

SECTION 009111
ADDENDUM NUMBER 1

PARTICULARS

- 1.1 DATE: December 7, 2021
- 1.2 PROJECT: Orangetown Town Hall Addition and Alterations
- 1.3 Owner: Town of Orangetown
- 1.4 Architect: Lothrop Associates LLP Architects

TO: ALL HOLDERS OF BID DOCUMENTS:

- 2.1 THIS ADDENDUM FORMS A PART OF THE CONTRACT DOCUMENTS AND MODIFIES THE Original Bid DOCUMENTS DATED November 9, 2021, WITH AMENDMENTS AND ADDITIONS NOTED BELOW.
- 2.2 ACKNOWLEDGE RECEIPT OF THIS ADDENDUM IN THE SPACE PROVIDED IN THE Bid Form. FAILURE TO DO SO Will DISQUALIFY THE BIDDER.
- 2.3 GENERAL:
 - A. Sign-In Sheets for Pre-Bid Walkthrough:
 - 1. For bidder's reference, please see the attached sign-in sheets for the Recommended Pre-Bid Walkthrough.
 - B. Additional Site Visits:
 - 1. Additional site visits are available during regular business hours, 9:00 am to 5:00 pm, weekdays, by appointment only, with minimum 24 hours advance notice prior to requested appointment. Contact Brett Huttman at 914-234-8418 or by email at bhuttman@lothropassociates.com. Contact Michael Berta at 914-234-8407 or by email at mberta@lothropassociates.com.
 - C. Photobook:
 - 1. A Photobook containing photographs of the existing conditions is available to bidders for reference. The Photobook is posted and available for download from BidNetDirect.com.
 - D. Prevailing Wage Rates:
 - 1. This project is a New York State Department of Labor Prevailing Wage Rate project. See new specification Section 009000, attached to this Addendum.
 - E. Existing Generator Removal:
 - 1. Removal of the existing generator from the basement shall include draining and removal of the existing fuel tank. Generator and tank shall be salvaged for reuse, and shall be moved to new location as directed by the Owner. For the purpose of bidding, include rigging and transportation of the tank and generator from 26 W Orangeburg Road to the Town's Highway Department located at 119 Rt. 303, Orangeburg.

F. Questions raised during Pre-Bid Walkthrough:

1. Can you clarify the scope of work for abatement of ACMs (asbestos containing materials)?
 - a. **A Limited HAZMAT Survey Report is available to bidders for reference on BidNetDirect.com. See attachment to this Addendum.**
2. Is temporary power for construction going to be metered or provided by the Owner?
 - a. **See Section 015000 - Temporary Facilities and Controls.**
3. Who is responsible for providing Dumpsters?
 - a. **Each Prime Contractor is responsible for providing his or her own Dumpster facilities.**
4. Who is responsible for Third-Party Testing?
 - a. **The Owner is responsible for employing and paying for services of a Third-Party Testing agency for special inspections required by Code.**
5. Who is the Owner's fire alarm vendor?
 - a. **See Sheet E-211 of the Electrical Contract 4E drawings, Work Item #2.**
6. Do the Phasing Plans apply to all contracts?
 - a. **Yes, the Phasing Plans apply to all contracts.**
7. How does a General Contractor quantify the number of patching conditions required by the other trades?
 - a. **The General Contractor must review all drawings for each trade and coordinate all patching conditions required.**
8. Who is responsible for temporary equipment?
 - a. **Each Prime Contractor is responsible for his or her own temporary equipment as may be required for his or her scope of work as identified in the bid documents.**

G. Questions raised by RFI via email:

1. In reference to skylight showing on details 9,10/A400, 2/A402 and plan S-102, the structure plan requires to coordinate the support requirements with the manufacturer. However, after reaching out to the manufacturer they are concerned about the significant loads and they prefer the curb to be metal stud wall in lieu of just three 2x wood members as shown on the drawings. Also, please provide the exact outside size of the curb. (Architect's RFI #1G.01)
 - a. **Details 9, 10/A400 and 2/A402 have been revised to reflect the manufacturer's suggestions for the metal stud curb. Additionally, the outside to outside size of the skylight curb has been added. See attached drawings.**
2. It is our experience that obtaining sub contractor bids the week after a holiday can be a challenge. Would a bid date extension be considered? (Architect's RFI #1G.02)
 - a. **The Bid Due Date will not be extended. We have taken the holiday season into consideration when establishing the Bid Due Date. We have allotted a total of eight (8) weeks for bid price development, including two (2) weeks of holiday time, resulting in a net time frame of six (6) weeks. We believe this is a sufficient amount of time to develop a bid price for a project of this size.**

3. On drawing E-301 keyed note #12 calls for a 1000kw generator but on the One-Line diagram calls for a 1,500kw generator. Please clarify which would be the temporary generator? (Architect's RFI #4E.01)
 - a. **The temporary generator is to be a portable 1000kw diesel generator with 1600 gallon fuel tank. The documents have been revised to reflect this.**
4. Please provide more specs on the fiberglass raceway shown on drawing E-205. (Architect's RFI #4E.02)
 - a. **Fiberglass raceway/conduit shall be listed by UL, Underwriters Laboratories, to the UL 2420. The conduit shall be fiberglass conduit, also known as Reinforced Thermosetting Resin Conduit (RTRC), manufactured using the single circuit filament winding process. The conduit shall have a winding angle as close as possible to 54.75 degrees. Winding mandrels shall be straight and true so as to produce a non-tapered conduit. Tapering is allowed at the belled end. Connections/fittings shall be chemically welded for a continuous system. Transitions to other raceway systems where required shall utilize threaded adapters.**
5. In spec section 012100 Section 1.6, item B, Contingency Allowance lists \$500,000 to be included, is this for all trades? (Architect's RFI #4E.02)
 - a. **Each Prime Contract will have its own Contingency Allowance as broken down in the revised specification Section 012100 - Allowances. See revised section attached to this Addendum.**
6. For the add on 800A Breaker Section (52-M2) the Engineer says UL 1558 style construction (although no spec section is given) which is Drawout ANSI Class Switchgear which requires rear access. As you can see from E-202 the EOR shows it up against the wall based on that I'd say your only option is to go with a Nema PB2 Style Switchboard. Please confirm/clarify? (Architect's RFI #4E.03)
 - a. **See revised Drawing E-301, attached. The reference to UL 1558 has been removed.**
7. Is it a custom built corner section required to tap the exiting service and extend? (Architect's RFI #4E.03)
 - a. **Yes, it is a custom fabricated section as indicated on Drawing E-202, Keyed note number 20.**
8. The 800A/3P you're adding is shown bussed out before the existing 1200A/3P CB so you're going to end up with (2) service disconnects for the new arrangement. Please confirm 2 or 1 service disconnects? (Architect's RFI #4E.03)
 - a. **The final installation will have (2) service disconnects as indicated keyed notes 25 and 26 on drawing E-301.**
9. In the panel spec, it is stated that the panel should match the switchgear. Please provide spec and clarify type of switchgear? (Architect's RFI #4E.03)
 - a. **As specified, the new switchboard is to match the existing. The existing is indicated as Square D type QED. Be advised, there is a proposed site visit with the Square D representative, tentatively scheduled for Friday, December 10, 2021.**
10. Is the AWI's Quality Certification Program a requirement for this project or is this just a boiler plate in the specs? (Architect's RFI #1G.03)
 - a. **Yes, as specified, AWI Quality Certification Program requirements are a required part of this project.**

CHANGES TO THE PROJECT MANUAL - INTRODUCTORY REQUIREMENTS,
PROCUREMENT REQUIREMENTS AND CONTRACTING REQUIREMENTS:

- 3.1 SECTION 00110 - Table of Contents
 - A. Remove and replace with revised Section 000100 - Table of Contents, attached to this Addendum. Place new section in front of Section 000101 - Project Title Page.
- 3.2 SECTION 000102 - Project Information
 - A. Remove and replace with revised Section 000102 - Project Information, attached to this Addendum.
- 3.3 SECTION 000103 - Project Directory
 - A. Remove and replace with revised Section 000103 - Project Directory, attached to this Addendum.
- 3.4 SECTION 000115 - List of Drawing Sheets
 - A. Remove and replace with revised Section 000115 - List of Drawings, attached to this Addendum.
- 3.5 SECTION 002113 - Instructions to Bidders
 - A. Remove and replace with revised Section 002113 - Instructions to Bidders, attached to this Addendum.
- 3.6 SECTION 003100 - Available Project Information
 - A. Remove and replace with revised Section 003100 - Available Project Information, attached to this Addendum.
- 3.7 SECTION 004000 - Procurement Forms and Supplements
 - A. Remove and replace with revised Section 004000 - Procurement Forms and Supplements, attached to this Addendum.
- 3.8 SECTIONS 004100.01, 004100.02, 004100.03, 004100.04 - Bid Forms
 - A. Remove and replace with revised Sections 004100.01, 004100.02, 004100.03, and 004100.04- Bid Forms, attached to this Addendum.
- 3.9 SECTION 004323 - Alternates Form
 - A. Remove and replace with revised Section 004323 - Alternates Form, attached to this Addendum.
- 3.10 SECTION 005000 - Contracting Forms
 - A. Remove and replace with revised Section 005000 - Contracting Forms, attached to this Addendum.

- 3.11 SECTION 005200 - Agreement Form
 - A. Remove and replace with revised Section 005200 - Agreement Form, attached to this Addendum.
- 3.12 SECTION 07200 - General Conditions
 - A. Remove and replace with revised Section 07200 - General Conditions, attached to this Addendum.
- 3.13 SECTION 007300 - Supplementary Conditions
 - A. Remove and replace with revised Section 007300 - Supplementary Conditions, attached to this Addendum.
- 3.14 SECTION 009000 - New York State Department of Labor Prevailing Wage Rate Schedule
 - A. Add Section 009000 - New York State Department of Labor Prevailing Wage Rate Schedule, attached to this Addendum.
- 3.15 SECTION 009111 - Addendum 1
 - A. Add Section 009111 - Addendum 1.
- 3.16 SECTION 011000 - Summary
 - A. Remove and replace with revised Section 011000 - Summary, attached to this Addendum.
- 3.17 SECTION 012100 - Allowances
 - A. Remove and replace with revised Section 012100 - Allowances, attached to this Addendum.
- 3.18 SECTION 012200 - Unit Prices
 - A. Remove and replace with revised Section 012200 - Unit Prices, attached to this Addendum.
- 3.19 SECTION 012300 - Alternates
 - A. Remove and replace with revised Section 012300 - Alternates, attached to this Addendum.
- 3.20 SECTION 013000 - Administrative Requirements
 - A. Remove and replace with revised Section 013000 - Administrative Requirements, attached to this Addendum.

CHANGES TO THE PROJECT MANUAL - TECHNICAL SPECIFICATIONS:

- 4.1 SECTION 078100 - Applied Fire Protection
 - A. Add new Section 078100 - Applied Fire Protection, attached to this Addendum.

4.2 SECTION 102113.19 - Toilet Partitions

- A. Remove and replace with revised Section 102113.19 - Toilet Partitions, attached to this Addendum.

4.3 SECTION 263213 - Generator

- A. Remove and replace with revised page 5, attached to this Addendum.
- B. Remove and replace with revised page 10, attached to this Addendum.

CHANGES TO DRAWINGS:

5.1 DRAWING A400 - Sections, Elevations and Details

- A. Remove and replace with revised drawing A400, attached to this Addendum.

5.2 DRAWING A402 - Sections, Elevations and Details

- A. Remove and replace with revised drawing A402, attached to this Addendum.

5.3 DRAWING E-102 - Electrical Level 01 Plan (Removals)

- A. Remove and replace with revised drawing E-102 - Electrical Level 01 Plan (Removals), attached to this Addendum.

5.4 DRAWING E-210 - Electrical Site Plan

- A. Remove and replace with revised drawing E-210 - Electrical Site Plan, attached to this Addendum.

5.5 DRAWING E-301 - Electrical One-Line Diagram

- A. Remove and replace with revised drawing E-301 - Electrical One-Line Diagram, attached to this Addendum.

APPROVAL OF ADDITIONAL PRODUCTS/SYSTEMS:

6.1 SECTION 102113.19 - PLASTIC TOILET COMPARTMENTS

- A. Scranton Hiny Hiders Solid Plastic Toilet Compartments - Scranton Products

END OF SECTION

Lothrop Associates LLP Architects
333 Westchester Ave. White Plains, NY 10604
914 741 1115

SIGN-IN SHEET**PLEASE PROVIDE BUSINESS CARD****Pre-Bid Conference 1G GENERAL CONSTRUCTION**

DATE: November 30, 2021 10:00am
PROJECT: Orangetown Town Hall Addition and Alterations
LOCATION: Orangetown Town Hall
ADDRESS: 26 West Orangeburg, NY 10962
JOB No: 2219-05

PLEASE PRINT

NAME	COMPANY	ADDRESS	E-MAIL	PHONE	FAX
LOUIS BALMANN	BELMONT Construction	MADISON NJ	BLOSCBELMONTCONSTRUCTION.COM	201 706 8014	
JOHN BARONE	INTERNATIONAL Asbestos Removal	119 COOPER ST. BABYLON NY 11702	JBARONE@IARONLINE.COM	917 587 9	
John Stanforth	Spearhead	4 Hillcrest, Fort Montgomery	John@Spearheadcx.com	805-816-7492	
Gary Muccio	Spearhead ^{CARPENTER}	4 Hillcrest Ft Montgomery	gary@SPEARHEAD	201-470-9130	
Michael Bottali	Key Construction Services, LLC	327-324 Main St Poughkeepsie NY 12601	mjb@CONTACTKCS.COM	845-454-1192	
Andre' Badolato	Andron Construction	21 Anderson Lane ^{Gillies} Andron	abadolato@androncc.com	914-233-7531	
JOE MOLINARO	PIAZZA Brothers	HARTFORD	JMOLINARO@PIAZZABROS	332-999-4100	
Karim Hassan	Northeastern Interior	Little Falls NJ	Karim@Northeasterninterior.com	201-636-2761	
MARIL CARSON	KINGS CAPITAL Construction	660 White Plains Rd	M.CARSON@KINGSCAPITALCONSTRUCTION.COM	914-266-8285	
Michael Zimnoch	Butler Construction Group	Montgomery, NY	estimating@butlerconstructiongroup.com	845-826-4647	
John Vana	Vanas Construction Co	249 Conia Ave. Popatut	gvanas@vanasconstruction.com	201-883-1946 201-883-1599	
Monica Rivera	LeChase Construction	1 Labrida Ct.	monica.rivera@lechase.com		
LOU BERTUSSI	BERTUSSI CONSTRUCTION	60-70 DEAN	LBERTUSSI@BERTUSSIS.COM		
		PLAZA PR,		245-536-1381	845 735 1636

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PLEASE PROVIDE BUSINESS CARD

PLEASE PRINT

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Pre-Bid Conference GENERAL SIGN IN FORM

PLEASE PRINT

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SECTION 009000
NEW YORK STATE DEPARTMENT OF LABOR PREVAILING WAGE RATE SCHEDULE

PART 1 GENERAL

- 1.1 Current New York State Department of Labor Prevailing Wage Rate Schedule is included after this cover page.
- 1.2 PRC# 2021012340 (71 pages)

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION



Kathy Hochul, Governor

Roberta Reardon, Commissioner

Town of Orangetown

Brett Huttman, PM
Lothrop Associates,
LLP Architects
333 Westchester Ave
White Plains NY 10604

Schedule Year 2021 through 2022
Date Requested 12/02/2021
PRC# 2021012340

Location Town Hall
Project ID# 2219-05
Project Type new addition and minor interior alterations to the existing Town Hall building

PREVAILING WAGE SCHEDULE FOR ARTICLE 8 PUBLIC WORK PROJECT

Attached is the current schedule(s) of the prevailing wage rates and prevailing hourly supplements for the project referenced above. A unique Prevailing Wage Case Number (PRC#) has been assigned to the schedule(s) for your project.

The schedule is effective from July 2021 through June 2022. All updates, corrections, posted on the 1st business day of each month, and future copies of the annual determination are available on the Department's website www.labor.ny.gov. Updated PDF copies of your schedule can be accessed by entering your assigned PRC# at the proper location on the website.

It is the responsibility of the contracting agency or its agent to annex and make part, the attached schedule, to the specifications for this project, when it is advertised for bids and /or to forward said schedules to the successful bidder(s), immediately upon receipt, in order to insure the proper payment of wages.

Please refer to the "General Provisions of Laws Covering Workers on Public Work Contracts" provided with this schedule, for the specific details relating to other responsibilities of the Department of Jurisdiction.

Upon completion or cancellation of this project, enter the required information and mail **OR** fax this form to the office shown at the bottom of this notice, **OR** fill out the electronic version via the NYSDOL website.

NOTICE OF COMPLETION / CANCELLATION OF PROJECT

Date Completed: _____ Date Cancelled: _____

Name & Title of Representative: _____

Phone: (518) 457-5589 Fax: (518) 485-1870
W. Averell Harriman State Office Campus, Bldg. 12, Room 130, Albany, NY 12240

General Provisions of Laws Covering Workers on Article 8 Public Work Contracts

Introduction

The Labor Law requires public work contractors and subcontractors to pay laborers, workers, or mechanics employed in the performance of a public work contract not less than the prevailing rate of wage and supplements (fringe benefits) in the locality where the work is performed.

Responsibilities of the Department of Jurisdiction

A Department of Jurisdiction (Contracting Agency) includes a state department, agency, board or commission; a county, city, town or village; a school district, board of education or board of cooperative educational services; a sewer, water, fire, improvement and other district corporation; a public benefit corporation; and a public authority awarding a public work contract.

The Department of Jurisdiction (Contracting Agency) awarding a public work contract MUST obtain a Prevailing Rate Schedule listing the hourly rates of wages and supplements due the workers to be employed on a public work project. This schedule may be obtained by completing and forwarding a "Request for wage and Supplement Information" form (PW 39) to the Bureau of Public Work. The Prevailing Rate Schedule MUST be included in the specifications for the contract to be awarded and is deemed part of the public work contract.

Upon the awarding of the contract, the law requires that the Department of Jurisdiction (Contracting Agency) furnish the following information to the Bureau: the name and address of the contractor, the date the contract was let and the approximate dollar value of the contract. To facilitate compliance with this provision of the Labor Law, a copy of the Department's "Notice of Contract Award" form (PW 16) is provided with the original Prevailing Rate Schedule.

The Department of Jurisdiction (Contracting Agency) is required to notify the Bureau of the completion or cancellation of any public work project. The Department's PW 200 form is provided for that purpose.

Both the PW 16 and PW 200 forms are available for completion [online](#).

Hours

No laborer, worker, or mechanic in the employ of a contractor or subcontractor engaged in the performance of any public work project shall be permitted to work more than eight hours in any day or more than five days in any week, except in cases of extraordinary emergency. The contractor and the Department of Jurisdiction (Contracting Agency) may apply to the Bureau of Public Work for a dispensation permitting workers to work additional hours or days per week on a particular public work project.

There are very few exceptions to this rule. Complete information regarding these exceptions is available on the ["Request for a dispensation to work overtime" form \(PW30\)](#) and ["4 Day / 10 Hour Work Schedule" form \(PW 30.1\)](#).

Wages and Supplements

The wages and supplements to be paid and/or provided to laborers, workers, and mechanics employed on a public work project shall be not less than those listed in the current Prevailing Rate Schedule for the locality where the work is performed. If a prime contractor on a public work project has not been provided with a Prevailing Rate Schedule, the contractor must notify the Department of Jurisdiction (Contracting Agency) who in turn must request an original Prevailing Rate Schedule form the Bureau of Public Work. Requests may be submitted by: mail to NYSDOL, Bureau of Public Work, State Office Bldg. Campus, Bldg. 12, Rm. 130, Albany, NY 12240; Fax to Bureau of Public Work (518) 485-1870; or electronically at the NYSDOL website www.labor.ny.gov.

Upon receiving the original schedule, the Department of Jurisdiction (Contracting Agency) is REQUIRED to provide complete copies to all prime contractors who in turn MUST, by law, provide copies of all applicable county schedules to each subcontractor and obtain from each subcontractor, an affidavit certifying such schedules were received. If the original schedule expired, the contractor may obtain a copy of the new annual determination from the NYSDOL website www.labor.ny.gov.

The Commissioner of Labor makes an annual determination of the prevailing rates. This determination is in effect from July 1st through June 30th of the following year. The annual determination is available on the NYSDOL website www.labor.ny.gov.

Payrolls and Payroll Records

Every contractor and subcontractor MUST keep original payrolls or transcripts subscribed and affirmed as true under penalty of perjury. As per Article 6 of the Labor law, contractors and subcontractors are required to establish, maintain, and preserve for not less than six (6) years, contemporaneous, true, and accurate payroll records. At a minimum, payrolls must show the following information for each person employed on a public work project: Name, Address, Last 4 Digits of Social Security Number, Classification(s) in which the worker was employed, Hourly wage rate(s) paid, Supplements paid

or provided, and Daily and weekly number of hours worked in each classification.

The filing of payrolls to the Department of Jurisdiction is a condition of payment. Every contractor and subcontractor shall submit to the Department of Jurisdiction (Contracting Agency), within thirty (30) days after issuance of its first payroll and every thirty (30) days thereafter, a transcript of the original payrolls, subscribed and affirmed as true under penalty of perjury. The Department of Jurisdiction (Contracting Agency) shall collect, review for facial validity, and maintain such payrolls.

In addition, the Commissioner of Labor may require contractors to furnish, with ten (10) days of a request, payroll records sworn to as their validity and accuracy for public work and private work. Payroll records include, but are not limited to time cards, work description sheets, proof that supplements were provided, cancelled payroll checks and payrolls. Failure to provide the requested information within the allotted ten (10) days will result in the withholding of up to 25% of the contract, not to exceed \$100,000.00. If the contractor or subcontractor does not maintain a place of business in New York State and the amount of the contract exceeds \$25,000.00, payroll records and certifications must be kept on the project worksite.

The prime contractor is responsible for any underpayments of prevailing wages or supplements by any subcontractor.

All contractors or their subcontractors shall provide to their subcontractors a copy of the Prevailing Rate Schedule specified in the public work contract as well as any subsequently issued schedules. A failure to provide these schedules by a contractor or subcontractor is a violation of Article 8, Section 220-a of the Labor Law.

All subcontractors engaged by a public work project contractor or its subcontractor, upon receipt of the original schedule and any subsequently issued schedules, shall provide to such contractor a verified statement attesting that the subcontractor has received the Prevailing Rate Schedule and will pay or provide the applicable rates of wages and supplements specified therein. (See NYS Labor Laws, Article 8 . Section 220-a).

Determination of Prevailing Wage and Supplement Rate Updates Applicable to All Counties

The wages and supplements contained in the annual determination become effective July 1st whether or not the new determination has been received by a given contractor. Care should be taken to review the rates for obvious errors. Any corrections should be brought to the Department's attention immediately. It is the responsibility of the public work contractor to use the proper rates. If there is a question on the proper classification to be used, please call the district office located nearest the project. Any errors in the annual determination will be corrected and posted to the NYSDOL website on the first business day of each month. Contractors are responsible for paying these updated rates as well, retroactive to July 1st.

When you review the schedule for a particular occupation, your attention should be directed to the dates above the column of rates. These are the dates for which a given set of rates is effective. To the extent possible, the Department posts rates in its possession that cover periods of time beyond the July 1st to June 30th time frame covered by a particular annual determination. Rates that extend beyond that instant time period are informational ONLY and may be updated in future annual determinations that actually cover the then appropriate July 1st to June 30th time period.

Withholding of Payments

When a complaint is filed with the Commissioner of Labor alleging the failure of a contractor or subcontractor to pay or provide the prevailing wages or supplements, or when the Commissioner of Labor believes that unpaid wages or supplements may be due, payments on the public work contract shall be withheld from the prime contractor in a sufficient amount to satisfy the alleged unpaid wages and supplements, including interest and civil penalty, pending a final determination.

When the Bureau of Public Work finds that a contractor or subcontractor on a public work project failed to pay or provide the requisite prevailing wages or supplements, the Bureau is authorized by Sections 220-b and 235.2 of the Labor Law to so notify the financial officer of the Department of Jurisdiction (Contracting Agency) that awarded the public work contract. Such officer MUST then withhold or cause to be withheld from any payment due the prime contractor on account of such contract the amount indicated by the Bureau as sufficient to satisfy the unpaid wages and supplements, including interest and any civil penalty that may be assessed by the Commissioner of Labor. The withholding continues until there is a final determination of the underpayment by the Commissioner of Labor or by the court in the event a legal proceeding is instituted for review of the determination of the Commissioner of Labor.

The Department of Jurisdiction (Contracting Agency) shall comply with this order of the Commissioner of Labor or of the court with respect to the release of the funds so withheld.

Summary of Notice Posting Requirements

The current Prevailing Rate Schedule must be posted in a prominent and accessible place on the site of the public work project. The prevailing wage schedule must be encased in, or constructed of, materials capable of withstanding adverse weather conditions and be titled "PREVAILING RATE OF WAGES" in letters no smaller than two (2) inches by two (2) inches.

The "Public Work Project" notice must be posted at the beginning of the performance of every public work contract, on each job site.

Every employer providing workers' compensation insurance and disability benefits must post notices of such coverage in the format prescribed by the Workers' Compensation Board in a conspicuous place on the jobsite.

Every employer subject to the NYS Human Rights Law must conspicuously post at its offices, places of employment, or employment training centers, notices furnished by the State Division of Human Rights.

Employers liable for contributions under the Unemployment Insurance Law must conspicuously post on the jobsite notices furnished by the NYS Department of Labor.

Apprentices

Employees cannot be paid apprentice rates unless they are individually registered in a program registered with the NYS Commissioner of Labor. The allowable ratio of apprentices to journeyworkers in any craft classification can be no greater than the statewide building trade ratios promulgated by the Department of Labor and included with the Prevailing Rate Schedule. An employee listed on a payroll as an apprentice who is not registered as above or is performing work outside the classification of work for which the apprentice is indentured, must be paid the prevailing journeyworker's wage rate for the classification of work the employee is actually performing.

NYSDOL Labor Law, Article 8, Section 220-3, require that only apprentices individually registered with the NYS Department of Labor may be paid apprenticeship rates on a public work project. No other Federal or State Agency of office registers apprentices in New York State.

Persons wishing to verify the apprentice registration of any person must do so in writing by mail, to the NYSDOL Office of Employability Development / Apprenticeship Training, State Office Bldg. Campus, Bldg. 12, Albany, NY 12240 or by Fax to NYSDOL Apprenticeship Training (518) 457-7154. All requests for verification must include the name and social security number of the person for whom the information is requested.

The only conclusive proof of individual apprentice registration is written verification from the NYSDOL Apprenticeship Training Albany Central office. Neither Federal nor State Apprenticeship Training offices outside of Albany can provide conclusive registration information.

It should be noted that the existence of a registered apprenticeship program is not conclusive proof that any person is registered in that program. Furthermore, the existence or possession of wallet cards, identification cards, or copies of state forms is not conclusive proof of the registration of any person as an apprentice.

Interest and Penalties

In the event that an underpayment of wages and/or supplements is found:

- Interest shall be assessed at the rate then in effect as prescribed by the Superintendent of Banks pursuant to section 14-a of the Banking Law, per annum from the date of underpayment to the date restitution is made.
- A Civil Penalty may also be assessed, not to exceed 25% of the total of wages, supplements, and interest due.

Debarment

Any contractor or subcontractor and/or its successor shall be ineligible to submit a bid on or be awarded any public work contract or subcontract with any state, municipal corporation or public body for a period of five (5) years when:

- Two (2) willful determinations have been rendered against that contractor or subcontractor and/or its successor within any consecutive six (6) year period.
- There is any willful determination that involves the falsification of payroll records or the kickback of wages or supplements.

Criminal Sanctions

Willful violations of the Prevailing Wage Law (Article 8 of the Labor Law) may be a felony punishable by fine or imprisonment of up to 15 years, or both.

Discrimination

No employee or applicant for employment may be discriminated against on account of age, race, creed, color, national origin, sex, disability or marital status.

No contractor, subcontractor nor any person acting on its behalf, shall by reason of race, creed, color, disability, sex or national origin discriminate against any citizen of the State of New York who is qualified and available to perform the work to which the employment relates (NYS Labor Law, Article 8, Section 220-e(a)).

No contractor, subcontractor, nor any person acting on its behalf, shall in any manner, discriminate against or intimidate any employee on account of race, creed, color, disability, sex, or national origin (NYS Labor Law, Article 8, Section 220-e(b)).

The Human Rights Law also prohibits discrimination in employment because of age, marital status, or religion.

