[The following categories are to be completed for each Consultant.]

Name of Consultant Firm:

Consultant Principal:

Consultant Associate:

Consultant Project Manager:

Consultant Project Engineer:

Consultant CAD Operator:

Name of Consultant Firm:

Consultant Principal:

Consultant Associate:

Consultant Project Manager:

Consultant Project Engineer:

Consultant CAD Operator:

Name of Consultant Firm:

Consultant Principal:

Consultant Associate:

Consultant Project Manager:

Consultant Project Engineer:

Consultant CAD Operator:

Name of Consultant Firm:

Consultant Principal:

Consultant Associate:

Consultant Project Manager:

Consultant Project Engineer:

Consultant CAD Operator:

Name of Consultant Firm:

Consultant Principal:

Consultant Associate:

Consultant Project Manager:

Consultant Project Engineer:

ATTACHMENT E

Intentionally Left Blank

ATTACHMENT F

DESIGNER'S TRUTH-IN-NEGOTIATIONS CERTIFICATE

The Designer for design services for:

_____, hereby certifies
and agrees to the following:

- a) The Designer certifies that the wage rates and other costs used to support the Designer's compensation are accurate, complete, and current at the time of contracting; and
- b) The Designer agrees that the original contract price and any additions to the contract may be adjusted within six years of completion of the contract to exclude any significant amounts if the City of Waltham determines that the fee was increased by such amounts due to inaccurate, incomplete, or noncurrent wage rates or other costs.

Designer Firm:

By: _____

Duly authorized

Print Name _____

Date: _____

ATTACHMENT G

ATTACH YOUR COMPANY'S AFFIRMATIVE ACTION PLAN

ATTACHMENT H
COMPLIANCE FORMS

CORPORATE VOTE OR OTHER EVIDENCE OF AUTHORITY

_____ 20 ____

I hereby certify that I am the ____ clerk, _____, assistant clerk, ____ managing partner of

_____ (the "Corporation") and that at a

(Name of Corporation/Partnership)

duly authorized meeting of the Board of Directors of the Corporation/Partners held on

_____ in _____ at which a quorum was

(Date)

(Location)

present and voting it was voted to authorize _____

(Name)

_____ of the Corporation/Partnership to _____ (Officer

Title)

execute and deliver on behalf of the Corporation/Partnership the following contract and to act as principal to execute the contract and make Certifications in connection therewith, which contract and certifications were presented to and made a part of the records of said meeting:

Project Title: _____

I further certify that _____ is the duly qualified and acting

(Name of Corporate Officer/Partner)

_____ of the Corporation/Partnership and that said vote

(Officer Title)

has not been repealed, rescinded or amended.

Name

Date

(CORPORATE SEAL)

SUBSCRIBED AND SWORN TO THIS ____ DAY OF _____, 20____ BEFORE ME

Notary Public

My Commission Expires: _____

NON-COLLUSION FORM AND TAX COMPLIANCE FORM

CERTIFICATE OF NON-COLLUSION

The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word "person" shall mean any natural person, business, partnership, corporation, union, committee, club, or other organization, entity or group of individuals. The undersigned certifies that no representations made by any City officials, employees, entity, or group of individuals other than the Purchasing Agent of the City of Waltham was relied upon in the making of this bid

_____, _____
(Signature of person signing bid or proposal) Date

(Name of business)

TAX COMPLIANCE CERTIFICATION

Pursuant to M.G.L. c. 62C, & 49A, I certify under the penalties of perjury that, to the best of my knowledge and belief, I am in compliance with all laws of the Commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting child support.

_____, _____
Signature of person submitting bid or proposal Date

Name of business

NOTE

Failure to submit any of the required documents, in this or in other sections, with your bid response package may cause the disqualification of your proposal.

CERTIFICATE OF VOTE OF AUTHORIZATION

Date:

I _____, Clerk of _____ hereby certify that at a meeting of the Board of Directors of said Corporation duly held on the _____ day of _____ at which time a quorum was present and voting throughout, the following vote was duly passed and is now in full force and effect:

VOTED: That _____ (*name*) is hereby authorized, directed and empowered for the name and on behalf of this Corporation to sign, seal with the corporate seal, execute, acknowledge and deliver all contracts and other obligations of this Corporation; the execution of any such contract to be valid and binding upon this Corporation for all purposes, and that this vote shall remain in full force and effect unless and until the same has been altered, amended or revoked by a subsequent vote of such directors and a certificate of such later vote attested by the Clerk of this Corporation.

