



Stamford Public Schools

EXCELLENCE IS THE POINT.

MAIL BIDS TO:

STAMFORD PUBLIC SCHOOLS
888 WASHINGTON BLVD.
PURCHASING DEPT. 3rd FLOOR
STAMFORD, CT 06901

BID NUMBER: B-4038

REQUESTING DEPT: PURCHASING

TITLE OF BID: PRE FAB METAL BUILDING
AT STAMFORD HIGH SCHOOL
FOR STAMFORD PUBLIC SCHOOLS

BID OPENING: DATE: THURSDAY APRIL 21, 2022

TIME: 2:30 P.M.

PLACE: PURCHASING, 3rd FLOOR
888 Washington Boulevard
Stamford, CT 06901

MANDATORY:

PRE-BID WALK THRU: DATE: MONDAY APRIL 11, 2022

TIME: 10:00 A.M.

PLACE: 57 HOLCOMB AVE
STAMFORD, CT 06903

4 COPIES OF RESPONSE REQUIRED

This Bid Specification was prepared to solicit sealed bids on behalf of the Stamford Public School Facilities Department from qualified responsible contractors for the installation of a Pre Fab metal building. Contractor shall be fully licensed and insured. The scope of work is delineated in the attached drawings provided for this project. All terms and conditions, construction drawings, specifications, and bid forms are attached hereto. The lowest responsible bidder may be required to attend a meeting with District officials prior to the awarding of the bid contract.

B-4038

PRE FAB METAL BUILDING AT SHS

INVITATION TO BID/OVERVIEW OF SERVICES

Stamford Public Schools (SPS) is soliciting sealed bids from qualified responsible contractors for the installation of a Pre Fab metal building at Stamford High School. The district is looking for a General Contractor to oversee all aspects of construction and are anticipating foundation work to begin in the summer of 2022. Examples of these specific works are outlined in more detail in “Scope of Work” in section C and in “Exhibit A & Exhibit B.”

- Bids/Requests for proposals will be available at the purchasing department section of the Stamford Public Schools (SPS) website:
<https://www.stamfordpublicschools.org/district/finance-purchasing/pages/rfps-and-bids>
starting Friday April 1, 2022.
- Contracts shall be awarded to the individual, contractor (s), or organization whose proposal best meets all criteria listed in the bid. The lowest responsible bidder may be required to attend a meeting with District officials prior to the awarding of the bid contract.
- **Proposals must be sealed and received by Thursday April 21, 2022 at 2:30 P.M.**
- Upon successful selection of a vendor, an award notification will be posted online at:
<https://www.stamfordpublicschools.org/district/finance-purchasing/pages/rfp-contract-award-notification>
- **Insurance Requirements:** The selected proposer, upon the signing of the formal contract, will be required to deliver an insurance certificate in amounts, companies, and terms acceptable to the Risk Manager of the City of Stamford. Also, the District reserves the right to modify the insurance coverage amounts as well as policy types prior to the development of a contract. (*See section A.5 for further info*)
- **Rejection of Proposals**
Stamford Public Schools reserves the right to reject for any reason deemed to be in the District’s best interest any and/or all proposals submitted under this Bid.
- **Negotiated Changes**
In the event negotiated changes occur after the awarding of the contract, the same pricing policies called for in the original contract will remain in effect.
- **Selection Committee**
For requests for proposals for services anticipated to exceed \$100,000, a selection committee shall be formed to review all proposals. The selection committee shall, if possible, interview the most qualified proposers. Bids over \$100,000 will require SPS Board of Education approval.

SAMPLE SCORING SHEET

Proposal Selection Criteria	Points
Understanding of Engagement	15
Qualifications and Experience of Proposer	25
Professional References	10
Proposed Fee Arrangements	50
Total (maximum 100 pts)	100

A. General Contract Information

1. Awarding the Contract (s)

The contract/s shall be awarded to the proposer whose proposal is deemed by the department head and/or selection committee to best provide the services desired, taking into account the requirements, terms and conditions contained in the bid proposals and the criteria for evaluating proposals. The SPS reserves the right to award this contract to one or multiple vendors provided that one vendor is financially beneficial to the district.

2. Contract Agreement

The successful bidder will be required to enter into an Agreement with Stamford Public Schools for the completion of the contract. If so, a sample copy of the Agreement is available at the following website:

https://www.stamfordpublicschools.org/sites/g/files/vyhlif3841/f/uploads/sample_agreement_for_boe_rfp_packages_1.pdf

The specifications of the proposal and the purchase order issued to the proposer shall serve as a contract where no formal written contract is required.

3. Terms of Agreement

The Agreement and pricing shall remain in effect for the fiscal year of 2022-2023 beginning July 1, 2022 until the project is completed. Thereafter, the Agreement shall remain in effect until such time that either party gives sixty (60) business days prior written notice of its intent to either extend or terminate the Agreement.

4. Cancellation of the Contract

The Stamford Public Schools (SPS) reserves the right to cancel this contract, at any time, with sixty (60) days prior written notice to the consultant or organization, should any of the following conditions exist:

- Funds are not appropriated by the City of Stamford for the continuation of this contract
- The Stamford Public Schools (SPS), through changes in its requirements, method of operation, or program operation no longer has a need for the commodity or service.

- If the Contractor fails to fulfill its obligations under this contract properly and on time, or otherwise violates any provision of the contract, Stamford Public Schools may terminate the contract by written notice to the Contractor.
- As indicated in “sample contract on page 3” the SPS reserves the right to cancel for either cause or convenience.

5. Provision for Required Insurance

The Vendor shall maintain insurance, which complies with the insurance requirements contained in this Contract between the Stamford Public Schools, Stamford, Connecticut and the vendor. Such insurance required to be maintained by the vendor shall include:

1. General liability, which contains limits of liability of \$1,000,000/\$2,000,000 combined single limit per occurrence and aggregate for property damage and bodily injury. Such insurance shall contain operations liability, contractual liability, which covers any indemnities contained in this Contract, personal injury and advertising liability and completed operations and products liability.
2. If working with children, sexual abuse and molestation coverage, which may be included in the general liability policy or be a standalone policy, with a minimum limit of liability of \$1,000,000.
3. Workers’ compensation and employers liability, which covers the employees of the Vendor, if applicable. Employer’s liability insurance, which contains limits of liability of not less than \$100,000 each accident, \$100,000 disease policy limit and \$100,000 disease – each employee.
4. Professional liability, which covers the professional services of the Vendor - \$1,000,000.

The Stamford Public Schools, the City of Stamford and their employees, agents and officers shall be designated as additional insureds under the general liability policy. All insurance maintained by the Vendor shall be primary insurance, not excess or concurrent, with any insurance maintained by or on behalf of the Stamford Public Schools or City of Stamford. The Vendor agrees to hold the Stamford Public Schools, the City of Stamford, and their employees, agents, and officers, safe and harmless from liability during the performance of this contract, and provide a waiver of subrogation in favor of the Stamford Public Schools, the City of Stamford, and their employees, agents and officers. The Vendor shall provide the Stamford Public Schools with evidence of insurance, which complies with the insurance requirements hereunder.

6.1 Non-Discrimination

- (a) The contractor agrees and warrants that in the performance of the contract, it will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, religious creed, age, marital status, national origin, ancestry, sex, sexual orientation, mental retardation or physical disability, including, but not limited to, blindness, unless it is shown by such contractor that such disability prevents performance of

the work involved, in any manner prohibited by the laws of the United States or of the state of Connecticut. If the contract is for a public works project, the contractor agrees and warrants that it will make good faith efforts to employ minority business enterprises as subcontractors and suppliers of materials on such project. The contractor further agrees to take affirmative action to ensure that applicants with job-related qualifications are employed and that employees are treated when employed without regard to their race, color, religious creed, age, marital status, national origin, ancestry, sex, sexual orientation, mental retardation, or physical disability, including, but not limited to, blindness, unless it is shown by such contractor that such disability prevents performance of the work involved;

(b) The contractor agrees, in all solicitations or advertisements for employees placed by or on behalf of the contractor, to state that it is an "Affirmative Action-Equal Opportunity Employer" in accordance with regulations adopted by the Connecticut Commission on Human Rights and Opportunities ("CCHRO");

(c) The contractor agrees to provide each labor union or representative of workers with which such contractor has a collective bargaining agreement or other contract or understanding and each vendor with which such contractor has a contract or understanding, a copy of these provisions, advising the labor union or worker's representative of the contractor's commitments under these provisions and to post copies of the notice in conspicuous places available to employees and applicants for employment;

(d) The contractor agrees to comply with each provision of this section and Conn. Gen. Stat. Sections 4a-62, 32-9e, 46a-56 and 46a-68b to 46a-68k, inclusive, and with each regulation or relevant order issued by said CCHRO;

(e) The contractor agrees to provide the SPS with such information requested by the SPS, and permit access to pertinent books, records and accounts, concerning the employment practices and procedures of the contractor.

6.2 Prime Contractor Responsibility

Vendors submitting proposals to this Bid may utilize the services of subcontractors. If subcontractors are planned to be used, this should be clearly explained in the proposal. The prime Proposer will be responsible for the entire contract performance whether or not a subcontractor is to perform.

All corporate information in this Bid must be included for each proposed subcontractor. The Bid must also include copies of any agreements to be executed between the prime Proposer and any subcontractors in the event of contract award. Under this Bid, the Stamford Public Schools retains the right to approve all subcontractors.

6.3 Subcontractors

The contractor shall include the provisions of subsection (6 and 6.1) in every subcontract or purchase order entered into in order to fulfill any obligation of a contract with the SPS and such provisions shall be binding on a subcontractor, vendor or manufacturer unless exempted by regulations or orders of the CCHRO. The contractor shall take such action with respect to

any such subcontract or purchase order as the SPS may direct as a means of enforcing such provisions.

The contractor agrees to comply with the CCHRO's requirements as they exist on the date of this contract and as they may be adopted or amended from time to time during the term of this contract and any amendments thereto.

6.4 Ambiguity in the Bid Specification

Prior to submitting the Bid, the contractor is responsible to bring to the SPS' attention any ambiguity in this Bid. Failure to do so shall result in the contractor forfeiting any claim for adjustment based on such ambiguity as should have been noted by a prudent contractor.

In the event of any ambiguity between the SPS' Bid and the proposer's Bid, then whatever shall be more favorable to the Stamford Public Schools as determined in the sole discretion of the SPS shall prevail and take precedence.

6.5 Ownership Information

The Stamford Public Schools shall have unlimited rights to use, disclose, or duplicate, for any purpose whatsoever, all information developed, derived, documented or furnished by the contractor under any contract resulting from this Bid.

In the event of contract award, all data collected and other documentation procured as part of the contract will become the exclusive property of the Stamford Public Schools and may not be copied or removed by any employee of the contractor without written permission of the Stamford Public Schools.

6.6 Proprietary Information

The Stamford Public Schools will not disclose any portion of the Bids except to members of the Bid evaluation team prior to contract award. The Stamford Public Schools retains the right to disclose the name of the successful proposer, the amount of contract, and any other information in the proposal that is pertinent to the selection of the contractor.

6.7 Independent Project Cost Determination and Gratuities

By submission of an offer, the proposer certifies, that in connection with this Bid:

- The costs in this offer have been arrived at independently, without consultation, communication or agreement, for the purposes of restricting competition, as to any matter relating to such prices with any other proposer or competitor.
- The prices quoted in this offer will not change for a period of one hundred and twenty (120) days after the receipt date at the Stamford Public Schools of this offer.
- Unless otherwise required by law, the costs which have been quoted in this offer have not been knowingly disclosed by proposer and will not knowingly be disclosed by the proposer prior to award, directly or indirectly to any other proposer or to any competitor.

- No attempt has been made or will be made by the proposer to induce any other person or firm to submit or not to submit an offer for the purpose of restrictive competition.
- No elected official or appointed official or employee of the Stamford Public Schools or the City of Stamford shall benefit financially or materially from any contract awarded pursuant to this Bid.

6.8 Gifts

During the term of this contract, including any extensions, the Contractor shall refrain from making gifts of money, goods, real or personal property or services to any appointed or elected official or employee of the City of Stamford or the Stamford Board of Education (“BOE”) or any appointed or elected official or employee of their Boards, Commissions, Departments, Agencies or Authorities. All references to the Contractor shall include its officers, directors, employees, and owners of more than 5% equity in the contractor. Violation of this provision shall constitute a material breach of this Agreement, for which this Agreement may be summarily terminated.

6.9 Incurring Cost

The Stamford Public Schools will not be held responsible for any costs incurred by the proposer for work performed in preparation and production of a Bid or for any work performed prior to the issuance of a contract.

6.10 Student Data Privacy

To effect the transfer of data subject to FERPA, the Contractor agrees and acknowledges as follows:

- A.** The Contractor shall ensure compliance in all respects with the provisions of the Family Educational Rights and Privacy Act of 1974, 20 U.S.C. 1232g, (“FERPA”) including any amendments or other relevant provisions of federal law, as well as all requirements of Chapter 99 of Title 34 of the Code of Federal Regulations. Nothing in this Agreement may be construed to allow either party to maintain, use, disclose or share student information in a manner not allowed by federal or state law or regulation.
- B.** Student information, student records and student-generated content, as those terms are defined pursuant to Connecticut General Statutes §10-234aa (collectively “student data”), are not the property or under the control of the Contractor;
- C.** The Board shall have access to and may request the deletion of student data in the possession of the Contractor except when such data is (A) otherwise prohibited from deletion or required to be retained under state or federal law, or (B) stored as a copy as part of a disaster recovery storage system and that is (i) inaccessible to the public, and (ii) unable to be used in the normal course of business by the Contractor, provided the Board may request the deletion of any such student data if such copy has been used by the operator to repopulate accessible data following a disaster recovery; at any time by notifying Contractor, in writing, of such request and identifying the information to be deleted;

D. The Contractor shall not use student data for any purposes other than those authorized pursuant to this Agreement with the Board;

E. The procedures by which a student, parent or legal guardian of a student may review personally identifiable information contained in student data and correct erroneous information, if any, in such student record is set forth in Board Policy, with specific reference to Policy 5115 (as may be amended from time to time) and its associated Regulation(s), a copy of which may be found at
<http://www.stamfordpublicschools.org/district/board-education/pages/policy-handbook>.

F. The Contractor shall take actions designed to ensure the security and confidentiality of student data;

G. The Contractor shall adhere to the following procedures to notify the Board in the event that there has been an unauthorized release, disclosure or acquisition of student data:

a. Upon the discovery of a breach of security that results in the unauthorized release, disclosure or acquisition of student information, excluding any directory information contained in such student information, the Contractor shall notify, without unreasonable delay, but not more than thirty days after such discovery, the Board in writing through the Superintendent of Schools of such breach of security. During such thirty-day period, the Contractor may (A) conduct an investigation to determine the nature and scope of such unauthorized release, disclosure or acquisition, and the identity of the students whose student information is involved in such unauthorized release, disclosure or acquisition, or (B) restore the reasonable integrity of the Contractor's data system.

b. Upon the discovery of a breach of security that results in the unauthorized release, disclosure or acquisition of directory information, student records or student-generated content, the Contractor shall notify, without unreasonable delay, but not more than sixty days after such discovery, the Board of such breach of security. During such sixty-day period, the Contractor may (A) conduct an investigation to determine the nature and scope of such unauthorized release, disclosure or acquisition, and the identity of the students whose directory information, student records or student-generated content is involved in such unauthorized release, disclosure or acquisition, or (B) restore the reasonable integrity of the Contractor's data system.