There may be deducted from the amount payable to the contractor under the contract a penalty of \$50.00 for each calendar day during which such person was discriminated against or intimidated in violation of the provision of the contract (NYS Labor Law, Article 8, Section 220-e(c)).

The contract may be cancelled or terminated by the State or municipality. All monies due or to become due thereunder may be forfeited for a second or any subsequent violation of the terms or conditions of the anti-discrimination sections of the contract (NYS Labor Law, Article 8, Section 220-e(d)).

Every employer subject to the New York State Human Rights Law must conspicuously post at its offices, places of employment, or employment training centers notices furnished by the State Division of Human Rights.

Workers' Compensation

In accordance with Section 142 of the State Finance Law, the contractor shall maintain coverage during the life of the contract for the benefit of such employees as required by the provisions of the New York State Workers' Compensation Law.

A contractor who is awarded a public work contract must provide proof of workers' compensation coverage prior to being allowed to begin work.

The insurance policy must be issued by a company authorized to provide workers' compensation coverage in New York State. Proof of coverage must be on form C-105.2 (Certificate of Workers' Compensation Insurance) and must name this agency as a certificate holder.

If New York State coverage is added to an existing out-of-state policy, it can only be added to a policy from a company authorized to write workers' compensation coverage in this state. The coverage must be listed under item 3A of the information page.

The contractor must maintain proof that subcontractors doing work covered under this contract secured and maintained a workers' compensation policy for all employees working in New York State.

Every employer providing worker's compensation insurance and disability benefits must post notices of such coverage in the format prescribed by the Workers' Compensation Board in a conspicuous place on the jobsite.

Unemployment Insurance

Employers liable for contributions under the Unemployment Insurance Law must conspicuously post on the jobsite notices furnished by the New York State Department of Labor.



Kathy Hochul, Governor

Roberta Reardon, Commissioner

Town of Orangetown

Brett Huttman, PM
Lothrop Associates,
LLP Architects
333 Westchester Ave
White Plains NY 10604

Schedule Year 2021 through 2022
Date Requested 12/02/2021
PRC# 2021012340

Location Town Hall
Project ID# 2219-05
Project Type new addition and minor interior alterations to the existing Town Hall building

Notice of Contract Award

New York State Labor Law, Article 8, Section 220.3a requires that certain information regarding the awarding of public work contracts, be furnished to the Commissioner of Labor. One "Notice of Contract Award" (PW 16, which may be photocopied), **MUST** be completed for **EACH** prime contractor on the above referenced project.

Upon notifying the successful bidder(s) of this contract, enter the required information and mail **OR** fax this form to the office shown at the bottom of this notice, **OR** fill out the electronic version via the NYSDOL website.

Contractor Information

All information must be supplied

Federal Employer Identification Number: _____		
Name: _____		
Address: _____ _____		
City: _____	State: _____	Zip: _____
Amount of Contract: \$ _____	Contract Type:	
Approximate Starting Date: ____/____/____	<input type="checkbox"/> (01) General Construction	
Approximate Completion Date: ____/____/____	<input type="checkbox"/> (02) Heating/Ventilation	
	<input type="checkbox"/> (03) Electrical	
	<input type="checkbox"/> (04) Plumbing	
	<input type="checkbox"/> (05) Other : _____	

Phone: (518) 457-5589 Fax: (518) 485-1870
W. Averell Harriman State Office Campus, Bldg. 12, Room 130, Albany, NY 12240

Social Security Numbers on Certified Payrolls:

The Department of Labor is cognizant of the concerns of the potential for misuse or inadvertent disclosure of social security numbers. Identity theft is a growing problem and we are sympathetic to contractors' concern regarding inclusion of this information on payrolls if another identifier will suffice.

For these reasons, the substitution of the use of the last four digits of the social security number on certified payrolls submitted to contracting agencies on public work projects is now acceptable to the Department of Labor. This change does not affect the Department's ability to request and receive the entire social security number from employers during its public work/ prevailing wage investigations.

Construction Industry Fair Play Act: Required Posting for Labor Law Article 25-B § 861-d

Construction industry employers must post the "Construction Industry Fair Play Act" notice in a prominent and accessible place on the job site. Failure to post the notice can result in penalties of up to \$1,500 for a first offense and up to \$5,000 for a second offense. The posting is included as part of this wage schedule. Additional copies may be obtained from the NYS DOL website, www.labor.ny.gov. <https://labor.ny.gov/formsdocs/ui/IA999.pdf>

If you have any questions concerning the Fair Play Act, please call the State Labor Department toll-free at 1-866-435-1499 or email us at: dol.misclassified@labor.ny.gov .

Worker Notification: (Labor Law §220, paragraph a of subdivision 3-a)

Effective June 23, 2020

This provision is an addition to the existing wage rate law, Labor Law §220, paragraph a of subdivision 3-a. It requires contractors and subcontractors to provide written notice to all laborers, workers or mechanics of the *prevailing wage and supplement rate* for their particular job classification *on each pay stub**. It also requires contractors and subcontractors to *post a notice* at the beginning of the performance of every public work contract *on each job site* that includes the telephone number and address for the Department of Labor and a statement informing laborers, workers or mechanics of their right to contact the Department of Labor if he/she is not receiving the proper prevailing rate of wages and/or supplements for his/her job classification. The required notification will be provided with each wage schedule, may be downloaded from our website www.labor.ny.gov or be made available upon request by contacting the Bureau of Public Work at 518-457-5589. *In the event the required information will not fit on the pay stub, an accompanying sheet or attachment of the information will suffice.

(12.20)

**To all State Departments, Agency Heads and Public Benefit Corporations
IMPORTANT NOTICE REGARDING PUBLIC WORK ENFORCEMENT FUND**

Budget Policy & Reporting Manual

B-610

Public Work Enforcement Fund

effective date December 7, 2005

1. Purpose and Scope:

This Item describes the Public Work Enforcement Fund (the Fund, PWEF) and its relevance to State agencies and public benefit corporations engaged in construction or reconstruction contracts, maintenance and repair, and announces the recently-enacted increase to the percentage of the dollar value of such contracts that must be deposited into the Fund. This item also describes the roles of the following entities with respect to the Fund:

- New York State Department of Labor (DOL),
- The Office of the State of Comptroller (OSC), and
- State agencies and public benefit corporations.

2. Background and Statutory References:

DOL uses the Fund to enforce the State's Labor Law as it relates to contracts for construction or reconstruction, maintenance and repair, as defined in subdivision two of Section 220 of the Labor Law. State agencies and public benefit corporations participating in such contracts are required to make payments to the Fund.

Chapter 511 of the Laws of 1995 (as amended by Chapter 513 of the Laws of 1997, Chapter 655 of the Laws of 1999, Chapter 376 of the Laws of 2003 and Chapter 407 of the Laws of 2005) established the Fund.

3. Procedures and Agency Responsibilities:

The Fund is supported by transfers and deposits based on the value of contracts for construction and reconstruction, maintenance and repair, as defined in subdivision two of Section 220 of the Labor Law, into which all State agencies and public benefit corporations enter.

Chapter 407 of the Laws of 2005 increased the amount required to be provided to this fund to .10 of one-percent of the total cost of each such contract, to be calculated at the time agencies or public benefit corporations enter into a new contract or if a contract is amended. The provisions of this bill became effective August 2, 2005.

To all State Departments, Agency Heads and Public Benefit Corporations
IMPORTANT NOTICE REGARDING PUBLIC WORK ENFORCEMENT FUND

OSC will report to DOL on all construction-related ("D") contracts approved during the month, including contract amendments, and then DOL will bill agencies the appropriate assessment monthly. An agency may then make a determination if any of the billed contracts are exempt and so note on the bill submitted back to DOL. For any instance where an agency is unsure if a contract is or is not exempt, they can call the Bureau of Public Work at the number noted below for a determination. Payment by check or journal voucher is due to DOL within thirty days from the date of the billing. DOL will verify the amounts and forward them to OSC for processing.

For those contracts which are not approved or administered by the Comptroller, monthly reports and payments for deposit into the Public Work Enforcement Fund must be provided to the Administrative Finance Bureau at the DOL within 30 days of the end of each month or on a payment schedule mutually agreed upon with DOL.

Reports should contain the following information:

- Name and billing address of State agency or public benefit corporation;
- State agency or public benefit corporation contact and phone number;
- Name and address of contractor receiving the award;
- Contract number and effective dates;
- Contract amount and PWEF assessment charge (if contract amount has been amended, reflect increase or decrease to original contract and the adjustment in the PWEF charge); and
- Brief description of the work to be performed under each contract.

Checks and Journal Vouchers, payable to the "New York State Department of Labor" should be sent to:

Department of Labor
Administrative Finance Bureau-PWEF Unit
Building 12, Room 464
State Office Campus
Albany, NY 12240

Any questions regarding billing should be directed to NYSDOL's Administrative Finance Bureau-PWEF Unit at (518) 457-3624 and any questions regarding Public Work Contracts should be directed to the Bureau of Public Work at (518) 457-5589.



Required Notice under Article 25-B of the Labor Law

**Attention All Employees, Contractors and Subcontractors:
You are Covered by the Construction Industry Fair Play Act**

The law says that you are an employee unless:

- You are free from direction and control in performing your job, **and**
- You perform work that is not part of the usual work done by the business that hired you, **and**
- You have an independently established business.

Your employer cannot consider you to be an independent contractor unless all three of these facts apply to your work.

It is against the law for an employer to misclassify employees as independent contractors or pay employees off the books.

Employee Rights: If you are an employee, you are entitled to state and federal worker protections. These include:

- Unemployment Insurance benefits, if you are unemployed through no fault of your own, able to work, and otherwise qualified,
- Workers' compensation benefits for on-the-job injuries,
- Payment for wages earned, minimum wage, and overtime (under certain conditions),
- Prevailing wages on public work projects,
- The provisions of the National Labor Relations Act, and
- A safe work environment.

It is a violation of this law for employers to retaliate against anyone who asserts their rights under the law. Retaliation subjects an employer to civil penalties, a private lawsuit or both.

Independent Contractors: If you are an independent contractor, **you must pay all taxes and Unemployment Insurance contributions required by New York State and Federal Law.**

Penalties for paying workers off the books or improperly treating employees as independent contractors:

- **Civil Penalty**
 - First offense: Up to \$2,500 per employee
 - Subsequent offense(s): Up to \$5,000 per employee
- **Criminal Penalty**
 - First offense: Misdemeanor - up to 30 days in jail, up to a \$25,000 fine and debarment from performing public work for up to one year.
 - Subsequent offense(s): Misdemeanor - up to 60 days in jail or up to a \$50,000 fine and debarment from performing public work for up to 5 years.

If you have questions about your employment status or believe that your employer may have violated your rights and you want to file a complaint, call the Department of Labor at (866) 435-1499 or send an email to dol.misclassified@labor.ny.gov. All complaints of fraud and violations are taken seriously. You can remain anonymous.

Employer Name:

IA 999 (09/16)

Attention Employees

THIS IS A: **PUBLIC WORK PROJECT**

If you are employed on this project as a **worker, laborer, or mechanic** you are entitled to receive the **prevailing wage and supplements rate** for the classification at which you are working.

Chapter 629 of
the Labor Laws
of 2007:

**These wages are set by law and must be posted
at the work site. They can also be found at:**
www.labor.ny.gov

If you feel that you have not received proper wages or benefits,
please call our nearest office.*

Albany	(518) 457-2744	Patchogue	(631) 687-4882
Binghamton	(607) 721-8005	Rochester	(585) 258-4505
Buffalo	(716) 847-7159	Syracuse	(315) 428-4056
Garden City	(516) 228-3915	Utica	(315) 793-2314
New York City	(212) 932-2419	White Plains	(914) 997-9507
Newburgh	(845) 568-5156		

* For New York City government agency construction projects, please
contact the Office of the NYC Comptroller at (212) 669-4443, or
www.comptroller.nyc.gov – click on Bureau of Labor Law.

Contractor Name: _____

Project Location: _____

Requirements for OSHA 10 Compliance

Article 8 §220-h requires that when the advertised specifications, for every contract for public work, is \$250,000.00 or more the contract must contain a provision requiring that every worker employed in the performance of a public work contract shall be certified as having completed an OSHA 10 safety training course. The clear intent of this provision is to require that all employees of public work contractors, required to be paid prevailing rates, receive such training "prior to the performing any work on the project."

The Bureau will enforce the statute as follows:

All contractors and sub contractors must attach a copy of proof of completion of the OSHA 10 course to the first certified payroll submitted to the contracting agency and on each succeeding payroll where any new or additional employee is first listed.

Proof of completion may include but is not limited to:

- Copies of bona fide course completion card (*Note: Completion cards do not have an expiration date.*)
- Training roster, attendance record or other documentation from the certified trainer pending the issuance of the card.
- Other valid proof

**A certification by the employer attesting that all employees have completed such a course is not sufficient proof that the course has been completed.

Any questions regarding this statute may be directed to the New York State Department of Labor, Bureau of Public Work at 518-457-5589.

WICKS

Public work projects are subject to the Wicks Law requiring separate specifications and bidding for the plumbing, heating and electrical work, when the total project's threshold is \$3 million in Bronx, Kings, New York, Queens and, Richmond counties; \$1.5 million in Nassau, Suffolk and Westchester counties; and \$500,000 in all other counties.

For projects below the monetary threshold, bidders must submit a sealed list naming each subcontractor for the plumbing, HVAC and electrical and the amount to be paid to each. The list may not be changed unless the public owner finds a legitimate construction need, including a change in specifications or costs or the use of a Project Labor Agreement (PLA), and must be open to public inspection.

Allows the state and local agencies and authorities to waive the Wicks Law and use a PLA if it will provide the best work at the lowest possible price. If a PLA is used, all contractors shall participate in apprentice training programs in the trades of work it employs that have been approved by the Department of Labor (DOL) for not less than three years. They shall also have at least one graduate in the last three years and use affirmative efforts to retain minority apprentices. PLA's would be exempt from Wicks, but deemed to be public work subject to prevailing wage enforcement.

The Commissioner of Labor shall have the power to enforce separate specification requirements on projects, and may issue stop-bid orders against public owners for non-compliance.

Other new monetary thresholds, and similar sealed bidding for non-Wicks projects, would apply to certain public authorities including municipal housing authorities, NYC Construction Fund, Yonkers Educational Construction Fund, NYC Municipal Water Finance Authority, Buffalo Municipal Water Finance Authority, Westchester County Health Care Association, Nassau County Health Care Corp., Clifton-Fine Health Care Corp., Erie County Medical Center Corp., NYC Solid Waste Management Facilities, and the Dormitory Authority.

Contractors must pay subcontractors within a 7 days period.

(07.19)

Introduction to the Prevailing Rate Schedule

Information About Prevailing Rate Schedule

This information is provided to assist you in the interpretation of particular requirements for each classification of worker contained in the attached Schedule of Prevailing Rates.

Classification

It is the duty of the Commissioner of Labor to make the proper classification of workers taking into account whether the work is heavy and highway, building, sewer and water, tunnel work, or residential, and to make a determination of wages and supplements to be paid or provided. It is the responsibility of the public work contractor to use the proper rate. If there is a question on the proper classification to be used, please call the district office located nearest the project. District office locations and phone numbers are listed below.

Prevailing Wage Schedules are issued separately for "General Construction Projects" and "Residential Construction Projects" on a county-by-county basis.

General Construction Rates apply to projects such as: Buildings, Heavy & Highway, and Tunnel and Water & Sewer rates.

Residential Construction Rates generally apply to construction, reconstruction, repair, alteration, or demolition of one family, two family, row housing, or rental type units intended for residential use.

Some rates listed in the Residential Construction Rate Schedule have a very limited applicability listed along with the rate. Rates for occupations or locations not shown on the residential schedule must be obtained from the General Construction Rate Schedule. Please contact the local Bureau of Public Work office before using Residential Rate Schedules, to ensure that the project meets the required criteria.

Payrolls and Payroll Records

Contractors and subcontractors are required to establish, maintain, and preserve for not less than six (6) years, contemporaneous, true, and accurate payroll records.

Every contractor and subcontractor shall submit to the Department of Jurisdiction (Contracting Agency), within thirty (30) days after issuance of its first payroll and every thirty (30) days thereafter, a transcript of the original payrolls, subscribed and affirmed as true under penalty of perjury.

Paid Holidays

Paid Holidays are days for which an eligible employee receives a regular day's pay, but is not required to perform work. If an employee works on a day listed as a paid holiday, this remuneration is in addition to payment of the required prevailing rate for the work actually performed.

Overtime

At a minimum, all work performed on a public work project in excess of eight hours in any one day or more than five days in any workweek is overtime. However, the specific overtime requirements for each trade or occupation on a public work project may differ. Specific overtime requirements for each trade or occupation are contained in the prevailing rate schedules.

Overtime holiday pay is the premium pay that is required for work performed on specified holidays. It is only required where the employee actually performs work on such holidays.

The applicable holidays are listed under HOLIDAYS: OVERTIME. The required rate of pay for these covered holidays can be found in the OVERTIME PAY section listings for each classification.

Supplemental Benefits

Particular attention should be given to the supplemental benefit requirements. Although in most cases the payment or provision of supplements is straight time for all hours worked, some classifications require the payment or provision of supplements, or a portion of the supplements, to be paid or provided at a premium rate for premium hours worked. Supplements may also be required to be paid or provided on paid holidays, regardless of whether the day is worked. The Overtime Codes and Notes listed on the particular wage classification will indicate these conditions as required.

Effective Dates

When you review the schedule for a particular occupation, your attention should be directed to the dates above the column of rates. These are the dates for which a given set of rates is effective. The rate listed is valid until the next effective rate change or until the new annual determination which takes effect on July 1 of each year. All contractors and subcontractors are required to pay the current prevailing rates of wages and supplements. If you have any questions please contact the Bureau of Public Work or visit the New York State Department of Labor website (www.labor.ny.gov) for current wage rate information.

Apprentice Training Ratios

The following are the allowable ratios of registered Apprentices to Journey-workers.

For example, the ratio 1:1,1:3 indicates the allowable initial ratio is one Apprentice to one Journeyworker. The Journeyworker must be in place on the project before an Apprentice is allowed. Then three additional Journeyworkers are needed before a second Apprentice is allowed. The last ratio repeats indefinitely. Therefore, three more Journeyworkers must be present before a third Apprentice can be hired, and so on.

Please call Apprentice Training Central Office at (518) 457-6820 if you have any questions.

Title (Trade)	Ratio
Boilermaker (Construction)	1:1,1:4
Boilermaker (Shop)	1:1,1:3
Carpenter (Bldg.,H&H, Pile Driver/Dockbuilder)	1:1,1:4
Carpenter (Residential)	1:1,1:3
Electrical (Outside) Lineman	1:1,1:2
Electrician (Inside)	1:1,1:3
Elevator/Escalator Construction & Modernizer	1:1,1:2
Glazier	1:1,1:3
Insulation & Asbestos Worker	1:1,1:3
Iron Worker	1:1,1:4
Laborer	1:1,1:3
Mason	1:1,1:4
Millwright	1:1,1:4
Op Engineer	1:1,1:5
Painter	1:1,1:3
Plumber & Steamfitter	1:1,1:3
Roofer	1:1,1:2
Sheet Metal Worker	1:1,1:3
Sprinkler Fitter	1:1,1:2

If you have any questions concerning the attached schedule or would like additional information, please contact the nearest BUREAU of PUBLIC WORK District Office or write to:

New York State Department of Labor
Bureau of Public Work
State Office Campus, Bldg. 12
Albany, NY 12240

District Office Locations:	Telephone #	FAX #
Bureau of Public Work - Albany	518-457-2744	518-485-0240
Bureau of Public Work - Binghamton	607-721-8005	607-721-8004
Bureau of Public Work - Buffalo	716-847-7159	716-847-7650
Bureau of Public Work - Garden City	516-228-3915	516-794-3518
Bureau of Public Work - Newburgh	845-568-5287	845-568-5332
Bureau of Public Work - New York City	212-932-2419	212-775-3579
Bureau of Public Work - Patchogue	631-687-4882	631-687-4902
Bureau of Public Work - Rochester	585-258-4505	585-258-4708
Bureau of Public Work - Syracuse	315-428-4056	315-428-4671
Bureau of Public Work - Utica	315-793-2314	315-793-2514
Bureau of Public Work - White Plains	914-997-9507	914-997-9523
Bureau of Public Work - Central Office	518-457-5589	518-485-1870

Rockland County General Construction

Boilermaker

12/01/2021

JOB DESCRIPTION Boilermaker

DISTRICT 4

ENTIRE COUNTIES

Bronx, Dutchess, Kings, Nassau, New York, Orange, Putnam, Queens, Richmond, Rockland, Suffolk, Sullivan, Ulster, Westchester

WAGES

Per Hour: 07/01/2021

Boilermaker	\$ 63.38
Repairs & Renovations	63.38

SUPPLEMENTAL BENEFITS

Per Hour: 07/01/2021

Boilermaker	32% of hourly
Repair & Renovations	Wage Paid
	+ \$ 25.38

NOTE: "Hourly Wage Paid" shall include any and all premium(s) pay.

Repairs & Renovation Includes replacement of parts and repairs & renovation of existing unit.

OVERTIME PAY

See (D, O) on OVERTIME PAGE

Repairs & Renovation see (B,E,Q)

HOLIDAY

Paid: See (8, 16, 23, 24) on HOLIDAY PAGE

Overtime: See (5, 6, 8, 11, 12, 15, 16, 22, 23, 24, 25) on HOLIDAY PAGE

NOTE: *Employee must work in pay week to receive Holiday Pay.

**Employee gets 4 times the hourly wage rate for working Labor Day.

REGISTERED APPRENTICES

Wage per hour:

(1/2) Year Terms at the following percentage of Boilermaker's Wage

1st	2nd	3rd	4th	5th	6th	7th
65%	70%	75%	80%	85%	90%	95%

Supplemental Benefits Per Hour:

	07/01/2021
Apprentice(s)	32% of Hourly
	Wage Paid Plus
	Amount Below

1st Term	\$ 19.41
2nd Term	20.26
3rd Term	21.11
4th Term	21.96
5th Term	22.82
6th Term	23.68
7th Term	24.52

NOTE: "Hourly Wage Paid" shall include any and all premium(s)

4-5

Carpenter

12/01/2021

JOB DESCRIPTION Carpenter

DISTRICT 8

ENTIRE COUNTIES

Bronx, Kings, Nassau, New York, Putnam, Queens, Richmond, Rockland, Suffolk, Westchester

WAGES

Per hour: 07/01/2021

Piledriver	\$ 56.93
Dockbuilder	\$ 56.93

SUPPLEMENTAL BENEFITS

Per hour:

Journeyworker \$ 53.33

OVERTIME PAY

See (B, E2, O) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE.

Paid: for 1st & 2nd yr.

Apprentices See (5,6,11,13,25)

Overtime: See (5,6,11,13,25) on HOLIDAY PAGE.

REGISTERED APPRENTICES

Wages per hour

(1)year terms:

1st	2nd	3rd	4th
\$23.37	\$28.97	\$37.35	\$45.74

Supplemental benefits per hour:

All Terms: \$ 35.33

8-1556 Db

Carpenter

12/01/2021

JOB DESCRIPTION Carpenter

DISTRICT 8

ENTIRE COUNTIES

Bronx, Kings, Nassau, New York, Queens, Richmond, Rockland, Suffolk, Westchester

WAGES

Per hour: 07/01/2021

Carpet/Resilient

Floor Coverer \$ 54.75

INCLUDES HANDLING & INSTALLATION OF ARTIFICIAL TURF AND SIMILAR TURF INDOORS/OUTDOORS.

SUPPLEMENTAL BENEFITS

Per hour:

\$ 46.97

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (18, 19) on HOLIDAY PAGE.

Paid for 1st & 2nd yr.

Apprentices See (5,6,11,13,16,18,19,25)

Overtime: See (5,6,11,13,16,18,19,25) on HOLIDAY PAGE.

REGISTERED APPRENTICES

Wage per hour - (1) year terms:

1st	2nd	3rd	4th
\$ 24.55	\$ 27.55	\$ 31.80	\$ 39.68

Supplemental benefits per hour:

1st	2nd	3rd	4th
\$ 16.19	\$ 17.69	\$ 21.29	\$ 23.29

8-2287

Carpenter

12/01/2021

JOB DESCRIPTION Carpenter

DISTRICT 8

ENTIRE COUNTIES

Bronx, Dutchess, Kings, Nassau, New York, Orange, Putnam, Queens, Richmond, Rockland, Suffolk, Westchester

WAGES

Per Hour: 07/01/2021

Marine Construction:

Marine Diver	\$ 71.80
Marine Tender	51.34

SUPPLEMENTAL BENEFITS

Per Hour:

Journeyworker \$ 53.33

OVERTIME PAY

See (B, E, E2, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (18, 19) on HOLIDAY PAGE

Overtime: See (5, 6, 10, 11, 13, 16, 18, 19) on HOLIDAY PAGE

REGISTERED APPRENTICES

Wages per hour:

One (1) year terms.

1st year	\$ 23.37
2nd year	28.97
3rd year	37.35
4th year	45.74

Supplemental Benefits

Per Hour:

All terms \$ 35.33

8-1456MC

Carpenter

12/01/2021

JOB DESCRIPTION Carpenter

DISTRICT 8

ENTIRE COUNTIES

Bronx, Kings, Nassau, New York, Putnam, Queens, Richmond, Rockland, Suffolk, Westchester

WAGES

Per hour: 07/01/2021

Building	
Millwright	\$ 57.00

SUPPLEMENTAL BENEFITS

Per hour:

Millwright \$ 54.60

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (18,19) on HOLIDAY PAGE.

Overtime See (5,6,8,11,13,18,19,25) on HOLIDAY PAGE.

REGISTERED APPRENTICES

Wages per hour:

One (1) year terms:

1st.	2nd.	3rd.	4th.
\$30.74	\$36.19	\$41.64	\$52.54

Supplemental benefits per hour:

One (1) year terms:

1st.	2nd.	3rd.	4th.
------	------	------	------

8-740.1

12/01/2021

DISTRICT 8

Bronx, Kings, Nassau, New York, Queens, Richmond, Rockland, Westchester

Putnam: South of but including the following, Cold Spring, Tompkins Corner, Mahopac, Croton Falls, east to Connecticut border.

Suffolk: West of Port Jefferson and Patchogue Road to Route 112 to the Atlantic Ocean.

Per hour: 07/01/2021 10/18/2021

Driller	\$ 41.74	\$ 42.27
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Driller Helper	32.92	33.47
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For Level C, an additional 10% above wage rate per hour

For Level B, an additional 10% above wage rate per hour

For Level A, an additional 10% above wage rate per hour

Note: When required to work on water: an additional \$ 0.50 per hour.

Per hour:

Driller and Helper	\$ 29.40	\$ 30.60
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OVERTIME: See (B,E,K*,P,R**) on OVERTIME PAGE.

Paid: See (5,6) on HOLIDAY PAGE.

Overtime: * See (5,6) on HOLIDAY PAGE.

** See (8,10,11,13) on HOLIDAY PAGE.

8-1536-CoreDriller

12/01/2021

DISTRICT 11

Putnam, Rockland, Westchester

WAGES:(per hour)

07/01/2021

BUILDING/HEAVY & HIGHWAY/TUNNEL:

Carpenter

Base Wage	\$ 37.69
	+ \$7.63*

*For all hours paid straight or premium.

SHIFT DIFFERENTIAL: When it is mandated by a Government Agency irregular or off shift can be worked. The Carpenter shall receive an additional fifteen percent (15%) of wage plus applicable benefits.

NOTE: Carpenters employed in the removal or abatement of asbestos or any toxic or hazardous material or required to work near asbestos or any toxic or hazardous material and required to wear protective equipment shall receive two (2) hours extra pay per day, plus applicable supplemental benefits.

Per hour:

Journeyworker	\$ 31.91
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BUILDING:

See (B, E, Q) on OVERTIME PAGE.

HEAVY&HIGHWAY/TUNNEL:

See (B, E, P, *R, **T, X) on OVERTIME PAGE.

*R applies to Heavy&Highway/Tunnel Overtime Holiday Code 25 with benefits at straight time rate.

**T applies to Heavy&Highway/Tunnel Overtime Holiday Codes 5 & 6 with benefits at straight time rate.

HOLIDAY

BUILDING:

Paid: See (1) on HOLIDAY PAGE.

Overtime: See (5, 6, 16, 25) on HOLIDAY PAGE.

Holidays that fall on Sunday will be observed Monday.

HEAVY&HIGHWAY/TUNNEL:

Paid: See (5, 6, 25) on HOLIDAY PAGE including benefits.

Overtime: See (5, 6, 25) on HOLIDAY PAGE.