I further certify that _____ is duly elected/appointed _____ of said corporation

SIGNED:

(Corporate Seal) _____

Clerk of the Corporation: _____

Print Name: _____

COMMONWEALTH OF MASSACHUSETTS

County of _____

Date:

Then personally appeared the above named and acknowledged the foregoing instrument to be their free act and deed before me, _____

Notary Public;

My Commission expires: _____

CORPORATION IDENTIFICATION

The bidder for the information of the Awarding Authority furnishes the following information.

If a Corporation:

Incorporated in what state _____

President _____

Treasurer _____

Secretary _____

Federal ID Number _____

If a foreign (out of State) Corporation – Are you registered to do business in Massachusetts?

Yes _____, No _____

If you are selected for this work you are required under M.G.L.ch. 30S, 39L to obtain from the Secretary of State, Foreign Corp. Section, State House, Boston, a certificate stating that you Corporation is registered, and furnish said certificate to the Awarding Authority prior to the award.

If a Partnership: (Name all partners)

Name of partner _____

Residence _____

Name of partner _____

Residence _____

If an Individual:

Name _____

Residence _____

If an Individual doing business under a firm's name:

Name of Firm _____

Name of Individual _____

Business Address _____

Residence _____

Date _____

Name of Bidder _____

By _____

Signature _____

Title _____

Business Address _____ (POST OFFICE BOX NUMBER NOT ACCEPTABLE)

City State Telephone Number Today's Date

PROVIDE THREE (3) SERVICE APPROPRIATE REFERENCES

1. Company Name:

Address:

Contact Name:

Phone #

Type of service/product provided to this Company:

Dollar value of service provided to this Company:

2. Company Name:

Address:

Contact Name:

Phone #

Type of service/product provided to this Company:

Dollar value of service provided to this Company:

3. Company Name:

Address:

Contact Name:

Phone #

Type of service/product provided to this Company:

Dollar value of service provided to this Company:

DEBARMENT CERTIFICATION

In connection with this bid and all procurement transactions, by signature thereon, the respondent certifies that neither the company nor its principals are suspended, debarred, proposed for debarment, declared ineligible, or voluntarily excluded from the award of contracts, procurement or non procurement programs from the Commonwealth of Massachusetts, the US Federal Government and /or the City of Waltham. "Principals" means officers, directors, owners, partners and persons having primary interest, management or supervisory responsibilities with the business entity. Vendors shall provide immediate written notification to the Purchasing Agent of the City of Waltham at any time during the period of the contract of prior to the contract award if the vendor learns of any changed condition with regards to the debarment of the company or its officers. This certification is a material representation of fact upon which reliance will be placed when making the business award. If at any time it is determined that the vendor knowingly misrepresented this certification, in addition to other legal remedies available to the city of Waltham, the contract will be cancelled and the award revoked.

Company Name _____

Address _____

City _____, State _____, Zip Code _____

Phone Number (____) _____

E-Mail Address _____

Signed by Authorized Company Representative:

Print name _____,

Date _____

PRICE SHEET

My Company offers to provide the services specified within this document for the Not-To-Exceed Amount of:

- 1. Price for the Design and Construction Adm. –
UPPER ROOF (approx. 6288 SF) \$ _____
 - 2. Price for the Design and Construction Adm. –
PRIMARY ROOF (approx. 29,480 SF) \$ _____
- TOTAL** \$ _____

My company recognizes receipt of Addenda # _____, _____, _____, _____, _____

Company: _____

Authorized Signature: _____

Print Name: _____

Date: _____

Roof Photographs



Lower Membrane Roof



Upper Built-Up Roof over Auditorium

Roof Photographs



Upper Built-Up Roof Looking South



Detail at Built-Up Roof Edge

CODE REVIEW NARRATIVE
Waltham Community Center
510 Moody Street
Waltham, MA
June 10, 2013

Reviewed to Commonwealth of Massachusetts State Building Code 780 CMR Eighth Edition), International Building Code (IBC) 2009, International Existing Building Code (IEBC) 2009, 1/9/09, International Energy Conservation Code (IECC) 2009, NFPA 101-1994, Architectural Access Board 521 CMR, 1/27/06; Americans with Disabilities Act (ADA) - 1990, Commonwealth of Massachusetts Fuel Gas and Plumbing Code 248 CMR updated to 3/11/2005.

Summary: This is a code review of an existing 36,000 SF elementary school building that is currently being used as space for teaching, administrative uses and as civic community center. The review is being undertaken in preparation for providing air conditioning improvements to three of its spaces: the former cafetorium, the gymnasium and the auditorium.