H. Student data shall not be retained or available to the Contractor upon expiration of the Agreement between the Contractor and the Board, except a student, parent or legal guardian of a student may choose to independently establish or maintain an electronic account with the Contractor after the expiration of such Agreement for the purpose of storing student-generated content.

I. All student-generated content shall be the property of the student or the parent or legal guardian of the student.

J. The Contractor shall implement and maintain security procedures and practices designed to protect student information, student records and student-generated content from

unauthorized access, destruction, use, modification or disclosure that, based on the sensitivity of the data and the risk from unauthorized access, (1) use technologies and methodologies that are consistent with the guidance issued pursuant to section 13402(h)(2) of Public Law 111-5, as amended from time to time, (2) maintain technical safeguards as it relates to the possession of student records in a manner consistent with the provisions of 45 CFR 164.312, as amended from time to time and (3) otherwise meet or exceed industry standards.

K. The Contractor shall not use (1) student data for any purposes other than those authorized pursuant to this Agreement, or (2) personally identifiable information contained in student data to engage in targeted advertising.

L. The parties agree that this Agreement controls over any inconsistent terms of conditions contained within any other agreement entered into by the parties concerning student data.

M. If a court of competent jurisdiction finds that any provision of this Agreement is invalid, illegal or unenforceable, in any respect, then such invalidity, illegality or unenforceability shall not affect or impair any other remaining provisions of this Agreement, which shall remain in full force and effect. Moreover, if a court of competent jurisdiction finds that any provision of this Agreement is excessively broad, then such provision shall be construed by limiting it so as to be enforceable to the extent compatible with applicable law.

N. If a court of competent jurisdiction finds that any provision of this Agreement is invalid, illegal or unenforceable, in any respect, then such invalidity, illegality or unenforceability shall not affect or impair any other remaining provisions of this Agreement, which shall remain in full force and effect. Moreover, if a court of competent jurisdiction finds that any provision of this Agreement is excessively broad, then such provision shall be construed by limiting it so as to be enforceable to the extent compatible with applicable law.

6.11 Code of Ethics

Vendor shall comply with the Stamford Municipal Code of Ethics as codified in Chapter 19 of the City of Stamford Code of Ordinances and shall be considered an “employee”, as defined in that Chapter, strictly for the purpose of compliance thereto. Vendor is prohibited from using its status as a vendor to derive any interest(s) or benefit(s) from other individuals or organizations.

6.12 Off Contract Purchase

The District reserves the right to purchase items and/or products covered by this agreement from alternate sources, should, during the term of this agreement, the District obtain more favorable pricing from those alternate sources or determine that it is in its best interest to purchase an item from an alternate source. This Contract is not an exclusive Contract.

6.13 Information on Bidders' Background

In addition to the specific information required to be submitted in direct response to this procurement, the Stamford Public Schools reserves the right to request certain additional

information from any/all bidders, such as Dunn & Bradstreet reports, certified financial statements, lists and details on equipment and other important and necessary information and documents that will serve the best interest of the City, in the opinion of Superintendent of Schools and/or of the Purchasing Agent, in determining the capabilities of a contractor.

6.14 Independent Contractor Status

It is the intent of this Bid that the successful bidder is an independent contractor, and not an employee or agent. Nothing in this Bid or the contract to be signed shall be interpreted or construed as creating or establishing the relationship of employer and employee between the Stamford Public Schools and the Agency, or any employee or agent of the Agency, or between the Agency and any agent or employee of the Board. Both parties acknowledge that the Agency will not be an employee for federal or state tax purposes.

B. BACKGROUND

SPS serves some 17,000 students in 22 schools, grades Pre K – 12. The district, which encompasses 2,850,000 square feet of space, contains 13 elementary schools. Of the existing 13 elementary schools, 11 include grades K-5, the new school is K-3 and one includes grades K-8; five middle schools with grades 6-8, and three high schools. Included in this mix are five magnet elementary schools, one magnet middle school, two large comprehensive high schools, a magnet technology and engineering high school, and two alternative high school programs.

C. SCOPE OF WORK

The proposed building will be a single story building with no basement. The proposed building will be erected east of the existing storage building. The structure of the building, the fasteners and the insulation has already been purchased by Stamford Public schools, and is currently in storage in Connecticut. The building will be L-shaped and will have a footprint of approximately 2,460 square feet. See **Exhibits A & B** for a complete scope of the project.

D. PLACE OF WORK

Boyle Stadium, 57 Holcomb Ave., Stamford, CT 06902.

E. SUBMISSION OF QUESTIONS

Questions relating to this bid proposal must be submitted **in writing (E-MAIL ONLY)** to the following address **no later than Friday April 15, 2022:**

**Stamford Public Schools
Andrew Glassman
Facility Manager
aglassman@stamfordct.gov**

F. BID SUBMISSION

Four (4) complete sets of the proposal along with one (1) electronic copy (USB Drive) are to be submitted in a sealed envelope and received by the **Purchasing Department, 3rd Floor, by Thursday April 21, 2022 at 2:30 pm**, and listing the following information on the outside of the envelope: **B-4038 | Bidder's name and address | Proposal Due date. No telephone, electronic, or facsimile Bids will be considered.** No Bids will be accepted after this time.

- Send your Bid to the attention of:

**Stamford Public Schools
Attn: 3rd Floor, Purchasing | B-4038 Pre Fab Metal Building
888 Washington Blvd.
Stamford, CT 06901**

Due Date: Bids must be received by 2:30 pm on Thursday April 21, 2022.
Any bid received after the date and time specified shall not be accepted and shall be returned unopened.

The Bid should include:

1. Tax Exempt
The Stamford Public Schools is exempt from the payment of taxes imposed by the Federal Government and/or State of Connecticut. Such taxes must not be included in the bid price.
2. The “Official Response Form/Bid Form” attached must be completed.
3. The “Non-Collusion Affidavit” attached must be completed.
4. The “Contractor’s Statement” attached must be completed.
5. The “Contractor’s Verification” attached must be completed.
6. The “Notice To Bidders”
7. All material submitted in response to this bid will become public record and will be subject to inspection after Intent to Award notice is issued. Any material requested to be treated as proprietary or confidential must be clearly identified and easily separable from the rest of the Bid.
8. A Bid submitted in response to the bid shall constitute a binding offer. The autographic signature of the proposer shall indicate acknowledgement of this condition, or an officer legally authorized to execute contractual obligations. A submission in response to the bid acknowledges acceptance by the Proposer of all terms and conditions including compensation, as set forth herein. An Offeror shall identify clearly and thoroughly any variations between its Bid and the SPS’s bid. Failure to do so shall be deemed a waiver of any rights to subsequently modify the terms of performance, except as outlined in the bid.

***Failure to comply with all submission requirements may result in reduction of 5-10 points off the “Matrix of Qualifications” score. For instance, not submitting an electronic copy (USB Drive).**

B-4038
PRE FAB METAL BUILDING

G. OFFICIAL RESPONSE FORM/BID FORM

Name of Consultant/Vendor _____

Name/Title of Primary contact person _____

Address of Vendor _____

Phone Number of Vendor _____

Contact Person e-mail for follow-up _____

Number of Years' providing similar work: _____ years

List of School/City based references for contracts of a similar nature, including contact names, school district and phone numbers (Contract size can be either # students served or annual dollar amount)

<u>Reference District</u>	<u>Contact Name</u>	<u>Phone Number</u>	<u>E-mail</u>	<u>Contract Size</u>
a) _____	_____	_____	_____	_____
b) _____	_____	_____	_____	_____
c) _____	_____	_____	_____	_____

PRICING STRUCTURE

The undersigned, having familiarized himself with the existing conditions affecting the work and with the Drawings and Addenda, if any thereto, hereby propose to construct and complete the Project listed above, all in accordance therewith for the Lump Sum listed of:

Lump Sum: \$ _____ (Total Lump Sum)

Estimated time of completion after receiving purchasing order:

Acknowledge receipt of Addenda number (s) and date # _____ Date: _____ / _____ / _____

H. NON-COLLUSION AFFIDAVIT

The undersigned, having been duly sworn, affirms and says that to the best of his/her knowledge and belief:

1. The prices in this Bid have been arrived at independently without collusion, consultation, communication, or agreement with any other Proposer or with any competitor for the purpose of restricting competition.
2. Unless otherwise required by law, the prices, which have been quoted in this Bid, have not been knowingly disclosed by the Proposer and will not knowingly be disclosed by the Proposer prior to opening, directly or indirectly, to any other Proposer or to any competitor.
3. No attempt has been made or will be made by the Proposer to induce any other person, partnership or corporation to submit or not to submit a Bid for the purpose of restricting competition.

Name of Proposer: _____

By: _____

Print Name: _____

Title: _____

STATE OF CONNECTICUT
Contractor Verification
(in accordance with Public Act 16-67)

Directions to Contractor: Connecticut law requires that any contractor applying or bidding for a contract (including individuals who are independent contractors) with a local or regional board of education, a governing council of a state or local charter school, or inter-district magnet school operator require any employee with the contractor who would be in a position involving direct student contact to supply the contractor with the information provided in this form. Information may be collected either through a written communication or telephonically.

In addition, pursuant to Connecticut General Statutes (C.G.S.) § 10-222c, the contractor is required to contact – either telephonically or through written communication – any current or former employer of an employee if such employer was a local or regional board of education, a governing council of a state or local charter school, or inter-district magnet school operator or if the employment caused the employee to have contact with children, to request any information concerning whether there was a finding of abuse or neglect or sexual misconduct against the employee. If the contractor receives any information indicating such a finding, or otherwise has knowledge of such a condition, the contractor must immediately forward such information to any local or regional board of education with which the contractor is under contract.

Directions to Employee of Contractor: Pursuant to Connecticut state law, employees of a contractor who would be in a position involving direct student contact must supply all of the information provided in Section 2 of this form.

Section 1 – To be completed by Contractor

Name	
Street address	
City, State, Zip Code	
Contact person	
Telephone number/email address	

Section 2 – To be completed by Employee of Contractor

Part A. On a separate sheet of paper, please list the name, address and telephone number of each current or former employer, if such current or former employer was a local or regional board of education, a governing council of a state or local charter school, or inter-district magnet school operator, or if such employment otherwise caused you to have contact with children.

Part B. Please complete the questions below in their entirety.

Have you ever:

Y N

Been the subject of an abuse or neglect or sexual misconduct investigation by any employer, state agency or municipal police department (answer “no” if the investigation resulted in a finding that all allegations were unsubstantiated)?

Y N

Been disciplined or asked to resign from employment or resigned from or otherwise separated from any employment while an allegation of abuse or neglect was pending or under investigation by the Department of Children and Families (the “department”), or an

allegation of sexual misconduct was pending or under investigation or due to an allegation substantiated pursuant to section 17a-101g of abuse or neglect, or of sexual misconduct or a conviction for abuse or neglect or sexual misconduct?

Y N

Had a professional or occupational license or certificate suspended or revoked or ever surrendered such a license or certificate while an allegation of abuse or neglect was pending or under investigation by the department or an investigation of sexual misconduct was pending or under investigation, or due to an allegation substantiated by the department of abuse or neglect or of sexual misconduct or a conviction for abuse or neglect or sexual misconduct?

Part C – Written Consent and Disclosure Authorization. I hereby authorize the entities I have listed in Section 2 of this form to release to the entity listed in Section 1 of this form the information required to be released by my previous employer pursuant to (C.G.S.) § 10-222c along with any related records. I hereby consent to and authorize disclosure by the State Department of Education of the information requested pursuant to C.G.S. § 10-222c, as amended by Public Act 16-67, and I hereby authorize the release by the State Department of Education of any related records. I further hereby release the above-named employer(s) and the State Department of Education from any and all liability of any kind that may arise from the disclosure or release of records requested pursuant to C.G.S. § 10-222c, as amended by Public Act 16-67.

Signature of Applicant

Date

NOTES:

The terms provided below are currently defined in state law as follows. Please note that statutes may be amended from time to time.

Sexual Misconduct means – “any verbal, nonverbal, written or electronic communication, or any other act directed toward or with a student that is designed to establish a sexual relationship with the student, including a sexual invitation, dating or soliciting a date, engaging in sexual dialog, making sexually suggestive comments, self-disclosure or physical exposure of a sexual or erotic nature and any other sexual, indecent or erotic contact with a student.” Connecticut General Statutes § 10-222c(k).

Abuse or neglect means – “abuse or neglect as described in Section 46b-120, and includes any violation of Sections 53a-70, 53a-70a, 53a-71, 53a-72a, 53a-72b or 53a-73a.” Connecticut General Statutes § 10-222c(k).

The Connecticut State Department of Education is an affirmative action/equal opportunity employer and does not discriminate on the basis of race, color, religion, sex, gender identity or expression, sexual orientation, marital status, national origin, ancestry, age, criminal record, political beliefs, genetic information, intellectual disability, past or present history of mental disability, learning disability, or physical disability, including, but not limited to, blindness or any other basis prohibited by Connecticut state and/or federal nondiscrimination laws.

CONTRACTOR'S STATEMENT

Pursuant to Section 103 .1 of the Stamford Code of Ordinances, I hereby provide the following:

If a joint venture, trustee, partnership, Limited Liability Company or partnership, the names and addresses of all joint venturers, beneficiaries, partners or members:

If a corporation, the names and addresses of all officers and the names and addresses of all parties owning over 10% of its common stock or over 10% of its preferred stock. If any of said stockholders is a holding corporation, the names and addresses of all persons owning a beneficial interest in over 10% of the common or preferred stock of said holding company.

The names and positions of all persons listed hereinabove who are elected or appointed officers or employees of the City of Stamford.

Name of

Bidder/Proposer: _____

Signature of Bidder/Proposer: _____

Title: _____

Company Name: _____

Address: _____

NOTICE TO BIDDERS

1. All bids will be opened promptly at the advertised time of opening. There can and will be no delays or postponements which are not publicly advertised. Any bid received after the advertised time of opening cannot be accepted.

2. Obligation of bidders:

At the time of opening bids, each bidder shall be presumed to have inspected the site, and to have read and made himself thoroughly familiar with the plans and contract documents including all addenda. The failure or omission of any bidder to receive or examine any form, instrument or document shall in no way relieve any bidder from any obligation in respect to his bid.

Each bidder must fully inform himself of the construction and labor conditions relating to the work which is now or will be performed. Failure to do so will not relieve the successful bidder of his obligation to furnish all labor and materials necessary to carry out the provision of the contract documents and to complete the contemplated work.

Inasmuch as possible, the contractor must, in carrying out his work, employ such methods or means as will not cause any interruptions or interference with the work of any other contractor.

3. Stamford Public Schools is an Affirmative Action/Equal Opportunity Employer/purchaser. Small, Minority, Women and Disadvantaged Business Enterprises are encouraged to respond.

**SAMPLE
CORPORATE
RESOLUTION
NEXT PAGE**

(COMPANY LETTERHEAD WITH LOGO HERE)

CORPORATE RESOLUTION

DATE: _____

We, the undersigned, being all the Directors of _____, organized and
(Name of company)
existing under the laws of _____, and having its principal place of business at
(State)

(Company's Address)

hereby certify that the following individuals are representatives of the company who can execute

documents.