REGISTERED APPRENTICES

1 year terms at the following wage rates:

Indentured before July 1 2016

1st	2nd	3rd	4th
\$ 18.85	\$ 22.61	\$ 26.38	\$ 30.15
+3.57*	+3.57*	+3.57*	+3.57*

Indentured after July 1 2016

1st	2nd	3rd	4th	5th
\$ 18.85	\$ 22.61	\$ 24.50	\$ 26.38	\$ 30.15
+3.57*	+3.57*	+3.57*	+3.57*	+3.57*

*For all hours paid straight or premium

SUPPLEMENTAL BENEFITS per hour:

All terms \$ 16.28

11-279.1B/HH

Electrician

12/01/2021

JOB DESCRIPTION Electrician

DISTRICT 11

ENTIRE COUNTIES

Orange, Putnam, Rockland

PARTIAL COUNTIES

Dutchess: Towns of Fishkill, East Fishkill, and Beacon.

WAGES

Per hour:

Electrician Wireman/Technician	07/01/2021 \$ 47.00 +8.50*
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SHIFT DIFFERENTIAL: On Public Work in New York State when shift work is mandated either in the job specifications or by the contracting agency, the following rates apply:

Shift worked between 4:30pm & 12:30am	\$ 55.15 +8.50*
Shift worked between 12:30am & 8:30am	\$ 61.77 +8.50*

*For all hours paid straight or premium, not to be included in 3% calculation for supplemental benefits.

NOTE ADDITIONAL AMOUNTS PAID FOR THE FOLLOWING WORK LISTED BELOW (subject to overtime premiums):

- On jobs where employees are required to work from boatswain chairs, swinging scaffolds, etc., forty (40) feet or more above the ground, or under compressed air, using Scottair packs, gas masks or in shafts or tunnels, they shall receive an additional \$2.00 per hour above the regular straight time rate.

- Journeyman Wireman when performing welding or cable splicing: \$2.00 above the Journeyman Wireman rate of pay.

- Journeyman Wireman required to have a NYS Asbestos Certificate: \$2.00 above the Journeyman Wireman rate of pay.

- Journeyman Wireman required to have a CDL: \$2.00 above the Journeyman Wireman rate of pay.

SUPPLEMENTAL BENEFITS

Per hour:

Journeyman
07/01/2021
\$ 26.19 plus
3% of straight
or premium wage

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (5, 6, 13, 15, 16, 25) on HOLIDAY PAGE

When the holiday falls on a Saturday it is observed the Friday before. When the holiday falls on a Sunday it is observed on the Monday after.

REGISTERED APPRENTICES

WAGES:

(1)year terms at the following rates

07/01/2021	1st	2nd	3rd	4th	5th	6th
1st Shift	\$ 13.50	\$ 18.00	\$ 22.50	\$ 27.00	\$ 31.50	\$ 33.75
	+1.00*	+1.00*	+1.50*	+2.00*	+2.50*	+2.50*
2nd Shift	15.84	21.12	26.40	31.68	36.96	39.61
	+1.00*	+1.00*	+1.50*	+2.00*	+2.50*	+2.50*
3rd Shift	17.75	23.66	29.58	35.49	41.41	44.35
	+1.00*	+1.00*	+1.50*	+2.00*	+2.50*	+2.50*

*For all hours paid straight or premium, not to be included in 3% calculation for supplemental benefits.

SUPPLEMENTAL BENEFITS per hour:

07/01/2021	
1st term	\$ 15.31 plus 3% of straight or premium wage
2nd term	\$ 15.81 plus 3% of straight or premium wage
3rd term	\$ 17.31 plus 3% of straight or premium wage
4th term	\$ 18.31 plus 3% of straight or premium wage
5th term	\$ 19.81 plus 3% of straight or premium wage
6th term	\$ 19.81 plus 3% of straight or premium wage

11-363/1

Elevator Constructor

12/01/2021

JOB DESCRIPTION Elevator Constructor

DISTRICT 4

ENTIRE COUNTIES

Bronx, Kings, Nassau, New York, Queens, Richmond, Suffolk

PARTIAL COUNTIES

Rockland: Entire County except for the Township of Stony Point

Westchester: Entire County except for the Townships of Bedford, Lewisboro, Cortland, Mt. Kisco, North Salem, Pound Ridge, Somers and Yorktown.

WAGES

Per hour:

	07/01/2021	03/17/2022
Elevator Constructor	\$ 72.29	\$ 75.14
Modernization & Service/Repair	56.77	59.09

Four(4), ten(10) hour days may be worked at straight time during a week, Monday thru Friday.

NOTE- In order to use the '4 Day/10 Hour Work Schedule', as your normal schedule, you must submit an 'Employer Registration for Use of 4 Day/10 Hour Work Schedule' form PW30.1; and there must be a dispensation of hours in place on the project. If the PW30.1 IS NOT SUBMITTED you will be liable for overtime payments for work over the allotted hours per day listed.

SUPPLEMENTAL BENEFITS

Per Hour:

Elevator Constructor	\$ 41.92	\$ 43.914
Modernization & Service/Repairs	41.082	42.787

OVERTIME PAY

Constructor See (D, M, T) on OVERTIME PAGE.

Modern/Service See (B, F, S) on OVERTIME PAGE.

HOLIDAY

Paid: See (5, 6, 8, 11, 15, 16, 25) on HOLIDAY PAGE
Overtime: See (5, 6, 8, 11, 15, 16, 25) on HOLIDAY PAGE

REGISTERED APPRENTICES

WAGES PER HOUR:

*Note: 1st, 2nd, 3rd Terms are based on Average wage of Constructor & Modernization.
Terms 4 thru 9 Based on Journeymans wage of classification Working in.

6 MONTH TERMS:

1st Term* 50%	2nd & 3rd Term* 50%	4th & 5th Term 55%	6th & 7th Term 65%	8th & 9th Term 75%
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SUPPLEMENTAL BENEFITS

Elevator Constructor

1st Term	\$ 0.00	\$ 0.00
2nd & 3rd Term	34.05	34.772
4th & 5th Term	34.91	35.606
6th & 7th Term	36.30	37.052
8th & 9th Term	37.70	38.497

Modernization &
Service/Repair

1st Term	\$ 0.00	\$ 0.00
2nd & 3rd Term	34.00	34.672
4th & 5th Term	34.50	35.195
6th & 7th Term	35.83	36.571
8th & 9th Term	37.15	37.938

4-1

Elevator Constructor

12/01/2021

JOB DESCRIPTION Elevator Constructor

DISTRICT 1

ENTIRE COUNTIES

Columbia, Dutchess, Greene, Orange, Putnam, Sullivan, Ulster

PARTIAL COUNTIES

Delaware: Towns of Andes, Bovina, Colchester, Davenport, Delhi, Harpersfield, Hemdon, Kortright, Meredith, Middletown, Roxbury, Hancock & Stamford
Rockland: Only the Township of Stony Point.
Westchester: Only the Townships of Bedford, Lewisboro, Cortland, Mt. Kisco, North Salem, Pound Ridge, Somers and Yorktown.

WAGES

Per Hour	07/01/2021	01/01/2022
Mechanic	\$ 62.51	\$ 64.63
Helper	70% of Mechanic Wage Rate	70% of Mechanic Wage Rate

Four (4), ten (10) hour days may be worked for New Construction and Modernization Work at straight time during a week, Monday thru Thursday or Tuesday thru Friday.

***Four (4), ten (10) hour days are not permitted for Contract Work/Repair Work

NOTE - In order to use the '4 Day/10 Hour Work Schedule' as your normal schedule, you must submit an 'Employer Registration for Use of 4 Day/10 Hour Work Schedule', form PW30.1; and there must be a dispensation of hours in place on the project. If the PW30.1 is not submitted you may be liable for overtime payments for work over 8 hours per day.

SUPPLEMENTAL BENEFITS

Per hour	07/01/2021	01/01/2022
Journeyperson/Helper	\$ 35.825*	\$ 36.885*

(*)Plus 6% of regular hourly if less than 5 years of service. Plus 8% of regular hourly rate if more than 5 years of service.

OVERTIME PAY

See (D, O) on OVERTIME PAGE

HOLIDAY

Paid: See (5, 6, 15, 16) on HOLIDAY PAGE

Overtime: See (5, 6, 15, 16) on HOLIDAY PAGE

Note: When a paid holiday falls on Saturday, it shall be observed on Friday. When a paid holiday falls on Sunday, it shall be observed on Monday.

REGISTERED APPRENTICES

Wages per hour:

0-6 mo*	6-12 mo	2nd yr	3rd yr	4th yr
50 %	55 %	65 %	70 %	80 %

(*)Plus 6% of the hourly rate, no additional supplemental benefits.

Supplemental Benefits per hour worked:

Same as Journeyperson/Helper

1-138

Glazier

12/01/2021

JOB DESCRIPTION Glazier

DISTRICT 8

ENTIRE COUNTIES

Bronx, Dutchess, Kings, Nassau, New York, Orange, Putnam, Queens, Richmond, Rockland, Suffolk, Sullivan, Ulster, Westchester

WAGES

Per hour:	7/01/2021	11/01/2021
Glazier	\$ 58.60	\$ 59.10
*Scaffolding	59.55	60.55
Glass Tinting & Window Film	29.60	29.60
**Repair & Maintenance	29.60	29.60

*Scaffolding includes swing scaffold, mechanical equipment, scissor jacks, man lifts, booms & buckets 24' or more, but not pipe scaffolding.

**Repair & Maintenance- All repair & maintenance work on a particular building, whenever performed, where the total cumulative contract value is under \$148,837. All Glass tinting, window film, regardless of material or intended use, and all affixing of decals to windows or glass.

SUPPLEMENTAL BENEFITS

Per hour:	7/01/2021	11/01/2021
Journeyworker	\$ 36.04	\$ 36.79
Glass tinting & Window Film	21.19	21.19
Repair & Maintenance	21.19	21.19

OVERTIME PAY

See (B,H,V) on OVERTIME PAGE.

For 'Repair & Maintenance' and 'Glass Tinting & Window Film' see (B, B2, I, S) on overtime page.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE

Overtime: See (4, 6, 16, 25) on HOLIDAY PAGE

For 'Repair & Maintenance' and 'Glass Tinting & Window Film' Only

Paid: See(5, 6, 16, 25)

Overtime: See(5, 6, 16, 25)

REGISTERED APPRENTICES

Wage per hour:

(1) year terms at the following wage rates:	7/01/2021	11/01/2021
1st term	\$ 20.72	\$ 21.00
2nd term	28.66	28.87
3rd term	34.67	34.94
4th term	46.62	47.01

Supplemental Benefits:

(Per hour)

1st term	\$ 16.58	\$ 16.80
2nd term	23.57	23.99
3rd term	26.09	26.57
4th term	30.91	31.52

8-1087 (DC9 NYC)

Insulator - Heat & Frost

12/01/2021

JOB DESCRIPTION Insulator - Heat & Frost

DISTRICT 8

ENTIRE COUNTIES

Dutchess, Orange, Putnam, Rockland, Westchester

WAGES

Per hour:	07/01/2021	05/31/2022
Insulator	\$ 56.25	+ \$ 2.00
Discomfort & Additional Training**	59.22	+ \$ 2.00
Fire Stop Work*	30.07	+ \$ 2.00

* Applies on all exclusive Fire Stop Work (When contract is for Fire Stop work only). No apprentices on these contracts only.

**Applies to work requiring: garb or equipment worn against the body not customarily worn by insulators; psychological evaluation; special training, including but not limited to "Yellow Badge" radiation training

Note: Additional \$0.50 per hour for work 30 feet or more above floor or ground level.

SUPPLEMENTAL BENEFITS

Per hour:

Journeyworker	\$ 35.10
Discomfort & Additional Training	37.06
Fire Stop Work: Journeyworker	17.90

OVERTIME PAY

See (B, E, E2, Q, *T) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE

Note: Last working day preceding Christmas and New Years day, workers shall work no later than 12:00 noon and shall receive 8 hrs pay.

Overtime: See (2*, 4, 6, 16, 25) on HOLIDAY PAGE.

*Note: Labor Day triple time if worked.

REGISTERED APPRENTICES

(1) year terms:

Insulator Apprentices:

1st	2nd	3rd	4th
\$ 30.07	\$ 35.30	\$ 40.54	\$ 45.78

Discomfort & Additional Training Apprentices:

1st	2nd	3rd	4th
\$ 31.55	\$ 37.08	\$ 42.61	\$ 48.16

Supplemental Benefits paid per hour:

Insulator Apprentices:

1st term	\$ 17.90
2nd term	21.35
3rd term	24.79
4th term	28.23

Discomfort & Additional Training Apprentices:

1st term	\$ 18.89
2nd term	22.52
3rd term	26.16
4th term	29.80

8-91

Ironworker

12/01/2021

JOB DESCRIPTION Ironworker

DISTRICT 4

ENTIRE COUNTIES

Bronx, Kings, Nassau, New York, Queens, Richmond, Suffolk, Westchester

PARTIAL COUNTIES

Rockland: Southern section - south of Convent Road and east of Blue Hills Road.

WAGES

Per hour: 07/01/2021

Reinforcing &
Metal Lathing \$ 56.25

"Base" Wage \$ 54.70
plus \$ 1.55

"Base" Wage is used to calculate overtime hours only.

SUPPLEMENTAL BENEFITS

Per hour:
Reinforcing & \$ 38.30
Metal Lathing

OVERTIME PAY

See (B, E, Q, *X) on OVERTIME PAGE

*Only \$22.00 per Hour for non worked hours

Supplemental Benefit Premiums for Overtime Hours worked:

Time & One Half \$ 45.08
Double Time \$ 51.33

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (5, 6, 11, 13, 18, 19, 25) on HOLIDAY PAGE

REGISTERED APPRENTICES

(1) year terms at the following wage rates:

1st term	2nd term	3rd term	4th Term
Wage Per Hour: \$ 22.55	\$ 28.38	\$ 34.68	\$ 37.18
"Base" Wage \$ 21.00	\$ 26.80	\$ 33.10	\$ 35.60
plus \$1.55	plus \$1.58	plus \$1.58	plus \$1.58

"Base" Wage is used to calculate overtime hours ONLY.

SUPPLEMENTAL BENIFITS

Per Hour:

1st term	2nd term	3rd term	4th Term
\$ 18.17	\$ 21.34	\$ 22.00	\$ 20.50

4-46Reinf

Ironworker

12/01/2021

JOB DESCRIPTION Ironworker

DISTRICT 11

ENTIRE COUNTIES

Dutchess, Orange, Putnam, Rockland, Sullivan, Ulster

WAGES

Per hour:

	07/01/2021	07/01/2022 Additional	07/01/2023 Additional
Structural	\$ 50.18	\$ 2.33	\$ 2.34
Reinforcing*	50.18	2.33	2.34
Ornamental	50.18	2.33	2.34
Chain Link Fence	50.18	2.33	2.34

*NOTE: For Reinforcing classification ONLY, Ironworker 4-46Reinf rates apply in Rockland County's southern section (south of Convent Road and east of Blue Hills Road).

On Government Mandated Irregular Work Days or Shift Work, the following wage will be paid:

1st Shift	\$ 50.18
2nd Shift	64.04
3rd Shift	68.66

**Note- Any shift that works past 12:00 midnight shall receive the 3rd shift differential.

SUPPLEMENTAL BENEFITS

Per hour:

Journeyman	\$ 40.90
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OVERTIME PAY

See (B1, Q, V) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (5, 6, 16) on HOLIDAY PAGE

If a holiday falls on Saturday, it will be observed Friday. If a holiday falls on Sunday, it will be observed Monday.

REGISTERED APPRENTICES

Wages:

(1) year terms at the following wage:

	1st yr	2nd yr	3rd yr	4th yr
1st Shift	\$ 25.09	\$ 30.11	\$ 35.13	\$ 40.14
2nd Shift	34.31	40.25	46.20	52.14
3rd Shift	37.38	43.64	49.89	56.14

Supplemental Benefits per hour:

1st year	\$ 35.05
2nd year	36.22
3rd year	37.39
4th year	38.56

11-417

Laborer - Building

12/01/2021

JOB DESCRIPTION Laborer - Building

DISTRICT 11

ENTIRE COUNTIES

Rockland

WAGES

GROUP C: Liners, joint setters.

GROUP D: Air track operators.

GROUP E: Sealers, power buggy operators, mixer men, brush king, jack hammer, pavement breakers, vibrator men, powder men, torchmen, cement spray men.

GROUP F: Hazardous Waste Handler, Asbestos Removal, Mold Removal, Lead Removal and Bio Remediation where protective gear is needed.

GROUP H: Mason tender, rip rap and dry stone layers, concrete laborer, pipe layers, signal men, gabion basket assemblers, asphalt men, wrecking and demolition men.

GROUP I: Landscaping, flagmen, pitmen, dump men, temporary heat, building laborer (clean up).

WAGES: (per hour)	07/01/2021	05/01/2022 Additional
GROUP C	\$ 43.10	\$ 2.10
GROUP D	43.65	2.10
GROUP E	42.80	2.10
GROUP F	44.80	2.10
GROUP H	42.56	2.10
GROUP I	39.55	2.10

SHIFT DIFFERENTIAL: On all Governmental mandated or irregular or off shift work, an additional 20% of the wage will be paid hourly.

NOTE: All work five feet or more outside the building foundation line shall be deemed Heavy & Highway

SUPPLEMENTAL BENEFITS

Per Hour:

Journeyman \$ 26.88

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE.

Overtime: See (5, 6, 15, 25) on HOLIDAY PAGE.

REGISTERED APPRENTICES

(1000) hour terms at the following wages.

1st	2nd	3rd	4th
\$ 21.45	\$ 25.35	\$ 29.25	\$ 33.15

Supplemental Benefits per hour:

All Terms \$ 26.15

11-754B

Laborer - Heavy&Highway

12/01/2021

JOB DESCRIPTION Laborer - Heavy&Highway

DISTRICT 11

ENTIRE COUNTIES

Rockland

WAGES

CLASS 1: Flagperson, gateperson.

CLASS 2: General laborer, chuck tender, nipper, powder carrier, magazine tender, concrete men, vibrator men, mason tender, mortar men, traffic control, custodial work, temporary heat, pump men, pit men, dump men, asphalt men, joint setter, signalman, pipe men, riprap, dry stone layers, jack hammer, bush hammer, pavement breaker, gunnite nozzle, men on mulching & seeding machines, all seeding & sod laying, landscape work, walk behind self-propelled power saws, grinder, groover, walk behind rollers and tampers of all types, burner men, filling and wiring of baskets for gabion walls, chain saw operator, railroad track laborers, power buggy & pumpcrete ops., plaster & acoustic pump, power brush cutter, retention liners, walk behind surface planer, chipping hammer, manhole, catch basin or inlet installing, mortar mixer, laser men. *Micropaving and crack sealing.

CLASS 3: Asbestos, toxic, bio remediation and phyto remediation, lead or hazardous materials abatement when certification or license is required, Drilling Equipment Only Where a Separate Air Compressor Unit Supplies Power.

CLASS 4: Asphalt screedman, blaster, all laborers involved in pipejacking and boring operations not exceeding more than 10 feet into pipe, boring or drilled area.

WAGES: (per hour)	07/01/2021	06/01/2022 Additional	06/01/2023 Additional	06/01/2024 Additional
Class 1	\$ 40.40	\$ 2.50	\$ 2.15	\$ 2.25
Class 2	43.90	2.50	2.25	2.35
Class 3	48.20	2.35	2.40	2.45
Class 4	49.50	3.15	3.70	4.10

* When laborers are performing micro paving, crack sealing or slurry application when not part of asphalt prep operations laborers shall receive an additional \$2.50 per hour over rate.

SHIFT DIFFERENTIAL: Night work and irregular shift require 20% increase on wages for all Government mandated night and irregular shift work.

Four (4), ten (10) hour days may be worked at straight time during a week, Monday thru Thursday. Friday may be used as a make-up day.
NOTE - In order to use the '4 Day/10 Hour Work schedule', as your normal schedule, you must submit an 'Employer Registration for Use of 4 Day/10 Hour Work Schedule,' form PW30.1; and there must be a dispensation of hours in place on the project. If the PW30.1 is not submitted you may be liable for overtime payments for work over 8 hours per day.

SUPPLEMENTAL BENEFITS

Per hour:

Journeyman	\$ 28.08
Shift Differential	33.33

OVERTIME PAY

See (B, E, P, *R, **S, ***T, X) on OVERTIME PAGE

*For Mon-Fri Holidays, Double Benefits to be paid for all hours worked.

**For Saturday Holidays, Two and one Half Benefits for all hours worked.

***For Sunday Holidays, Triple Benefits for all hours worked.

HOLIDAY

Paid: See (5, 6, 15, 25) on HOLIDAY PAGE

Overtime: See (5, 6, 15, 25) on HOLIDAY PAGE

REGISTERED APPRENTICES

(1000) hour terms at the following wages.

	07/01/2021	06/01/2022
1st term	\$ 21.45	\$ 22.22
2nd term	25.35	26.26
3rd term	29.25	30.30
4th term	33.15	34.34

Supplemental Benefits per hour:

All Terms Regular	\$ 26.15	\$ 27.20
All Terms Shift Rate	31.10	TBD

11-754H/H

Laborer - Tunnel

12/01/2021

JOB DESCRIPTION Laborer - Tunnel

DISTRICT 11

ENTIRE COUNTIES

Columbia, Dutchess, Greene, Orange, Otsego, Putnam, Rockland, Sullivan, Ulster, Westchester

PARTIAL COUNTIES

Chenango: Townships of Columbus, Sherburne and New Berlin.

Delaware: Townships of Andes, Bovina, Middletown, Roxbury, Franklin, Hamden, Stamford, Delhi, Kortright, Harpersfield, Merideth and Davenport.

WAGES

Class 1: All support laborers/sandhogs working above the shaft or tunnel.

Class 2: All laborers/sandhogs working in the shaft or tunnel.

Class 4: Safety Miners

Class 5: Site work related to Shaft/Tunnel

WAGES: (per hour)

	07/01/2021	07/01/2022
Class 1	\$ 51.95	\$ 53.45
Class 2	54.10	55.60
Class 4	60.50	62.00
Class 5	43.50	44.80

Toxic and hazardous waste, lead abatement and asbestos abatement work will be paid an additional \$ 3.00 an hour.

SHIFT DIFFERENTIAL...On all Government mandated irregular shift work:

- Employee shall be paid at time and one half the regular rate Monday through Friday.
- Saturday shall be paid at 1.65 times the regular rate.
- Sunday shall be paid at 2.15 times the regular rate.

SUPPLEMENTAL BENEFITS

Per hour:

Benefit 1	\$ 33.25	\$ 34.45
Benefit 2	49.81	51.60
Benefit 3	66.35	68.75

Benefit 1 applies to straight time hours, paid holidays not worked.

Benefit 2 applies to over 8 hours in a day (M-F), irregular shift work hours worked, and Saturday hours worked.

Benefit 3 applies to Sunday and Holiday hours worked.

OVERTIME PAY

See (B, E, Q, X) on OVERTIME PAGE

HOLIDAY

Paid: See (5, 6, 15, 25) on HOLIDAY PAGE

Overtime: See (5, 6, 15, 16, 25) on HOLIDAY PAGE

When a recognized Holidays falls on Saturday or Sunday, holidays falling on Saturday shall be recognized or observed on Friday and holidays falling on Sunday shall be recognized or observed on Monday. Employees ordered to work on the Saturday or Sunday of the holiday or on the recognized or the observed Friday or Monday for those holidays falling on Saturday or Sunday shall receive double time the established rate and benefits for the holiday.

REGISTERED APPRENTICES

FOR APPRENTICE RATES, refer to the appropriate Laborer Heavy & Highway wage rate contained in the wage schedule for the County and location where the work is to be performed.

11-17/60/235/754Tun

Lineman Electrician

12/01/2021

JOB DESCRIPTION Lineman Electrician

DISTRICT 6

ENTIRE COUNTIES

Albany, Allegany, Broome, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Clinton, Columbia, Cortland, Delaware, Dutchess, Erie, Essex, Franklin, Fulton, Genesee, Greene, Hamilton, Herkimer, Jefferson, Lewis, Livingston, Madison, Monroe, Montgomery, Niagara, Oneida, Onondaga, Ontario, Orange, Orleans, Oswego, Otsego, Putnam, Rensselaer, Rockland, Saratoga, Schenectady, Schoharie, Schuyler, Seneca, St. Lawrence, Steuben, Sullivan, Tioga, Tompkins, Ulster, Warren, Washington, Wayne, Wyoming, Yates

WAGES

Per hour:

NOTE: Includes Teledata Work within ten (10) feet of High Voltage Transmission Lines

Below rates applicable on all overhead and underground distribution and maintenance work, and all overhead and underground transmission line work and the installation of fiber optic cable where no other construction trades are or have been involved. (Ref #14.01.01)

	07/01/2021	05/02/2022	05/01/2023	05/06/2024
Lineman, Technician	\$ 54.70	\$ 56.00	\$ 57.40	\$ 58.90
Crane, Crawler Backhoe	54.70	56.00	57.40	58.90
Welder, Cable Splicer	54.70	56.00	57.40	58.90
Digging Mach. Operator	49.23	50.40	51.66	53.01
Tractor Trailer Driver	46.50	47.60	48.79	50.07
Groundman, Truck Driver	43.76	44.80	45.92	47.12
Equipment Mechanic	43.76	44.80	45.92	47.12
Flagman	32.82	33.60	34.44	35.34

Additional \$1.00 per hour for entire crew when a helicopter is used.

Below rates applicable on all electrical sub-stations, switching structures, fiber optic cable and all other work not defined as "Utility outside electrical work". (Ref #14.02.01-A)

Lineman, Technician	\$ 54.70	\$ 56.00	\$ 57.40	\$ 58.90
Crane, Crawler Backhoe	54.70	56.00	57.40	58.90
Cable Splicer	60.17	61.60	63.14	64.79
Certified Welder -				
Pipe Type Cable	57.44	58.80	60.27	61.85
Digging Mach. Operator	49.23	50.40	51.66	53.01
Tractor Trailer Driver	46.50	47.60	48.79	50.07
Groundman, Truck Driver	43.76	44.80	45.92	47.12
Equipment Mechanic	43.76	44.80	45.92	47.12
Flagman	32.82	33.60	34.44	35.34

Additional \$1.00 per hour for entire crew when a helicopter is used.

Below rates apply on switching structures, maintenance projects, railroad catenary install/maintenance third rail installation, bonding of rails and pipe type cable and installation of fiber optic cable. (Ref #14.02.01-B)

Lineman, Tech, Welder	\$ 56.02	\$ 57.32	\$ 58.72	\$ 60.22
Crane, Crawler Backhoe	56.02	57.32	58.72	60.22
Cable Splicer	61.62	63.05	64.59	66.24
Certified Welder -				
Pipe Type Cable	58.82	60.19	61.66	63.23
Digging Mach. Operator	50.42	51.59	52.85	54.20
Tractor Trailer Driver	47.62	48.72	49.91	51.19
Groundman, Truck Driver	44.82	45.86	46.98	48.18
Equipment Mechanic	44.82	45.86	46.98	48.18
Flagman	33.61	34.39	35.23	36.13

Additional \$1.00 per hour for entire crew when a helicopter is used.

Below rates applicable on all overhead and underground transmission line work & fiber optic cable where other construction trades are or have been involved. This applies to transmission line work only, not other construction. (Ref #14.03.01)

Lineman, Tech, Welder	\$ 57.21	\$ 58.51	\$ 59.91	\$ 61.41
Crane, Crawler Backhoe	57.21	58.51	59.91	61.41
Cable Splicer	57.21	58.51	59.91	61.41
Digging Mach. Operator	51.49	52.66	53.92	55.27
Tractor Trailer Driver	48.63	49.73	50.92	52.20
Groundman, Truck Driver	45.77	46.81	47.93	49.13
Equipment Mechanic	45.77	46.81	47.93	49.13
Flagman	34.33	35.11	35.95	36.85

Additional \$1.00 per hour for entire crew when a helicopter is used.

NOTE: THE FOLLOWING RATES WILL APPLY ON ALL CONTRACTING AGENCY MANDATED MULTIPLE SHIFTS OF AT LEAST FIVE (5) DAYS DURATION WORKED BETWEEN THE HOURS LISTED BELOW:

1ST SHIFT	8:00 AM to 4:30 PM REGULAR RATE
2ND SHIFT	4:30 PM to 1:00 AM REGULAR RATE PLUS 17.3 %
3RD SHIFT	12:30 AM to 9:00 AM REGULAR RATE PLUS 31.4 %

Four (4), ten (10) hour days may be worked at straight time during a week, Monday thru Thursday. Friday may be used as a make-up day. Tuesday thru Friday may be worked with no make-up day.