BUILDING BACKGROUND REVIEW

- IBC-302 Existing Building use groups:
- IBC-305.1 Educational – up through 12th grade
 - IBC-304.1 Business Group B – Civic administration
 - IBC-304.1 Business Group B – Other Classrooms
 - IBC-303.1 Assembly A-3 – Gymnasium
 - Assembly A-3 - Community Hall
 - Assembly A-3 – Bowling alley (future)
 - Assembly A-3 – Dance Halls (Skate and Scoot)
- IBC-403.2 This building is not a high-rise building (more than 70' above mean grade).
- IBC-501 The building appears to be split into two discrete buildings with a fire separation between them. The original building appears to be constructed of masonry construction with structural concrete and clay tile floors. This portion of the building has a foot print of 22,419 SF.
- The later classroom addition is constructed of steel framing and poured concrete floors and has a foot print of 13,350 SF and is divided from the original building with a masonry separation wall that does not extend through the roof. Neither building has sprinklers.
- The total foot print of the two structures is 35,769 SF and each building is 3 stories (37 Feet high)

IBC-Tbl. 503 Allowable tabular area and height:

Original Building	Non-Combustible Protected (Type II A) Educational E – 3 stories and 26,500 SF allowed per floor Business B – 5 stories and 37,500 SF allowed per floor Assembly A-3 – 3 stories and 15,500 SF allowed per floor
New Building Addition	Non- Combustible Unprotected (Type II B) Educational E – 2 stories and 14,500 SF allowed per floor Business B – 3 stories and 23,000 SF allowed per floor Assembly A-3 – 2 stories and 9,500 SF allowed per floor

IBC-506.2 Area increases allowed by frontage excess: Building is accessible on 3 sides. Increase = 50% (30/30) x allowed area = Area Increase allowed.

Original Building	15,500 x .5 = 7750 SF (Assembly A-3)
New Building Addition	9500 x .5 = 4750 (Assembly A-3)

IBC-506.1 Total area allowed for A-3 Occupancy:

Original Building 15,500 + 7750 = 23,250 SF
New Building Addition 9500 + 4750 = 14,250 SF

Areas of Existing Building:	Original Bldg	New Building	Total Building
Basement Level	22,419 SF	13,350 SF	35,769 SF
Level 1	22,419 SF	8362 SF	30,781 SF
Level 2	<u>10,271 SF</u>	<u>8,362 SF</u>	<u>18,633 SF</u>
Total Existing Area	55,109 SF	30,077 SF	85,183 SF

Discussion: Building complies for height and area for the most stringent use (A-3) by building construction type so building complies with current codes for height and area.

EXISTING INTERNATIONAL BUILDING CODE REVIEW

IEBC-406 One of the main questions for this review is whether the building has changed its occupancy classification. Originally the spaces under review were all under an Occupancy Classification E, educational use for grades 1 – 12. Now while some of the classrooms continue to be used for educational use, there are additional new uses in the building including civic administration (B – Business Group), gymnasium (A3 – Assembly), community halls (A3 – Assembly) and (future) bowling alleys (A3 – Assembly).

NO CHANGE IN OCCUPANCY SCENARIO

Discussion: If the building occupancy remains classified as not changed as an educational occupancy (E – Educational) then the alterations (adding to or changing the mechanical systems) would fall under the requirements of Chapter 7 (Alterations - Level 2) which applies to work undertaken where there is reconfiguration of any building system or the addition of any additional equipment. (See IEBC 404)

IEBC-703 There are no changes to the building elements, interior finishes and floor openings.

Discussion: This is an important point. Under the definitions section of the code “Work Area” is defined as “reconfigured spaces”. In this review no spaces are being reconfigured and thus might exempt changes made to building systems.

IEBC-704 Sprinklers do not exist in the building. In E Occupancies sprinklers will not be required if the work area is less than 50% of the floor area. (It is.)

IEBC-705 Means of egress shall be considered compliant if building complies with the code under which it was constructed unless considered unsafe by the Building Official.

IEBC-706 Accessibility changes are required only in an element which is altered.

IEBC-707 Seismic up dates are required for any element which has an increased loading more than 5%.

IEBC-708 New electrical work is to meet current codes.

IEBC-709.2 Altered mechanical systems shall meet ASHRAE 62.

IEBC-710 Where the occupant load of the story is increased by more than 20% plumbing fixtures for the story are to be provided according to the current Plumbing Code.

IEBC-711 Only altered elements need to comply to the current Energy Conservation Code.

CHANGE IN OCCUPANCY SCENARIO

Discussion If it is determined that there is a change of occupancy for this building and that it falls under the requirements of the current building code than the list of compliance requirements for IEBC 912 below apply.