Date

Date

Date

CLEAR FORM

PRINT

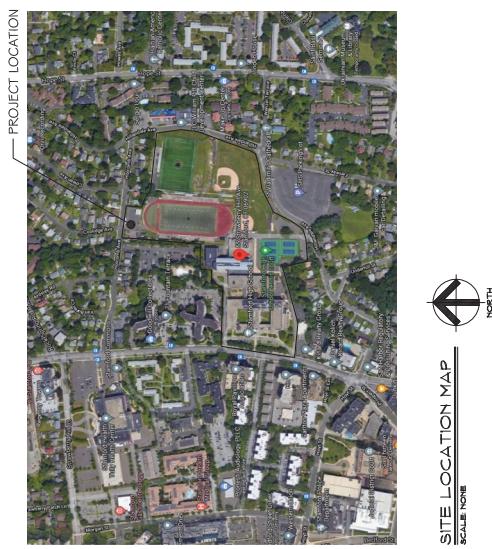
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EXHIBIT A

Stamford Public Schools - Stamford High School

Storage Building

55 Strawberry Hill Avenue
Stamford, Connecticut 06902

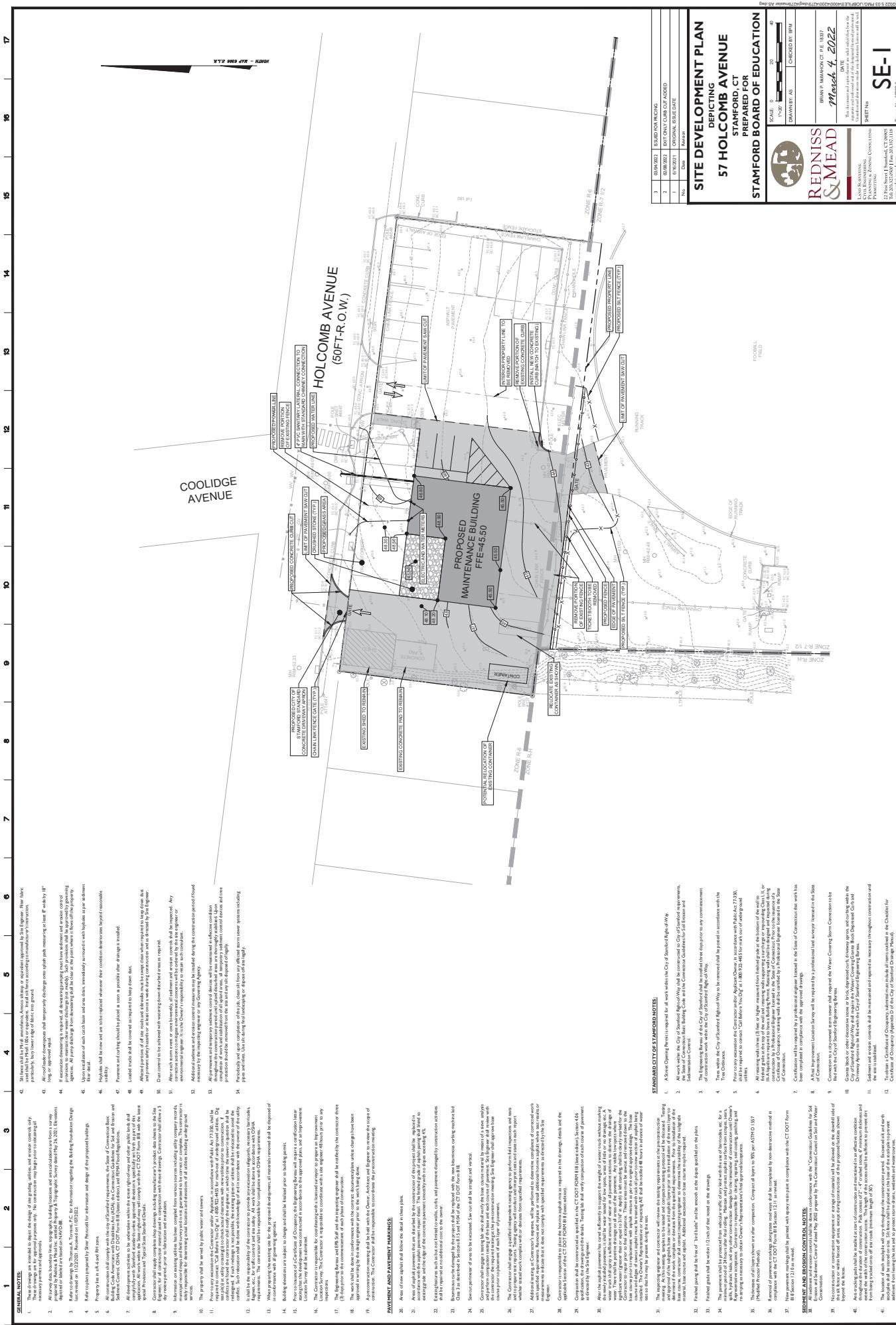


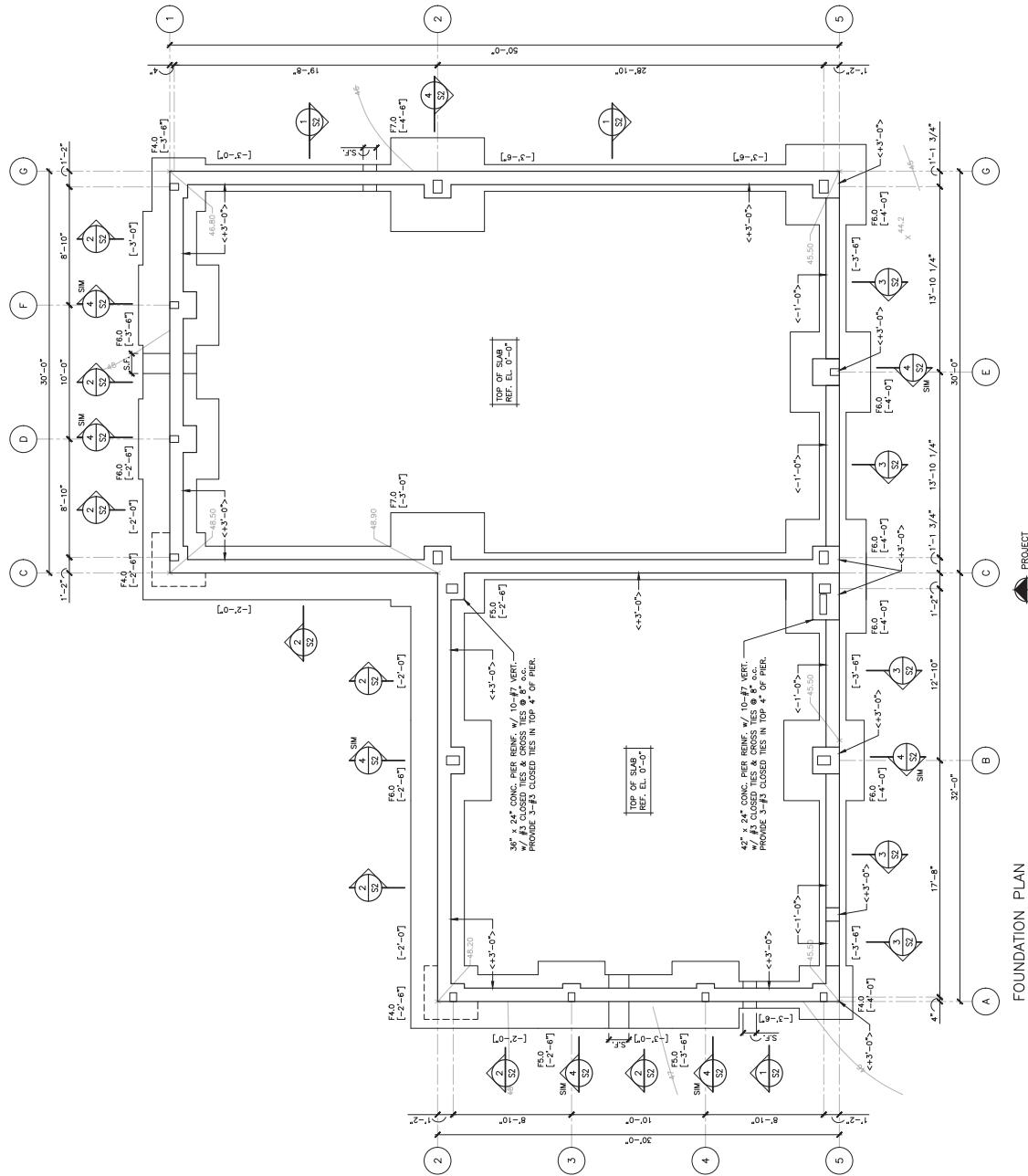
DRAWING LIST	
Sheet No.	Sheet Title
CIVIL	
SC-1	SITE DEVELOPMENT PLAN & NOTES
SC-2	SITE DEVELOPMENT PLAN DETAILS
STRUCTURAL	
5.1	FOUNDATION PLAN
5.2	SECTIONS & STRUCTURAL NOTES
ERCTION DRAWINGS	
ES-2/174	QUADRATIC ERECTION PLAN - BUILDING 1 OF 2 (2 SHEETS)
ES-2/175	QUADRATIC ERECTION PLAN - BUILDING 2 (1 SHEET)
ARCHITECTURAL	
Z-00	FAçADE PLAN & COLOR INFORMATION
A-100	FLOOR PLAN & BUILDING ELEVATIONS
A-101	DOOR SCHEDULE & WINDOW/DOOR DETAILS
PLUMBING	
P-100	PLUMBING PLAN & DETAILS
P-101	PLUMBING SCHEDULE & NOTES
MECHANICAL	
M-00	MECHANICAL PLAN & NOTES
M-200	MECHANICAL SCHEDULES & DETAILS
M-300	MECHANICAL SPECIFICATIONS
ELECTRICAL	
E-100	ELECTRICAL SCHEDULES & NOTES & SCHEDULES
E-101	ELECTRICAL LIGHTING FLOOR PLAN
E-201	ELECTRICAL POWER FLOOR PLAN
E-300	ELECTRICAL ONE-LINE POWER SYSTEM DIAGRAM
E-400	ELECTRICAL SPECIFICATIONS