NOTE - In order to use the '4 Day/10 Hour Work schedule', as your normal schedule, you must submit an 'Employer Registration for Use of 4 Day/10 Hour Work Schedule,' form PW30.1; and there must be a dispensation of hours in place on the project. If the PW30.1 is not submitted you may be liable for overtime payments for work over 8 hours per day.

SUPPLEMENTAL BENEFITS

Per hour worked (but also required on non-worked holidays):

	\$25.40	\$ 25.90	\$ 26.40	\$ 26.90
	*plus 7% of hourly wage	*plus 7% of hourly wage	*plus 7% of hourly wage	*plus 7% of hourly wage
Journeyman Lineman or Equipment Operators with Crane License	\$ 26.40	\$ 27.90	\$ 29.40	\$ 30.90
	*plus 7% of hourly wage	*plus 7% of hourly wage	*plus 7% of hourly wage	*plus 7% of hourly wage

*The 7% is based on the hourly wage paid, straight time or premium time.

OVERTIME PAY

See (B, E, Q,) on OVERTIME PAGE. *Note* Double time for all emergency work designated by the Dept. of Jurisdiction.

NOTE: WAGE CAP - Double the straight time hourly base wage shall be the maximum hourly wage compensation for any hour worked. Contractor is still responsible to pay the hourly benefit amount for each hour worked.

HOLIDAY

Paid	See (5, 6, 8, 13, 25) on HOLIDAY PAGE plus Governor of NYS Election Day.
Overtime	See (5, 6, 8, 13, 25) on HOLIDAY PAGE plus Governor of NYS Election Day.

NOTE: All paid holidays falling on Saturday shall be observed on the preceding Friday. All paid holidays falling on Sunday shall be observed on the following Monday. Supplements for holidays paid at straight time.

REGISTERED APPRENTICES

WAGES per hour: 1000 hour terms at the following percentage of the applicable Journeyman Lineman wage.

1st	2nd	3rd	4th	5th	6th	7th
60%	65%	70%	75%	80%	85%	90%

SUPPLEMENTAL BENEFITS per hour:

07/01/2021	05/02/2022	05/01/2023	05/06/2024
\$25.40	\$ 25.90	\$ 26.40	\$ 26.90
*plus 7% of hourly Wage	*plus 7% of hourly wage	*plus 7% of hourly wage	*plus 7% of hourly wage

*The 7% is based on the hourly wage paid, straight time or premium time.

6-1249a

Lineman Electrician - Teledata

12/01/2021

JOB DESCRIPTION Lineman Electrician - Teledata

DISTRICT 6

ENTIRE COUNTIES

Albany, Allegany, Broome, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Clinton, Columbia, Cortland, Delaware, Dutchess, Erie, Essex, Franklin, Fulton, Genesee, Greene, Hamilton, Herkimer, Jefferson, Lewis, Livingston, Madison, Monroe, Montgomery, Niagara, Oneida, Onondaga, Ontario, Orange, Orleans, Oswego, Otsego, Putnam, Rensselaer, Rockland, Saratoga, Schenectady, Schoharie, Schuyler, Seneca, St. Lawrence, Steuben, Sullivan, Tioga, Tompkins, Ulster, Warren, Washington, Wayne, Westchester, Wyoming, Yates

WAGES

Per hour:

For outside work, stopping at first point of attachment (demarcation).
07/01/2021

Cable Splicer	\$ 34.78
Installer, Repairman	\$ 33.01
Teledata Lineman	\$ 33.01
Tech., Equip. Operator	\$ 33.01
Groundman	\$ 17.50

NOTE: EXCLUDES Teledata work within ten (10) feet of High Voltage (600 volts and over) transmission lines. For this work please see LINEMAN.

NOTE: THE FOLLOWING RATES WILL APPLY ON ALL CONTRACTING AGENCY MANDATED MULTIPLE SHIFTS OF AT LEAST FIVE (5) DAYS DURATION WORKED:

1ST SHIFT	REGULAR RATE
2ND SHIFT	REGULAR RATE PLUS 10%
3RD SHIFT	REGULAR RATE PLUS 15%

SUPPLEMENTAL BENEFITS

Per hour:

Journeyman	\$ 5.14
	*plus 3% of wage paid

*The 3% is based on the hourly wage paid, straight time rate or premium rate.

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

NOTE: WAGE CAP - Double the straight time hourly base wage shall be the maximum hourly wage compensation for any hour worked. Contractor is still responsible to pay the hourly benefit amount for each hour worked.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (5, 6, 16) on HOLIDAY PAGE

6-1249LT - Teledata

Lineman Electrician - Traffic Signal, Lighting

12/01/2021

JOB DESCRIPTION Lineman Electrician - Traffic Signal, Lighting

DISTRICT 6

ENTIRE COUNTIES

Columbia, Dutchess, Orange, Putnam, Rockland, Ulster

WAGES

Lineman/Technician shall perform all overhead aerial work. A Lineman/Technician on the ground will install all electrical panels, connect all grounds, install and connect all electrical conductors which includes, but is not limited to road loop wires; conduit and plastic or other type pipes that carry conductors, flex cables and connectors, and to oversee the encasement or burial of such conduits or pipes.

A Groundman/Groundman Truck Driver shall: Build and set concrete forms, handle steel mesh, set footer cages, transport concrete in a wheelbarrow, hand or machine concrete vibrator, finish concrete footers, mix mortar, grout pole bases, cover and maintain footers while curing in cold weather, operate jack hammer, operate hand pavement breaker, tamper, concrete and other motorized saws, as a drill helper, operate and maintain generators, water pumps, chainsaws, sand blasting, operate mulching and seeding machine, air tools, electric tools, gas tools, load and unload materials, hand shovel and/or broom, prepare and pour mastic and other fillers, assist digger operator equipment operator in ground excavation and restoration, landscape work and painting. Only when assisting a lineman technician, a groundman/truck driver may assist in installing conduit, pipe, cables and equipment.

A flagger's duties shall consist of traffic control only.
(Ref #14.01.02)

Per hour:	07/01/2021	05/02/2022	05/01/2023	05/06/2024
Lineman, Technician	\$ 48.43	\$ 49.47	\$ 50.60	\$ 51.82
Crane, Crawler Backhoe	48.43	49.47	50.60	51.82
Certified Welder	50.85	51.94	53.13	54.41
Digging Machine	43.59	44.52	45.54	46.64
Tractor Trailer Driver	41.17	42.05	43.01	44.05
Groundman, Truck Driver	38.74	39.58	40.48	41.46
Equipment Mechanic	38.74	39.58	40.48	41.46
Flagman	29.06	29.68	30.36	31.09

Above rates are applicable for installation, testing, operation, maintenance and repair on all Traffic Control (Signal) and Illumination (Lighting) projects, Traffic Monitoring Systems, and Road Weather Information Systems. Includes digging of holes for poles, anchors, footer foundations for electrical equipment; assembly of all electrical materials or raceway; placing of fish wire; pulling of cables, wires or fiber optic cable through such raceways; splicing of conductors; dismantling of such structures, lines or equipment.

NOTE: THE FOLLOWING RATES WILL APPLY ON ALL CONTRACTING AGENCY MANDATED MULTIPLE SHIFTS OF AT LEAST FIVE (5) DAYS DURATION WORKED BETWEEN THE HOURS LISTED BELOW:

1ST SHIFT	8:00 AM TO 4:30 PM REGULAR RATE
2ND SHIFT	4:30 PM TO 1:00 AM REGULAR RATE PLUS 17.3%
3RD SHIFT	12:30 AM TO 9:00 AM REGULAR RATE PLUS 31.4%

Four (4), ten (10) hour days may be worked at straight time during a week, Monday thru Thursday. Friday may be used as a make-up day. Tuesday thru Friday may be worked with no make-up day.

NOTE - In order to use the '4 Day/10 Hour Work schedule', as your normal schedule, you must submit an 'Employer Registration for Use of 4 Day/10 Hour Work Schedule,' form PW30.1; and there must be a dispensation of hours in place on the project. If the PW30.1 is not submitted you may be liable for overtime payments for work over 8 hours per day.

SUPPLEMENTAL BENEFITS

Per hour worked (but also required on non-worked holidays):

	\$25.40 *plus 7% of hourly Wage	\$ 25.90 *plus 7% of hourly wage	\$ 26.40 *plus 7% of hourly wage	\$ 26.90 *plus 7% of hourly wage
Journeyman Lineman or Equipment Operators with Crane License	\$ 26.40 *plus 7% of hourly wage	\$ 27.90 *plus 7% of hourly wage	\$ 29.40 *plus 7% of hourly wage	\$ 30.90 *plus 7% of hourly wage

*The 7% is based on the hourly wage paid, straight time or premium time.

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE. *Note* Double time for all emergency work designated by the Dept. of Jurisdiction.

NOTE: WAGE CAP - Double the straight time hourly base wage shall be the maximum hourly wage compensation for any hour worked. Contractor is still responsible to pay the hourly benefit amount for each hour worked.

HOLIDAY

Paid: See (5, 6, 8, 13, 25) on HOLIDAY PAGE and Governor of NYS Election Day.

Overtime: See (5, 6, 8, 13, 25) on HOLIDAY PAGE and Governor of NYS Election Day.

NOTE: All paid holidays falling on Saturday shall be observed on the preceding Friday. All paid holidays falling on Sunday shall be observed on the following Monday. Supplements for holidays paid at straight time.

REGISTERED APPRENTICES

WAGES per hour: 1000 hour terms at the following percentage of the applicable Journeyman Lineman wage.

1st	2nd	3rd	4th	5th	6th	7th
60%	65%	70%	75%	80%	85%	90%

SUPPLEMENTAL BENEFITS per hour:

07/01/2021	05/02/2022	05/01/2023	05/06/2024
\$25.40	\$ 25.90	\$ 26.40	\$ 26.90
*plus 7% of hourly Wage	*plus 7% of hourly wage	*plus 7% of hourly wage	*plus 7% of hourly wage

*The 7% is based on the hourly wage paid, straight time or premium time.

6-1249aReg8LT

Lineman Electrician - Tree Trimmer

12/01/2021

JOB DESCRIPTION Lineman Electrician - Tree Trimmer

DISTRICT 6

ENTIRE COUNTIES

Albany, Allegany, Broome, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Clinton, Columbia, Cortland, Delaware, Dutchess, Erie, Essex, Franklin, Fulton, Genesee, Greene, Hamilton, Herkimer, Jefferson, Lewis, Livingston, Madison, Monroe, Montgomery, Niagara, Oneida, Onondaga, Ontario, Orange, Orleans, Oswego, Otsego, Putnam, Rensselaer, Rockland, Saratoga, Schenectady, Schoharie, Schuyler, Seneca, St. Lawrence, Steuben, Sullivan, Tioga, Tompkins, Ulster, Warren, Washington, Wayne, Wyoming, Yates

WAGES

Applies to line clearance, tree work and right-of-way preparation on all new or existing energized overhead or underground electrical, telephone and CATV lines. This also would include stump removal near underground energized electrical lines, including telephone and CATV lines.

Per hour:	07/01/2021	01/02/2022	12/31/2023
Tree Trimmer	\$ 27.36	\$ 28.25	\$ 29.80
Equipment Operator	24.19	24.98	26.35
Equipment Mechanic	24.19	24.98	26.35
Truck Driver	20.15	20.80	21.94
Groundman	16.59	17.13	18.07
Flag person	12.50*	12.50*	13.03*

*NOTE: Subject to change due to any minimum wage increases. Rate effective 12/31/2021: \$13.20

SUPPLEMENTAL BENEFITS

Per hour worked (but also required on non-worked holidays):

Journeyman	\$ 9.98	\$ 10.23	\$ 10.48
	*plus 3% of hourly wage	*plus 3% of hourly wage	*plus 3% of hourly wage

* The 3% is based on the hourly wage paid, straight time rate or premium rate.

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

NOTE: WAGE CAP - Double the straight time hourly base wage shall be the maximum hourly wage compensation for any hour worked. Contractor is still responsible to pay the hourly benefit amount for each hour worked.

HOLIDAY

Paid: See (5, 6, 8, 15) on HOLIDAY PAGE

Overtime: See (5, 6, 8, 15, 16, 25) on HOLIDAY PAGE

NOTE: All paid holidays falling on a Saturday shall be observed on the preceding Friday.

All paid holidays falling on a Sunday shall be observed on the following Monday.

6-1249TT

Mason - Building

12/01/2021

JOB DESCRIPTION Mason - Building

DISTRICT 9

ENTIRE COUNTIES

Nassau, Rockland, Suffolk, Westchester

WAGES

Per hour:	07/01/2021	12/06/2021	06/06/2022
Tile Finisher	\$ 46.89	\$ 47.18	Additional \$ 0.58

SUPPLEMENTAL BENEFITS

Per Hour:	\$ 21.91*	\$ 22.01*
	+ \$9.84	+ \$9.84

*This portion of benefits subject to same premium rate as shown for overtime wages

OVERTIME PAY

See (B, E, Q, *V) on OVERTIME PAGE

Work beyond 10 hours on a Saturday shall be paid at double the hourly wage rate.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (5, 6, 11, 15, 16, 25) on HOLIDAY PAGE

9-7/88A-tf

Mason - Building 12/01/2021

JOB DESCRIPTION Mason - Building

DISTRICT 9

ENTIRE COUNTIES

Nassau, Rockland, Suffolk, Westchester

WAGES

Per hour:	07/01/2021	12/06/2021	06/06/2022
Tile Setters	\$ 61.07	\$ 61.44	Additional \$ 0.72

SUPPLEMENTAL BENEFITS

Per Hour:	\$ 24.91*	\$ 25.01*
	+ \$10.01	+ \$10.02

* This portion of benefits subject to same premium rate as shown for overtime wages.

OVERTIME PAY

See (B, E, Q, V) on OVERTIME PAGE

Work beyond 10 hours on Saturday shall be paid at double the hourly wage rate.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (5, 6, 11, 15, 16, 25) on HOLIDAY PAGE

REGISTERED APPRENTICES

Wage per hour:

Tile Setters:
(750 hour) term at the following wage rate:

Term:	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
	1-750	751-1500	1501-2250	2251-3000	3001-3750	3751-4500	4501-5250	5251-6000	6001-6750	6501-7000
07/01/2021	\$20.84	\$25.66	\$32.68	\$37.50	\$40.99	\$44.30	\$47.82	\$52.63	\$55.35	\$59.34

Supplemental Benefits per hour:

1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
\$12.55*	\$12.55*	\$15.16*	\$15.16*	\$16.16*	\$17.66*	\$18.66*	\$18.66*	\$16.66*	\$21.91*
+\$0.66	+\$0.71	+\$0.81	+\$0.85	+\$1.23	+\$1.28	+\$1.63	+\$1.68	+\$5.83	+\$6.32

* This portion of benefits subject to same premium rate as shown for overtime wages.

9-7/52A

Mason - Building 12/01/2021

JOB DESCRIPTION Mason - Building

DISTRICT 11

ENTIRE COUNTIES

Putnam, Rockland, Westchester

PARTIAL COUNTIES

Orange: Only the Township of Tuxedo.

WAGES

Per hour:

	07/01/2021	06/01/2022 Additional	06/01/2023 Additional
Bricklayer	\$ 43.35	\$ 2.39	\$ 2.05
Cement Mason	43.35	2.39	2.05
Plasterer/Stone Mason	43.35	2.39	2.05
Pointer/Caulker	43.35	2.39	2.05

Additional \$1.00 per hour for power saw work

Additional \$0.50 per hour for swing scaffold or staging work

SHIFT WORK: When shift work or an irregular work day is mandated or required by state, federal, county, local or other governmental agency contracts, the following premiums apply:

Irregular work day requires 15% premium

Second shift an additional 15% of wage plus benefits to be paid

Third shift an additional 25% of wage plus benefits to be paid

SUPPLEMENTAL BENEFITS

Per hour:

Journeyman \$ 36.05.

OVERTIME PAY

OVERTIME:

Cement Mason See (B, E, Q, W) on OVERTIME PAGE.

All Others See (B, E, Q) on OVERTIME PAGE.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6, 16, 25) on HOLIDAY PAGE

Whenever any of the above holidays fall on Sunday, they will be observed on Monday. Whenever any of the above holidays fall on Saturday, they will be observed on Friday.

REGISTERED APPRENTICES

Wages per hour:

750 hour terms at the following percentage of Journeyman's wage

1st	2nd	3rd	4th	5th	6th	7th	8th
50%	55%	60%	65%	70%	75%	80%	85%

Supplemental Benefits per hour

750 hour terms at the following percentage of journeyman supplements

1st	2nd	3rd	4th	5th	6th	7th	8th
50%	55%	60%	65%	70%	75%	80%	85%

Apprentices indentured before June 1st, 2011 receive full journeyman benefits

11-5wp-b

Mason - Building

12/01/2021

JOB DESCRIPTION Mason - Building

DISTRICT 9

ENTIRE COUNTIES

Bronx, Dutchess, Kings, Nassau, New York, Orange, Putnam, Queens, Richmond, Rockland, Suffolk, Sullivan, Ulster, Westchester

WAGES

Wages:	07/01/2021	01/03/2022 Additional
Marble Cutters & Setters	\$ 61.73	\$ 0.95

SUPPLEMENTAL BENEFITS

Per Hour:

Journeyworker \$ 37.76

OVERTIME PAY

See (B, E, Q, V) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6, 8, 11, 15, 16, 25) on HOLIDAY PAGE

REGISTERED APPRENTICES

Wage Per Hour:

750 hour terms at the following wage.

1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
1-750	751-1500	1501-2250	2251-3000	3001-3750	3751-4500	4501-5250	5251-6000	6001-6751	6751-7500
\$ 24.70	\$ 27.77	\$ 30.87	\$ 33.94	\$ 37.03	\$ 40.11	\$ 43.20	\$ 46.29	\$ 52.46	\$ 58.64

Supplemental Benefits per hour:

1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
\$ 20.01	\$ 21.43	\$ 22.83	\$ 24.25	\$ 25.65	\$ 27.07	\$ 28.47	\$ 29.88	\$ 32.70	\$ 35.51

9-7/4

Mason - Heavy&Highway

12/01/2021

JOB DESCRIPTION Mason - Heavy&Highway

DISTRICT 11

ENTIRE COUNTIES

Putnam, Rockland, Westchester

PARTIAL COUNTIES

Orange: Only the Township of Tuxedo.

WAGES

Per hour:

	07/01/2021	06/01/2022 Additional	06/01/2023 Additional
Bricklayer	\$ 43.85	\$ 2.39	\$ 2.05
Cement Mason	43.85	2.39	2.05
Marble/Stone Mason	43.85	2.39	2.05
Plasterer	43.85	2.39	2.05
Pointer/Caulker	43.85	2.39	2.05

Additional \$1.00 per hour for power saw work

Additional \$0.50 per hour for swing scaffold or staging work

SHIFT WORK: When shift work or an irregular work day is mandated or required by state, federal, county, local or other governmental contracts, the following rates apply:

Irregular work day requires 15% premium

Second shift an additional 15% of wage plus benefits to be paid

Third shift an additional 25% of wage plus benefits to be paid

SUPPLEMENTAL BENEFITS

Per hour:

Journeyman \$ 36.05

OVERTIME PAY

Cement Mason See (B, E, Q, W, X)

All Others See (B, E, Q, X)

HOLIDAY

Paid: See (5, 6, 16, 25) on HOLIDAY PAGE

Overtime: See (5, 6, 16, 25) on HOLIDAY PAGE

Whenever any of the above holidays fall on Sunday, they will be observed on Monday. Whenever any of the above holidays fall on Saturday, they will be observed on Friday.

REGISTERED APPRENTICES

Wages per hour:

750 hour terms at the following percentage of Journeyman's wage

1st	2nd	3rd	4th	5th	6th	7th	8th
50%	55%	60%	65%	70%	75%	80%	85%

Supplemental Benefits per hour

750 hour terms at the following percentage of journeyman supplements

1st	2nd	3rd	4th	5th	6th	7th	8th
50%	55%	60%	65%	70%	75%	80%	85%

Apprentices indentured before June 1st, 2011 receive full journeyman benefits

11-5WP-H/H

Operating Engineer - Building / Heavy&Highway**12/01/2021**

JOB DESCRIPTION Operating Engineer - Building / Heavy&Highway

DISTRICT 11

ENTIRE COUNTIES

Delaware, Orange, Rockland, Sullivan, Ulster

WAGES

CLASS A5: Cranes, Derricks and Pile Drivers 100 tons or more and Tower Cranes, with 140ft boom and over.

CLASS A4: Cranes, Derricks and Pile Drivers 100 tons or more and Tower Cranes, with 100ft to 139ft boom.

CLASS A3: Cranes, Derricks and Pile Drivers 100 tons or more and Tower Cranes with a boom under 100ft.

CLASS A2: Cranes, Derricks and Pile Drivers less than 100 tons with 140ft boom and over.

CLASS A1: Cranes, Derricks and Piler Drivers less than 100 tons with a 100ft to 139ft boom.

CLASS A: Cranes, Derricks and Pile Drivers less than 100 tons with a boom under 100ft.; Autograde Comb. Subgrader, Base Material Spreader and Base Trimmer (CMI and Similar Types); Autograde Pavement profiler (CMI and Similar Types); Autograde Pavement Profiler and Recycle type (CMI and Similar Type); Autograde Placer-Trimmer-Spreader Comb. (CMI & Similar types); Autograde Slipform Paver (CMI & Similar Types); Central Power Plants (all types); Chief of Party; Concrete Paving Machines; Drill (Baur, AMI and Similar Types); Drillmaster, Quarrymaster (Down the Hole Drill), Rotary Drill, Self-Propelled Hydraulic Drill, Self-Powered Drill; Draglines; Elevator Graders; Excavator; Front End Loaders (5 yds.and over); Gradalls; Grader-Rago; Helicopters (Co-Pilot); Helicopters (Communications Engineer);Juntann Pile Driver; Locomotive (Large); Mucking Machines; Pavement & Concrete Breaker, i.e., Superhammer & Hoe Ram; Roadway Surface Grinder; Prentice Truck; Scooper (Loader and Shovel); Shovels; Tree Chopper with Boom; Trench Machines (Cable Plow); Tunnel Boring Machine; Vacuum Truck

CLASS B: "A" Frame; Backhoe (Combination); Boom Attachment on Loaders (Rate based on size of Bucket) not applicable to Pipehook; Boring and Drilling Machines; Brush Chopper, Shredder and Tree Shredder, Tree Shearer; Bulldozer(Fine Grade); Cableways; Carryalls; Concrete Pump; Concrete Pumping System, Pump Concrete and Similar Types; Conveyors (125 ft. and over); Drill Doctor (duties incl. Dust Collector Maintenance); Front End Loaders (2 yds. but less than 5 yds.); Graders (Finish); Groove Cutting Machine (Ride on Type); Heater Planer; Hoists (all type Hoists, shall also include Steam, Gas, Diesel, Electric, Air Hydraulic, Single and Double Drum, Concrete, Brick Shaft Caisson, Snorkel Roof, and/or any other Similar Type Hoisting Machines, portable or stationary, except Chicago Boom Type); Long Boom Rate to be applied if Hoist is "Outside Material Tower Hoist***; Hydraulic Cranes-10 tons and under; Hydraulic Dredge; Hydro-Axe; Hydro Blaster; Jacks-Screw Air Hydraulic Power Operated Unit or Console Type (not hand Jack or Pile Load Test Type); Log Skidder; Pans; Pavers (all) concrete; Plate and Frame Filter Press; Pumpcrete Machines,Squeeze-crete & Concrete Pumping (regardless of size); Scrapers; Side Booms; "Straddle"Carrier-Ross and similar types; Winch Trucks (Hoisting); Whip Hammer

CLASS C: Asphalt Curbing Machine; Asphalt Plant Engineer; Asphalt Spreader; Autograde Tube Finisher and Texturing Machine (CMI & Similar types); Autograde Curecrete Machine (CMI & Similar Types); Autograde Curb Trimmer & Sidewalk, Shoulder, Slipform (CMI & Similar Types); Bar Bending Machines (Power); Batchers, Batching Plant and Crusher on Site; Belt Conveyor Systems; Boom Type Skimmer Machines; Bridge Deck Finisher; Bulldozer(except fine grade); Car Dumpers (Railroad); Compressor and Blower Type Units (used independently or mounted on dual purpose Trucks, on Job Site or in conjunction with jobsite, in Loading and Unloading of Concrete, Cement, Fly Ash, Instacrete, or Similar Type Materials); Compressors (2 or 3 in Battery); Concrete Finishing Machines; Concrete cleaning decontamination machine operator; Concrete Saws and Cutters (Ride-on type); Concrete Spreaders (Hetzl, Rexomatic and Similar Types); Concrete Vibrators; Conveyors (under 125 feet); Crushing Machines; Directional Boring Machines; Ditching Machine-small (Ditch-witch, Vermeer, or Similar type); Dope Pots (Mechanical with or without pump); Dumpsters; Elevator; Fireman; Fork Lifts (Economobile, Lull and Similar Types of Equipment); Front End Loaders (1 yd.and over but under 2 yds.); Generators (2 or 3 in Battery); Giraffe Grinders; Grout Pump; Gunnite Machines (excluding nozzle); Hammer Vibrator (in conjunction with Generator); Heavy Equipment Robotics Operator Technician; Hoists-Roof, Tugger, Aerial Platform Hoist & House Cars; Hoppers; Hopper Doors (power operated); Hydro Blaster; Hydralic Jacking Trailer; Ladders (motorized); Laddervator; Locomotive-dinky type; Maintenance -Utility Man; Master Environmental Maintenance Technician; Mechanics; Mixers (Excepting Paving Mixers); Motor Patrols; Pavement Breakers (small self propelled ride on type-also maintains compressor hydraulic unit); Pavement Breaker-truck mounted; Pipe Bending Machine (Power); Pitch Pump; Plaster Pump (regardless of size); Post Hole Digger (Post Pounder & Auger); Rod Bending Machines (Power); Roller-Black Top; Scales (Power); Seaman pulverizing mixer; Shoulder widener; Silos; Skidsteer (all attachments); Skimmer Machines (boom-type); Steel Cutting Machine (service & maintain); Tam Rock Drill; Tractors; Transfer Machine; Captain (Power Boats); Tug Master (powerboats); Ultra High Pressure Waterjet Cutting Tool System operator/maintenance technician; Vacuum Blasting Machine; Vibrating Plants (used in conjunction with unloading); Welder and Repair Mechanics

CLASS D: Brooms and Sweepers; Chippers; Compressor (single); Concrete Spreaders (small type); Conveyor Loaders (not including Elevator Graders); Engines-large diesel (1620 HP) and Staging Pump; Farm Tractors; Fertilizing Equipment (Operation & Maint. of); Fine Grade Machine (small type); Form Line Graders (small type); Front End Loader (under 1 yard); Generator (single); Grease, Gas, Fuel and Oil supply trucks; Heaters (Nelson or other type incl. Propane, Natural Gas or Flowtype Units); Lights, Portable Generating Light Plants; Mixers (Concrete, small); Mulching Equipment (Operation and Maintenance of); Pumps (2 or less than 4 inch suction); Pumps (4 inch suction and over incl. submersible pumps); Pumps (Diesel Engine and Hydraulic-immaterial of power); Road Finishing Machines (small type); Rollers-grade, fill or stone base; Seeding Equip. (Operation and Maintenance of); Sprinkler & Water Pump Trucks (used on jobsite or in conjunction with jobsite); Steam Jennies and Boilers-irrespective of use; Stone Spreader; Tamping Machines, Vibrating Ride-on; Temporary Heating Plant (Nelson or other type, incl. Propane, Natural Gas or Flow Type Units); Water & Sprinkler Trucks (used on or in conjunction with jobsite); Welding Machines (Gas, Diesel, and/or Electric Converters of any type, single, two, or three in a battery); Wellpoint Systems (including installation by Bull Gang and Maintenance of)

CLASS E: Assistant Engineer/Oiler; Drillers Helper; Maintenance Apprentice (Deck Hand); Maintenance Apprentice (Oiler); Mechanics' Helper; Tire Repair and Maintenance; Transit/Instrument Man

WAGES:(per hour)

	07/01/2021	07/01/2022 Additional
Class A5	\$ 62.52 plus 3.00*	\$ 2.25
Class A4	61.52 plus 3.00*	
Class A3	60.52 plus 3.00*	
Class A2	58.02 plus 3.00*	
Class A1	57.02 plus 3.00*	
Class A	56.02 plus 3.00*	
Class B	54.43 plus 3.00*	
Class C	52.52 plus 3.00*	
Class D	50.89 plus 3.00*	
Class E	49.18 plus 3.00*	
Safety Engineer	56.76 plus 3.00*	

Helicopter:	
Pilot/Engineer	57.84 plus 3.00*
Co Pilot	56.02 plus 3.00*
Communications Engineer	56.02 plus 3.00*

Surveying:	
Chief of Party	56.02 plus 3.00*
Transit/Instrument Man	49.18 plus 3.00*
Rod/Chainman	46.60 plus 3.00*
Additional \$0.75 for Survey work Tunnel under compressed air.	
Additional \$0.50 for Hydrographic work.	