IEBC-901.3 Where there is a change in occupancy of the building or a partial change of occupancy and alterations are necessary Section 901.3 requires that the area where there is an occupancy change meet the requirements of Section 912.

- IEBC-903 Building elements and finishes to meet requirements of Section 912. There are no changes to existing building elements anticipated. Existing vertical openings must be enclosed in conformance with the code. Finishes must comply with the code in any work area.
- IEBC-904 Fire protection is to meet requirements of Section 912.
- IEBC-905 Means of egress shall meet requirements of Section 912.4.
- IEBC-906 Accessibility shall comply with Section 912.8.
- IEBC-907 Structural up-grades are not required if there are no increases in gravity loads or if occupancy loads are not increased by Table 1607.1 or 1607.6 of the IBC. (They are not.)
- Structural up-grades are not required if change in occupancy does not increase wind or snow categories based on Table 1604.5 of the IBC. (It does not.)
- Seismic up-grades are required only if the new occupancy requires a higher hazard category as shown in Table 1604.5 in the IBC. (E and A are the same hazard category.)
- IEBC-908 Electrical systems including main service are to meet all requirements of NFPA 70.
- IEBC-909 All mechanical systems must meet new building code requirements for intended occupancy.
- IEBC-910 All plumbing systems must meet new building code requirements for intended occupancy.
- IEBC-911 Light and ventilation to meet new building code requirements for intended occupancy.
- IEBC-912 The new work must comply with Chapter 8 – Alterations Level 3.
- IEBC-803.1 Existing Shafts and Vertical Openings are to be fully enclosed according to the Code.
- IEBC- 808.1 Energy Conservation: Level 3 Alterations to existing buildings are permitted without requiring the entire building to comply with the International Energy Conservation Code (IECC)
- IECC-101.4.4 Changes in occupancy or use require mechanical and electrical systems to be brought up to current codes. (New mechanical and electrical systems are being provided.)
- IECC-101.4.5 Any non-conditioned space that is altered to become a conditioned space shall be required to be brought into full compliance with this code. (Space was previously conditioned.)

Code Analysis
Waltham Community Center

IEBC-912.2 Sprinklers must be provided to meet the requirements of the new occupancy classification in the area in which it occurs.

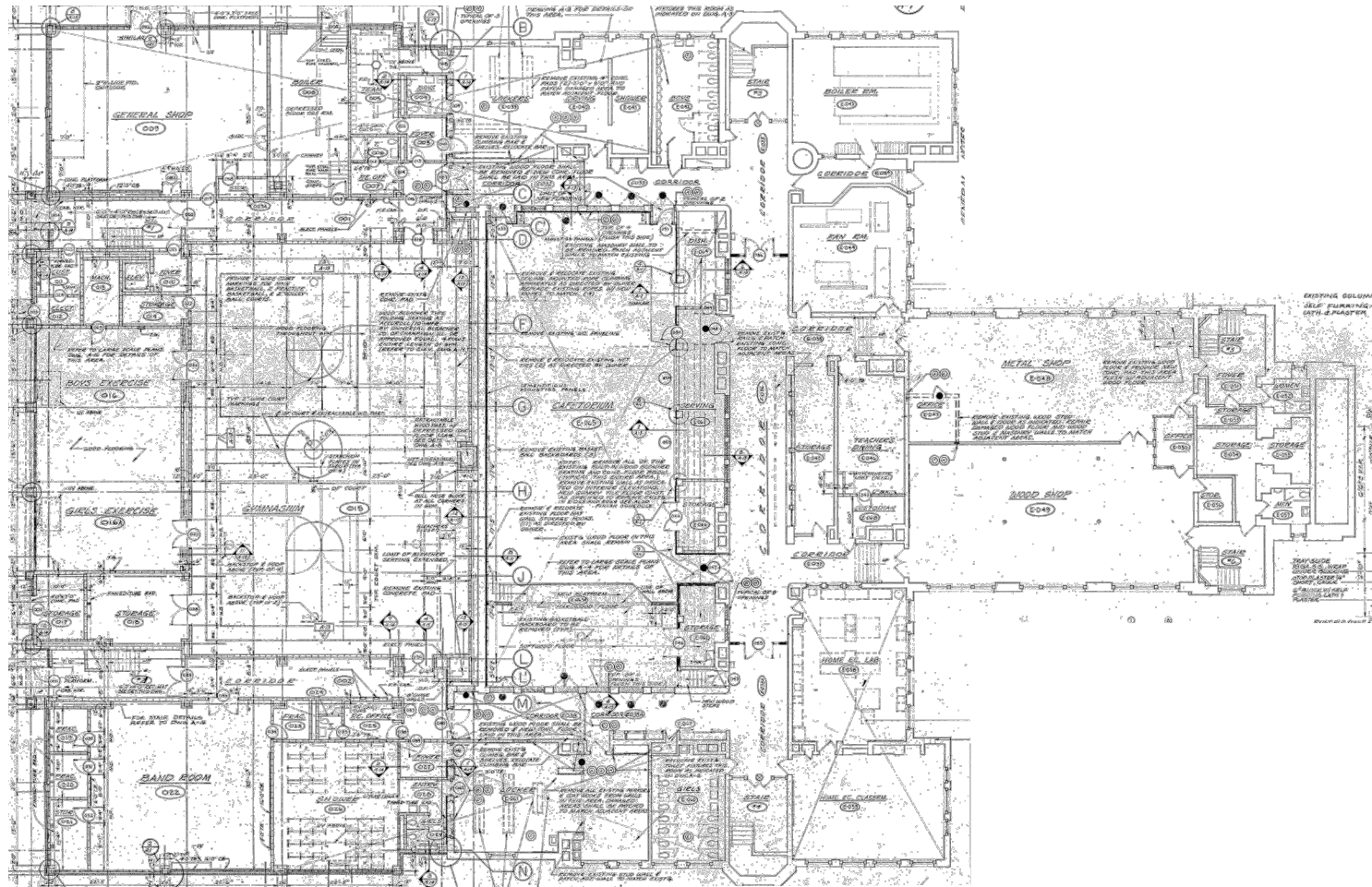
Discussion: In this case Assembly A-3 occupancies are at the gym area, the skate and scoot area and the auditorium area. The threshold requirement for sprinklers is for areas over 5000 SF. All of these areas exceed 5000 SF.