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February 22, 2022





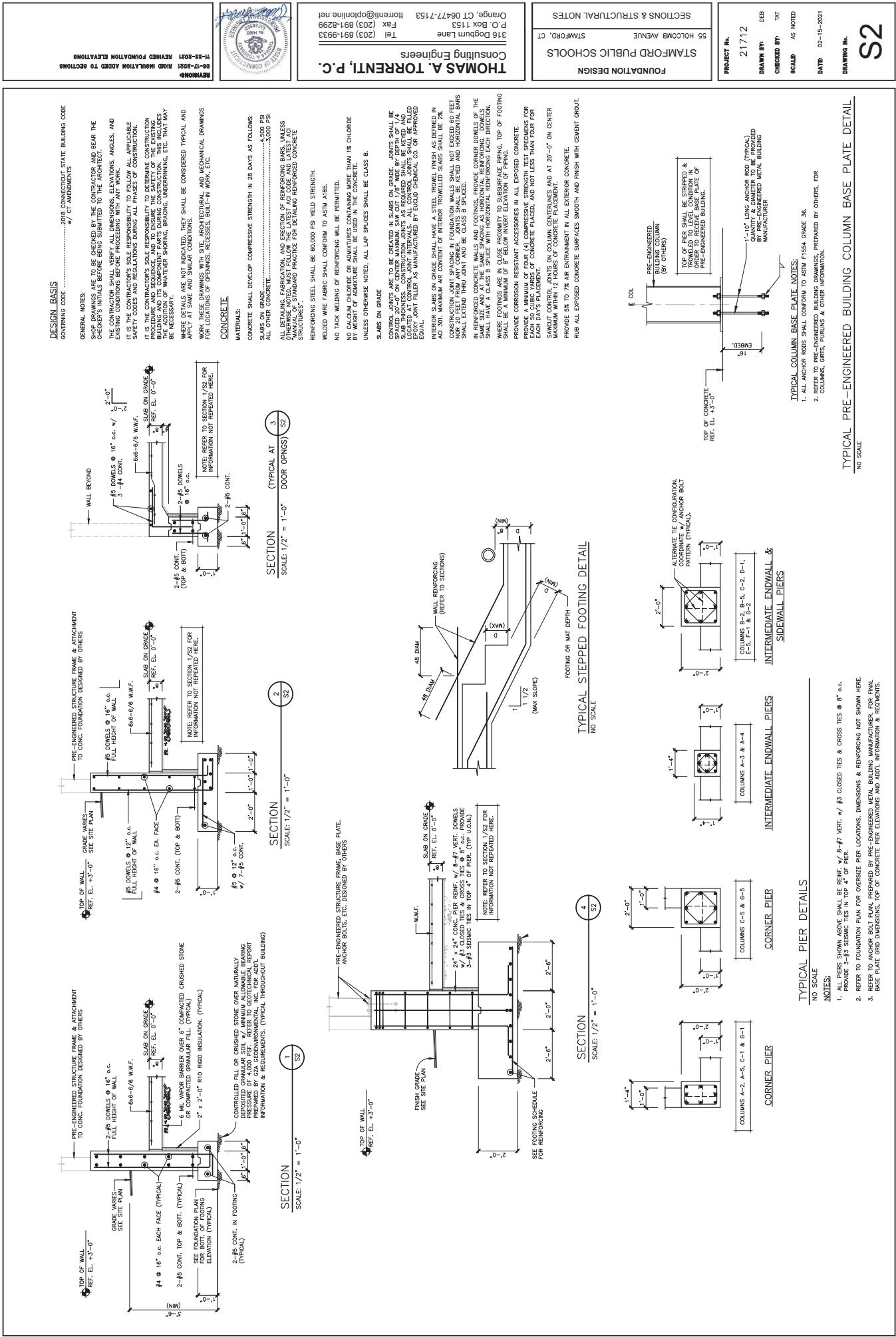
FOUNDATION PLAN

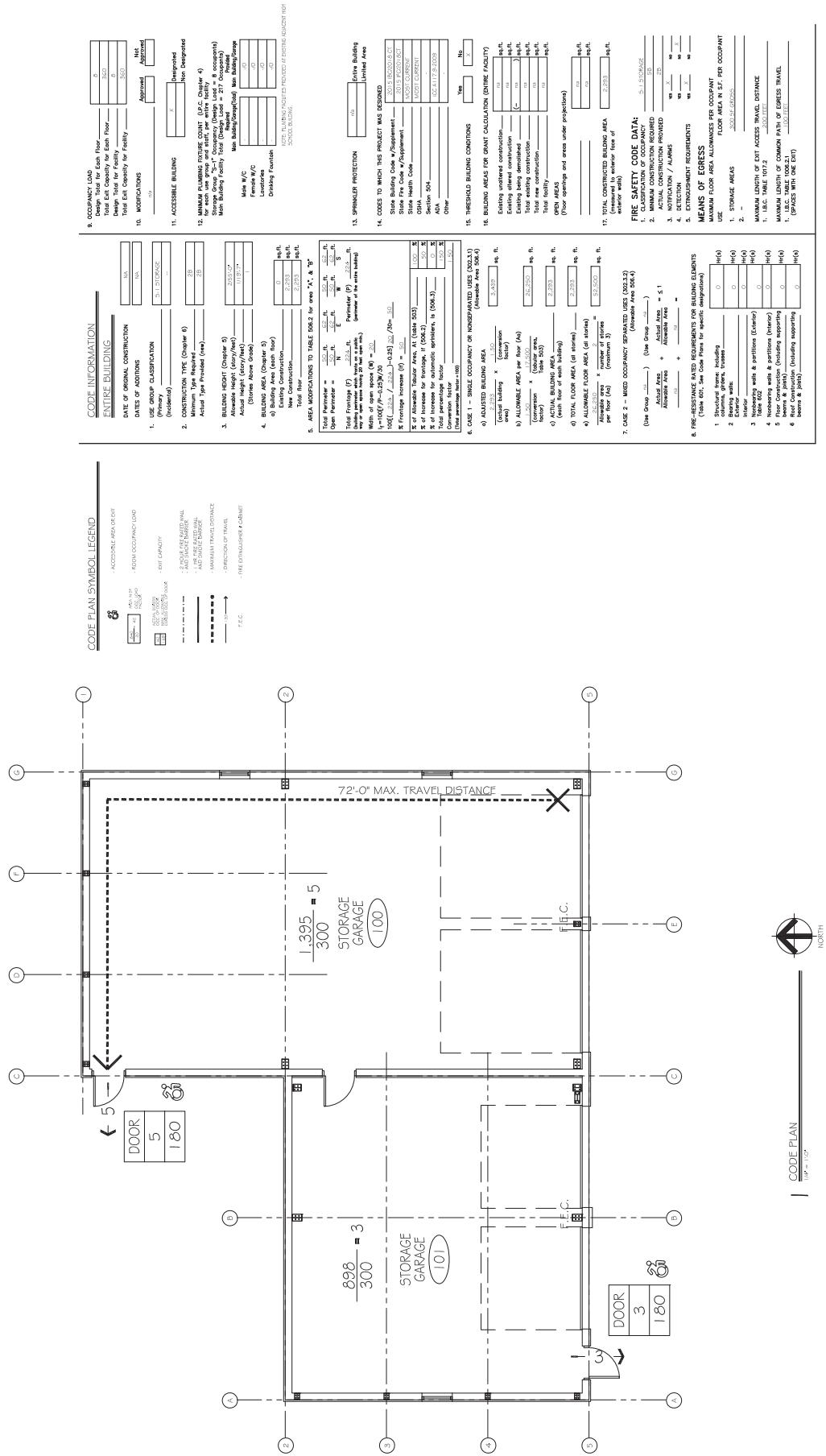
SCALE: 1/4" = 1'-0"

PROJECT NORTH

LEGEND:

FOOTING SCHEDULE	
MARK	SIZE
F5.0	FOOTING MARK (SEE SCHEDULE)
[.....]	EL. TOP OF CONC. WALL
[.....]	EL. BOTTOM OF CONC. FOOTING
S.F.	STEPBED FOOTING
F4.0	4'-0" x 4'-0" x 1'-6" DEEP
F6.0	5'-0" x 5'-0" x 1'-6" DEEP
F8.0	6'-0" x 6'-0" x 1'-6" DEEP
T7.0	7'-0" x 7'-0" x 2'-0" DEEP
	5-#6 EA. WAY
	6-#7 EA. WAY
	7-#7 EA. WAY
	8-#8 EA. WAY



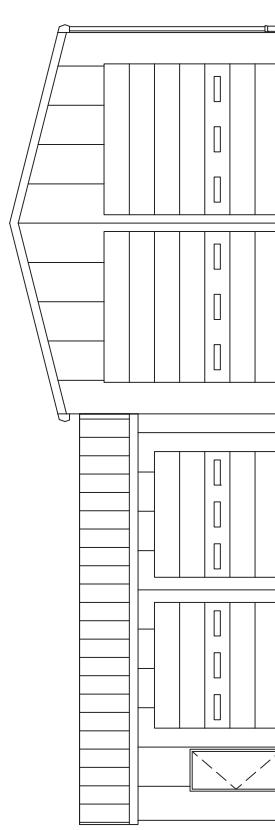


Proposed
Stamford Public Schools
Stamford High School
55 Strawberry Hill Avenue
Stamford, Connecticut 06902

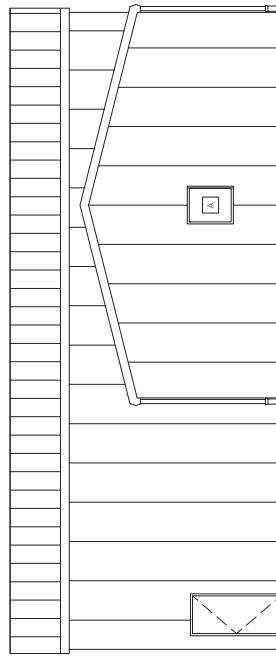
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DRAFTING TIME: Code Plan

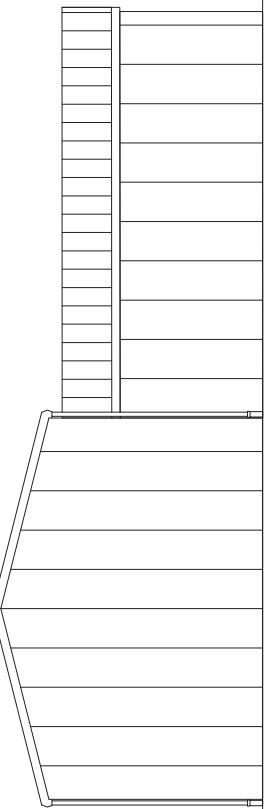
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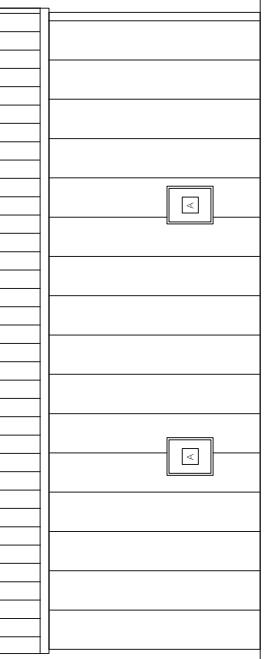
2 BUILDING ELEVATION
 $1/8^{\prime\prime} = 1'-0''$



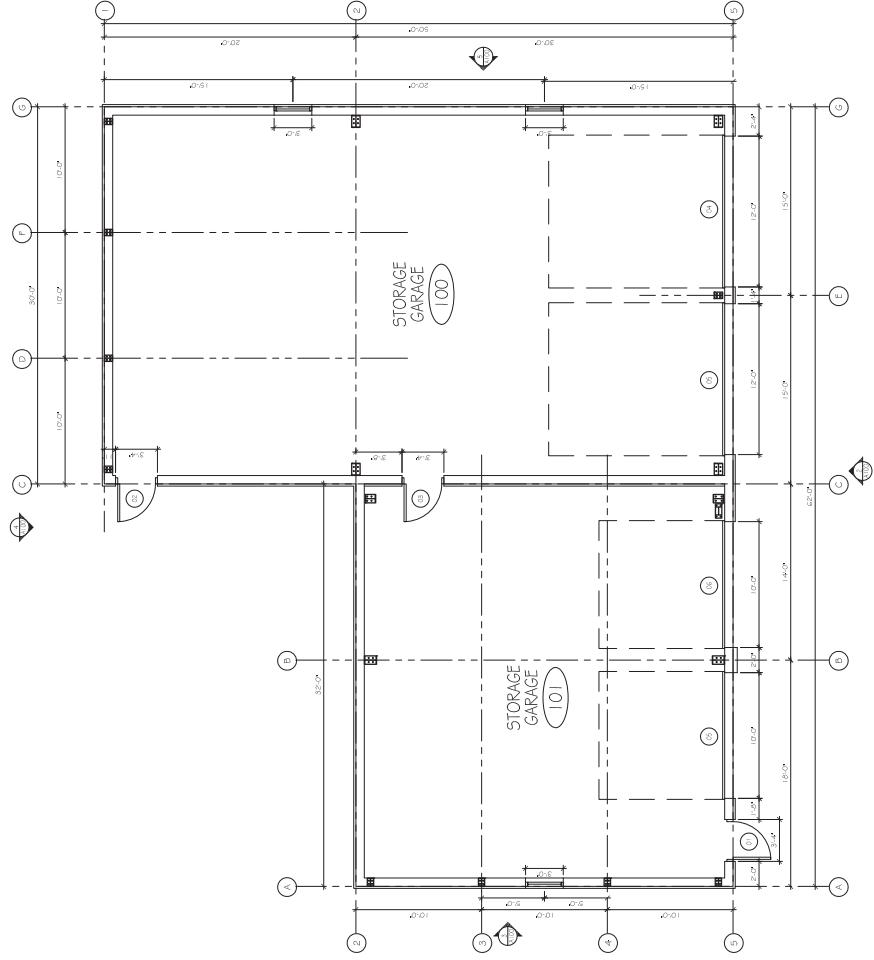
3 BUILDING ELEVATION
 $1/8^{\prime\prime} = 1'-0''$



4 BUILDING ELEVATION
 $1/8^{\prime\prime} = 1'-0''$



5 BUILDING ELEVATION
 $1/8^{\prime\prime} = 1'-0''$

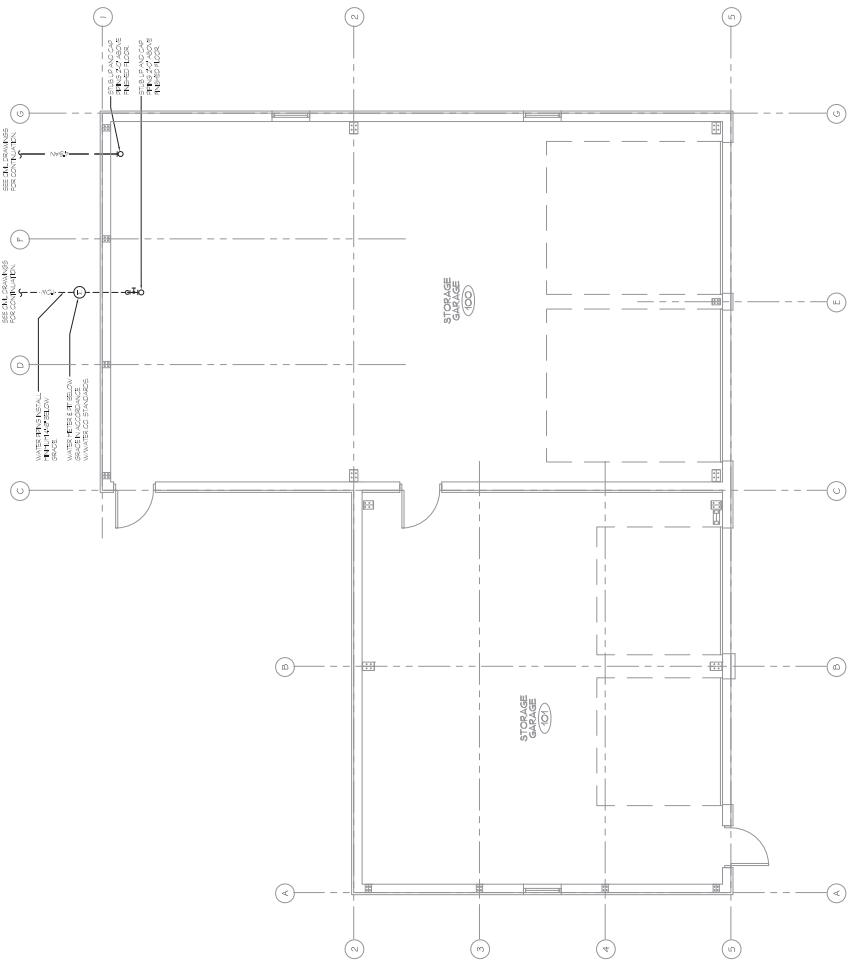


Project Name: Stamford Public Schools
Stamford High School Storage Building
55 Strawberry Hill Avenue
Stamford, Connecticut 06902

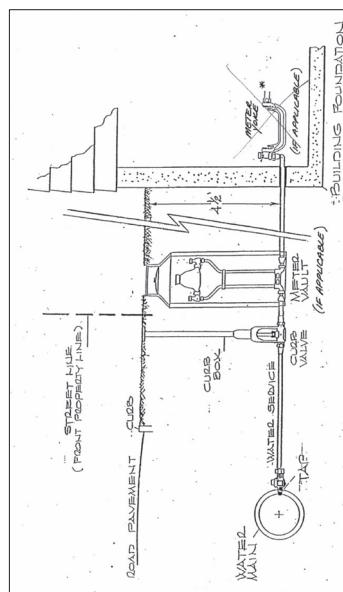


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soft@petruccelli.com

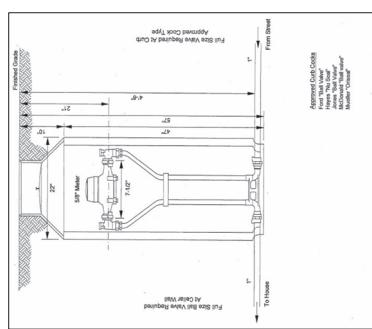
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Drawing Number: A100
Scale: AS-10203
Drawn By: R.P.
Checked By: R.P.
Approved By: R.P.
Date: 2/21/01



WATER SERVICE DETAIL



WATER METER DETAIL 2
100



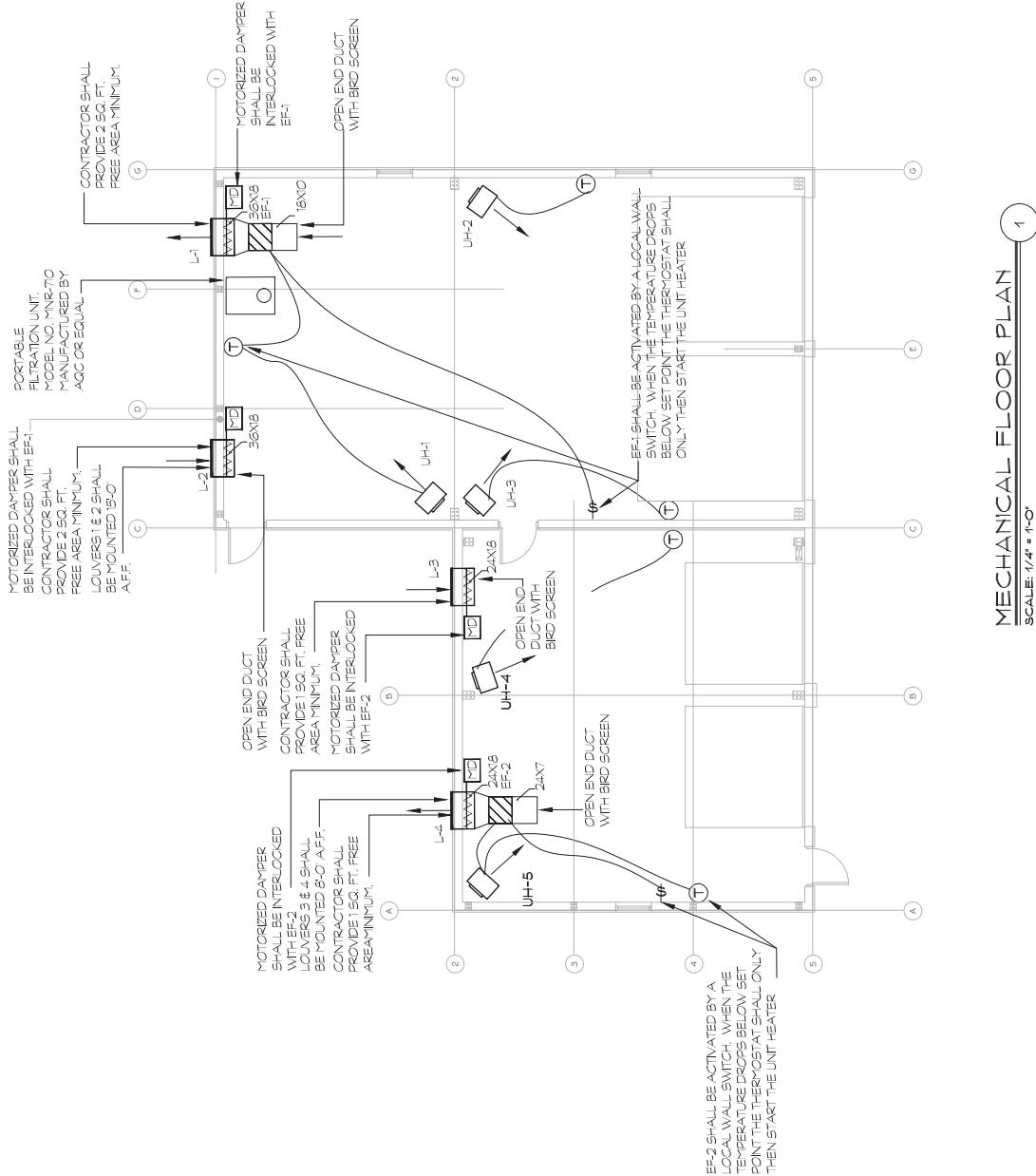
Franklin
Stamford Public Schools
Stamford High School
55 Strawberry Hill Avenue
Stamford, Connecticut 06902