*The \$3.00 is added to the Class Base Wage for all hours worked. Additionally, the \$3.00 is subject to the V-Code listed on the OVERTIME CODE Sheet.

**Outside Material Hoist (Class B) receives additional \$ 1.00 per hour on 110 feet up to 199 feet total height, \$ 2.00 per hour on 200 feet and over total height.

- SHIFT WORK: On all Government mandated irregular or off shift work, an additional 15% on straight time hours.

- On HAZARDOUS WASTE REMOVAL or ASBESTOS REMOVAL work, or any state or federally DESIGNATED HAZARDOUS WASTE SITE:

For projects bid on or before April 1, 2020...Where the Operating Engineer is in direct contact with hazardous material and when personal protective equipment is required for respiratory, skin and eye protection, the Operating Engineer shall receive the hourly wage plus an additional twenty percent (20%) of that wage for the entire shift.

For projects bid after April 1, 2020...On hazardous waste removal work of any kind, including state or federally designated site where the operating engineer is required to wear level A, B, or C personal protection the operating engineer shall receive an hourly wage rate of his regular hourly wage plus \$5.00 per hour. An operating engineer working at a hazardous waste removal project or site at a task requiring hazardous waste related certification, but who is not working in a zone requiring level A, B, or C personal protection, shall receive an hourly wage rate of his regular rate plus \$ 1.00 per hour. This shall also apply to sites where the level D personal protection is required.

SUPPLEMENTAL BENEFITS

Per hour:

Journeyman	\$ 32.45
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SHIFT WORK: On all Government mandated irregular or off shift work, an additional 15% on straight time hours.

OVERTIME PAY

See (B, E, Q, *V, X) on OVERTIME PAGE

*15% premium is also required on shift work benefits

HOLIDAY

Paid: See (5, 6, 10, 13, 15) on HOLIDAY PAGE

Overtime: See (5, 6, 10, 13, 15) on HOLIDAY PAGE

Holidays falling on Sunday will be celebrated on Monday.

REGISTERED APPRENTICES

(1) year terms at the following percentage of journeyman's wage.

1st year	60% of Class wage plus \$3.00*
2nd year	70% of Class wage plus \$3.00*
3rd year	80% of Class wage plus \$3.00*
4th year	90% of Class wage plus \$3.00*

*The \$3.00 is added to the Class Base Wage for all hours worked. Additionally, the \$3.00 is subject to the V-Code listed on the OVERTIME CODE Sheet.

Supplemental Benefits per hour:

Apprentices	\$ 32.45
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11-825

Operating Engineer - Marine Dredging

12/01/2021

JOB DESCRIPTION Operating Engineer - Marine Dredging

DISTRICT 4

ENTIRE COUNTIES

Albany, Bronx, Cayuga, Clinton, Columbia, Dutchess, Essex, Franklin, Greene, Jefferson, Kings, Monroe, Nassau, New York, Orange, Oswego, Putnam, Queens, Rensselaer, Richmond, Rockland, St. Lawrence, Suffolk, Ulster, Washington, Wayne, Westchester

WAGES

These wages do not apply to Operating Engineers on land based construction projects. For those projects, please see the Operating Engineer Heavy/Highway Rates. The wage rates below for all equipment and operators are only for marine dredging work in navigable waters found in the counties listed above.

Per Hour:	07/01/2021	10/01/2021
CLASS A1 Deck Captain, Leverman Mechanical Dredge Operator Licensed Tug Operator 1000HP or more.	\$ 41.42	\$ 41.42
CLASS A2 Crane Operator (360 swing)	36.91	36.91
CLASS B Dozer, Front Loader Operator on Land	To conform to Operating Engineer Prevailing Wage in locality where work is being performed including benefits.	
CLASS B1 Derrick Operator (180 swing) Spider/Spill Barge Operator Operator II, Fill Placer, Engineer, Chief Mate, Electrician, Chief Welder, Maintenance Engineer Licensed Boat, Crew Boat Operator	35.82	35.82
CLASS B2 Certified Welder	33.72	33.72
CLASS C1 Drag Barge Operator, Steward, Mate, Assistant Fill Placer	32.80	32.80
CLASS C2	30.89	31.74

Boat Operator

CLASS D Shoreman, Deckhand, Oiler, Rodman, Scowman, Cook, Messman, Porter/Janitor	25.66	26.37
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SUPPLEMENTAL BENEFITS

Per Hour:

THE FOLLOWING SUPPLEMENTAL BENEFITS APPLY TO ALL CATEGORIES

All Classes A & B	07/01/2021 \$11.98 plus 8% of straight time wage, Overtime hours add \$ 0.63	10/01/2021 \$11.98 plus 8% of straight time wage, Overtime hours add \$ 0.63
All Class C	\$11.68 plus 8% of straight time wage, Overtime hours add \$ 0.48	11.68 plus 8% of straight time wage, Overtime hours add \$ 0.48
All Class D	\$11.38 plus 8% of straight time wage, Overtime hours add \$ 0.33	11.38 plus 8% of straight time wage, Overtime hours add \$ 0.33

OVERTIME PAY

See (B2, F, R) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (5, 6, 8, 15, 26) on HOLIDAY PAGE

4-25a-MarDredge

Operating Engineer - Steel Erectors

12/01/2021

JOB DESCRIPTION Operating Engineer - Steel Erectors

DISTRICT 11

ENTIRE COUNTIES

Delaware, Orange, Rockland, Sullivan, Ulster

WAGES

CLASS A3: Cranes, Derricks and Pile Drivers 100 tons or more and Tower Cranes, with a 140 ft. boom and over.

CLASS A2: Cranes, Derricks and Pile Drivers 100 tons or more and Tower Cranes, with up to a 139 ft. boom and under.

CLASS A1: Cranes, Derricks and Pile Drivers less than 100 tons with a 140 ft. boom and over.

CLASS A: Cranes, Derricks and Pile Drivers less than 100 tons with up to a 139 ft. boom and under.

CLASS B: "A" Frame; Cherry Pickers(10 tons and under); Hoists (all type Hoists, shall also include Steam, Gas, Diesel, Electric, Air Hydraulic, Single and Double Drum, Concrete, Brick Shaft Caisson, Snorkel Roof, and/or any other Similar Type Hoisting Machines, portable or stationary, except Chicago Boom Type); Jacks-Screw Air Hydraulic Power Operated Unit or Console Type (not hand Jack or Pile Load Test Type); Side Booms; Straddle Carrier

CLASS C: Aerial Platform used as Hoist; Compressors (2 or 3 in Battery); Concrete cleaning/ decontamination machine operator; Directional Boring Machines; Elevator or House Cars; Conveyers and Tugger Hoists; Fireman; Fork Lifts; Generators (2 or 3 in Battery); Heavy Equipment Robotics Operator/Technician; Master Environmental Maintenance Technician; Maintenance -Utility Man; Rod Bending Machines (Power); Captain(powerboat); Tug Master; Ultra High Pressure Waterjet Cutting Tool System; Vacuum Blasting Machine; Welding Machines(gas or electric,2 or 3 in battery, including diesels); Transfer Machine; Apprentice Engineer/Oiler with either one compressor or one welding machine when used for decontamination and remediation

CLASS D: Compressor (single); Welding Machines (Gas, Diesel, and/or Electric Converters of any type); Welding System Multiple (Rectifier Transformer type)

CLASS E: Assistant Engineer/Oiler; Maintenance Apprentice (Deck Hand);Drillers Helper; Maintenance Apprentice (Oiler); Mechanics' Helper; Transit/Instrument Man

WAGES:(per hour)

	07/01/2021	07/01/2022 Additional
Class A3	\$ 64.54 plus 3.00*	\$ 2.25
Class A2	62.88 plus 3.00*	
Class A1	60.04 plus 3.00*	
Class A	58.38 plus 3.00*	
Class B	55.59 plus 3.00*	
Class C	52.93 plus 3.00*	
Class D	51.40 plus 3.00*	
Class E	49.64 plus 3.00*	
Vacuum Truck	56.35 plus 3.00*	
Safety Engineer	57.21 plus 3.00*	
Helicopter:		
Pilot/Engineer	60.04 plus 3.00*	
Co Pilot	59.65 plus 3.00*	
Communications Engineer	59.65 plus 3.00*	
Surveying:		
Chief of Party	56.35 plus 3.00*	
Transit/Instrument man	49.64 plus 3.00*	
Rod/Chainman	46.60 plus 3.00*	
Additional \$0.75 for Survey work Tunnels under compressed air.		
Additional \$0.50 for Hydrographic work.		

*The \$3.00 is added to the Class Base Wage for all hours worked. Additionally, the \$3.00 is subject to the V-Code listed on the OVERTIME CODE Sheet.

- SHIFT WORK: On all Government mandated irregular or off shift work, an additional 15% on straight time hours.

- On HAZARDOUS WASTE REMOVAL or ASBESTOS REMOVAL work, or any state or federally DESIGNATED HAZARDOUS WASTE SITE:

For projects bid on or before April 1, 2020...Where the Operating Engineer is in direct contact with hazardous material and when personal protective equipment is required for respiratory, skin and eye protection, the Operating Engineer shall receive the hourly wage plus an additional twenty percent (20%) of that wage for the entire shift.

For projects bid after April 1, 2020...On hazardous waste removal work of any kind, including state or federally designated site where the operating engineer is required to wear level A, B, or C personal protection the operating engineer shall receive an hourly wage rate of his regular hourly wage plus \$5.00 per hour. An operating engineer working at a hazardous waste removal project or site at a task requiring hazardous waste related certification, but who is not working in a zone requiring level A, B, or C personal protection, shall receive an hourly wage rate of his regular rate plus \$ 1.00 per hour. This shall also apply to sites where the level D personal protection is required.

SUPPLEMENTAL BENEFITS

Per hour:

Journeyman \$ 32.45

OVERTIME PAY

See (B, E, Q, *V, X) on OVERTIME PAGE

*15% premium is also required on shift work benefits

HOLIDAY

Paid: See (5, 6, 10, 13, 15) on HOLIDAY PAGE

Overtime: See (5, 6, 10, 13, 15) on HOLIDAY PAGE

Holidays falling on Sunday will be celebrated on Monday.

REGISTERED APPRENTICES

(1) year terms at the following percentage of journeyman's wage.

1st year	60% of Class wage plus \$3.00*
2nd year	70% of Class wage plus \$3.00*
3rd year	80% of Class wage plus \$3.00*
4th year	90% of Class wage plus \$3.00*

*The \$3.00 is added to the Class Base Wage for all hours worked. Additionally, the \$3.00 is subject to the V-Code listed on the OVERTIME CODE Sheet.

Supplemental Benefits per hour:

Apprentices \$ 32.45

11-825SE

Painter

12/01/2021

JOB DESCRIPTION Painter

DISTRICT 1

ENTIRE COUNTIES

Rockland

WAGES

Wages per hour

07/01/2021

05/01/2022

Additional

Brush/Paper Hanger	\$ 39.14	\$ 1.65
Dry Wall finisher	39.14	
Sandblaster-Painter	39.14	
Lead Abatement	39.14	
Spray Rate	40.14	

See Bridge Painters rates for the following work:

Structural Steel, all work performed on tanks, ALL BRIDGES, towers, smoke stacks, flag poles. Rate shall apply to all of said areas from the ground up.

SUPPLEMENTAL BENEFITS

Per hour

Journey person \$ 24.79

OVERTIME PAY

See (B, E, E2, Q) on OVERTIME PAGE

THE FOLLOWING RATES WILL APPLY ON ALL CONTRACTING AGENCY MANDATED SHIFT(S) OR SINGULAR IRREGULAR SHIFT OF AT LEAST A FIVE (5) DAY DURATION (MONDAY THROUGH FRIDAY), WHEN THE SHIFT STARTS BETWEEN THE HOURS LISTED BELOW:

4:00 PM to 6:30 AM REGULAR RATE PLUS 15%**

OVERTIME ON MULTIPLE SHIFT WORK AND SINGULAR IRREGULAR SHIFT THE SHIFT RATE IS THE BASE RATE

**SHIFT RATE STOPS AFTER 6:30AM

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (5, 6) on HOLIDAY PAGE

REGISTERED APPRENTICES

Wages per hour

Six (6) month terms at the following percentage of Journey person's wage

1st	2nd	3rd	4th	5th	6th
40%	50%	60%	70%	80%	90%

Supplemental Benefits per hour worked

1st term \$ 10.89
All others \$ 24.79

1-155ROC

Painter - Bridge & Structural Steel

12/01/2021

JOB DESCRIPTION Painter - Bridge & Structural Steel

DISTRICT 8

ENTIRE COUNTIES

Albany, Bronx, Clinton, Columbia, Dutchess, Essex, Franklin, Fulton, Greene, Hamilton, Kings, Montgomery, Nassau, New York, Orange, Putnam, Queens, Rensselaer, Richmond, Rockland, Saratoga, Schenectady, Schoharie, Suffolk, Sullivan, Ulster, Warren, Washington, Westchester

WAGES

Per Hour:

STEEL:

Bridge Painting:	07/01/2021	10/01/2021
	\$ 51.50	\$ 53.00
	+ 8.63*	+ 9.63*

ADDITIONAL \$6.00 per hour for POWER TOOL/SPRAY, whether straight time or overtime.

NOTE: All premium wages are to be calculated on base rate per hour only.

* For the period of May 1st to November 15th, this amount is payable up to 40 hours. For the period of Nov 16th to April 30th, this amount is payable up to 50 hours. EXCEPTION: First and last week of employment, and for the weeks of Memorial Day, Independence Day and Labor Day, where the amount is paid for the actual number of hours worked (no cap).

NOTE: Generally, for Bridge Painting Contracts, ALL WORKERS on and off the bridge (including Flagmen) are to be paid Painter's Rate; the contract must be ONLY for Bridge Painting.

SHIFT WORK:

When directly specified in public agency or authority contract documents for an employer to work a second shift and works the second shift with employees other than from the first shift, all employees who work the second shift will be paid 10% of the base wage shift differential in lieu of overtime for the first eight (8) hours worked after which the employees shall be paid at time and one half of the regular wage rate. When a single irregular work shift is mandated in the job specifications or by the contracting agency, wages shall be paid at time and one half for single shifts between the hours of 3pm-11pm or 11pm-7am.

SUPPLEMENTAL BENEFITS

Per Hour:

Journeyworker:	07/01/2021	10/01/2021
	\$ 10.90	\$ 10.90
	+ 30.00*	+ 30.60*

* For the period of May 1st to November 15th, this amount is payable up to 40 hours. For the period of Nov 16th to April 30th, this amount is payable up to 50 hours. EXCEPTION: First and last week of employment, and for the weeks of Memorial Day, Independence Day and Labor Day, where the amount is paid for the actual number of hours worked (no cap).

OVERTIME PAY

See (B, F, R) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (4, 6) on HOLIDAY PAGE

REGISTERED APPRENTICES

Wage - Per hour:

Apprentices: (1) year terms

	07/01/2021	10/01/2021
1st year	\$ 20.60	\$ 21.20
	+ 3.45*	+ 3.86*
2nd year	\$ 30.90	\$ 31.80
	+ 5.18*	+ 5.78*
3rd year	\$ 41.20	\$ 42.40
	+ 6.90*	+ 7.70*
Supplemental Benefits - Per hour:		
1st year	\$.25	\$.25
	+ 12.00*	+ 12.24*
2nd year	\$ 10.90	\$ 10.90
	+ 18.00*	+ 18.36*
3rd year	\$ 10.20	\$ 10.90
	+ 24.00*	+ 24.48*

NOTE: All premium wages are to be calculated on base rate per hour only.

Painter - Line Striping **12/01/2021**

JOB DESCRIPTION Painter - Line Striping

DISTRICT 8

ENTIRE COUNTIES

Albany, Bronx, Clinton, Columbia, Dutchess, Essex, Franklin, Fulton, Greene, Hamilton, Kings, Montgomery, Nassau, New York, Orange, Putnam, Queens, Rensselaer, Richmond, Rockland, Saratoga, Schenectady, Schoharie, Suffolk, Sullivan, Ulster, Warren, Washington, Westchester

WAGES

Per hour:

Painter (Striping-Highway):	07/01/2021	07/01/2022
Striping-Machine Operator*	\$ 30.32	\$ 31.53
Linerman Thermoplastic	36.93	38.34

Note: * Includes but is not limited to: Positioning of cones and directing of traffic using hand held devices. Excludes the Driver/Operator of equipment used in the maintenance and protection of traffic safety.

Four (4), ten (10) hour days may be worked at straight time during a week, Monday thru Thursday. Friday may be used as a make-up day.

NOTE - In order to use the '4 Day/10 Hour Work Schedule,' as your normal schedule, you must submit an 'Employer Registration for Use of 4 Day/10 Hour Work Schedule,' form PW30.1; and there must be a dispensation of hours in place on the project. If the PW30.1 is not submitted you may be liable for overtime payments for work over 8 hours per day.

SUPPLEMENTAL BENEFITS

Per hour paid:	07/01/2021	07/01/2022
Journeyworker:		
Striping Machine Operator:	\$ 10.03	\$ 10.03
Linerman Thermoplastic:	10.03	10.03

OVERTIME PAY

See (B, B2, E2, F, S) on OVERTIME PAGE

HOLIDAY

Paid: See (5, 20) on HOLIDAY PAGE
Overtime: See (5, 20) on HOLIDAY PAGE

REGISTERED APPRENTICES

One (1) year terms at the following wage rates:

	07/01/2021	12/31/2021	07/01/2022
1st Term*:	\$ 15.00	\$ 15.00	\$ 15.00
1st Term**:	14.00	15.00	15.00
1st Term***:	12.50	13.20	13.20
2nd Term:	18.19	18.19	18.92
3rd Term:	24.26	24.26	25.22

*Bronx, Kings, New York, Queens, Richmond, and Suffolk counties

**Nassau and Westchester counties

***All other counties

Supplemental Benefits per hour:

1st term:	\$ 9.16	\$ 9.16	\$ 9.16
2nd Term:	9.16	9.16	10.03
3rd Term:	9.16	9.16	10.03

8-1456-LS

Painter - Metal Polisher **12/01/2021**

JOB DESCRIPTION Painter - Metal Polisher

DISTRICT 8

ENTIRE COUNTIES

Albany, Allegany, Bronx, Broome, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Clinton, Columbia, Cortland, Delaware, Dutchess, Erie, Essex, Franklin, Fulton, Genesee, Greene, Hamilton, Herkimer, Jefferson, Kings, Lewis, Livingston, Madison, Monroe, Montgomery, Nassau, New York, Niagara, Oneida, Onondaga, Ontario, Orange, Orleans, Oswego, Otsego, Putnam, Queens, Rensselaer, Richmond, Rockland, Saratoga, Schenectady, Schoharie, Schuyler, Seneca, St. Lawrence, Steuben, Suffolk, Sullivan, Tioga, Tompkins, Ulster, Warren, Washington, Wayne, Westchester, Wyoming, Yates

WAGES

	07/01/2021
Metal Polisher	\$ 37.13
Metal Polisher*	38.23
Metal Polisher**	41.13

*Note: Applies on New Construction & complete renovation

** Note: Applies when working on scaffolds over 34 feet.

SUPPLEMENTAL BENEFITS

Per Hour: 07/01/2021

Journeyworker:
All classification \$ 10.64

OVERTIME PAY

See (B, E, P, T) on OVERTIME PAGE

HOLIDAY

Paid: See (5, 6, 11, 15, 16, 25, 26) on HOLIDAY PAGE

Overtime: See (5, 6, 9, 11, 15, 16, 25, 26) on HOLIDAY PAGE

REGISTERED APPRENTICES

Wages per hour:

One (1) year term at the following wage rates:

	07/01/2021
1st year	\$ 16.00
2nd year	17.00
3rd year	18.00
1st year*	\$ 16.39
2nd year*	17.44
3rd year*	18.54
1st year**	\$ 18.50
2nd year**	19.50
3rd year**	20.50

*Note: Applies on New Construction & complete renovation

** Note: Applies when working on scaffolds over 34 feet.

Supplemental benefits:

Per hour:

1st year	\$ 7.39
2nd year	7.39
3rd year	7.39

8-8A/28A-MP

Plumber	12/01/2021
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JOB DESCRIPTION Plumber

DISTRICT 11

ENTIRE COUNTIES

Orange, Rockland, Sullivan

PARTIAL COUNTIES

Ulster: Only the Townships of Plattekill, Marlboro, Wawarsing, and Shawangunk (except for Wallkill and Shawangunk Prisons).

WAGES

REFRIGERATION: For commercial and industrial refrigeration which means service, maintenance, and installation work where the combined compressor tonnage does not exceed 40 tons.

AIR CONDITIONING: Air conditioning to be installed that is water cooled shall not exceed 25 tons. This will include the piping of the component system and erection of water tower. Air conditioning that is air cooled shall not exceed 50 tons.

WAGES: (per hour)

07/01/2021

Plumber \$ 35.59

Star Certification: an additional \$ 1.00 per hour over scale will be paid to all those who have Star Certification.

Shift Differential: When mandated by the governmental agency, an additional 15% premium will be paid for irregular work day or for 2nd and 3rd shift.

SUPPLEMENTAL BENEFITS

Per hour:

Journeyman

\$ 34.07*

*For overtime or shift differential work, \$0.10 is paid at straight time, the remaining balance is paid at the same premium as the wages.

OVERTIME PAY

See (B, G, P, *V) on OVERTIME PAGE

* A portion of the benefit amount is subject to the V code for overtime and shift differential work.

HOLIDAY

Paid: See (5, 6, 13, 15, 25) on HOLIDAY PAGE

Overtime: See (5, 6, 13, 15, 25) on HOLIDAY PAGE

REGISTERED APPRENTICES

(1)year terms at the following wage.

	07/01/2021
1st term	\$ 16.02
2nd term	17.80
3rd term	19.58
4th term	23.14
5th term	28.48

Supplemental Benefits per hour:

Apprentices

1st term	\$ 15.42*
2nd term	17.09*
3rd term	18.81*
4th term	22.20*
5th term	27.29*

*For overtime or shift differential work, \$0.10 is paid at straight time, the remaining balance is paid at the same premium as the wages.

11-373 Refrig

Plumber

12/01/2021

JOB DESCRIPTION Plumber

DISTRICT 11

ENTIRE COUNTIES

Orange, Rockland, Sullivan

PARTIAL COUNTIES

Ulster: Only the Townships of Plattekill, Marlboro, Wawarsing, and Shawangunk (except for Wallkill and Shawangunk Prisons).

WAGES

WAGES:(per hour) 07/01/2021

Plumber/Steamfitter \$ 47.45

Note: For all work 40-60 feet above ground add \$ 0.25 per hour, over 60 feet add \$ 0.50 per hour.

Shift Differential: When mandated by the governmental agency, an additional 15% premium will be paid for irregular work day or for 2nd and 3rd shift.

SUPPLEMENTAL BENEFITS

Per hour:

Journeyman

\$ 42.32*

*For overtime or shift differential work, \$0.10 is paid at straight time, the remaining balance is paid at the same premium as the wages.

OVERTIME PAY

See (B, E, Q, *V) on OVERTIME PAGE

* A portion of the benefit amount is subject to the V code for overtime and shift differential work.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6, 15, 16) on HOLIDAY PAGE

When a holiday falls on a Saturday, the day prior shall be considered and recognized as the holiday. When a holiday falls on a Sunday, the day proceeding shall be considered and recognized as the holiday to be observed.

REGISTERED APPRENTICES

(1) year terms at the following wages.

	07/01/2021
1st term	\$ 16.61
2nd term	21.36
3rd term	26.10
4th term	30.85
5th term	37.96

Supplemental Benefits per hour:

1st term	\$ 14.90*
2nd term	19.11*
3rd term	23.33*
4th term	27.55*
5th term	33.87*

*For overtime or shift differential work, \$0.10 is paid at straight time, the remaining balance is paid at the same premium as the wages.
11-373 SF

Roofer

12/01/2021

JOB DESCRIPTION Roofer

DISTRICT 9

ENTIRE COUNTIES

Bronx, Dutchess, Kings, New York, Orange, Putnam, Queens, Richmond, Rockland, Sullivan, Ulster, Westchester

WAGES

Per Hour:	07/01/2021
Roofer/Waterproofer	\$ 45.25
	+ \$7.00*

* This portion is not subjected to overtime premiums.

Note: Abatement/Removal of Asbestos containing roofs and roofing material is classified as Roofer.

SUPPLEMENTAL BENEFITS

Per Hour:	\$ 28.62
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OVERTIME PAY

See (B, H) on OVERTIME PAGE

Note: An observed holiday that falls on a Sunday will be observed the following Monday.

HOLIDAY

Paid:	See (1) on HOLIDAY PAGE
Overtime:	See (5, 6) on HOLIDAY PAGE

REGISTERED APPRENTICES

(1) year term

	1st	2nd	3rd	4th
	\$ 15.84	\$ 22.63	\$ 27.15	\$ 33.94
		+ 3.50*	+ 4.20*	+ 5.26*
Supplements:				
	1st	2nd	3rd	4th
	\$ 3.72	\$ 14.47	\$ 17.30	\$ 21.55

9-8R

Sheetmetal Worker

12/01/2021

JOB DESCRIPTION Sheetmetal Worker

DISTRICT 8

ENTIRE COUNTIES

Dutchess, Orange, Putnam, Rockland, Sullivan, Ulster, Westchester

WAGES

	07/01/2021
SheetMetal Worker	\$ 44.15
	+ 3.37*

*This portion is not subject to overtime premiums.

SHIFT WORK

For all NYS D.O.T. and other Governmental mandated off-shift work:

10% increase for additional shifts for a minimum of five (5) days

SUPPLEMENTAL BENEFITS

Journeyworker \$ 44.20

OVERTIME PAY

OVERTIME: See (B, E, Q,) on OVERTIME PAGE.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6, 8, 15, 16, 23) on HOLIDAY PAGE

REGISTERED APPRENTICES

1st	2nd	3rd	4th	5th	6th	7th	8th
\$ 16.36	\$ 18.41	\$ 20.46	\$ 22.51	\$ 24.54	\$ 26.60	\$ 29.12	\$ 31.65
+ 1.35*	+ 1.52*	+ 1.69*	+ 1.85*	+ 2.02*	+ 2.19*	+ 2.36*	+ 2.53*

*This portion is not subject to overtime premiums.

Supplemental Benefits per hour:

Apprentices

1st term	\$ 18.96
2nd term	21.34
3rd term	23.71
4th term	26.11
5th term	28.46
6th term	30.82
7th term	32.72
8th term	34.64

8-38

Sheetmetal Worker

12/01/2021

JOB DESCRIPTION Sheetmetal Worker

DISTRICT 4

ENTIRE COUNTIES

Bronx, Kings, Nassau, New York, Queens, Richmond, Rockland, Suffolk, Westchester

WAGES

Per Hour:	07/01/2021	8/01/2021
Sign Erector	\$ 52.29	\$ 53.97

NOTE: Structurally Supported Overhead Highway Signs(See STRUCTURAL IRON WORKER CLASS)

SUPPLEMENTAL BENEFITS

Per Hour:	07/01/2021	8/01/2021
Sign Erector	\$ 51.26	\$ 53.15

OVERTIME PAY

See (A, F, S) on OVERTIME PAGE

HOLIDAY

Paid: See (5, 6, 10, 11, 12, 16, 25) on HOLIDAY PAGE

Overtime: See (5, 6, 10, 11, 12, 16, 25) on HOLIDAY PAGE

REGISTERED APPRENTICES

Per Hour:
6 month Terms at the following percentage of Sign Erectors wage rate:

1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
35%	40%	45%	50%	55%	60%	65%	70%	75%	80%

SUPPLEMENTAL BENEFITS

Per Hour:

07/01/2021

1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
\$ 14.34	\$ 16.26	\$ 18.17	\$ 20.10	\$ 28.02	\$ 30.47	\$ 33.72	\$ 36.27	\$ 38.77	\$ 41.29

8/01/2021

1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
\$ TBD	\$ TBD	\$ TBD	\$ TBD	\$ TBD	\$ TBD	\$ TBD	\$ TBD	\$ TBD	\$ TBD

Sprinkler Fitter **12/01/2021**

JOB DESCRIPTION Sprinkler Fitter

DISTRICT 1

ENTIRE COUNTIES

Dutchess, Orange, Putnam, Rockland, Sullivan, Ulster, Westchester

WAGES

Per hour 07/01/2021

Sprinkler \$ 47.19
Fitter

SUPPLEMENTAL BENEFITS

Per hour

Journeyperson \$ 28.09

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

Note: When a holiday falls on Sunday, the following Monday shall be considered a holiday and all work performed on either day shall be at the double time rate. When a holiday falls on Saturday, the preceding Friday shall be considered a holiday and all work performed on either day shall be at the double time rate.