IEBC-912.3 Finishes must meet the requirements of the new occupancy classification. In this case the occupancy classification for E (the former occupancy) and A or B are in the same category..

IEBC-912.4 Means of egress must conform to the requirements for the new occupancy. As per Table 912.5 educational occupancies (Relative Hazard Level 3) have a lower hazard than A-3 (Relative Hazard Level 2). Changes must be made to the egress to meet current codes.

IEBC-912.8 Accessibility for the full building is required for an occupancy including accessible building entrances, accessible parking and all levels accessible by ramps and elevator.

Discussion: This building has one accessible entrance at the rear of the building to the basement floor only. There is currently no accessibility between floors.



EXISTING GROUND FLOOR PLAN

14 Spring Street
 Waltham, MA 02451
 Tel: (781) 951-1300
 www.dvwmoreover.com



KEY PLAN

PROJECT
**WALTHAM
 COMMUNITY
 CENTER
 HVAC & ROOF
 STUDY**

510 MOODY STREET
 WALTHAM, MA 02453

PROJECT #: 1303
 DRAWN BY:
 CHECKED BY:
 APPROVED BY:
 SCALE: NTS

STATUS
 [] SCHEMATIC DESIGN/STUDY
 [] REVIEW
 [] DESIGN DEVELOPMENT
 [] FINAL REVIEW
 [] BIDDING
 [] PERMIT
 [] CONSTRUCTION
 [] NOT FOR CONSTRUCTION
 [] AS-BUILT
 DATE: 06 / 28 / 2013
 REVISIONS:

DRAWING
**EXISTING
 GROUND
 FLOOR PLAN**

A1.155



KEY PLAN

PROJECT
**WALTHAM
 COMMUNITY
 CENTER
 HVAC & ROOF
 STUDY**

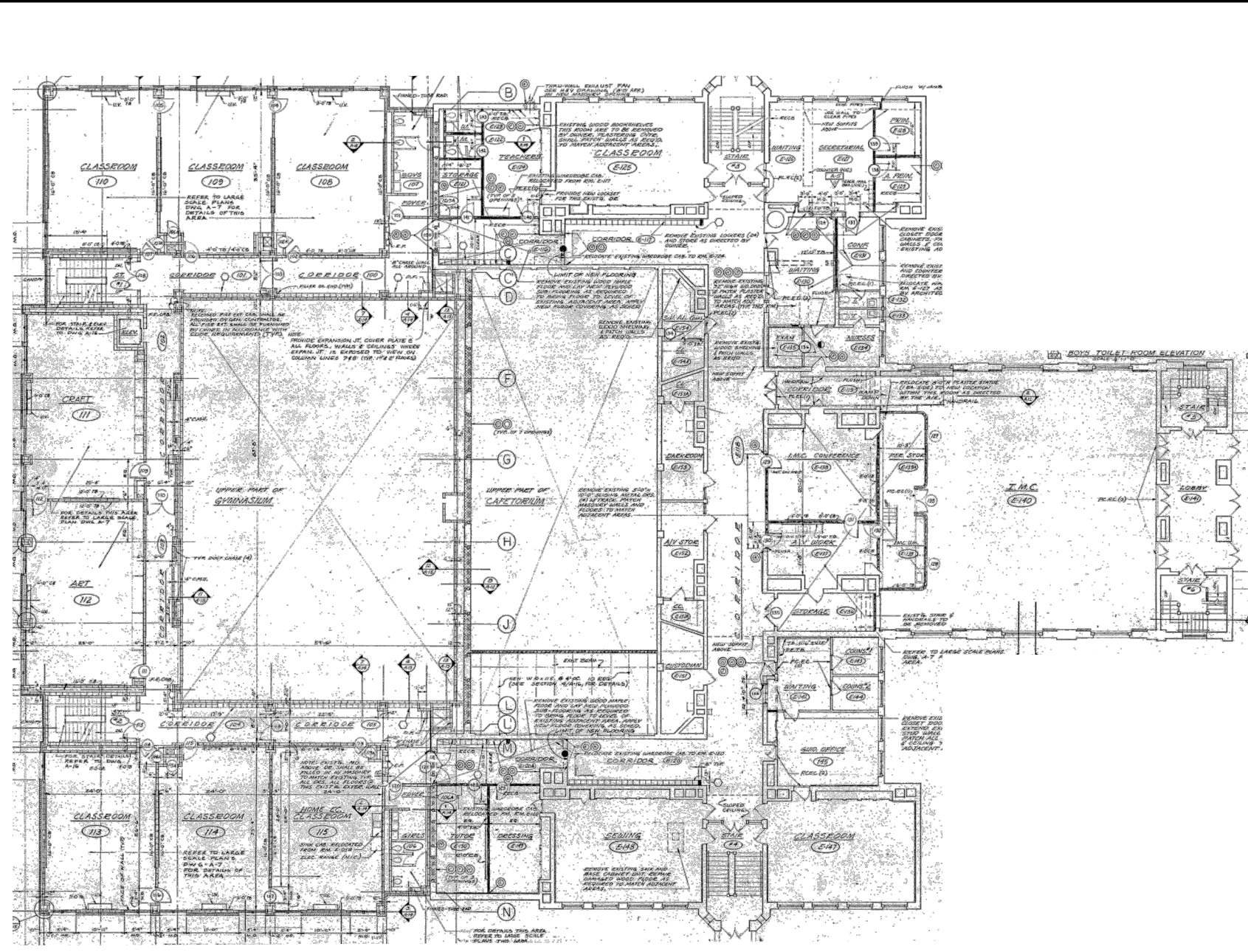
510 MOODY STREET
 WALTHAM, MA 02453

PROJECT # 133
 DRAWN BY
 CHECKED BY
 APPROVED BY
 SCALE: 1/8"

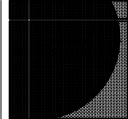
STATUS
 SCHEMATIC DESIGN/DEVELOPMENT
 REVIEW
 DESIGN DEVELOPMENT
 FINAL REVIEW
 BIDDING
 PERMIT
 CONSTRUCTION
 NOT FOR CONSTRUCTION
 AS-BUILT
 DATE: 06/28/2013
 REVISIONS:

DRAWING
**EXISTING
 FIRST
 FLOOR PLAN**

A1.36



EXISTING FIRST FLOOR PLAN



14 Spring Street
Waltham, MA 02451
Tel: (781) 951-1300
www.thomsonedwards.com



KEY PLAN

PROJECT
**WALTHAM
COMMUNITY
CENTER
HVAC & ROOF
STUDY**

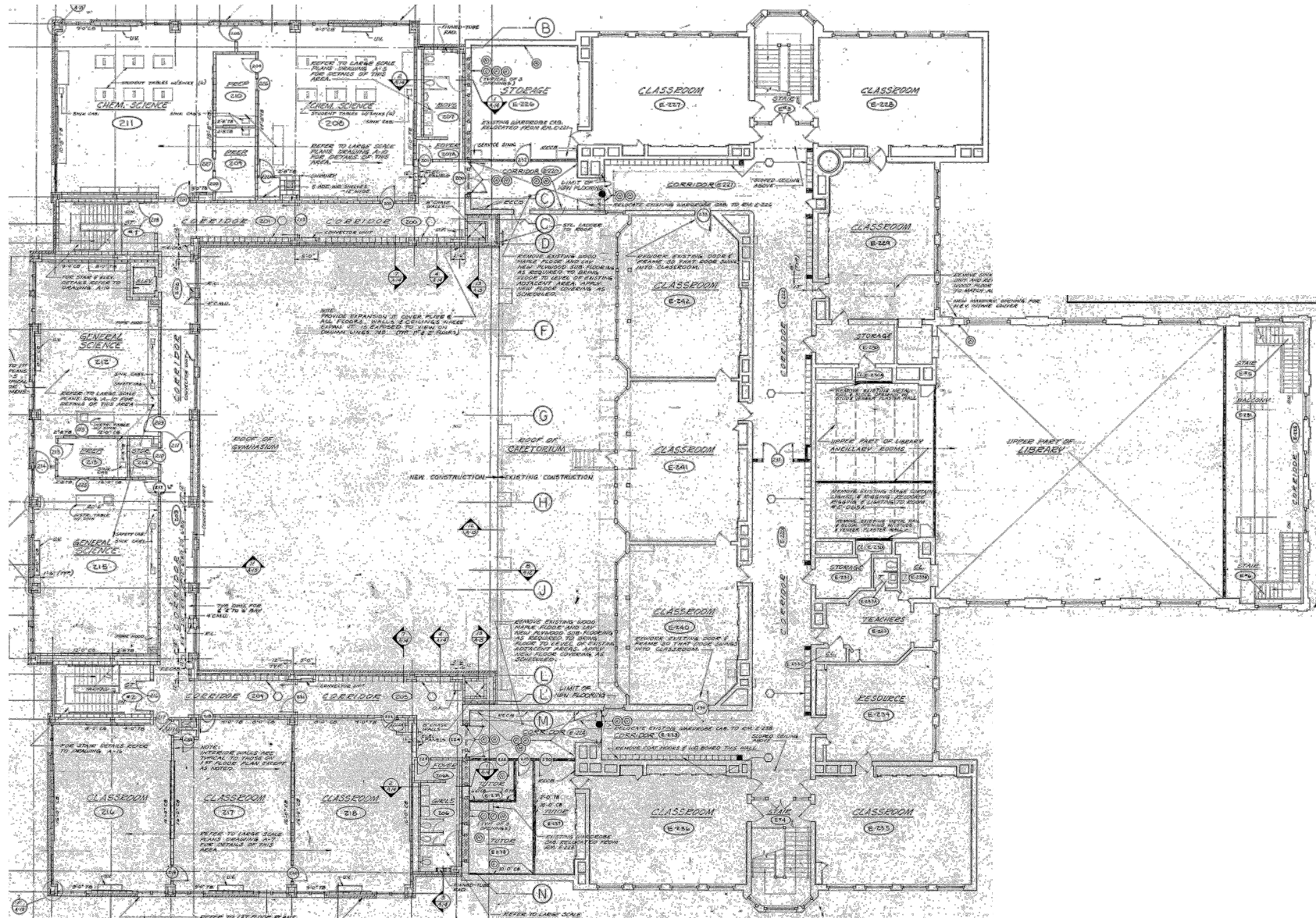
510 MOODY STREET
WALTHAM, MA 02453

PROJECT # 1303
DRAWN BY
CHECKED BY
APPROVED BY
SCALE: 1/8" = 1'-0"

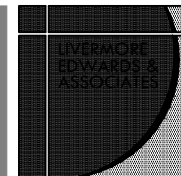
STATUS
 SCHEMATIC DESIGN/STUDY
 REVIEW
 DESIGN DEVELOPMENT
 FINAL REVIEW
 BIDDING
 PERMIT
 CONSTRUCTION
 NOT FOR CONSTRUCTION
 AS-BUILT
 DATE: 06/28/2013
 REVISIONS:

DRAWING
**EXISTING
SECOND
FLOOR PLAN**

A1.37



EXISTING SECOND FLOOR PLAN



14 Spring Street
Waltham, MA 02451
Tel: (781) 891-1260
www.livermoreedwards.com



130 LINCOLN STREET
BOSTON, MA 02111
TEL: (617) 360-7346
FAX: (617) 360-0202

SEB ASSOCIATES CORP.
130 LINCOLN STREET
BOSTON, MA 02111
TEL: (617) 360-7346
FAX: (617) 360-0202

KEY PLAN:

PROJECT:
WALTHAM
COMMUNITY
CENTER
HVAC & ROOF
STUDY

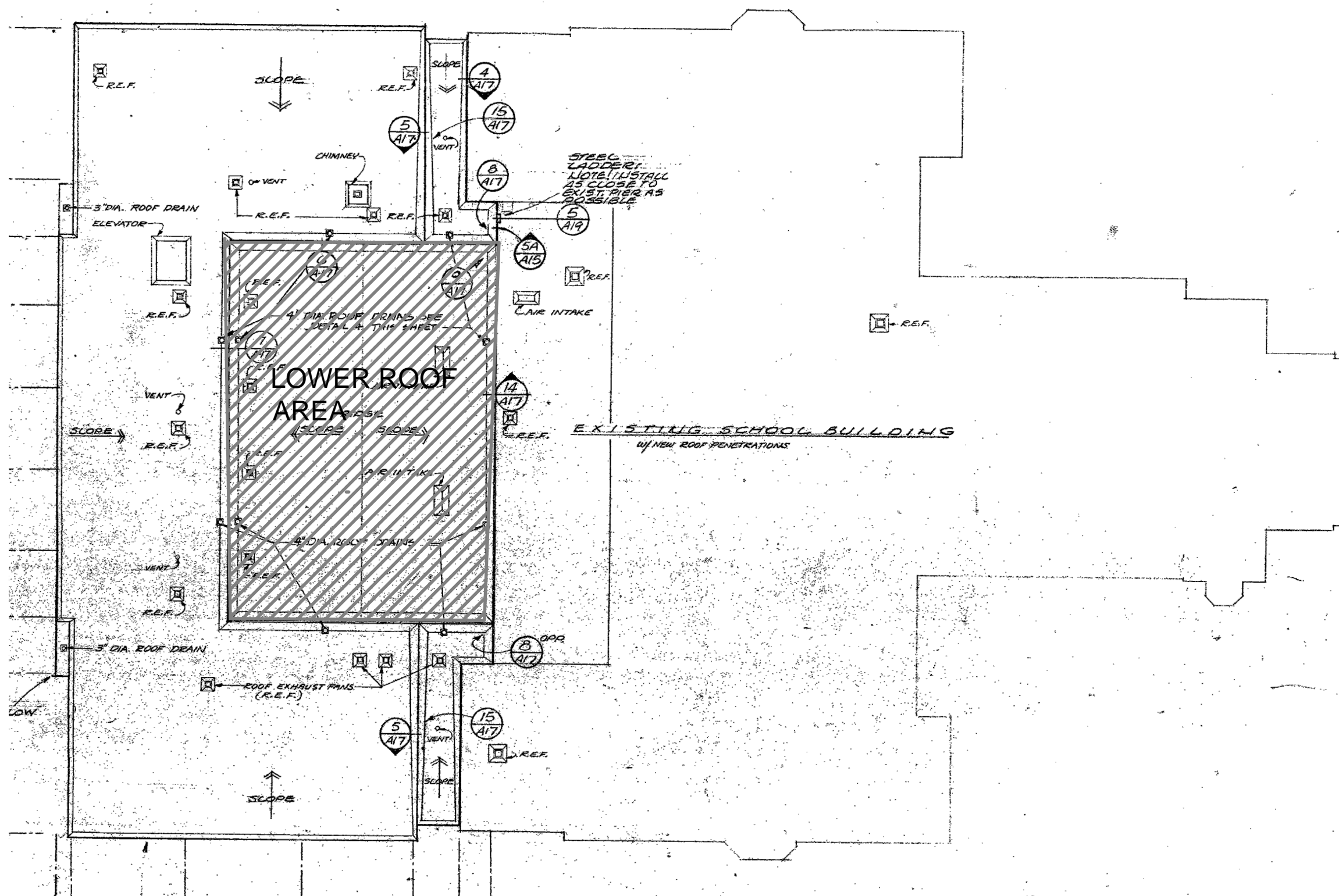
510 MOODY STREET
WALTHAM, MA 02453

PROJECT #: 1303
DRAWN BY:
CHECKED BY:
APPROVED BY:
SCALE: NTS

STATUS:
■ SCHEMATIC DESIGN/STUDY
□ REVIEW
□ DESIGN DEVELOPMENT
□ FINAL REVIEW
□ BIDDING
□ PERMIT
□ CONSTRUCTION
□ NOT FOR CONSTRUCTION
□ AS-BUILT
DATE: 06/28/2013
REVISIONS:

DRAWING:
EXISTING
ROOF
PLAN

A1.4



EXISTING ROOF PLAN