Petrucelli + Associates		Plumbing Plan & Details	
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		AS NOTED	
		JES	
		Printed Name:	
		2024	

GENERAL DESIGN/BUILD PERFORMANCE NOTES:

1. TELUS' FREE CONTROLLED DOCUMENTS ARE CONTROLLED BY A TELECOM PROVIDER AS A TELECOM PROVIDER IS A COMPANY THAT PROVIDES COMMUNICATION SERVICES, SUCH AS TELEPHONE, INTERNET, MOBILE PHONE, AND BROADBAND SERVICES.
 2. RECORDS OF DOCUMENTS ARE CONTROLLED BY A TELECOM PROVIDER AS A TELECOM PROVIDER IS A COMPANY THAT PROVIDES COMMUNICATION SERVICES, SUCH AS TELEPHONE, INTERNET, MOBILE PHONE, AND BROADBAND SERVICES.
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 5. RECORDS OF DOCUMENTS ARE CONTROLLED BY A TELECOM PROVIDER AS A TELECOM PROVIDER IS A COMPANY THAT PROVIDES COMMUNICATION SERVICES, SUCH AS TELEPHONE, INTERNET, MOBILE PHONE, AND BROADBAND SERVICES.
 6. ALL DOCUMENTS ARE CONTROLLED BY A TELECOM PROVIDER AS A TELECOM PROVIDER IS A COMPANY THAT PROVIDES COMMUNICATION SERVICES, SUCH AS TELEPHONE, INTERNET, MOBILE PHONE, AND BROADBAND SERVICES.

GENERAL MECHANICAL NOTES:



MECHANICAL FLOOR PLAN

SCALE: 1/4" = 1'-0"

Stamford Public Schools
Stamford High School Storage Building

Designing Tools
Mechanical Plan & Notes

Dengue, Nov

1/24/ **FEBRUARY 22, 2022** Scenic **AS NOTED** Dawn (b)

1

GENERAL POWER NOTES

1	RECEIVED AND READ AND AGREED WITH BY THE CONTRACT DOCUMENTS.
2	ALL WORKS, SERVICES AND SUPPLIES PROVIDED PURSUANT TO THE CONTRACT DOCUMENTS ARE PROVIDED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
3	REPRESENTATIVE OF THE CONTRACT DOCUMENTS IS THE CONTRACT DOCUMENTS.
4	EXCLUDED FROM THE CONTRACT DOCUMENTS ARE THE EXCLUDED WORKS AND SERVICES.
5	NOTWITHSTANDING ANYTHING TO THE CONTRARY STATED IN THE CONTRACT DOCUMENTS, THE CONTRACT DOCUMENTS ARE NOT A CONTRACT FOR THE SUPPLY OF SERVICES.
6	NOTWITHSTANDING ANYTHING TO THE CONTRARY STATED IN THE CONTRACT DOCUMENTS, THE CONTRACT DOCUMENTS ARE NOT A CONTRACT FOR THE SUPPLY OF WORKS.
7	NOTWITHSTANDING ANYTHING TO THE CONTRARY STATED IN THE CONTRACT DOCUMENTS, THE CONTRACT DOCUMENTS ARE NOT A CONTRACT FOR THE SUPPLY OF SERVICES.
8	ACCORDING TO THE CONTRACT DOCUMENTS, THE CONTRACT DOCUMENTS ARE NOT A CONTRACT FOR THE SUPPLY OF WORKS.
9	CONTRACT DOCUMENTS ARE NOT A CONTRACT FOR THE SUPPLY OF SERVICES.
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34	CONTRACT DOCUMENTS ARE NOT A CONTRACT FOR THE SUPPLY OF WORKS.

ELECTRICAL SYMBOL LEGEND

MECHANICAL EQUIPMENT SCHEDULE

NOTES: **(A) PROVIDE 3/4" LFMC CONDUIT FROM WALL JUNCTION BOX TO UNIT FACTORY DISCONNECT**

**MANUFACTURER /
LAMPS** **LAMP** **COLAR** **COLLECT**

ITEM NO.	DESCRIPTION	MANUFACTURER/ MODEL NUMBER	TYPE	CHN COLOR #	CHN LUMEN	BALAST/ GLOBE TYPE	ELECTRICAL	VOLTAGE	WATTS	LUMENS	NOTES
1A	STAINLESS STEEL, ACROSTYLIC, AND MULTE, WITH COLD ROLLED	LUMI-LED LUMI-LED-100-8-9	LED	80	3000K	DIMMING DRIVER	120	40	4771		
AA	WALL-MOUNTED, FULL LIGHT FIXTURE WITH POLYCARBONATE LENS AND BRONZE	CHIANGMAI CHIANGMAI-100-8-9	LED	80	3000K	DIMMING DRIVER	120	40	4771		
EX	WALL-MOUNTED, ENERGY-EFFICIENT, LED, ROTATABLE, WITH WHITE POLYCARBONATE LENS AND BRONZE	CHIANGMAI CHIANGMAI-100-8-9	LED	80	3000K	DIMMING DRIVER	120	40	4771		
EM	WALL-MOUNTED, ENERGY-SAVING, AND BRIGHT, YOUNG, COAST ALUMINUM WITH A FIGHT DESIGN	CHIANGMAI CHIANGMAI-100-8-9	LED	80	3000K	DIMMING DRIVER	120	11	2000		

① PROVIDE SSL LIGHTING CACR SURFACE MOUNTED COVE. LENGTHS SHALL BE FIELD MEASURED. PROVIDE ALL NECESSARY ACCESSORIES.

Stamford Public Schools
Stamford High School Storage Building

SILVER / PETRUCELLI + ASSOCIATES
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One Post Hill Plaza, New Haven, CT 06510

FIRE ALARM SYSTEM LEGEND

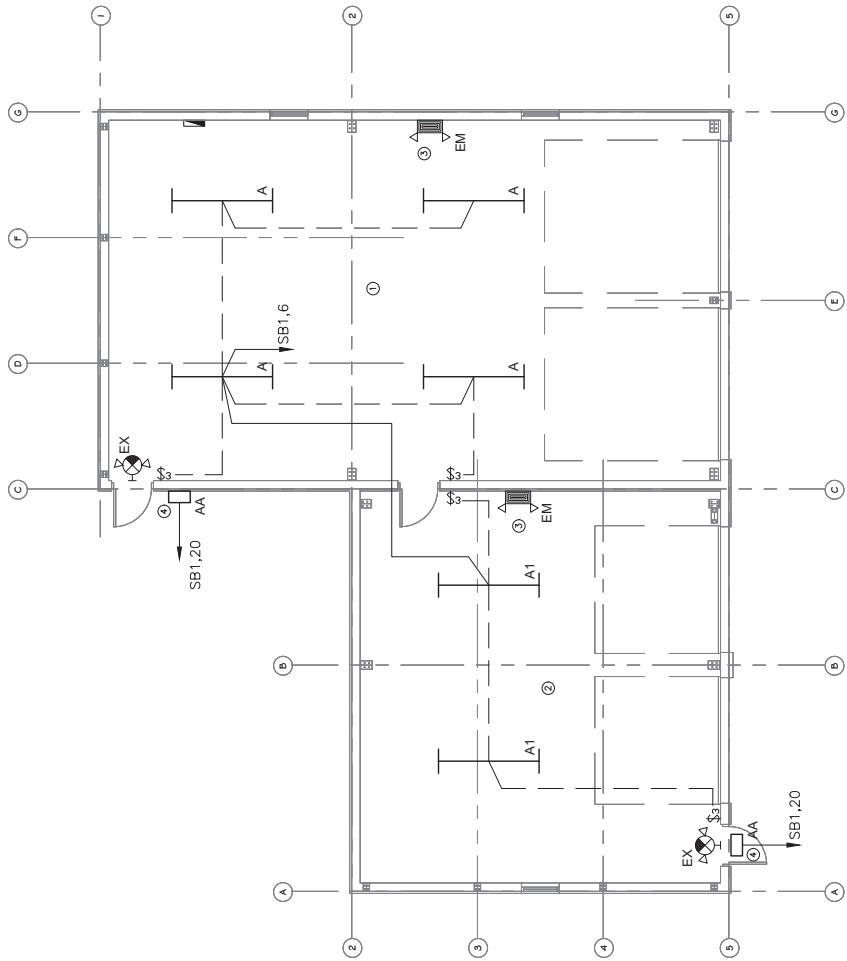
Electrical Symbols,
Notes and Schedule

L *F* *S* *A* *T*
Drawing 710c

Electrical Symbols, Notes and Schedule

ELECTRICAL LIGHTING KEYNOTES

- ① LIGHT FIXTURES IN THIS ROOM ARE SHALL BE MOUNTED AT 15'-6" AFF. REFER TO LIGHTING FIXTURE SCHEDULE ON DRAWING E100 FOR ADDITIONAL FIXTURE INFORMATION.
- ② LIGHT FIXTURES IN THIS ROOM ARE SHALL BE MOUNTED AT 15'-0" AFF. REFER TO LIGHTING FIXTURE SCHEDULE ON DRAWING E100 FOR ADDITIONAL FIXTURE INFORMATION.
- ③ EMERGENCY LIGHT SHALL BE LOCATED ON PULLUP COORDINATE EXACT LOCATION COORDINATE IN FIELD WITH OWNER. REFER TO LIGHTING FIXTURE SCHEDULE ON DRAWING E100 FOR ADDITIONAL FIXTURE INFORMATION.
- ④ EXTERIOR LIGHTS SHALL BE WIRED ON THE SAME CIRCUIT. REFER TO LIGHTING FIXTURE SCHEDULE ON DRAWING E100 FOR ADDITIONAL FIXTURE INFORMATION.



ELECTRICAL LIGHTING FLOOR PLAN
SCALE: 1/4" = 1'-0"
NORTH

1
E101

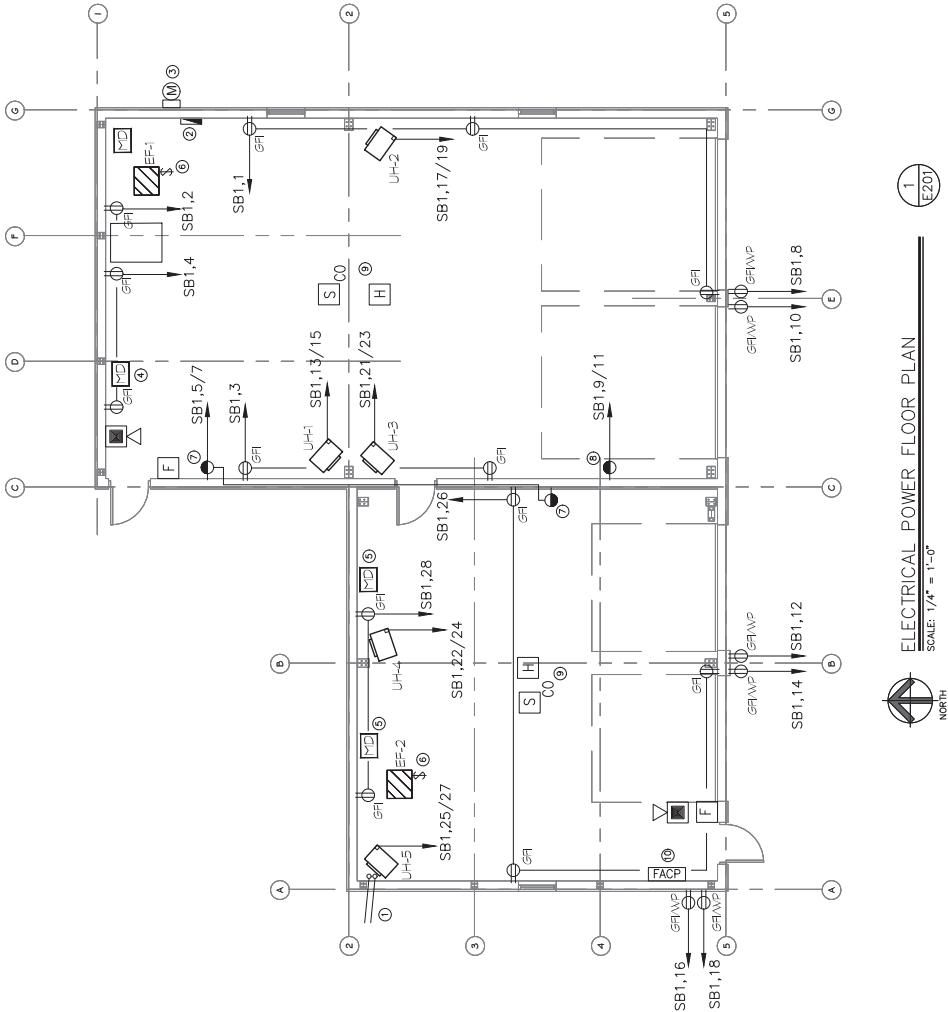
Project No.: Stamford Public Schools
Stamford High School Storage Building
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Architects Engineers Interior Designers
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One Post Hill Place, New London, CT 06320
Tel. 203.269.9007 Fax. 203.220.8247
silverpetrucelli.com

Drawing No.: E101
Date: February 22, 2022
Scale: AS NEEDED
Drawing No.: 1
Title: Electrical Lighting
Floor Plan

ELECTRICAL POWER KEYNOTES

- ① PROVIDE TWO 12" INCH CONDUITS SCHEDULE 40 PVC FROM STORAGE BUILDING TO HIGH SCHOOL BUILDING.
- ② PROVIDE ONE 12" INCH CONDUIT SCHEDULE 40 PVC FROM HIGH SCHOOL BUILDING TO HIGH SCHOOL STOREROOM. REFER TO DRAWING E201 FOR DETAILED INFORMATION.
- ③ NEW 240/120V 14.4W 72" X 16" PANEL, "S10", TO BE MOUNTED AN 4'X12' X 2' X 2" WOOD BACKBOARD PAINTED WITH TWO COATS OF SEMI GLOSS PAINT. BACKBOARD SHALL BE MOUNTED TO WALL FRAMING. REFER TO PANEL SCHEDULE ON DRAWING E300 FOR ADDITIONAL INFORMATION.
- ④ PROVIDE ONE 12" INCH CONDUIT SCHEDULE 40 PVC FROM HIGH SCHOOL BUILDING TO HIGH SCHOOL STOREROOM. REFER TO DRAWING E201 FOR DETAILED INFORMATION.
- ⑤ MOTORIZED DAMPERS SHALL BE INTERLOCKED WITH EXHAUST FAN EF-1.
- ⑥ PROVIDE 260 VAC TWIN POLE TOGGLE SWITCH DISCONNECT FOR EXHAUST FAN EF-1, COORDINATE MOUNTING LOCATION WITH FAN.
- ⑦ PROVIDE 40A OUTLET FOR 240V AIR COMPRESSOR. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION. ONLY ONE LOCATION WILL BE USED AT ANY ONE TIME.
- ⑧ PROVIDE OUTLET FOR PORTABLE GENERATOR AT THE LOCATION SHOWN.
- ⑨ HEAT DETECTOR AND CO DETECTOR SHALL BE MOUNTED AT PEAK OF ROOF.
- ⑩ FIRE ALARM CONTROL PANEL, COORDINATE LOCATION WITH OWNER. CONTROL PANEL SHALL HAVE INTERNAL CELLULAR DIALER TO COMMUNICATE WITH FA SYSTEM IN HIGH SCHOOL. REFER TO FIRE ALARM SPECIFICATIONS ON DRAWING E40 FOR ADDITIONAL INFORMATION.