REGISTERED APPRENTICES

Wages per hour

One Half Year terms at the following wage.

1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
\$ 22.67	\$ 25.19	\$ 27.46	\$ 29.98	\$ 32.50	\$ 35.02	\$ 37.54	\$ 40.05	\$ 42.57	\$ 45.09

Supplemental Benefits per hour

1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
\$ 8.27	\$ 8.27	\$ 19.22	\$ 19.22	\$ 19.47	\$ 19.47	\$ 19.47	\$ 19.47	\$ 19.47	\$ 19.47
									1-669.2

Teamster - Building / Heavy&Highway **12/01/2021**

JOB DESCRIPTION Teamster - Building / Heavy&Highway

DISTRICT 11

ENTIRE COUNTIES

Dutchess, Orange, Rockland, Sullivan, Ulster

WAGES

GROUP 1: LeTourneau Tractors, Double Barrel Euclids, Athney Wagons and similar equipment (except when hooked to scrapers), I-Beam and Pole Trailers, Tire Trucks, Tractor and Trailers with 5 axles and over, Articulated Back Dumps and Road Oil Distributors, Articulated Water Trucks and Fuel Trucks/Trailers, positions requiring a HAZMAT CDL endorsement.

GROUP 1A: Drivers on detachable Gooseneck Low Bed Trailers rated over 35 tons.

GROUP 2: All equipment 25 yards and up to and including 30 yard bodies and cable Dump Trailers and Powder and Dynamite Trucks.

GROUP 3: All Equipment up to and including 24-yard bodies, Mixer Trucks, Dump Crete Trucks and similar types of equipment, Fuel Trucks, Batch Trucks and all other Tractor Trailers, Hi-Rail Truck.

GROUP 4: Tri-Axles, Ten Wheelers, Grease Trucks, Tillerman, Pattern Trucks, Attenuator Trucks, Water Trucks, Bus.

GROUP 5: Straight Trucks.

GROUP 6: Pick-up Trucks for hauling materials and parts, and Escort Man over-the-road.

WAGES: (per hour)	07/01/2021	05/01/2022	05/01/2023
GROUP 1	\$ 33.91	\$ 34.28	\$ 34.58
GROUP 1A	35.05	35.42	35.72

GROUP 2	33.35	33.72	34.02
GROUP 3	33.13	33.50	33.80
GROUP 4	33.02	33.39	33.69
GROUP 5	32.90	33.27	33.57
GROUP 6	32.90	33.27	33.57

NOTE ADDITIONAL PREMIUMS:

- On projects requiring an irregular shift a premium of 10% will be paid on wages. The premium will be paid for off-shift or irregular shift work when mandated by Governmental Agency.
- Employees engaged in hazardous/toxic waste removal, on a State or Federally designated hazardous/toxic waste site, where the employee comes in contact with hazardous/toxic waste material and when personal protective equipment is required for respiratory, skin, or eye protection, the employee shall receive an additional 20% premium above the hourly wage.

Four (4), ten (10) hour days may be worked at straight time during a week, Monday thru Thursday. Friday may be used as a make-up day.
NOTE - In order to use the '4 Day/10 Hour Work schedule', as your normal schedule, you must submit an 'Employer Registration for Use of 4 Day/10 Hour Work Schedule,' form PW30.1; and there must be a dispensation of hours in place on the project. If the PW30.1 is not submitted you may be liable for overtime payments for work over 8 hours per day.

SUPPLEMENTAL BENEFITS

Per hour:

First 40 hours	\$ 39.90	\$ 42.16	\$ 44.59
Over 40 hours	32.40	34.46	36.69

OVERTIME PAY

See (*B, E, **E2, ***P, X) on OVERTIME PAGE

*Holidays worked Monday through Friday receive Double Time (2x) after 8 hours.

**Makeup day limited to the employees who were working on the site that week.

***Sunday Holidays are paid at a rate of double time and one half (2.5x) for all hours worked.

HOLIDAY

Paid: See (5, 6, 15, 25) on HOLIDAY PAGE

Overtime: See (*1) on HOLIDAY PAGE

*See OVERTIME PAY section for when additional premium is applicable on Holiday hours worked.

11-445B/HH

Welder

12/01/2021

JOB DESCRIPTION Welder

DISTRICT 1

ENTIRE COUNTIES

Albany, Allegany, Bronx, Broome, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Clinton, Columbia, Cortland, Delaware, Dutchess, Erie, Essex, Franklin, Fulton, Genesee, Greene, Hamilton, Herkimer, Jefferson, Kings, Lewis, Livingston, Madison, Monroe, Montgomery, Nassau, New York, Niagara, Oneida, Onondaga, Ontario, Orange, Orleans, Oswego, Otsego, Putnam, Queens, Rensselaer, Richmond, Rockland, Saratoga, Schenectady, Schoharie, Schuyler, Seneca, St. Lawrence, Steuben, Suffolk, Sullivan, Tioga, Tompkins, Ulster, Warren, Washington, Wayne, Westchester, Wyoming, Yates

WAGES

Per hour 07/01/2021

Welder: To be paid the same rate of the mechanic performing the work.*

*EXCEPTION: If a specific welder certification is required, then the 'Certified Welder' rate in that trade tag will be paid.

OVERTIME PAY

HOLIDAY

1-As Per Trade

Overtime Codes

Following is an explanation of the code(s) listed in the OVERTIME section of each classification contained in the attached schedule. Additional requirements may also be listed in the HOLIDAY section.

NOTE: Supplemental Benefits are 'Per hour worked' (for each hour worked) unless otherwise noted

- (AA) Time and one half of the hourly rate after 7 and one half hours per day
- (A) Time and one half of the hourly rate after 7 hours per day
- (B) Time and one half of the hourly rate after 8 hours per day
- (B1) Time and one half of the hourly rate for the 9th & 10th hours week days and the 1st 8 hours on Saturday.
Double the hourly rate for all additional hours
- (B2) Time and one half of the hourly rate after 40 hours per week
- (C) Double the hourly rate after 7 hours per day
- (C1) Double the hourly rate after 7 and one half hours per day
- (D) Double the hourly rate after 8 hours per day
- (D1) Double the hourly rate after 9 hours per day
- (E) Time and one half of the hourly rate on Saturday
- (E1) Time and one half 1st 4 hours on Saturday; Double the hourly rate all additional Saturday hours
- (E2) Saturday may be used as a make-up day at straight time when a day is lost during that week due to inclement weather
- (E3) Between November 1st and March 3rd Saturday may be used as a make-up day at straight time when a day is lost during that week due to inclement weather, provided a given employee has worked between 16 and 32 hours that week
- (E4) Saturday and Sunday may be used as a make-up day at straight time when a day is lost during that week due to inclement weather
- (E5) Double time after 8 hours on Saturdays
- (F) Time and one half of the hourly rate on Saturday and Sunday
- (G) Time and one half of the hourly rate on Saturday and Holidays
- (H) Time and one half of the hourly rate on Saturday, Sunday, and Holidays
- (I) Time and one half of the hourly rate on Sunday
- (J) Time and one half of the hourly rate on Sunday and Holidays
- (K) Time and one half of the hourly rate on Holidays
- (L) Double the hourly rate on Saturday
- (M) Double the hourly rate on Saturday and Sunday
- (N) Double the hourly rate on Saturday and Holidays
- (O) Double the hourly rate on Saturday, Sunday, and Holidays
- (P) Double the hourly rate on Sunday
- (Q) Double the hourly rate on Sunday and Holidays
- (R) Double the hourly rate on Holidays
- (S) Two and one half times the hourly rate for Holidays

- (S1) Two and one half times the hourly rate the first 8 hours on Sunday or Holidays One and one half times the hourly rate all additional hours.
- (T) Triple the hourly rate for Holidays
- (U) Four times the hourly rate for Holidays
- (V) Including benefits at SAME PREMIUM as shown for overtime
- (W) Time and one half for benefits on all overtime hours.
- (X) Benefits payable on Paid Holiday at straight time. If worked, additional benefit amount will be required for worked hours. (Refer to other codes listed.)

Holiday Codes

PAID Holidays:

Paid Holidays are days for which an eligible employee receives a regular day's pay, but is not required to perform work. If an employee works on a day listed as a paid holiday, this remuneration is in addition to payment of the required prevailing rate for the work actually performed.

OVERTIME Holiday Pay:

Overtime holiday pay is the premium pay that is required for work performed on specified holidays. It is only required where the employee actually performs work on such holidays. The applicable holidays are listed under HOLIDAYS: OVERTIME. The required rate of pay for these covered holidays can be found in the OVERTIME PAY section listings for each classification.

Following is an explanation of the code(s) listed in the HOLIDAY section of each classification contained in the attached schedule. The Holidays as listed below are to be paid at the wage rates at which the employee is normally classified.

- (1) None
- (2) Labor Day
- (3) Memorial Day and Labor Day
- (4) Memorial Day and July 4th
- (5) Memorial Day, July 4th, and Labor Day
- (6) New Year's, Thanksgiving, and Christmas
- (7) Lincoln's Birthday, Washington's Birthday, and Veterans Day
- (8) Good Friday
- (9) Lincoln's Birthday
- (10) Washington's Birthday
- (11) Columbus Day
- (12) Election Day
- (13) Presidential Election Day
- (14) 1/2 Day on Presidential Election Day
- (15) Veterans Day
- (16) Day after Thanksgiving
- (17) July 4th
- (18) 1/2 Day before Christmas
- (19) 1/2 Day before New Years
- (20) Thanksgiving
- (21) New Year's Day
- (22) Christmas
- (23) Day before Christmas
- (24) Day before New Year's
- (25) Presidents' Day
- (26) Martin Luther King, Jr. Day
- (27) Memorial Day
- (28) Easter Sunday

(29) Juneteenth



New York State Department of Labor - Bureau of Public Work
State Office Building Campus
Building 12 - Room 130
Albany, New York 12240

REQUEST FOR WAGE AND SUPPLEMENT INFORMATION

As Required by Articles 8 and 9 of the NYS Labor Law

Fax (518) 485-1870 or mail this form for new schedules or for determination for additional occupations.

This Form Must Be Typed

Submitted By:

(Check Only One)

☐

Contracting Agency

☐

Architect or Engineering Firm

☐

Public Work District Office

Date:

A. Public Work Contract to be let by: (Enter Data Pertaining to Contracting/Public Agency)

1. Name and complete address ☐ (Check if new or change)

Telephone: ()

Fax: ()

E-Mail:

2. NY State Units (see Item 5)

☐ 01 DOT

☐ 02 OGS

☐ 03 Dormitory Authority

☐ 04 State University
Construction Fund

☐ 05 Mental Hygiene
Facilities Corp.

☐ 06 OTHER N.Y. STATE UNIT

☐ 07 City

☐ 08 Local School District

☐ 09 Special Local District, i.e.,
Fire, Sewer, Water District

☐ 10 Village

☐ 11 Town

☐ 12 County

☐ 13 Other Non-N.Y. State
(Describe)

3. SEND REPLY TO ☐ (check if new or change)
Name and complete address:

Telephone:()

Fax: ()

E-Mail:

4. SERVICE REQUIRED. Check appropriate box and provide project information.

☐ New Schedule of Wages and Supplements.

APPROXIMATE BID DATE :

☐ Additional Occupation and/or Redetermination

PRC NUMBER ISSUED PREVIOUSLY FOR
THIS PROJECT :

OFFICE USE ONLY

B. PROJECT PARTICULARS

5. Project Title

Description of Work

Contract Identification Number

Note: For NYS units, the OSC Contract No.

6. Location of Project:

Location on Site

Route No/Street Address

Village or City

Town

County

7. Nature of Project - Check One:

☐ 1. New Building

☐ 2. Addition to Existing Structure

☐ 3. Heavy and Highway Construction (New and Repair)

☐ 4. New Sewer or Waterline

☐ 5. Other New Construction (Explain)

☐ 6. Other Reconstruction, Maintenance, Repair or Alteration

☐ 7. Demolition

☐ 8. Building Service Contract

8. OCCUPATION FOR PROJECT :

☐ Construction (Building, Heavy
Highway/Sewer/Water)

☐ Tunnel

☐ Residential

☐ Landscape Maintenance

☐ Elevator maintenance

☐ Exterminators, Fumigators

☐ Fire Safety Director, NYC Only

☐ Guards, Watchmen

☐ Janitors, Porters, Cleaners,
Elevator Operators

☐ Moving furniture and
equipment

☐ Trash and refuse removal

☐ Window cleaners

☐ Other (Describe)

9. Has this project been reviewed for compliance with the Wicks Law involving separate bidding?

YES ☐

NO ☐

10. Name and Title of Requester

Signature



NEW YORK STATE DEPARTMENT OF LABOR
Bureau of Public Work - Debarment List

**LIST OF EMPLOYERS INELIGIBLE TO BID ON OR BE
AWARDED ANY PUBLIC WORK CONTRACT**

Under Article 8 and Article 9 of the NYS Labor Law, a contractor, sub-contractor and/or its successor shall be debarred and ineligible to submit a bid on or be awarded any public work or public building service contract/sub-contract with the state, any municipal corporation or public body for a period of five (5) years from the date of debarment when:

- Two (2) final determinations have been rendered within any consecutive six-year (6) period determining that such contractor, sub-contractor and/or its successor has WILLFULLY failed to pay the prevailing wage and/or supplements;
- One (1) final determination involves falsification of payroll records or the kickback of wages and/or supplements.

The agency issuing the determination and providing the information, is denoted under the heading 'Fiscal Officer'. DOL = New York State Department of Labor; NYC = New York City Comptroller's Office; AG = New York State Attorney General's Office; DA = County District Attorney's Office.

Debarment Database: To search for contractors, sub-contractors and/or their successors debarred from bidding or being awarded any public work contract or subcontract under NYS Labor Law Articles 8 and 9, or under NYS Workers' Compensation Law Section 141-b, access the database at this link: <https://applications.labor.ny.gov/EDList/searchPage.do>

For inquiries where WCB is listed as the "Agency", please call 1-866-546-9322

NYSDOL Bureau of Public Work Debarment List 11/29/2021

Article 8

AGENCY	Fiscal Officer	FEIN	EMPLOYER NAME	EMPLOYER DBA NAME	ADDRESS	DEBARMENT START DATE	DEBARMENT END DATE
DOL	DOL	*****5754	0369 CONTRACTORS, LLC		515 WEST AVE UNIT PH 13NORWALK CT 06850	05/12/2021	05/12/2026
DOL	NYC	*****9839	A.J.S. PROJECT MANAGEMENT, INC.		149 FIFTH AVENUE NEW YORK NY 10010	12/29/2016	12/29/2021
DOL	DOL	*****4018	ADIRONDACK BUILDING RESTORATION INC.		4156 WILSON ROAD EAST TABERG NY 13471	03/26/2019	03/26/2024
DOL	AG	*****1812	ADVANCED BUILDERS & LAND DEVELOPMENT, INC.		400 OSER AVE #2300HAUPPAUGE NY 11788	09/11/2019	09/11/2024
DOL	DOL	*****1687	ADVANCED SAFETY SPRINKLER INC		261 MILL ROAD P.O BOX 296EAST AURORA NY 14052	05/29/2019	05/29/2024
DOL	NYC	*****6775	ADVENTURE MASONRY CORP.		1535 RICHMOND AVENUE STATEN ISLAND NY 10314	12/13/2017	12/13/2022
DOL	NYC		AGOSTINHO TOME		405 BARRETTO ST BRONX NY 10474	05/31/2018	05/31/2023
DOL	NYC		AMJAD NAZIR		2366 61ST ST BROOKLYN NY 11204	12/15/2016	12/15/2021
DOL	NYC		AMJED PARVEZ		401 HANOVER AVENUE STATEN ISLAND NY 10304	01/11/2021	01/11/2026
DOL	DOL		ANGELO F COKER		2610 SOUTH SALINA STREET SUITE 14SYRACUSE NY 13205	09/17/2020	09/17/2025
DOL	DOL		ANGELO F COKER		2610 SOUTH SALINA STREET SUITE 14SYRACUSE NY 13205	12/04/2018	12/04/2023
DOL	DOL		ANGELO GARCIA		515 WEST AVE UNIT PH 13NORWALK CT 06850	05/12/2021	05/12/2026
DOL	DOL		ANITA SALERNO		158 SOLAR ST SYRACUSE NY 13204	01/07/2019	01/07/2024
DOL	NYC		ANTHONY J SCLAFANI		149 FIFTH AVE NEW YORK NY 10010	12/29/2016	12/29/2021
DOL	DOL		ANTHONY PERGOLA		3 WEST MAIN ST/SUITE 208 ELMSFORD NY 10323	01/23/2017	01/23/2022
DOL	DOL		ANTONIO ESTIVEZ		442 ARMONK RD MOUNT KISCO NY 10549	06/12/2018	06/12/2023
DOL	DOL		ARNOLD A. PAOLINI		1250 BROADWAY ST BUFFALO NY 14212	02/03/2020	02/03/2025
DOL	NYC		ARSHAD MEHMOOD		168-42 88TH AVENUE JAMAICA NY 11432	11/20/2019	11/20/2024
DOL	DOL		ARVINDER ATWAL		65 KENNETH PLACE NEW HYDE PARK NY 11040	07/19/2017	07/19/2022
DOL	NYC	*****6683	ATLAS RESTORATION CORP.		35-12 19TH AVENUE ASTORIA NY 11105	08/02/2017	08/02/2022
DOL	NYC	*****5532	ATWAL MECHANICALS, INC		65 KENNETH PLACE NEW HYDE PARK NY 11040	07/19/2017	07/19/2022
DOL	NYC	*****2591	AVI 212 INC.		260 CROPEY AVENUE APT 11GBROOKLYN NY 11214	10/30/2018	10/30/2023
DOL	NYC		AZIDABEGUM		524 MCDONALD AVENUE BROOKLYN NY 11218	09/17/2020	09/17/2025
DOL	NYC		BALWINDER SINGH		421 HUDSON ST SUITE C5NEW YORK NY 10014	02/20/2019	02/20/2024
DOL	NYC	*****8416	BEAM CONSTRUCTION, INC.		50 MAIN ST WHITE PLAINS NY 10606	01/04/2019	01/04/2024
DOL	DOL		BERNARD BEGLEY		38 LONG RIDGE ROAD BEDFORD NY 10506	12/18/2019	12/18/2024
DOL	NYC	*****2113	BHW CONTRACTING, INC.		401 HANOVER AVENUE STATEN ISLAND NY 10304	01/11/2021	01/11/2026
DOL	DOL		BIAGIO CANTISANI			06/12/2018	06/12/2023
DOL	DOL	*****3627	BJB CONSTRUCTION CORP.		38 LONG RIDGE ROAD BEDFORD NY 10506	12/18/2019	12/18/2024
DOL	DOL	*****4512	BOB BRUNO EXCAVATING, INC		5 MORNINGSIDE DR AUBURN NY 13021	05/28/2019	05/28/2024
DOL	DOL		BOGDAN MARKOVSKI		370 W. PLEASANTVIEW AVE SUITE 2.329HACKENSACK NJ 07601	02/11/2019	02/11/2024
DOL	DOL		BRADLEY J SCHUKA		4 BROTHERS ROAD WAPPINGERS FALLS NY 12590	10/20/2020	10/20/2025
DOL	DOL		BRUCE P. NASH JR.		5841 BUTTERNUT ROAD EAST SYRACUSE NY 13057	09/12/2018	09/12/2023
DOL	DOL	*****0225	C&D LAFACE CONSTRUCTION, INC.		8531 OSWEGO RD BALDWINVILLE NY 13027	02/03/2020	01/09/2023

NYSDOL Bureau of Public Work Debarment List 11/29/2021

Article 8

DOL	DOL	*****8809	C.B.E. CONTRACTING CORPORATION		310 MCGUINNESS BLVD GREENPOINT NY 11222	03/07/2017	03/07/2022
DOL	DOL	*****9383	C.C. PAVING AND EXCAVATING, INC.		2610 SOUTH SALINA ST SUITE 12SYRACUSE NY 13205	09/17/2020	09/17/2025
DOL	DOL	*****9383	C.C. PAVING AND EXCAVATING, INC.		2610 SOUTH SALINA ST SUITE 12SYRACUSE NY 13205	12/04/2018	12/04/2023
DOL	DOL	*****5161	CALADRI DEVELOPMENT CORP.		1223 PARK ST. PEEKSKILL NY 10566	05/17/2021	05/17/2026
DOL	DOL	*****3391	CALI ENTERPRISES, INC.		1223 PARK STREET PEEKSKILL NY 10566	05/17/2021	05/17/2026
DOL	NYC		CALVIN WALTERS		465 EAST THIRD ST MT. VERNON NY 10550	09/09/2019	09/09/2024
DOL	DOL		CANTISANI & ASSOCIATES LTD		442 ARMONK RD MOUNT KISCO NY 10549	06/12/2018	06/12/2023
DOL	DOL		CANTISANI HOLDING LLC			06/12/2018	06/12/2023
DOL	DOL		CARMEN RACHETTA		8531 OSWEGO RD BALDWINVILLE NY 13027	02/03/2020	02/03/2025
DOL	DOL		CARMENA RACHETTA		8531 OSWEGO ROAD BALDWINVILLE NY 13027	02/03/2020	01/09/2023
DOL	DOL	*****3812	CARMODY "2" INC			06/12/2018	06/12/2023
DOL	DOL	*****1143	CARMODY BUILDING CORP	CARMODY CONTRACTING AND CARMODY CONTRACTING CORP.	442 ARMONK RD MOUNT KISCO NY 10549	06/12/2018	06/12/2023
DOL	DOL		CARMODY CONCRETE CORPORATION			06/12/2018	06/12/2023
DOL	DOL		CARMODY ENTERPRISES, LTD.		442 ARMONK RD MOUNT KISCO NY 10549	06/12/2018	06/12/2023
DOL	DOL		CARMODY INC		442 ARMONK RD MOUNT KISCO NY 10549	06/12/2018	06/12/2023
DOL	DOL	*****3812	CARMODY INDUSTRIES INC			06/12/2018	06/12/2023
DOL	DOL		CARMODY MAINTENANCE CORPORATION		442 ARMONK RD MOUNT KISCO NY 10549	06/12/2018	06/12/2023
DOL	DOL		CARMODY MASONRY CORP		442 ARMONK RD MOUNT KISCO NY 10549	06/12/2018	06/12/2023
DOL	DOL	*****8809	CBE CONTRACTING CORP		142 EAST MARKET STREET LONG BEACH NY 11561	03/07/2017	03/07/2022
DOL	AG		CESAR J. AGUDELO		81-06 34TH AVENUE APT. 6EJACKSON HEIGHTS NY 11372	02/07/2018	02/07/2023
DOL	DOL	*****0026	CHANTICLEER CONSTRUCTION LLC		4 BROTHERS ROAD WAPPINGERS FALLS NY 12590	10/20/2020	10/20/2025
DOL	NYC		CHARLES ZAHRAKKA		863 WASHINGTON STREET FRANKLIN SQUARE NY 11010	03/10/2020	03/10/2025
DOL	DOL		CHRISTOPHER GRECO		26 NORTH MYRTLE AVENUE SPRING VALLEY NY 10956	02/18/2021	02/18/2026
DOL	DOL		CHRISTOPHER J MAINI		19 CAITLIN AVE JAMESTOWN NY 14701	09/17/2018	09/17/2023
DOL	DOL		CHRISTOPHER PAPASTEFANO A/K/A CHRIS PAPASTEFANO		1445 COMMERCE AVE BRONX NY 10461	05/30/2019	05/30/2024
DOL	DOL	*****1927	CONSTRUCTION PARTS WAREHOUSE, INC.	CPW	5841 BUTTERNUT ROAD EAST SYRACUSE NY 13057	09/12/2018	09/12/2023
DOL	DOL	*****3228	CROSS-COUNTY LANDSCAPING AND TREE SERVICE, INC.	ROCKLAND TREE SERVICE	26 NORTH MYRTLE AVENUE SPRING VALLEY NY 10956	02/18/2021	02/18/2026
DOL	DOL	*****2524	CSI ELECTRICAL & MECHANICAL INC		42-32 235TH ST DOUGLSTON NY 11363	01/14/2019	01/14/2024
DOL	NYC		DALJIT KAUR BOPARAI		185-06 56TH AVE FRESH MEADOW NY 11365	10/17/2017	10/17/2022
DOL	DOL	*****7619	DANCO CONSTRUCTION UNLIMITED INC.		485 RAFT AVENUE HOLBROOK NY 11741	10/19/2021	10/19/2026
DOL	DOL		DARIAN L COKER		2610 SOUTH SALINA ST SUITE 2CSYRACUSE NY 13205	09/17/2020	09/17/2025
DOL	DOL		DARIAN L COKER		2610 SOUTH SALINA ST SUITE 2CSYRACUSE NY 13205	12/04/2018	12/04/2023
DOL	NYC		DAVID WEINER		14 NEW DROP LANE 2ND FLOORSTATEN ISLAND NY 10306	11/14/2019	11/14/2024
DOL	DOL		DEBBIE STURDEVANT		29 MAPLEWOOD DRIVE BINGHAMTON NY 13901	02/21/2017	02/21/2022

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DOL	AG		DEBRA MARTINEZ		31 BAY ST BROOKLYN NY 11231	03/28/2018	03/28/2023
DOL	DOL		DELPHI PAINTING & DECORATING CO INC		1445 COMMERCE AVE BRONX NY 10461	05/30/2019	05/30/2024
DOL	DOL		DF CONTRACTORS OF ROCHESTER, INC.		1835 DAANSEN RD. PALMYRA NY 14522	05/16/2017	05/16/2022
DOL	DOL		DF CONTRACTORS, INC.		1835 DAANSEN RD. PALMYRA NY 14522	05/16/2017	05/16/2022
DOL	NYC		DIMITRIOS TSOUMAS		35-12 19TH AVENUE ASTORIA NY 11105	08/02/2017	08/02/2022
DOL	DOL		DOMENICO LAFACE		8531 OSWEGO RD BALDWINVILLE NY 13027	02/03/2020	01/09/2023
DOL	DOL	*****3242	DONALD R. FORSAY	DF LAWN SERVICE	1835 DAANSEN RD. PALMYRA NY 14522	05/16/2017	05/16/2022
DOL	DOL		DONALD R. FORSAY		1835 DAANSEN RD. PALMYRA NY 14522	05/16/2017	05/16/2022
DOL	NYC		DUARTE LOPES		66-05 WOODHAVEN BLVD. STE 2 REGO PARK NY 11374	04/20/2017	04/20/2022
DOL	DOL	*****5175	EAGLE MECHANICAL AND GENERAL CONSTRUCTION LLC		11371 RIDGE RD WOLCOTT NY 14590	02/03/2020	02/03/2025
DOL	DOL		EAST COAST PAVING		2238 BAKER RD GILLET PA 16923	03/12/2018	03/12/2023
DOL	DA		EDWIN HUTZLER		2375 RAYNOR STREET RONKONKOMA NY 11779	08/04/2021	08/04/2026
DOL	DOL	*****0780	EMES HEATING & PLUMBING CONTR		5 EMES LANE MONSEY NY 10952	01/20/2002	01/20/3002
DOL	NYC	*****5917	EPOCH ELECTRICAL, INC		97-18 50TH AVE CORONA NY 11368	04/19/2018	04/19/2024
DOL	DOL		FAIGY LOWINGER		11 MOUNTAIN RD 28 VAN BUREN DRMONROE NY 10950	03/20/2019	03/20/2024
DOL	DOL		FRANK BENEDETTO		19 CATLIN AVE JAMESTOWN NY 14701	09/17/2018	09/17/2023
DOL	DOL	*****4722	FRANK BENEDETTO AND CHRISTOPHER J MAINI	B & M CONCRETE	19 CAITLIN AVE JAMESTOWN NY 14701	09/17/2018	09/17/2023
DOL	NYC		FRANK MAINI		1766 FRONT ST YORKTOWN HEIGHTS NY 10598	01/17/2018	01/17/2023
DOL	DA		FREDERICK HUTZLER		2375 RAYNOR STREET RONKONKOMA NY 11779	08/04/2021	08/04/2026
DOL	NYC	*****6616	G & G MECHANICAL ENTERPRISES, LLC.		1936 HEMPSTEAD TURNPIKE EAST MEDOW NY 11554	11/29/2019	11/29/2024
DOL	DOL		GABRIEL FRASSETTI			04/10/2019	04/10/2024
DOL	DOL		GEOFF CORLETT		415 FLAGGER AVE #302STUART FL 34994	10/31/2018	10/31/2023
DOL	DA		GEORGE LUCEY		150 KINGS STREET BROOKLYN NY 11231	01/19/1998	01/19/2998
DOL	DOL		GIGI SCHNECKENBURGER		261 MILL RD EAST AURORA NY 14052	05/29/2019	05/29/2024
DOL	DOL		GIOVANNI LAFACE		8531 OSWEGO RD BALDWINVILLE NY 13027	02/03/2020	01/09/2023
DOL	NYC	*****3164	GLOBE GATES INC	GLOBAL OVERHEAD DOORS	405 BARRETTO ST BRONX NY 10474	05/31/2018	05/31/2023
DOL	NYC		GREAT ESTATE CONSTRUCTION, INC.		327 STAGG ST BROOKLYN NY 11206	10/10/2017	10/10/2022
DOL	DOL		GREGORY S. OLSON		P.O BOX 100 200 LATTA BROOK PARKHORSEHEADS NY 14845	03/08/2018	03/08/2023
DOL	DOL		HANS RATH		24 ELDOR AVENUE NEW CITY NY 10956	02/03/2020	02/03/2025
DOL	NYC	*****3228	HEIGHTS ELEVATOR CORP.		1766 FRONT ST YORKTOWN HEIGHTS NY 10598	01/17/2018	01/17/2023
DOL	DOL	*****5131	INTEGRITY MASONRY, INC.	M&R CONCRETE	722 8TH AVE WATERVLIET NY 12189	06/05/2018	06/05/2023
DOL	DOL		IRENE KASELIS		32 PENNINGTON AVE WALDWICK NJ 07463	05/30/2019	05/30/2024
DOL	DOL	*****9211	J. WASE CONSTRUCTION CORP.		8545 RT 9W ATHENS NY 12015	03/09/2021	03/09/2026
DOL	DOL		J.A. HIRES CADWALLADER		P.O BOX 100 200 LATTA BROOK PARKHORSEHEADS NY 14845	03/08/2018	03/08/2023

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DOL	DOL		JAMES C. DELGIACCO		722 8TH AVE WATERVLIET NY 12189	06/05/2018	06/05/2023
DOL	DOL		JAMES J. BAKER		7901 GEE ROAD CANASTOTA NY 13032	08/17/2021	08/17/2026
DOL	DOL		JAMES LIACONE		9365 WASHINGTON ST LOCKPORT IL 60441	07/23/2018	07/23/2023
DOL	DOL		JAMES RACHEL		9365 WASHINGTON ST LOCKPORT IL 60441	07/23/2018	07/23/2023
DOL	DOL		JASON P. RACE		3469 STATE RT. 69 PERISH NY 13131	09/29/2021	09/29/2026
DOL	DOL	*****7993	JBS DIRT, INC.		7901 GEE ROAD CANASTOTA NY 13032	08/17/2021	08/17/2026
DOL	DOL	*****5368	JCH MASONRY & LANDSCAPING INC.		35 CLINTON AVE OSSINING NY 10562	09/12/2018	09/12/2023
DOL	NYC		JENNIFER GUERRERO		1936 HEMPSTEAD TURNPIKE EAST MEADOW NY 11554	11/29/2019	11/29/2024
DOL	DOL		JIM PLAUGHER		17613 SANTE FE LINE ROAD WAYNEFIELD OH 45896	07/16/2021	07/16/2026
DOL	AG		JOHN ANTHONY MASSINO		36-49 204TH STREET BAYSIDE NY 11372	02/07/2018	02/07/2023
DOL	DOL		JOHN F. CADWALLADER		200 LATTA BROOK PARK HORSEHEADS NY 14845	03/08/2018	03/08/2023
DOL	DOL	*****4612	JOHN F. CADWALLADER, INC.	THE GLASS COMPANY	P.O BOX 100 200 LATTA BROOK PARKHORSEHEADS NY 14845	03/08/2018	03/08/2023
DOL	DOL		JOHN GOCEK		14B COMMERCIAL AVE ALBANY NY 12065	11/14/2019	11/14/2024
DOL	DOL		JOHN LUCIANO			05/14/2018	05/14/2023
DOL	DOL		JOHN WASE		8545 RT 9W ATHENS NY 12015	03/09/2021	03/09/2026
DOL	AG	*****0600	JOHNCO CONTRACTING, INC.		36-49 204TH STREET BAYSIDE NY 11372	02/07/2018	02/07/2023
DOL	DOL		JON E DEYOUNG		261 MILL RD P.O BOX 296EAST AURORA NY 14052	05/29/2019	05/29/2024
DOL	DOL		JORGE RAMOS		8970 MIKE GARCIA DR MANASSAS VA 20109	07/16/2021	07/16/2026
DOL	DOL		JORI PEDERSEN		415 FLAGER AVE #302STUART FL 34994	10/31/2018	10/31/2023
DOL	DOL		JOSE CHUCHUCA		35 CLINTON AVE OSSINING NY 10562	09/12/2018	09/12/2023
DOL	NYC		JOSEPH FOLEY		66-05 WOODHAVEN BLVD. STE 2REGO PARK NY 11374	04/20/2017	04/20/2022
DOL	NYC		JOSEPH MARTINO		1535 RICHMOND AVENUE STATEN ISLAND NY 10314	12/13/2017	12/13/2022
DOL	DOL		JOY MARTIN		2404 DELAWARE AVE NIGARA FALLS NY 14305	09/12/2018	09/12/2023
DOL	DOL	*****5116	JP RACE PAINTING, INC. T/A RACE PAINTING		3469 STATE RT. 69 PERISH NY 13131	09/29/2021	09/29/2026
DOL	DOL		JULIUS AND GITA BEHREND		5 EMES LANE MONSEY NY 10952	11/20/2002	11/20/3002
DOL	DOL	*****5062	K R F SITE DEVELOPMENT INC		375 LAKE SHORE DRIVE PUTNAM VALLEY NY 10579	01/23/2017	01/23/2022
DOL	NYC		K.S. CONTRACTING CORP.		29 PHILLIP DRIVE PARSIPPANY NJ 07054	02/13/2017	02/13/2022
DOL	DOL		KARIN MANGIN		796 PHELPS ROAD FRANKLIN LAKES NJ 07417	12/01/2020	12/01/2025
DOL	DOL		KATE E. CONNOR		7088 INTERSTATE ISLAND RD SYRACUSE NY 13209	03/31/2021	03/31/2026
DOL	DOL		KATIE BURDICK		2238 BAKER RD GILLET PA 16923	03/12/2018	03/12/2023
DOL	DOL	*****2959	KELC DEVELOPMENT, INC		7088 INTERSTATE ISLAND RD SYRACUSE NY 13209	03/31/2021	03/31/2026
DOL	DOL		KENNETH FIORENTINO		375 LAKE SHORE DRIVE PUTNAM VALLEY NY 10579	01/23/2017	01/23/2022
DOL	DOL		KIMBERLY F. BAKER		7901 GEE ROAD CANASTOTA NY 13032	08/17/2021	08/17/2026
DOL	DOL	*****3490	L & M CONSTRUCTION/DRYWALL INC.		1079 YONKERS AVE YONKERS NY 10704	08/07/2018	08/07/2023
DOL	DA	*****8816	LAKE CONSTRUCTION AND DEVELOPMENT CORPORATION		150 KINGS STREET BROOKLYN NY 11231	08/19/1998	08/19/2998

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DOL	DOL	*****4505	LARAPINTA ASSOCIATES INC		29 MAPLEWOOD DRIVE BINGHAMTON NY 13901	02/21/2017	02/21/2022
DOL	DOL		LAVERN GLAVE		161 ROBYN RD MONROE NY 10950	01/30/2018	01/30/2023
DOL	DOL	*****4388	LEN.J CONSTRUCTION, LLC		PO BOX 10007 ALBANY NY 12201	06/24/2016	09/19/2022
DOL	DOL	*****4388	LEN.J CONSTRUCTION, LLC		PO BOX 10007 ALBANY NY 12201	06/24/2016	09/19/2022
DOL	DOL	*****4388	LEN.J CONSTRUCTION, LLC		PO BOX 10007 ALBANY NY 12201	09/19/2017	09/19/2022
DOL	DOL	*****4388	LEN.J CONSTRUCTION, LLC		PO BOX 10007 ALBANY NY 12201	09/19/2017	09/19/2022
DOL	DOL	*****4388	LEN.J CONSTRUCTION, LLC		PO BOX 10007 ALBANY NY 12201	01/17/2017	09/19/2022
DOL	DOL	*****4388	LEN.J CONSTRUCTION, LLC		PO BOX 10007 ALBANY NY 12201	09/19/2017	09/19/2022
DOL	DOL	*****4388	LEN.J CONSTRUCTION, LLC		PO BOX 10007 ALBANY NY 12201	09/19/2017	09/19/2022
DOL	DOL	*****4388	LEN.J CONSTRUCTION, LLC		PO BOX 10007 ALBANY NY 12201	08/14/2017	09/19/2022
DOL	DOL		LEROY NELSON JR		PO BOX 10007 ALBANY NY 12201	09/19/2017	09/19/2022
DOL	DOL		LEROY NELSON JR		PO BOX 10007 ALBANY NY 12201	09/19/2017	09/19/2022
DOL	DOL		LEROY NELSON JR		PO BOX 10007 ALBANY NY 12201	09/19/2017	09/19/2022
DOL	DOL		LEROY NELSON JR		PO BOX 10007 ALBANY NY 12201	09/19/2017	09/19/2022
DOL	DOL		LEROY NELSON JR		PO BOX 10007 ALBANY NY 12201	08/14/2017	08/14/2022
DOL	DOL		LEROY NELSON JR		PO BOX 10007 ALBANY NY 12201	01/17/2017	09/19/2022
DOL	DA	*****4460	LONG ISLAND GLASS & STOREFRONTS, LLC		4 MANHASSET TRL RIDGE NY 11961	09/06/2018	09/06/2023
DOL	AG	*****4216	LOTUS-C CORP.		81-06 34TH AVENUE APT. 6E JACKSON HEIGHTS NY 11372	02/07/2018	02/07/2023
DOL	DOL		LOUIS A. CALICCHIA		1223 PARK ST. PEEKSKILL NY 10566	05/17/2021	05/17/2026
DOL	NYC		LUBOMIR PETER SVOBODA		27 HOUSMAN AVE STATEN ISLAND NY 10303	12/26/2019	12/26/2024
DOL	NYC		M & L STEEL & ORNAMENTAL IRON CORP.		27 HOUSMAN AVE STATEN ISLAND NY 10303	12/26/2019	12/26/2024
DOL	DOL		M ANVER BEIG		142 EAST MARKET STREET LONG BEACH NY 11561	03/07/2017	03/07/2022
DOL	DOL		M. ANVER BEIG		142 EAST MARKET STREET LONG BEACH NY 11561	03/07/2017	03/07/2022
DOL	DOL	*****2196	MAINSTREAM SPECIALTIES, INC.		11 OLD TOWN RD SELKIRK NY 12158	02/02/2021	02/02/2026
DOL	DA		MANUEL P TOBIO		150 KINGS STREET BROOKLYN NY 14444	08/19/1998	08/19/2998
DOL	DA		MANUEL TOBIO		150 KINGS STREET BROOKLYN NY 11231	08/19/1998	08/19/2998
DOL	NYC		MAREK FABIJANOWSKI		50 MAIN ST WHITE PLAINS NY 10606	01/04/2019	01/04/2024
DOL	NYC		MARIA NUBILE		84-22 GRAND AVENUE ELMHURST NY 11373	03/10/2020	03/10/2025
DOL	NYC		MARTINE ALTER		1010 NORTHERN BLVD. GREAT NECK NY 11021	03/09/2017	03/09/2022
DOL	DOL		MARVIN A STURDEVANT		29 MAPLEWOOD DRIVE BINGHAMTON NY 13901	02/21/2017	02/21/2022
DOL	DOL		MASONRY CONSTRUCTION, INC.		442 ARMONK RD MOUNT KISCO NY 10549	06/12/2018	06/12/2023
DOL	DOL	*****3333	MASONRY INDUSTRIES, INC.		442 ARMONK RD MOUNT KISCO NY 10549	06/12/2018	06/12/2023
DOL	NYC		MATINA KARAGIANNIS		97-18 50TH AVE CORONA NY 11368	04/19/2018	04/19/2023
DOL	DOL		MATTHEW P. KILGORE		4156 WILSON ROAD EAST TABERG NY 13471	03/26/2019	03/26/2024
DOL	DOL		MAURICE GAWENO		442 ARMONK RD MOUNT KISCO NY 10549	06/12/2018	06/12/2023
DOL	DOL		MCLEAN "MIKKI BEANE"		1229 JAMES STREET SYRACUSE NY 13203	05/02/2017	05/02/2022
DOL	DOL		MCLEAN "MIKKI" DRAKE		1229 JAMES STREET SYRACUSE NY 13203	05/02/2017	05/02/2022

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DOL	DOL		MCLEAN M DRAKE-BEANE		1229 JAMES STREET SYRACUSE NY 13203	05/02/2017	05/02/2022
DOL	DOL	*****9445	MCLEAN M WALSH	ELITE PROFESSION AL PAINTING OF CNY	1229 JAMES STREET SYRACUSE NY 13203	05/02/2017	05/02/2022
DOL	DOL	*****9445	MCLEAN M WALSH	ELITE PROFESSION AL PAINTING OF CNY	1229 JAMES STREET SYRACUSE NY 13203	05/02/2017	05/02/2022
DOL	DOL		MICHAEL LENIHAN		1079 YONKERS AVE UNIT 4YONKERS NY 10704	08/07/2018	08/07/2023
DOL	AG		MICHAEL RIGLIETTI		31 BAY ST BROOKLYN NY 11231	03/28/2018	03/28/2023
DOL	DOL	*****4829	MILESTONE ENVIRONMENTAL CORPORATION		704 GINESI DRIVE SUITE 29MORGANVILLE NJ 07751	04/10/2019	04/10/2024
DOL	NYC	*****9926	MILLENNIUM FIRE PROTECTION, LLC		325 W. 38TH STREET SUITE 204NEW YORK NY 10018	11/14/2019	11/14/2024
DOL	NYC	*****0627	MILLENNIUM FIRE SERVICES, LLC		14 NEW DROP LNE 2ND FLOORSTATEN ISLAND NY 10306	11/14/2019	11/14/2024
DOL	NYC	*****3826	MOVING MAVEN OF NY, INC.		1010 NORTHERN BLVD. GREAT NECK NY 11021	03/09/2017	03/09/2022
DOL	NYC	*****3550	MOVING MAVEN, INC		1010 NORTHERN BLVD. GREAT NECK NY 11021	03/09/2017	03/09/2022
DOL	AG		MSR ELECTRICAL CONSTRUCTION CORP.		31 BAY ST BROOKLYN NY 11231	03/28/2018	03/28/2023
DOL	DOL		MUHAMMAD BEIG		142 EAST MARKET STREET LONG BEACH NY 11561	03/07/2017	03/07/2022
DOL	DOL		MUHAMMAD BEIG		142 EAST MARKET STREET LONG BEACH NY 11561	03/07/2017	03/07/2022
DOL	NYC		MUHAMMED A. HASHEM		524 MCDONALD AVENUE BROOKLYN NY 11218	09/17/2020	09/17/2025
DOL	NYC		NAMOW, INC.		84-22 GRAND AVENUE ELMHURST NY 11373	03/10/2020	03/10/2025
DOL	DA	*****9786	NATIONAL INSULATION & GC CORP		180 MILLER PLACE HICKSVILLE NY 11801	12/12/2018	12/12/2023
DOL	DOL	*****3684	NATIONAL LAWN SPRINKLERS, INC.		645 N BROADWAY WHITE PLAINS NY 10603	05/14/2018	05/14/2023
DOL	NYC		NICHOLAS FILIPAKIS		7113 FORT HAMILTON PARKWA BROOKLYN NY 11228	12/09/2016	12/09/2021
DOL	DOL		NICHOLE E. FRASER A/K/A NICHOLE RACE		3469 STATE RT. 69 PERISH NY 13131	09/29/2021	09/29/2026
DOL	DOL	*****7429	NICOLAE I. BARBIR	BESTUCCO CONSTRUCTI ON, INC.	444 SCHANTZ ROAD ALLEN TOWN PA 18104	09/17/2020	09/17/2025
DOL	DOL	*****0065	NORTHEAST LANDSCAPE AND MASONRY ASSOC		3 WEST MAIN ST/SUITE 208 ELMSFORD NY 10523	01/23/2017	01/23/2022
DOL	DOL	*****1845	OC ERECTERS, LLC A/K/A OC ERECTERS OF NY INC.		1207 SW 48TH TERRACE DEERFIELD BEACH FL 33442	01/16/2018	01/16/2023
DOL	NYC	*****0818	ONE TEN RESTORATION, INC.		2366 61ST ST BROOKLYN NY 11204	12/15/2016	12/15/2021
DOL	NYC		PARESH SHAH		29 PHILLIP DRIVE PARSIPPANY NJ 07054	02/13/2017	02/13/2022
DOL	DOL		PAULINE CHAHALES		935 S LAKE BLVD MAHOPAC NY 10541	03/02/2021	03/02/2026
DOL	NYC	*****9422	PELIUM CONSTRUCTION, INC.		22-33 35TH ST. ASTORIA NY 11105	12/30/2016	12/30/2021
DOL	DOL		PETER M PERGOLA		3 WEST MAIN ST/SUITE 208 ELMSFORD NY 10523	01/23/2017	01/23/2022
DOL	DOL		PETER STEVENS		11 OLD TOWN ROAD SELKIRK NY 12158	02/02/2021	02/02/2026
DOL	DOL		PIERRE LAPORT		224 COUNTY HIGHWAY 138 BROADALBIN NY 12025	03/07/2017	03/07/2022
DOL	DOL	*****1543	PJ LAPORT FLOORING INC		224 COUNTY HIGHWAY 138 BROADALBIN NY 12025	03/07/2017	03/07/2022
DOL	NYC	*****5771	PMJ ELECTRICAL CORP		7113 FORT HAMILTON PARKWA BROOKLYN NY 11228	12/09/2016	12/09/2021
DOL	DOL	*****0466	PRECISION BUILT FENCES, INC.		1617 MAIN ST PEEKSKILL NY 10566	03/03/2020	03/03/2025
DOL	NYC	*****4532	PROFESSIONAL PAVERS CORP.		66-05 WOODHAVEN BLVD. REGO PARK NY 11374	04/20/2017	04/20/2022

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DOL	NYC		RASHEL CONSTRUCTION CORP		524 MCDONALD AVENUE BROOKLYN NY 11218	09/17/2020	09/17/2025
DOL	DOL	*****1068	RATH MECHANICAL CONTRACTORS, INC.		24 ELDOR AVENUE NEW CITY NY 10956	02/03/2020	02/03/2025
DOL	DOL	*****2633	RAW POWER ELECTRIC CORP		3 PARK CIRCLE MIDDLETOWN NY 10940	01/30/2018	01/30/2023
DOL	AG	*****7015	RCM PAINTING INC.		69-06 GRAND AVENUE 2ND FLOORMASPETH NY 11378	02/07/2018	02/07/2023
DOL	DA	*****7559	REGAL CONTRACTING INC.		24 WOODBINE AVE NORTHPORT NY 11768	10/01/2020	10/01/2025
DOL	DOL		REGINALD WARREN		161 ROBYN RD MONROE NY 10950	01/30/2018	01/30/2023
DOL	DOL	*****9148	RICH T CONSTRUCTION		107 WILLOW WOOD LANE CAMILLUS NY 13031	11/13/2018	11/13/2023
DOL	DOL		RICHARD MACONE		8617 THIRD AVE BROOKLYN NY 11209	09/17/2018	09/17/2023
DOL	DOL		RICHARD REGGIO		1617 MAIN ST PEEKSKILL NY 10566	03/03/2020	03/03/2025
DOL	DOL	*****9148	RICHARD TIMIAN	RICH T CONSTRUCTION	108 LAMONT AVE SYRACUSE NY 13209	10/16/2018	10/16/2023
DOL	DOL		RICHARD TIMIAN JR.		108 LAMONT AVE SYRACUSE NY 13209	10/16/2018	10/16/2023
DOL	DOL		RICHARD TIMIAN JR.		108 LAMONT AVE SYRACUSE NY 13209	11/13/2018	11/13/2023
DOL	DOL		ROBBYE BISSESEAR		89-51 SPRINGFIELD BLVD QUEENS VILLAGE NY 11427	01/11/2003	01/11/3003
DOL	DOL		ROBERT A. VALERINO		3841 LANYARD COURT NEW PORT RICHEY FL 34652	07/09/2019	07/09/2024
DOL	DOL		ROBERT BRUNO		5 MORNINGSIDE DRIVE AUBURN NY 13021	05/28/2019	05/28/2024
DOL	NYC		ROBERT HOHMAN		149 FIFTH AVE NEW YORK NY 10010	12/29/2016	12/29/2021
DOL	DOL		RODERICK PUGH		404 OAK ST SUITE 101SYRACUSE NY 13203	07/23/2018	07/23/2023
DOL	DOL	*****4880	RODERICK PUGH CONSTRUCTION INC.		404 OAK ST SUITE 101SYRACUSE NY 13203	07/23/2018	07/23/2023
DOL	DOL		ROMEO WARREN		161 ROBYN RD MONROE NY 10950	01/30/2018	01/30/2023
DOL	DOL		RONALD MESSEN		14B COMMERCIAL AVE ALBANY NY 12065	11/14/2019	11/14/2024
DOL	DOL		ROSEANNE CANTISANI			06/12/2018	06/12/2023
DOL	DOL		RYAN ALBIE		21 S HOWELLS POINT ROAD BELLPORT NY 11713	02/21/2017	02/21/2022
DOL	DOL	*****3347	RYAN ALBIE CONTRACTING INC		21 S HOWELLS POINT ROAD BELLPORT NY 11713	02/21/2017	02/21/2022
DOL	DOL	*****1365	S & L PAINTING, INC.		11 MOUNTAIN ROAD P.O BOX 408MONROE NY 10950	03/20/2019	03/20/2024
DOL	DOL	*****7730	S C MARTIN GROUP INC.		2404 DELAWARE AVE NIAGARA FALLS NY 14305	09/12/2018	09/12/2023
DOL	DOL		SAL FRESINA MASONRY CONTRACTORS, INC.		1935 TEALL AVENUE SYRACUSE NY 13206	07/16/2021	07/16/2026
DOL	DOL		SAL MASONRY CONTRACTORS, INC.		(SEE COMMENTS) SYRACUSE NY 13202	07/16/2021	07/16/2026
DOL	DOL	*****9874	SALFREE ENTERPRISES INC		P.O BOX 14 2821 GARDNER RDPOMPEI NY 13138	07/16/2021	07/16/2026
DOL	DOL		SALVATORE A FRESINA A/K/A SAM FRESINA		107 FACTORY AVE P.O BOX 11070SYRACUSE NY 13218	07/16/2021	07/16/2026
DOL	DOL		SAM FRESINA		107 FACTORY AVE P.O BOX 11070SYRACUSE NY 13218	07/16/2021	07/16/2026
DOL	NYC	*****0349	SAM WATERPROOFING INC		168-42 88TH AVENUE APT.1 AJAMAICA NY 11432	11/20/2019	11/20/2024
DOL	NYC		SANDEEP BOPARAI		185-06 56TH AVE FRESH MEADOW NY 11365	10/17/2017	10/17/2022
DOL	NYC	*****1130	SCANA CONSTRUCTION CORP.		863 WASHINGTON STREET FRANKLIN SQUARE NY 11010	03/10/2020	03/10/2025
DOL	DOL	*****9751	SCW CONSTRUCTION		544 OLD ROUTE 23 ACRE NY 12405	02/14/2017	02/14/2022

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DOL	NYC	*****6597	SHAIRA CONSTRUCTION CORP.		421 HUDSON STREET SUITE C5NEW YORK NY 10014	02/20/2019	02/20/2024
DOL	DOL	*****1961	SHANE BURDICK	CENTRAL TRAFFIC CONTROL, LLC.	2238 BAKER ROAD GILLET PA 16923	03/12/2018	03/12/2023
DOL	DOL		SHANE BURDICK		2238 BAKER ROAD GILLET PA 16923	03/12/2018	03/12/2023
DOL	DOL		SHANE NOLAN		9365 WASHINGTON ST LOCKPORT IL 60441	07/23/2018	07/23/2023
DOL	DOL		SHULEM LOWINGER		11 MOUNTAIN ROAD 28 VAN BUREN DRMONROE NY 10950	03/20/2019	03/20/2024
DOL	DOL	*****0816	SOLAR ARRAY SOLUTIONS, LLC		9365 WASHINGTON ST LOCKPORT IL 60441	07/23/2018	07/23/2023
DOL	DOL	*****0440	SOLAR GUYS INC.		8970 MIKE GARCIA DR MANASSAS VA 20109	07/16/2021	07/16/2026
DOL	DOL	*****2221	SOUTH BUFFALO ELECTRIC, INC.		1250 BROADWAY ST BUFFALO NY 14212	02/03/2020	02/03/2025
DOL	DOL		STANADOS KALOGELAS		485 RAFT AVENUE HOLBROOK NY 11741	10/19/2021	10/19/2026
DOL	DOL	*****3496	STAR INTERNATIONAL INC		89-51 SPRINGFIELD BLVD QUEENS VILLAGE NY 11427	08/11/2003	08/11/3003
DOL	DOL	*****6844	STEAM PLANT AND CHX SYSTEMS INC.		14B COMMERCIAL AVENUE ALBANY NY 12065	11/14/2019	11/14/2024
DOL	DOL	*****9933	STEED GENERAL CONTRACTORS, INC.		1445 COMMERCE AVE BRONX NY 10461	05/30/2019	05/30/2024
DOL	DOL	*****9528	STEEL-IT, LLC.		17613 SANTE FE LINE ROAD WAYNESFIELD OH 45896	07/16/2021	07/16/2026
DOL	DOL		STEFANOS PAPASTEFANOU, JR. A/K/A STEVE PAPASTEFANOU, JR.		256 WEST SADDLE RIVER RD UPPER SADDLE RIVER NJ 07458	05/30/2019	05/30/2024
DOL	DOL	*****9751	STEPHEN C WAGAR		544 OLD ROUTE 23 ACRE NY 12405	02/14/2017	02/14/2022
DOL	DOL		STEVE TATE		415 FLAGER AVE #302STUART FL 34994	10/31/2018	10/31/2023
DOL	DOL		STEVEN MARTIN		2404 DELWARE AVE NIAGARA FALLS NY 14305	09/12/2018	09/12/2023
DOL	DOL		STEVEN TESTA		50 SALEM STREET - BLDG B LYNNFIELD MA 01940	01/23/2017	01/23/2022
DOL	NYC	*****5863	SUKHMANY CONSTRUCTION, INC.		185-06 56TH AVE FRESH MEADOW NY 11365	10/17/2017	10/17/2022
DOL	DOL	*****1060	SUNN ENTERPRISES GROUP, LLC		370 W. PLEASANTVIEW AVE SUITE 2.329HACKENSACK NJ 07601	02/11/2019	02/11/2024
DOL	DOL	*****8209	SYRACUSE SCALES, INC.		158 SOLAR ST SYRACUSE NY 13204	01/07/2019	01/07/2024
DOL	DOL		TALAILA OCAMPA		1207 SW 48TH TERRACE DEERFIELD BEACH FL 33442	01/16/2018	01/16/2023
DOL	DOL		TERRY THOMPSON		11371 RIDGE RD WOLCOTT NY 14590	02/03/2020	02/03/2025
DOL	DOL	*****9733	TERSAL CONSTRUCTION SERVICES INC		107 FACTORY AVE P.O BOX 11070SYRACUSE NY 13208	07/16/2021	07/16/2026
DOL	DOL		TERSAL CONTRACTORS, INC.		221 GARDNER RD P.O BOX 14POMPEI NY 13138	07/16/2021	07/16/2026
DOL	DOL		TERSAL DEVELOPMENT CORP.		1935 TEALL AVENUE SYRACUSE NY 13206	07/16/2021	07/16/2026
DOL	DOL		TEST		P.O BOX 123 ALBANY NY 12204	05/20/2020	05/20/2025
DOL	DOL	*****6789	TEST1000		P.O BOX 123 ALBANY NY 12044	03/01/2021	03/01/2026
DOL	DOL	*****5570	TESTA CORP		50 SALEM STREET - BLDG B LYNNFIELD MA 01940	01/23/2017	01/23/2022
DOL	DOL	*****5766	THE COKER CORPORATION	COKER CORPORATIO N	2610 SOUTH SALINA ST SUITE 14SYRACUSE NY 13205	12/04/2018	12/04/2023
DOL	DOL	*****5766	THE COKER CORPORATION	COKER CORPORATIO N	2610 SOUTH SALINA ST SUITE 14SYRACUSE NY 13205	09/17/2020	09/17/2025
DOL	DA	*****4106	TRIPLE H CONCRETE CORP		2375 RAYNOR STREET RONKONKOMA NY 11779	08/04/2021	08/04/2026
DOL	DOL	*****6392	V.M.K CORP.		8617 THIRD AVE BROOKLYN NY 11209	09/17/2018	09/17/2023
DOL	DOL	*****6418	VALHALLA CONSTRUCTION, LLC.		796 PHLEPS ROAD FRANKLIN LAKES NJ 07417	12/01/2020	12/01/2025

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DOL	NYC	*****7361	VIABLE HOLDINGS, INC.	MOVING MAVEN	1010 NORTHERN BLVD. GREAT NECK NY 11021	03/09/2017	03/09/2022
DOL	DOL		VICTOR ALICANTI		42-32 235TH ST DOUGLASTON NY 11363	01/14/2019	01/14/2024
DOL	NYC		VIKTAR PATONICH		2630 CROPSY AVE BROOKLYN NY 11214	10/30/2018	10/30/2023
DOL	DOL		VIKTORIA RATH		24 ELDOR AVENUE NEW CITY NY 10956	02/03/2020	02/03/2025
DOL	NYC		VITO GARGANO		1535 RICHMOND AVE STATEN ISLAND NY 10314	12/13/2017	12/13/2022
DOL	NYC	*****3673	WALTERS AND WALTERS, INC.		465 EAST AND THIRD ST MT. VERNON NY 10550	09/09/2019	09/09/2024
DOL	DOL	*****3296	WESTERN NEW YORK CONTRACTORS, INC.		3841 LAYNARD COURT NEW PORT RICHEY FL 34652	07/09/2019	07/09/2024
DOL	DOL		WHITE PLAINS CARPENTRY CORP		442 ARMONK RD	06/12/2018	06/12/2023
DOL	DOL		WILLIAM C WATKINS		1229 JAMES STREET SYRACUSE NY 13203	05/02/2017	05/02/2022
DOL	DOL	*****4043	WINDSHIELD INSTALLATION NETWORK, INC.		200 LATTA BROOK PARK HORSEHEADS NY 14845	03/08/2018	03/08/2023
DOL	DOL	*****4730	XGD SYSTEMS, LLC	TDI GOLF	415 GLAGE AVE #302STUART FL 34994	10/31/2018	10/31/2023
DOL	NYC		ZAKIR NASEEM		30 MEADOW ST BROOKLYN NY 11206	10/10/2017	10/10/2022
DOL	NYC	*****8277	ZHN CONTRACTING CORP		30 MEADOW ST BROOKLYN NY 11206	10/10/2017	10/10/2022

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 - D. 230523 - General-Duty Valves for HVAC Piping
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END OF SECTION

SECTION 000102
PROJECT INFORMATION

PART 1 GENERAL

1.1 PROJECT IDENTIFICATION

- A. Project Name: Orangetown Town Hall Addition and Alterations, located at:
26 West Orangeburg Road.
Orangeburg, New York 10962.
- B. Architect's Project Number: 2219-05.
- C. The Owner, hereinafter referred to as Owner: Town of Orangetown
 - 1. The Owner is exempt from payment of sales tax. No Tax Exemption Number is available. A written letter of tax exempt status can be provided upon written request.
- D. Owner's Project Manager: Ms. Jane Slavin, RA.
 - 1. Department: Planning-Zoning-Administration and Enforcement.
 - 2. Address: 26 West Orangeburg Road.
 - 3. City, State, Zip: Orangeburg, NY 10962.
 - 4. Phone/Fax: (845) 359-8410.
 - 5. E-mail: jslavin@orangetown.com.