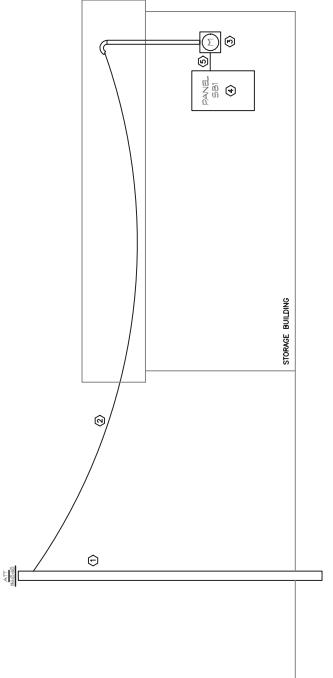


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Stamford High School Storage Building
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Drawing No.: E201
Electrical Power Floor Plan

Date: FEBRUARY 22, 2022
Scale: AS NOTED
Drawing No.: E201
1 Drawing No.: E201



ELECTRICAL ONE-LINE POWER RISER DIAGRAM

ONE-LINE BISECTING DIAGRAM NOTES

104

1. ALL VALUES BASED ON COPPER CONDUCTORS.
 2. LEADS, WIRE TO MANTIN, MAXIMUM OF 2% VOLTAGE DROP.
 3. BRIDGE WIRE TO MANTIN, MAXIMUM OF 3% VOLTAGE DROP.
 4. NUMBER OF WIRES SHALL BE DETERMINED WITH EQUIPMENT ELECTRICAL NAMEPLATE CHARACTERISTICS.
 5. WHERE NEUTRALS ARE REQUIRED, IT SHALL MATCH FEEDER CONDUCTOR SIZE.

CONDUCTOR AND CONDUIT SIZING TABLE, 10			
NOTE	CIRCUIT BREAKER	CONDUCTOR (THHN/THWN)	COND. SIZE
(D)	20/25 AMP	3 #12 & 1 #12 GND	5/4"
(E)	20/25 AMP	3 #10 & 1 #10 GND	5/4"
(F)	40/50 AMP	3 #8 & 1 #10 GND	5/4"
(G)	60 AMP	3 #6 & 1 #10 GND	1"
(H)	70/80 AMP	3 #4 & 1 #8 GND	1"
(I)	90/100 AMP	3 #3 & 1 #6 GND	1 1/4"
(J)	120 AMP	3 #2 1/2 & #6 GND	1 1/2"
(K)	150 AMP	3 #2 1/2 & #6 GND	1 1/2"
(L)	200 AMP	3 #10 & #6 GND	2"
(M)	225 AMP	3 #8 & #6 GND	2"
(N)	250 AMP	3 #6 3/0 & #6 GND	2 1/2"
(O)	300 AMP	3 #5 1/0 & #6 GND	2 1/2"
(P)	400 AMP	3 #4 1/0 & #6 GND	3"

ELECTRICAL ONE-LINE POWER RISER DIAGRAM

1

Stamford Public Schools
Stamford High School Storage Building
5 E. Stamford Avenue
Stamford, CT 06902-1500

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Electrical One-Line Power Riser Diagram

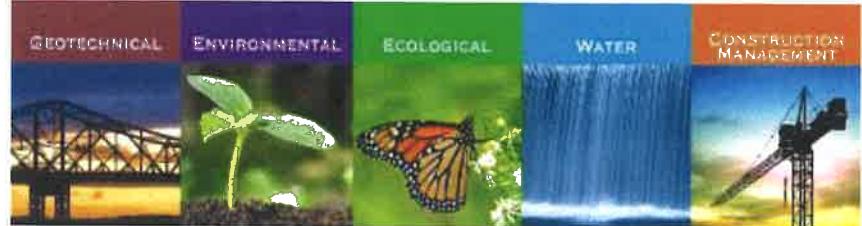
E300

EXHIBIT B



Fiber
Togn
Shaw

Proactive by Design



Geotechnical Engineering Report

PROPOSED POLE BARN BUILDING 55 HOLCOMB AVENUE STAMFORD, CONNECTICUT

March 24, 2017
05.0045994.00



PREPARED FOR:
Board of Education Facilities Department
Stamford, Connecticut

GZA GeoEnvironmental, Inc.

35 Nutmeg Drive, Suite 325 | Trumbull, CT 06611
203-380-8188

28 Offices Nationwide
www.gza.com

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March 24, 2017
55 Holcomb Avenue
05.0045994.00
TOC / i

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FIGURES

- FIGURE 1 EXPLORATION LOCATION PLAN
FIGURE 2 PROPOSED BUILDING FOOTPRINT PLAN

APPENDICES

- APPENDIX A LIMITATIONS
APPENDIX B TEST BORING LOGS



March 24, 2017
55 Holcomb Avenue
05.0045994.00
Page / 1

1.0 INTRODUCTION

1.1 GENERAL

This report presents the results of GZA GeoEnvironmental, Inc.'s (GZA) subsurface investigation for the proposed pole barn building at 55 Holcomb Avenue in Stamford, Connecticut. GZA's services were conducted in accordance with our contract for services dated February 23, 2017. This report is subject to the Limitations presented in Appendix A.

1.2 SITE

The site is bordered by Holcomb Avenue to the north, a residential property to the east, the Stamford High School track and football field to the south, and a parking lot to the west. Currently, the site is developed as a paved asphalt parking lot that is used for maintenance vehicles and equipment for the facilities department. A small storage building is located at the northwest corner of the project area. A chain link fence surrounds a portion of the project area that separates the maintenance parking area from other parking areas.

1.3 PROPOSED DEVELOPMENT

The proposed building will be a single story building with no basement. It is our understanding that the proposed building will be erected east of the existing storage building. The proposed building will be L-shaped and will have a footprint of approximately 2,460 square feet. We understand that the building orientation has not been decided. The building footprint plan provided by you is attached as Figure 2.

1.4 SCOPE OF STUDY

This study was conducted in general accordance with our proposal dated February 23, 2016. This study analyzes subsurface information to determine the physical properties and characteristics of subsurface materials and evaluates this information for the purpose of establishing geotechnical design criteria.

Specifically, conclusions and recommendations are presented regarding the following:

1. Foundation type, including allowable bearing pressure.
2. Slabs-on-grade.
3. Groundwater.
4. Lateral earth pressure for design of walls below grade.
5. Site Class and potential for soil liquefaction.
6. Other subsurface conditions that may affect design or construction of the structure.

This report has been prepared for the exclusive use of Board of Education Facilities Department for specific application to the proposed pole barn building at 55 Holcomb Avenue in Stamford, Connecticut, in accordance with generally accepted geotechnical engineering practices in this area. In the event that the nature, design or location of the proposed construction changes, the conclusions and recommendations in this report may no longer be valid.



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2.0 GEOTECHNICAL INVESTIGATION

2.1 TEST BORINGS

On March 6, 2017, four test borings (B-1 through B-4) were drilled by Hardiman Company & Associates, Inc., Shelton, Connecticut at the locations shown on the attached Figure 1. The explorations were monitored and logged by GZA personnel. The test boring logs are provided in Appendix A.

The test borings were advanced with $2\frac{1}{4}$ inch I.D. hollow-stem augers that provided cased holes from which samples could be extracted. Samples were taken with a $1\frac{3}{8}$ inch I.D. split-spoon sampler driven (normally) 24 inches into the ground with a 140 lb. hammer falling 30 inches. Blows per 6 inches on the sampler were recorded. The foregoing constitutes a standard penetration test from which relative density and other soil characteristics can be estimated.

The explorations were located by taping from existing site features. Surface elevations were obtained with a survey level. A catch basin located on Holcomb Avenue was used as a benchmark. It is shown on Figure 1. The site datum was not provided and the benchmark location was set to elevation 0 feet. Surface elevations are listed on the logs.

2.2 WATER LEVEL READINGS

Water level readings were taken at the times indicated on the boring logs located in Appendix B. The water level readings were taken when water was encountered or after the test boring was completed. It should be noted that future water levels will vary due to seasonal and climatic fluctuations, changes caused by construction and stabilization time.

3.0 SUBSURFACE CONDITIONS

The explorations provide a generalized subsurface profile consisting, in descending order, of: asphalt, fill with organic inclusions, naturally deposited granular soils, and bedrock. Glacial till was encountered in one of the testing borings. Asphalt was encountered to approximately 3 inches below existing grades. Fill was encountered below the asphalt and extended to depths between 6 and 11.5 feet below existing grades, or elevation between -6 feet and -13.1 feet. The fill generally consisted of sand with varying amounts of silt and gravel. Varying amounts of debris consisting of wood, ash, and organic soils were also encountered in the fill. The relative density of the fill ranged from loose to dense.

Naturally deposited granular soil was encountered below the fill to depths between 15.5 and 20.8 feet below existing grades, or elevations between -16.3 feet and -23.1 feet. A two-inch thick organic silt layer was encountered in test boring B-3 in the naturally deposited granular soils at a depth from 10.5 feet to 10.7 feet below existing grades. The naturally deposited granular soil consisted of medium dense to very dense sand and silt, sand and gravel, and sand. Test boring B-4 encountered auger refusal in the sand and gravel at a depth of 20 feet below existing grades, or elevation -21.3 feet.

Glacial till was encountered in test boring B-1 below the naturally deposited granular soil to a split-spoon refusal depth of 19 feet below existing grade, or elevation -19.8 feet. The till consisted of very dense silty sand with gravel. Decomposed rock was encountered in test borings B-2 and B-3 to split-spoon refusal depths between 20.9 feet and 22 feet, or elevations between -22 and -23.5 feet. Auger or split-spoon refusal was encountered in all test borings. Refusal is likely on bedrock, but may be on boulders. The subsurface conditions are only known at the boring locations and may vary between borings.



3.1 GROUNDWATER

At the time test borings were performed, groundwater was encountered in all test boring at depths between 4 and 5.5 feet below existing grades, or elevations between -4.8 feet and El. -8.1 feet.

4.0 **EVALUATION**

4.1 GENERAL

The existing fill is not suitable for support of foundations or slabs-on-grade. Construction debris from demolition activities is also considered unsuitable material. These unsuitable materials must be removed and replaced below the building with controlled fill or crushed stone. Alternatively, helical piles could be installed to support the building and slabs.

Controlled fill is herein defined as an inorganic, well-graded granular material with a maximum size of 4", 25% to 70% passing the #4 sieve and less than 10% by weight passing the #200 sieve. Free draining fill is the same as controlled fill except that it should have less than 5% passing the #200 sieve. Controlled and free draining fill is placed and compacted in 8- to 10-inch-thick lifts, with each lift tested to verify that densities of at least 95% of the maximum density, as determined by ASTM D 1557, have been achieved.

4.2 FOUNDATIONS

Remove unsuitable soils from the entire footprint of the proposed building and replace with controlled fill. The removal of these unsuitable materials must extend laterally beyond the outside edge of exterior footings for a distance equal to the thickness of fill to be placed under the footing. Strategically placed sumps should be able to control the groundwater. In areas where the excavation extends below groundwater, a layer of filter fabric and crushed stone should be placed before placing crushed stone or controlled fill.

Spread footings bearing on controlled fill or crushed stone underlain by naturally deposited granular soil can be proportioned on the basis of an allowable bearing pressure of 4,000 psf. The minimum footing width is 2.5 feet for rectangular footings and 2 feet for continuous footings. All footings exposed to frost must be embedded at least 3.5 feet.

As an alternate, the proposed pole barn building could be supported on helical pile foundations that bear in the dense sand below the organic silt. A suitable helical pile is the Type SS Pile manufactured by A. B. Chance Co. or equivalent. The lead section should consist of a Type SS175 square shaft with a triple helix configuration of 8/10/12. All Type SS materials should be hot-dipped galvanized in accordance with ASTM A 153. The working load on the Type SS175 should not exceed 25 kips. Include an allowance of 3 kips for downdrag in the working pile load. Final design should include lateral load and uplift capacity, if present. The loading conditions were not provided. All pile caps exposed to frost must be embedded a minimum of 3.5 feet below existing grade.

4.3 FLOOR SLABS

Suitable subgrades for slabs-on-grade include controlled fill and naturally deposited inorganic soils. In areas where it is not economical to remove all existing fill, grade slabs should be designed as structural slabs supported by grade beams and piles. A vapor barrier and a minimum of 6 inches of base course ($\frac{3}{4}$ " crushed stone) should be placed beneath all interior slabs-on-grade.



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Controlled fill is defined as inorganic, well-graded granular soil with a maximum size of 4", 25% to 70% passing the #4 sieve and less than 10% by weight passing the #200 sieve. It should be placed and compacted in 8- to 10-inch-thick lifts, with each lift tested to verify that densities of at least 95% of the maximum density, as determined by ASTM D 1557, have been achieved.

4.4 LATERAL EARTH PRESSURES

Restrained foundation walls should be designed on the basis of lateral soil pressures equivalent to a fluid pressure of 55 psf per foot of depth plus a uniform pressure equal to one half of any surcharge. Unrestrained retaining walls may be designed on the basis of lateral soil pressures equivalent to a fluid pressure of 35 psf per foot of depth plus a uniform pressure equal to one third of any surcharge. These values of lateral earth pressure are based on a free draining backfill being used and footing drains installed. Free draining fill is the same as controlled fill except that it should have less than 5% passing the #200 sieve. The on-site soils are not suitable for reuse as free draining backfill. For cast in place concrete and masonry walls, a friction factor of 0.3 can be used to determine the sliding resistance at the base.

4.5 SEISMIC

The on-site soils are not susceptible to liquefaction during the IBC design earthquake. In accordance with IBC 2012, the site may be classified at Site Class D. The 2016 Connecticut State Building Code indicates the site's design response spectra be constructed using the following coefficients:

$$S_S = 0.249g \quad S_1 = 0.069g$$

where:

- S_S is the spectral acceleration coefficient at 0.2-sec period
- S_1 is the spectral acceleration coefficient at 1.0-sec period

5.0 CONSTRUCTION TESTING AND OBSERVATION

GZA should observe and document key geotechnical components of construction, and provide ongoing geotechnical consulting during construction. We recommend that GZA be retained to provide observation and services during these operations in order to mitigate potential delays to the project schedule. Our involvement during construction will: 1) allow evaluation of actual conditions exposed during excavation; and 2) allow for a prompt response should unanticipated conditions be encountered.

6.0 STANDARD OF CARE

GZA prepared this report on behalf of, and for the exclusive use of the Board of Education Facilities Department for the stated purpose and location identified in Section 1.0. GZA acknowledges and agrees that the Report may be conveyed to the design team associated with the proximate development, design and construction of the Site to the extent set forth in our proposal. Use of this report, in whole or in part, at other locations, or for other purposes, may lead to inappropriate conclusions; and we do not accept any responsibility for the consequences of such use. Further, reliance by any party not identified in the agreement, for any use, without our prior written permission, shall be at that party's sole risk, and without any liability to GZA.



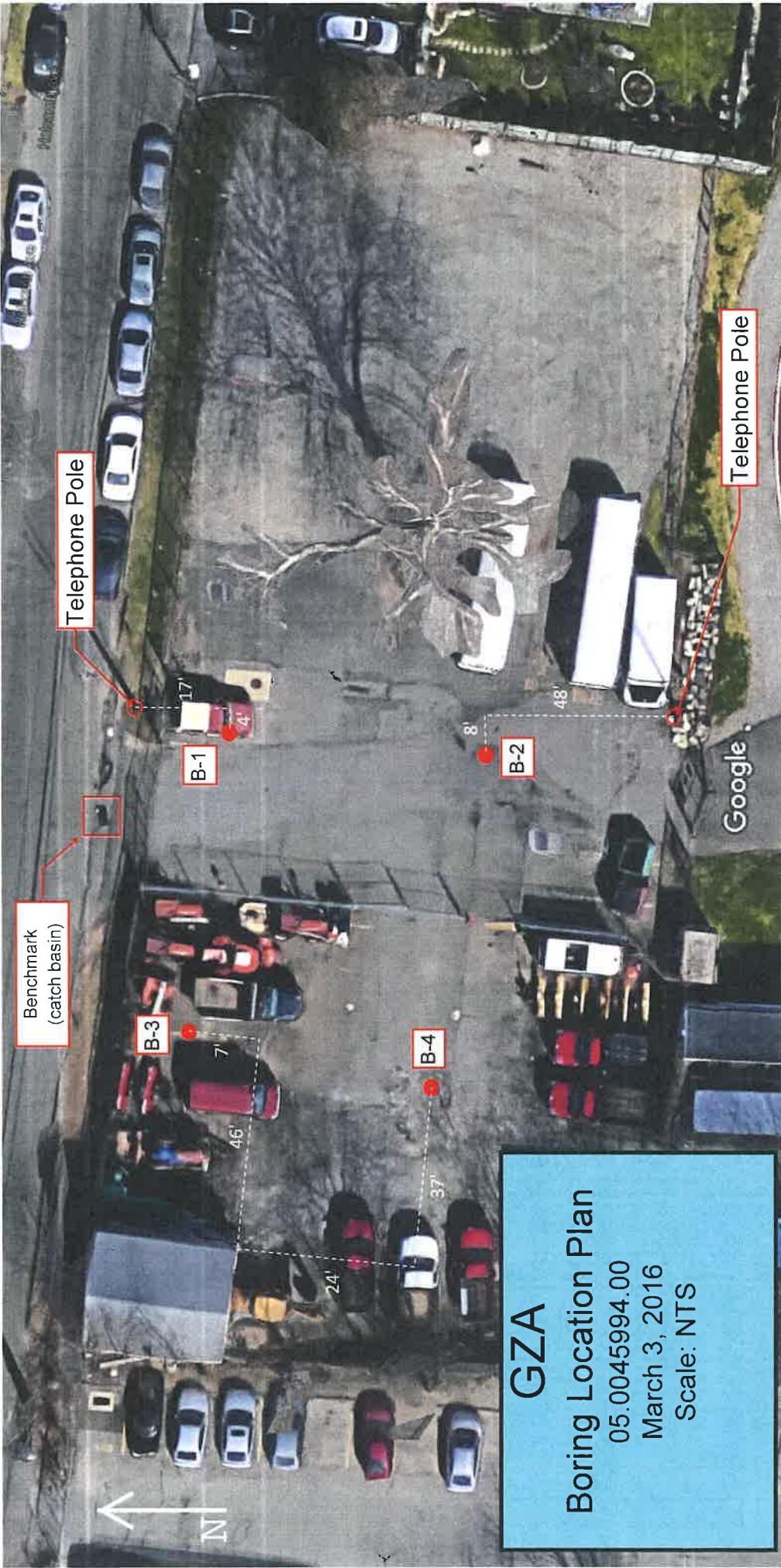
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Our findings and conclusions are based on the work conducted as part of the Scope of Services set forth in Section 1.0, and reflect our professional judgment. These findings and conclusions must be considered not as scientific or engineering certainties, but rather as our professional opinions concerning the limited data gathered during the course of our work. Limitations which may affect our opinions and findings are included in Appendix A.

Our services were performed using the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services, at the same time, under similar conditions, at the same or a similar property. This Standard of Care and the Limitations set forth in Appendix A apply to both this Report and associated work products. No warranty, express or implied, is made.



Figures



Legend

● Indicates borings performed by Hardiman Co. & Associates
GZ-1 on March 6, 2017 and observed by GZA personnel.

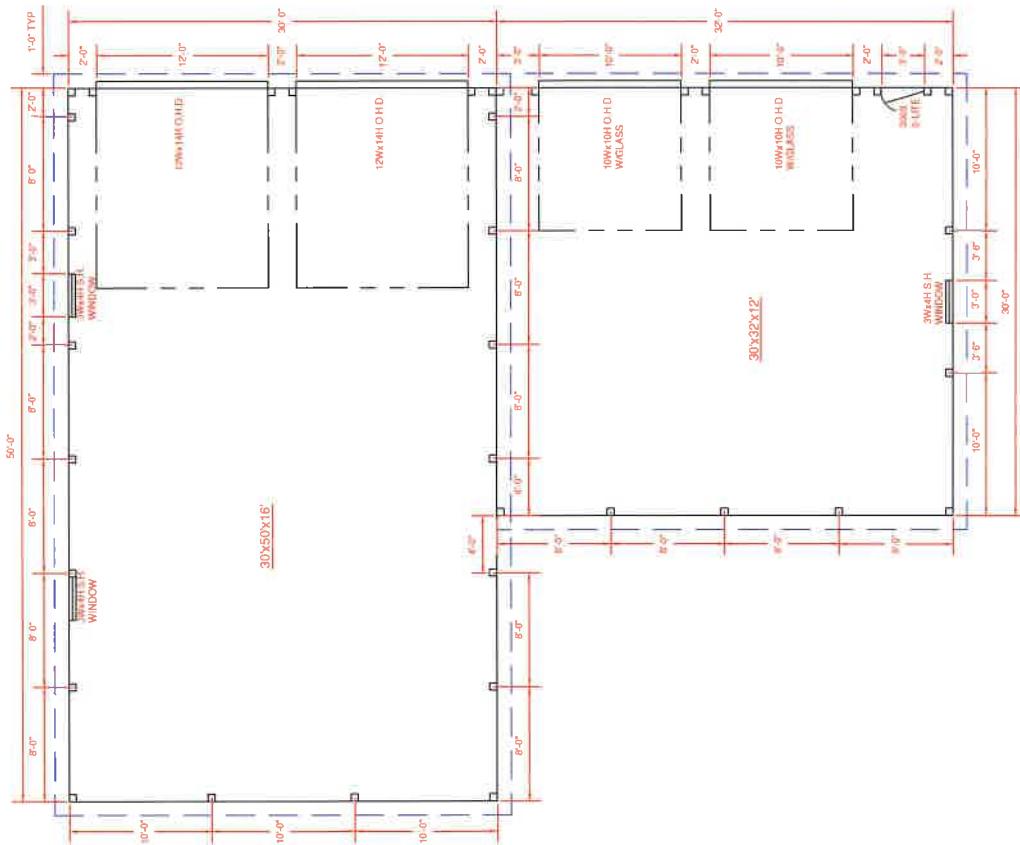
General Notes

1. Base map developed from google maps.
2. The location of the explorations were approximately determined by tape measurements from existing site features, by GZA personnel.
3. See exploration logs in Appendix B for additional information.

Imagery ©2017 Google, Map data ©2017 Google

QUOTE # PQS-103278-005

GZA
Figure 2
Proposed Building Plan
05.0045994.00
March 3, 2016
Scale: NTS



PPB, Inc. Pioneer Pole Buildings, Inc. 716 South Rt. 183 Schuylkill Haven, PA 17972 1-888-448-2505 Toll Free	<u>JOB SITE ADDRESS:</u> SAME	<u>CUSTOMER ADDRESS:</u> James A. Kappenstein, P.E. 500 Lizard Creek Ave., #1015 Westmont, IL 60559 (708) 385-4414 FAX: (708) 385-4415 E-mail: jkappenstein@optonline.net	<u>DATE:</u> 1-30-17 <u>SP/EE:</u> [Signature] <u>POLE PLAN:</u> <u>BUILDING SIZE:</u> 30X50X16'-4" <u>OWNER:</u> [Signature] <u>HEIDI KLOCK</u> <u>Job Number:</u> STAMFORD-1 <u>CHECKED BY:</u> [Signature]
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Appendix A – Limitations



USE OF REPORT

1. GZA GeoEnvironmental, Inc. (GZA) prepared this report on behalf of, and for the exclusive use of our Client for the stated purpose(s) and location(s) identified in the Proposal for Services and/or Report. Use of this report, in whole or in part, at other locations, or for other purposes, may lead to inappropriate conclusions; and we do not accept any responsibility for the consequences of such use(s). Further, reliance by any party not expressly identified in the contract documents, for any use, without our prior written permission, shall be at that party's sole risk, and without any liability to GZA.

STANDARD OF CARE

2. GZA's findings and conclusions are based on the work conducted as part of the Scope of Services set forth in Proposal for Services and/or Report, and reflect our professional judgment. These findings and conclusions must be considered not as scientific or engineering certainties, but rather as our professional opinions concerning the limited data gathered during the course of our work. If conditions other than those described in this report are found at the subject location(s), or the design has been altered in any way, GZA shall be so notified and afforded the opportunity to revise the report, as appropriate, to reflect the unanticipated changed conditions.
3. GZA's services were performed using the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services, at the same time, under similar conditions, at the same or a similar property. No warranty, expressed or implied, is made.
4. In conducting our work, GZA relied upon certain information made available by public agencies, Client and/or others. GZA did not attempt to independently verify the accuracy or completeness of that information. Inconsistencies in this information which we have noted, if any, are discussed in the Report.

SUBSURFACE CONDITIONS

5. The generalized soil profile(s) provided in our Report are based on widely-spaced subsurface explorations and are intended only to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and were based on our assessment of subsurface conditions. The composition of strata, and the transitions between strata, may be more variable and more complex than indicated. For more specific information on soil conditions at a specific location refer to the exploration logs. The nature and extent of variations between these explorations may not become evident until further exploration or construction. If variations or other latent conditions then become evident, it will be necessary to reevaluate the conclusions and recommendations of this report.
6. In preparing this report, GZA relied on certain information provided by the Client, state and local officials, and other parties referenced therein which were made available to GZA at the time of our evaluation. GZA did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this evaluation.
7. Water level readings have been made in test holes (as described in this Report) and monitoring wells at the specified times and under the stated conditions. These data have been reviewed and interpretations have been made in this Report. Fluctuations in the level of the groundwater however occur due to temporal or spatial variations in areal recharge rates, soil heterogeneities, the presence of subsurface utilities, and/or natural or artificially induced perturbations. The water table encountered in the course of the work may differ from that indicated in the Report.
8. GZA's services did not include an assessment of the presence of oil or hazardous materials at the property. Consequently, we did not consider the potential impacts (if any) that contaminants in soil or groundwater may have on construction activities, or the use of structures on the property.



9. Recommendations for foundation drainage, waterproofing, and moisture control address the conventional geotechnical engineering aspects of seepage control. These recommendations may not preclude an environment that allows the infestation of mold or other biological pollutants.

COMPLIANCE WITH CODES AND REGULATIONS

10. We used reasonable care in identifying and interpreting applicable codes and regulations. These codes and regulations are subject to various, and possibly contradictory, interpretations. Compliance with codes and regulations by other parties is beyond our control.

COST ESTIMATES

11. Unless otherwise stated, our cost estimates are only for comparative and general planning purposes. These estimates may involve approximate quantity evaluations. Note that these quantity estimates are not intended to be sufficiently accurate to develop construction bids, or to predict the actual cost of work addressed in this Report. Further, since we have no control over either when the work will take place or the labor and material costs required to plan and execute the anticipated work, our cost estimates were made by relying on our experience, the experience of others, and other sources of readily available information. Actual costs may vary over time and could be significantly more, or less, than stated in the Report.

ADDITIONAL SERVICES

12. GZA recommends that we be retained to provide services during any future: site observations, design, implementation activities, construction and/or property development/redevelopment. This will allow us the opportunity to: i) observe conditions and compliance with our design concepts and opinions; ii) allow for changes in the event that conditions are other than anticipated; iii) provide modifications to our design; and iv) assess the consequences of changes in technologies and/or regulations.



Appendix B – Test Boring Logs

LOG KEY



GZA
Geo Environmental, Inc.
Engineers and Scientists

BURMISTER SOIL CLASSIFICATION

COMPONENT	NAME	PROPORTIONAL PERCENT BY TERM		Material	IDENTIFICATION OF FINES		
		WEIGHT	TERM		PI	Atterberg Thread Dia.	
MAJOR	GRAVEL, SAND, FINES*	>50		SILT	0	Cannot Roll	
Minor	Gravel, Sand, Fines*	and some little trace	35-50 20-35 10-20 0-10	Clayey SILT SILT & CLAY CLAY & SILT Silty CLAY CLAY	1-5 5-10 10-20 20-40 >40	1/4" 1/8" 1/16" 1/32" 1/64"	
*See identification of fines table.		Sieve Size		Description			
		Passing #200 #200 - #40 #40 - #10 #10 - #4 #4 - 3/4" 3/4" - 3" 3" - 6" >6"		Silts & Clays Fine Sand Medium Sand Coarse Sand Fine Gravel Coarse Gravel Cobbles Boulders			
GRADATION DESIGNATION		PROPORTION OF COMPONENT		PLASTIC SOILS		GRAVEL & SAND	
				Consistency	Blows/Ft. SPT N-Value	Density	Blows/Ft. SPT N-Value
Fine to coarse	All fractions > 10%	Very Soft	< 2	Very Loose	< 4		
Medium to coarse	<10% fine	Soft	2 - 4	Loose	4 - 10		
Fine to medium	<10% coarse	Medium Stiff	4 - 8	Medium Dense	10 - 30		
Coarse	<10% fine and medium	Stiff	8 - 15	Dense	30 - 50		
Medium	<10% coarse and fine	Very Stiff	15 - 30	Very Dense	> 50		
Fine	<10% coarse and medium	Hard	>30				

UNIFIED SOIL CLASSIFICATION SYSTEM (USCS) (ASTM D 2487)

MAJOR DIVISIONS			Group Symbols
Coarse Grained Soils	Gravel	Clean Gravels	GW
More than 50% of material larger than No. 200 sieve.	More than 50% larger than No. 4 sieve.	(Little or no fines)	GP
Gravels with Fines (Appreciable amount of fines)			GM
Sand	More than 50% smaller than No. 4 sieve.	Clean Sands (Little or no fines)	GC
Sands with Fines (Appreciable amount of fines)			SW
			SP
Fine Grained Soils		Silts and Clays Liquid Limit <50	SM
More than 50% of material smaller than No. 200 sieve.			SC
Silts and Clays Liquid Limit >50			ML
Highly Organic Soils			CL
			OL
			MH
			CH
			OH
			Pt

ORGANIC SOIL CLASSIFICATION

Fibrous PEAT (Pt) - Lightweight, spongy, mostly visible organic matter, water squeezes readily from sample. Typically near top of deposit.
 Fine Grained PEAT (Pt) - Lightweight, spongy, little visible organic matter, water squeezes readily from sample. Typically below fibrous peat.
 Organic Silt (OL) - Typically gray to dark gray, often has strong H2S odor. Typically contains shells or shell fragments. Lightweight. Usually found near coastal regions. May contain wide range of sand fractions.
 Organic Clay (OH) - Typically gray to dark gray, high plasticity. Usually found near coastal regions. May contain wide range of sand fractions. Need organic content test for final identification.

ABBREVIATIONS

MR = Mud Rotary	Tv = Field Vane Shear Test (Torvane) Shear Strength
HSA = Hollow Stem Auger	PP = Pocket Penetrometer Shear Strength
SSA = Solid Stem Auger	PI = Plasticity Index
SS = Split Spoon Sampler	Wn = Moisture Content
U = Undisturbed Sample (Shelby Tube)	CO = Consolidation
MC = Modified California Sampler	UC = Unconfined Compression Test
V = Vibracore	UU = Unconsolidated Undrained (Triaxial) Test
M = Macrocore	SI = Sieve Analysis
USCS = Unified Soil Classification System (ASTM D2487)	DS = Direct Shear
NYCBC = New York City Building Code	PID = Photoionization Detector
WOR = Weight of Rods	ppm = Parts Per Million
WOH= Weight of Hammer	REC = Recovery
SPT = Standard Penetration Test (ASTM D1586)	RQD = Rock Quality Designation
N-Value = Cumulative number of uncorrected blows for the middle two six-inch intervals (blows/foot).	= Measured Water Level

TEST BORING LOG																
 GZA GeoEnvironmental, Inc. Engineers and Scientists					55 Holcomb Avenue Stamford, Connecticut				EXPLORATION NO.: B-1 SHEET: 1 of 1 PROJECT NO: 05.0045994.01 REVIEWED BY: P. Waters							
Logged By: J. Bedoya Drilling Co.: Hardiman Co. & Associates, Inc. Foreman: T. Hardiman					Type of Rig: Mobile Rig Model: B-50 Drilling Method: HSA		Boring Location: See Plan Ground Surface Elev. (ft.): -0.8 Final Boring Depth (ft.): 19 Date Start - Finish: 3/6/2017 - 3/6/2017				H. Datum: Project V. Datum: Project					
Hammer Type: Cathead and Safety Rope Hammer Weight (lb.): 140 Hammer Fall (in.): 30 Auger or Casing O.D./I.D Dia (in.): 2 1/4"					Sampler Type: SS Sampler O.D. (in.): 2.0 Sampler Length (in.): 30 Core Barrel Size: N/A		Groundwater Depth (ft.)									
							Date	Time	Water Depth	Stab. Time						
		3/6/17	1022	8.5	10 min											
		3/6/17	1145	4.0	93 min											
Depth (ft)	Casing Blows/ Core Rate	Sample					Sample Description and Identification (Modified Burmister Procedure)				Remark	Field Test Data	STRATUM Depth (ft.)	STRATUM Description	Elev (ft.)	
		No.	Depth (ft.)	Pen. (in)	Rec. (in)	Blows (per 6 in.)	SPT Value									
		SS-1	0.5-2.5	24	4	6 21 14 3	35	SS-1 : Dense, brown, fine to coarse SAND, some Gravel, some Silt (Fill)						-0.25	ASPHALT	-1.1
		SS-2	3-5	24	15	3 2 2 5	4	SS-2 : Loose, brown, fine to coarse SAND and SILT, some Ash (Fill)							FILL WITH ORGANIC INCLUSIONS	
		SS-3	5-7	24	22	2 3 4 8	7	SS-3 : Top 10": Brown, fine to coarse SAND and SILT (Organics) Bottom 12": Grey, brown, fine SAND and SILT						6		-6.8
		SS-4	7-9	24	18	8 14 14 15	28	SS-4 : Medium dense, brown, grey, fine to coarse SAND and SILT, trace fine Gravel								
		SS-5	10-12	24	18	6 9 17 13	26	SS-5 : Medium dense, brown, fine to coarse SAND and SILT, little fine to coarse Gravel (Wet)							SAND AND SILT	
		SS-6	15-17	24	16	13 27 29 34	56	SS-6 : Very dense, olive brown, fine to coarse SAND, some Silt, little fine Gravel (Till)						15.5		-16.3
		SS-7	19-19	0	0	0/50"		SS-7 : No Penetration End of exploration at 19 feet below grade.				1		19		-19.8
1 - Auger and Split Spoon refusal at 19 feet below ground surface																
REMARKS																
Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual.													Exploration No.: B-1			

TEST BORING LOG														
 GZA GeoEnvironmental, Inc. Engineers and Scientists					55 Holcomb Avenue Stamford, Connecticut				EXPLORATION NO.: B-2 SHEET: 1 of 1 PROJECT NO.: 05.0045994.01 REVIEWED BY: P. Waters					
Logged By: J. Bedoya Drilling Co.: Hardiman Co. & Associates, Inc. Foreman: T. Hardiman					Type of Rig: Mobile Rig Model: B-50 Drilling Method: HSA		Boring Location: See Plan Ground Surface Elev. (ft.): -2.6 Final Boring Depth (ft.): 20.9 Date Start - Finish: 3/6/2017 - 3/6/2017			H. Datum: Project V. Datum: Project				
Hammer Type: Cathead and Safety Rope Hammer Weight (lb.): 140 Hammer Fall (in.): 30 Auger or Casing O.D./I.D Dia (in.): 2 1/4"					Sampler Type: SS Sampler O.D. (in.): 2.0 Sampler Length (in.): 30 Core Barrel Size: N/A		Groundwater Depth (ft.)							
							Date	Time	Water Depth	Stab. Time				
							3/6/17	1350	5.5	115 min				
Depth (ft)	Casing Blows/ Core Rate	Sample					Sample Description and Identification (Modified Burmister Procedure)			Remark	Field Test Data	STRATUM Description	Depth (ft) Elev. (ft)	
		No.	Depth (ft.)	Pen. (in)	Rec. (in)	Blows (per 6 in.)								SPT Value
5	SS-1	0.5- 2.5	24	14	3 5 5 6	10	SS-1 : Medium dense, black, brown, fine to coarse SAND and SILT, little fine Gravel (Fill) (Organic)					-0.25	ASPHALT	-2.9
	SS-2	2.5- 4.5	24	16	3 5 7 4	12	SS-2 : Medium dense, brown, fine to coarse SAND and SILT, trace fine Gravel, trace Wood (Fill)							
	SS-3	5-7	24	12	5 5 8 7	13	SS-3 : Medium dense, grey, fine SAND and ORGANIC SILT							
	SS-4	7-9	24	12	6 6 5 8	11	SS-4 : Medium dense, Brown, fine SAND and SILT, trace Roots (Organic)							
	SS-5	10-12	24	14	2 10 11 14	21	SS-5 : Top 9": Brown, fine SAND and SILT, trace Roots (Organic) Bottom 5": Brown, fine to coarse SAND and ORGANIC SILT, little fine to coarse Gravel							
	SS-6	15-17	24	20	27 79 22 19	R	SS-6 : Very dense, brown, fine SAND and SILT, little fine Gravel (Wet)							
	SS-7	20- 20.9	11	11	48 100/5"		SS-7 : Top 5": Brown, fine SAND and SILT (Wet) Bottom 6": Grey, fine SAND and GRAVEL, little Silt (Possible Decomposed Rock)							
						End of exploration at 20.9 feet below grade.								
1 - Auger refusal at 20.9 feet below ground surface														
Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual.												Exploration No.: B-2		

TEST BORING LOG												
 GZA GeoEnvironmental, Inc. Engineers and Scientists					55 Holcomb Avenue Stamford, Connecticut				EXPLORATION NO.: B-3 SHEET: 1 of 1 PROJECT NO: 05.0045994.01 REVIEWED BY: P. Waters			
Logged By: J. Bedoya Drilling Co.: Hardiman Co. & Associates, Inc. Foreman: T. Hardiman					Type of Rig: Mobile Rig Model: B-50 Drilling Method: HSA		Boring Location: See Plan Ground Surface Elev. (ft.): 0 Final Boring Depth (ft.): 22 Date Start - Finish: 3/6/2017 - 3/6/2017			H. Datum: Project V. Datum: Project		
Hammer Type: Cathead and Safety Rope Hammer Weight (lb.): 140 Hammer Fall (in.): 30 Auger or Casing O.D./I.D Dia (in.): 2 1/4"					Sampler Type: SS Sampler O.D. (in.): 2.0 Sampler Length (in.): 30 Core Barrel Size: N/A			Groundwater Depth (ft.)				
								Date	Time	Water Depth	Stab. Time	
		3/6/17	1445	4.9	55 min							
Depth (ft)	Casing Blows/ Core Rate	Sample					Sample Description and Identification (Modified Burmister Procedure)			Remark	Field Test Data	STRATUM Depth (ft.) Description
		No.	Depth (ft.)	Pen. (in)	Rec. (in)	Blows (per 6 in.)						
5	SS-1	0.5-2.5	24	15	3 3 3 4	6	SS-1 : Loose, brown, fine to coarse SAND, some Silt, trace fine Gravel (Fill)			1		-0.25 - ASPHALT - 0.3
	SS-2	2.5-4.5	24	11	4 2 3 5	5	SS-2 : Loose, brown, fine to coarse SAND, some Silt, trace fine Gravel (Fill)					
	SS-3	5-7	24	16	3 3 4 5	7	SS-3 : Top 4": Brown, fine SAND and ORGANIC SILT, trace Roots (Organic)					
	SS-4	7-9	24	15	7 8 8 13	16	Bottom 12": Brown, grey, mottled, fine SAND and SILT SS-4 : Medium dense, brown, grey, mottled, fine SAND and SILT					
	SS-5	10-12	24	12	6 5 8 12	13	SS-5 : Top 4": Brown, grey, mottled fine SAND and SILT Middle 2": Brown, fine SAND and SILT (Organic) Bottom 6": Brown, grey, mottled, fine SAND and SILT					
	SS-6	15-17	24	24	12 14 11 12	25	SS-6 : Medium dense, brown, fine to coarse SAND, little fine Gravel, trace Silt (Wet)					
	SS-7	20-21.3	15	15	22 44 100/3"		SS-7 : Top 10": Brown, fine to coarse SAND, little fine Gravel, trace Silt (Wet) Bottom 5": Grey, fine to coarse GRAVEL and SAND, little Silt (Possible Decomposed Rock)					
						End of exploration at 22 feet below grade.			3			
REMARKS	1 - Gravel/Cobbles at 9 feet 2 - Cobbles at 19 feet 3 - Auger refusal at 22 feet below ground surface											
Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual.											Exploration No.: B-3	

TEST BORING LOG													
 GZA GeoEnvironmental, Inc. <i>Engineers and Scientists</i>					55 Holcomb Avenue Stamford, Connecticut				EXPLORATION NO.: B-4 SHEET: 1 of 1 PROJECT NO.: 05.0045994.01 REVIEWED BY: P. Waters				
Logged By: J. Bedoya Drilling Co.: Hardiman Co. & Associates, Inc. Foreman: T. Hardiman				Type of Rig: Mobile Rig Model: B-50 Drilling Method: HSA			Boring Location: See Plan Ground Surface Elev. (ft.): -1.3 Final Boring Depth (ft.): 20 Date Start - Finish: 3/6/2017 - 3/6/2017				H. Datum: Project V. Datum: Project		
Hammer Type: Cathead and Safety Rope Hammer Weight (lb.): 140 Hammer Fall (in.): 30 Auger or Casing O.D./I.D Dia (in.): 2 1/4"				Sampler Type: SS Sampler O.D. (in.): 2.0 Sampler Length (in.): 30 Core Barrel Size: N/A			Groundwater Depth (ft.)						
							Date	Time	Water Depth	Stab. Time			
							3/6/17	1515	5.8	27 min			
Depth (ft)	Casing Blows/ Core Rate	Sample					Sample Description and Identification (Modified Burmister Procedure)				Field Test Data	STRATUM Description Depth (ft.) Elev. (ft.)	
		No.	Depth (ft.)	Pen. (in)	Rec. (in)	Blows (per 6 in.)	SPT Value						
5	SS-1	0.5-2.5	24	10	6 4 2 3	6	SS-1 : Loose, brown, black, fine to coarse SAND and SILT, little fine to coarse Gravel (Fill) (Organics in Tip)					-0.25 - ASPHALT - 1.6	
	SS-2	2.5-4.5	24	11	2 2 4 3	6	SS-2 : Loose, black, fine to coarse SAND and SILT, little Wood (Organic)						
	SS-3	5-7	24	15	16 9 5 6	14	SS-3 : Top 6": Black, brown, fine to coarse SAND and SILT, trace fine to coarse Gravel (Organic) Bottom 9": Olive brown, mottled, fine SAND and SILT					FILL WITH ORGANIC INCLUSIONS	
	SS-4	7-9	24	18	8 6 8 9	14	SS-4 : Medium dense, grey, brown, fine SAND and SILT, trace Fibers						
	SS-5	10-12	24	24	3 1 2 13	3	SS-5 : Very loose, grey, brown, fine SAND and SILT, trace Roots (light brown, fine to coarse SAND and fine to coarse GRAVEL, trace Silt in tip)					11.5 - - - - - 12.8	
	SS-6	15-17	24	12	10 22 29 27	51	SS-6 : Very dense, brown, fine to coarse SAND, little fine Gravel, little Silt					15 - - - - - 16.3	
	SS-7	20-20	0	0	50/0"		SS-7 : No Penetration End of exploration at 20 feet below grade.					20 - - - - - 21.3	
REMARKS 1 - Auger and Split Spoon refusal at 20 feet below ground surface													
Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual.										Exploration No.: B-4			