1.2 NOTICE TO PROSPECTIVE BIDDERS

- A. These documents constitute an Invitation to Bid to and request for qualifications from General Contractors for the construction of the project described below.

1.3 PROJECT DESCRIPTION

- A. Summary Project Description: Construction of a 3-story addition to the existing Town Hall, including interior alterations, mechanical, plumbing, electrical, fire protection, and associated site work.
- B. Project Scope: General Construction, Plumbing, HVAC, Fire Protection, and Electrical construction, demolition, renovation, hazardous material removal, facility operations during occupancy, and phasing and sequencing.
- C. Contract Terms: Stipulated Sum.
- D. The currently occupied premises at the project site are open for examination by bidders only during the following days and hours, by appointment only:
 - 1. Monday through Friday: 9 am to 5 pm.

1.4 PROJECT CONTACTS

- A. The Architect, hereinafter referred to as Architect: Lothrop Associates LLP Architects.
Contact Mike Berta or Brett Huttman.
 - 1. Address: 333 Westchester Avenue.
 - 2. City, State, Zip: White Plains, NY 10604.
 - 3. Phone/Fax: 914-741-1115, Ext. 258 for Mike Berta, Ext. 310 for Brett Huttman.

4. Mike Berta's E-mail: mberta@lothropassociates.com..
5. Brett Huttman's E-mail: bhuttman@lothropassociates.com

1.5 PROCUREMENT TIMETABLE

- A. Mandatory Pre-Bid Site Tour: November 30, 2021 at 10:00 am.
- B. Last Request for Substitution Due: 8 days prior to due date of bids, December 30, 2021.
- C. Last Request for Information Due: 12 days prior to due date of bids, December 27, 2021 .
- D. Bid Due Date: January 7, 2022, before 11:00 am local time.
- E. Public Bid Opening: January 7, 2022, 1:30 pm local time.
- F. Notice to Proceed: Not later than 7 days after bid due date.
- G. Bids May Not Be Withdrawn Until: 60 days after bid due date.
- H. Contract Time: To be stated in bid documents.
- I. Construction Start Date: To Be Determined following award of contract.
- J. Substantial Completion Date for Base Bid Work, All Contracts: Not later than 540 calendar days from Notice to Proceed.
- K. Substantial Completion Date for Base Bid plus Accepted Alternates Work: Not later than 660 calendar days from Notice to Proceed.
- L. Final Completion Date: Not later than 660 calendar days from Notice to Proceed.
- M. The Owner reserves the right to revise the schedule or terminate the entire bid process at any time.

1.6 BID DOCUMENTS

- A. Availability of Documents: Complete sets of bid documents may be obtained:
 1. Via electronic transmission from the Architect. Requests shall be made via email. See Part 1.4 A.

1.7 BID SECURITY

- A. Bids shall be accompanied by a security deposit as follows:
 1. Bid Bond or Certified Check not less than 5 percent of the Bid Amount on AIA A310 Bid Bond Form.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF SECTION

SECTION 000103
PROJECT DIRECTORY

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Identification of project team members and their contact information.

1.2 OWNER:

- A. Town of Orangetown.
Office of Planning-Zoning-Administration and Enforcement.
26 West Orangeburg Road.
Orangeburg.
NY.
10962.
Telephone: (845) 359-8410.
- B. Primary Contact: All correspondence from the Contractor to the Architect will be through this party, unless alternate arrangements are mutually agreed upon at preconstruction meeting.
1. Title: Director of Office of Building, Zoning, Planning, Administration and Enforcement.
 2. Name: Ms. Jane Slavin, RA.
 3. Email: jslavin@orangetown.com.

1.3 CONSULTANTS:

- A. Architect: Design Professional of Record. All correspondence from the Contractor regarding construction documents authored by Architect's consultants will be through this party, unless alternate arrangements are mutually agreed upon at preconstruction meeting.
1. Lothrop Associates LLP Architects.
333 Westchester Avenue.
White Plains.
NY.
10604.
Telephone: (914) 941-1115.
 2. Primary Contact:
 - a. Title: Associate Architect.
 - b. Name: Mr. Michael Berta, RA.
 - c. Email: mberta@lothropassociates.com.
 3. Secondary Contact:
 - a. Title: Project Manager
 - b. Name: Mr. Brett Huttman, RA
 - c. Email: bhuttman@lothropassociates.com
- B. Civil Engineering Consultant:
1. Tectonic.
PO Box 37 70 Pleasant Hill Road.
Mountainville.
NY.

10953.
Telephone: (845) 534-5959.
2. Primary Contact:
- a. Title: Senior Engineer.
 - b. Name: Mr. Louis J. Greco, PE.
 - c. Email: LJGreco@tectonicengineering.com.
- C. Structural Engineering Consultant:
1. B Cubed.
6 East Main Street.
Westport.
CT.
06880.
Telephone: (203) 349-5916.
2. Primary Contact:
- a. Title: Owner.
 - b. Name: Mr. Domenico Antonelli.
 - c. Email: dantonelli@bbb-engineering.com.
- D. Mechanical, Electrical, HVAC and Fire Protection Engineering Consultant
1. CBK Engineering PC.
44-46 Foster Road, Suite 7.
Hopewell Junction.
NY.
12533.
Telephone: (914) 509-8161.
2. Primary Contact:
- a. Title: Owner.
 - b. Name: Mr. Mark Velzy, PE .
 - c. Email: cbkengineering@yahoo.com.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 000115 - LIST OF DRAWINGS

A000 COVER SHEET

CIVIL ENGINEERING

C-001 EXISTING SITE SURVEY
C-100 GENERAL NOTES & LEGEND
C-101 DEMOLITION PLAN
C-102 SITE PLAN
C-103 GRADING & DRAINAGE PLAN
C-104 UTILITY PLAN
C-105 EROSION & SEDIMENT CONTROL PLAN
C-106 LANDSCAPING & LIGHTING PLAN
C-107 SEQUENCING PLAN
C-201 SITE DETAILS
C-202 SITE DETAILS
C-203 SITE DETAILS
C-204 SITE DETAILS
C-205 SITE DETAILS
C-206 SITE DETAILS
C-301 DRAINAGE PROFILES
C-302 WATER PROFILE
C-303 SANITARY PROFILES

ARCHITECTURAL

A001 NOTES AND LEGENDS (ALTERNATE 04)
A002 NOTES AND LEGENDS
A003 DOOR SCHEDULE
A004 WINDOW SCHEDULE & DETAILS, LOUVER TYPES
A005 CODE CHARTS AND TABLES
A006 CODE CHARTS AND TABLES
A010 BASEMENT OVERALL PLAN AND EGRESS PLAN
A011 LEVEL 01 OVERALL PLAN AND EGRESS PLAN
A012 LEVEL 02 OVERALL PLAN AND EGRESS PLAN
A013 LEVEL 03 OVERALL PLAN AND EGRESS PLAN
A014 ROOF OVERALL PLAN
A020 BASEMENT EXISTING REFERENCE PLANS
A021 MAIN LEVEL EXISTING REFERENCE PLANS
A022 ROOF EXISTING REFERENCE PLANS
A030 SCHEMATIC SEQUENCING DIAGRAM

A100(C)	BASEMENT DEMOLITION PLAN AREA 'C'
A100(D)	BASEMENT DEMOLITION PLAN AREA 'D'
A101(B)	LEVEL 01 DEMOLITION PLAN AREA 'B'
A101(C)	LEVEL 01 DEMOLITION PLAN AREA 'C'
A101(D)	LEVEL 01 DEMOLITION PLAN AREA 'D'
A110(A)	BASEMENT CONSTRUCTION PLAN AREA 'A'
A110(B)	BASEMENT CONSTRUCTION PLAN AREA 'B'
A110(C)	BASEMENT CONSTRUCTION PLAN AREA 'C'
A110(D)	BASEMENT CONSTRUCTION PLAN AREA 'D'
A111(A)	LEVEL 01 CONSTRUCTION PLAN AREA 'A'
A111(B)	LEVEL 01 CONSTRUCTION PLAN AREA 'B'
A111(C)	LEVEL 01 CONSTRUCTION PLAN AREA 'C'
A111(D)	LEVEL 01 CONSTRUCTION PLAN AREA 'D'
A112(A)	LEVEL 02 CONSTRUCTION PLAN AREA 'A'
A112(B)	LEVEL 02 CONSTRUCTION PLAN AREA 'B'
A112(C)	LEVEL 02 CONSTRUCTION PLAN AREA 'C'
A113(A)	LEVEL 03 CONSTRUCTION PLAN AREA 'A'
A113(B)	LEVEL 03 CONSTRUCTION PLAN AREA 'B'
A113(C)	LEVEL 03 CONSTRUCTION PLAN AREA 'C'
A114(A)	ROOF CONSTRUCTION PLAN AREA 'A'
A114(B)	ROOF CONSTRUCTION PLAN AREA 'B'
A114(C)	ROOF CONSTRUCTION PLAN AREA 'C'
A114(D)	ROOF CONSTRUCTION PLAN AREA 'D'
A120(C)	BASEMENT REFLECTED CEILING PLAN AREA 'C'
A120(D)	BASEMENT REFLECTED CEILING PLAN AREA 'D'
A121(A)	LEVEL 01 REFLECTED CEILING PLAN AREA 'A'
A121(B)	LEVEL 01 REFLECTED CEILING PLAN AREA 'B'
A121(C)	LEVEL 01 REFLECTED CEILING PLAN AREA 'C'
A122(A)	LEVEL 02 REFLECTED CEILING PLAN AREA 'A'
A122(B)	LEVEL 02 REFLECTED CEILING PLAN AREA 'B'
A123(A)	LEVEL 03 REFLECTED CEILING PLAN AREA 'A'
A123(B)	LEVEL 03 REFLECTED CEILING PLAN AREA 'B'
A130(C)	BASEMENT FINISH PLAN AREA 'C'
A131(A)	LEVEL 01 FINISH PLAN AREA 'A'
A131(B)	LEVEL 01 FINISH PLAN AREA 'B'
A131(C)	LEVEL 01 FINISH PLAN AREA 'C'
A132(A)	LEVEL 02 FINISH PLAN AREA 'A'
A132(B)	LEVEL 02 FINISH PLAN AREA 'B'
A133(A)	LEVEL 03 FINISH PLAN AREA 'A'
A133(B)	LEVEL 03 FINISH PLAN AREA 'B'
A141(A)	LEVEL 01 FURNITURE AND EQUIPMENT PLAN AREA 'A'
A141(B)	LEVEL 01 FURNITURE AND EQUIPMENT PLAN AREA 'B'
A141(C)	LEVEL 01 FURNITURE AND EQUIPMENT PLAN AREA 'C'
A142(A)	LEVEL 02 FURNITURE AND EQUIPMENT PLAN AREA 'A'
A142(B)	LEVEL 02 FURNITURE AND EQUIPMENT PLAN AREA 'B'
A143(A)	LEVEL 03 FURNITURE AND EQUIPMENT PLAN AREA 'A'
A143(B)	LEVEL 03 FURNITURE AND EQUIPMENT PLAN AREA 'B'
A150(C)	BASEMENT POWER AND TEL. LOCATION PLAN AREA 'C'
A151(A)	LEVEL 01 POWER AND TELEPHONE LOCATION PLAN AREA 'A'
A151(B)	LEVEL 01 POWER AND TELEPHONE LOCATION PLAN AREA 'B'
A151(C)	LEVEL 01 POWER AND TELEPHONE LOCATION PLAN AREA 'C'
A151(D)	LEVEL 01 POWER AND TELEPHONE LOCATION PLAN AREA 'D'
A152(A)	LEVEL 02 POWER AND TELEPHONE LOCATION PLAN AREA 'A'
A152(B)	LEVEL 02 POWER AND TELEPHONE LOCATION PLAN AREA 'B'

A153(A)	LEVEL 03 POWER AND TELEPHONE LOCATION PLAN AREA 'A'
A153(B)	LEVEL 03 POWER AND TELEPHONE LOCATION PLAN AREA 'B'
A200	BUILDING ELEVATIONS
A201	BUILDING SECTIONS AND ELEVATIONS
A202	BUILDING SECTIONS
A203	BUILDING SECTIONS
A400	SECTIONS, ELEVATIONS AND DETAILS
A401	SECTIONS, ELEVATIONS AND DETAILS
A402	SECTIONS, ELEVATIONS AND DETAILS
A403	SECTIONS, ELEVATIONS AND DETAILS
A404	SECTIONS, ELEVATIONS AND DETAILS
A405	SECTIONS, ELEVATIONS AND DETAILS
A406	SECTIONS, ELEVATIONS AND DETAILS
A407	SECTIONS, ELEVATIONS AND DETAILS
A500	DOOR DETAILS
A501	ELEVATIONS AND DETAILS
A502	ELEVATIONS AND DETAILS
A503	(NOT USED)
A504	SECTIONS, ELEVATIONS AND DETAILS
A505	SECTIONS, ELEVATIONS AND DETAILS
A506	WATERPROOFING DETAILS
A507	WATERPROOFING DETAILS
A550	SOUTH CANOPY DETAILS
A551	SOUTH CANOPY DETAILS
A560	ENLARGED ROOF PLANS AND DETAILS
A561	MISCELLANEOUS ROOF DETAILS
A562	MISCELLANEOUS ROOF DETAILS
A600	STAIR SECTIONS AND ENLARGED PLANS
A601	STAIR SECTIONS AND ENLARGED PLANS
A602	ELEVATOR SECTIONS AND ENLARGED PLANS
A603	EXTERIOR STAIR AND RAMP DETAILS
A604	EXTERIOR STAIR AND RAMP DETAILS
A605	INTERIOR ELEVATIONS AND DETAILS
A606	INTERIOR ELEVATIONS AND DETAILS
A607	INTERIOR ELEVATIONS AND DETAILS
A608	INTERIOR ELEVATIONS AND DETAILS
A609	INTERIOR ELEVATIONS AND DETAILS
A610	INTERIOR ELEVATIONS AND DETAILS
A611	INTERIOR ELEVATIONS AND DETAILS
A612	INTERIOR ELEVATIONS AND DETAILS
A613	INTERIOR ELEVATIONS AND DETAILS
A614	INTERIOR ELEVATIONS AND DETAILS
A700	MILLWORK SECTIONS AND DETAILS
A701	MILLWORK SECTIONS AND DETAILS
A800	MISCELLANEOUS SITE DETAILS
A801	TEMPORARY ACCESSIBLE RAMP PLAN AND SECTIONS
A900	ALTERNATE 01 - RE-FINISH AND RE-PLUMB EXISTING TOILET ROOMS
A901	ALTERNATE 01 - RE-FINISH AND RE-PLUMB EXISTING TOILET ROOMS
A902	ALTERNATE 01 - RE-FINISH AND RE-PLUMB EXISTING TOILET ROOMS
A903	ALTERNATE 01 - RE-FINISH AND RE-PLUMB EXISTING TOILET ROOMS
A904	ALTERNATE 02 - FIT-OUT NEW THIRD FLOOR TOILET ROOMS
A905	ALTERNATE 03 - FOLDING PARTITIONS AT ATRIUM
A906	ALTERNATE LEGEND

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S-001	GENERAL NOTES 1
S-002	GENERAL NOTES 2
S-100	FOUNDATION PLAN & 1ST FLOOR PART FRAMING PLAN
S-101	2ND FLOOR & LOW ROOF FRAMING PLAN
S-102	3RD FLOOR FRAMING PLAN
S-103	ROOF FRAMING PLAN
S-104	DUNNAGE FRAMING PLAN
S-500	TYPICAL CONCRETE SECTIONS & DETAILS 1
S-501	TYPICAL CONCRETE SECTIONS & DETAILS 2
S-502	CONCRETE SECTIONS & DETAILS 1
S-503	TYPICAL STEEL SECTIONS & DETAILS 1
S-504	TYPICAL STEEL SECTIONS & DETAILS 2
S-505	STEEL SECTIONS & DETAILS 1
S-600	SHEAR WALL PLAN & DETAILS
S-601	TYPICAL MASONRY SECTIONS & DETAILS
S-900	COLUMN SCHEDULE

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FP-001	GENERAL NOTES AND LEGEND
FP-030	BASEMENT LEVEL AND LEVEL 01 PLANS FOR ALTERNATE 01
FP-101	BASEMENT LEVEL AND LEVEL 01 DEMOLITION PLANS AND NOTES
FP-200	BASEMENT FLOOR PLAN AND NOTES
FP-201	LEVEL 01 FLOOR PLAN AND NOTES
FP-202	LEVEL 02 FLOOR PLAN AND NOTES
FP-203	LEVEL 03 FLOOR PLAN, ROOF PART PLAN AND NOTES
FP-301	RISER DIAGRAM, SCHEDULES AND DETAILS

PLUMBING

P-001	ABBREVIATION LIST, GENERAL NOTES AND LEGEND
P-030	BASEMENT LEVEL AND LEVEL 01 LOCATION PLANS FOR ALTERNATE 01
P-031	ALTERNATE PLANS AND NOTES
P-101	BASEMENT AND LEVEL 01 DEMOLITION PLAN AND NOTES
P-201	BASEMENT LEVEL CONSTRUCTION PLAN AND NOTES
P-202	LEVEL 01 CONSTRUCTION PLAN AND NOTES
P-203	LEVEL 02 CONSTRUCTION PLAN AND NOTES
P-204	LEVEL 03 CONSTRUCTION PLAN AND NOTES
P-205	ROOF PLAN AND NOTES
P-206	SITE PLAN, BACKFLOW PIPING AND NOTES
P-301	RISER DIAGRAMS
P-302	SCHEDULES AND DETAILS

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M-001	MECHANICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES
M-030	BASEMENT LEVEL AND LEVEL 01 LOCATION PLANS FOR ALTERNATE 01
M-031	ALTERNATE PLANS AND NOTES
M-101	BASEMENT DEMOLITION PLAN AND NOTES
M-102	LEVEL 01 DEMOLITION PART PLAN, SITE PLAN AND NOTES
M-201	LEVEL 01 CONSTRUCTION PLAN AND NOTES
M-202	LEVEL 02 CONSTRUCTION PLAN AND NOTES
M-203	LEVEL 03 CONSTRUCTION PLAN AND NOTES
M-204	ROOF PLAN AND NOTES

M-205	LEVEL 01 PIPING PLAN AND NOTES
M-206	LEVEL 02 PIPING PLAN AND NOTES
M-207	LEVEL 03 MECHANICAL ROOM PART PLAN AND NOTES
M-208	BASEMENT PLAN AND NOTES
M-301	SCHEDULES
M-302	SCHEDULES AND DETAILS
M-303	DETAILS
M-304	RISER DIAGRAMS AND DETAILS
M-305	CONTROLS DIAGRAMS

ELECTRICAL

E-001	ELECTRICAL SYMBOLS LIST, LIGHTING FIXTURE SCHEDULE AND ABBREVIATIONS
E-030	BASEMENT LEVEL PART PLANS - ALTERNATE 01
E-031	LEVEL 01 PART PLANS - ALTERNATE 01
E-101	ELECTRICAL BASEMENT LEVEL FLOOR PLAN (REMOVALS)
E-102	ELECTRICAL LEVEL 01 PLAN (REMOVALS)
E-103	ELECTRICAL LEVEL 02 PLAN (REMOVALS)
E-201	ELECTRICAL SITE PLAN
E-202	ELECTRICAL BASEMENT LEVEL FLOOR PLAN (POWER)
E-203	ELECTRICAL BASEMENT LEVEL FLOOR PLAN (IT/DATA/SECURITY)
E-204	ELECTRICAL BASEMENT LEVEL FLOOR PLAN (LIGHTING)
E-205	ELECTRICAL BASEMENT LEVEL FLOOR PLAN (LIGHTING CONTROL)
E-206	ELECTRICAL BASEMENT LEVEL FLOOR PLAN (FIRE ALARM)
E-207	ELECTRICAL LEVEL 01 PLAN (POWER)
E-208	ELECTRICAL LEVEL 01 PLAN (IT/DATA/SECURITY)
E-209	ELECTRICAL LEVEL 01 PLAN (LIGHTING)
E-210	ELECTRICAL LEVEL 01 PLAN (LIGHTING CONTROL)
E-211	ELECTRICAL LEVEL 01 PLAN (FIRE ALARM)
E-212	ELECTRICAL LEVEL 02 PLAN (POWER)
E-213	ELECTRICAL LEVEL 02 PLAN (IT/DATA/SECURITY)
E-214	ELECTRICAL LEVEL 02 PLAN (LIGHTING)
E-215	ELECTRICAL LEVEL 02 PLAN (LIGHTING CONTROL)
E-216	ELECTRICAL LEVEL 02 PLAN (FIRE ALARM)
E-217	ELECTRICAL LEVEL 03 PLAN (POWER)
E-218	ELECTRICAL LEVEL 03 PLAN (IT/DATA/SECURITY)
E-219	ELECTRICAL LEVEL 03 PLAN (LIGHTING)
E-220	ELECTRICAL LEVEL 03 PLAN (LIGHTING CONTROL)
E-221	ELECTRICAL LEVEL 03 PLAN (FIRE ALARM)
E-222	ELECTRICAL ROOF PLAN
E-223	ELECTRICAL ROOF PLAN (LIGHTNING PROTECTION)
E-301	ELECTRICAL ONE-LINE DIAGRAM
E-302	ELECTRICAL PART ONE-LINE POWER DIAGRAM, OUTDOOR PLANT FIBER OPTIC DIAGRAM AND KEYED NOTES
E-303	IT/COMMUNICATIONS RISER DIAGRAM
E-304	ELECTRICAL PANEL SCHEDULES
E-305	ELECTRICAL DETAILS
E-306	GENERATOR DETAILS
E-307	IT/DATA SPECIFICATIONS AND DETAILS

END OF SECTION

SECTION 002113
INSTRUCTIONS TO BIDDERS

SUMMARY

1.1 DOCUMENT INCLUDES

- A. Invitation
 - 1. Bid Submission
 - 2. Intent
 - 3. Work Identified in Contract Documents
 - 4. Contract Time
- B. Bid Documents and Contract Documents
 - 1. Definitions
 - 2. Contract Documents Identification
 - 3. Availability
 - 4. Examination
 - 5. Inquiries/Addenda
 - 6. Product/Assembly/System Substitutions
- C. Site Assessment
 - 1. Site Examination
 - 2. Prebid Walkthrough
- D. Qualifications
 - 1. Qualifications
 - 2. Prequalification
 - 3. Subcontractors/Suppliers/Others
- E. Bid Submission
 - 1. Submission Procedure
 - 2. Bid Ineligibility
- F. Bid Enclosures/Requirements
 - 1. Security Deposit
 - 2. Performance Assurance
 - 3. Insurance
 - 4. Bid Form Requirements
 - 5. Fees for Changes in the Work
 - 6. Bid Form Signature
 - 7. Additional Bid Information
 - 8. Selection and Award of Alternates
- G. Acceptance/Rejection
 - 1. Duration of Bid
 - 2. Acceptance of Bidr

1.2 RELATED DOCUMENTS

- A. Document 001113 - Advertisement for Bids.
- B. Document 004323 - Alternates Form.

- C. Document 007300 - Supplementary Conditions:

INVITATION

2.1 BID SUBMISSION

- A. Bids signed and under seal, executed, and dated will be received at the office of the Owner at Orangetown Town Hall, 26 West Orangeburg Road, Orangeburg, NY 10962 before 11:00 a.m. local standard time on the 7th day of January, 2022.
- B. Bids submitted after the above time shall be returned to the bidder unopened.
- C. Submit required Supplements To Bid Forms within 24 hours after closing time for receiving bids.
- D. Bids will be opened publicly at 1:30 pm, two and one half hours after receipt of bids.
- E. Amendments to the submitted offer will be permitted if received in writing prior to bid closing and if endorsed by the same party or parties who signed and sealed the offer.

2.2 INTENT

- A. The intent of this Bid request is to obtain Bids to perform work to complete a 3-story addition, including interior alterations and associated site work. Project is located at 26 West Orangeburg Road, Orangeburg, NY 10962 for multiple Stipulated Sum contracts, in accordance with Contract Documents.

2.3 WORK IDENTIFIED IN THE CONTRACT DOCUMENTS

- A. Work of this proposed Contract comprises building construction, site development, and alterations, including general construction, structural, mechanical, electrical, plumbing, and fire protection Work.
- B. Location: Town of Orangetown Town Hall located at 26 W Orangeburg Road, Orangeburg, NY 10962.

2.4 CONTRACT TIME

- A. Identify Contract Time in the Bid Form. The completion date in the Agreement shall be the Contract Time added to the commencement date.

BID DOCUMENTS AND CONTRACT DOCUMENTS

3.1 DEFINITIONS

- A. Bid Documents: Contract Documents supplemented with Invitation To Bid, Instructions to Bidders, Information Available to Bidders, Bid Form Supplements To Bid Forms and Appendices identified.
- B. Contract Documents: Defined in Section 1.1.1, AIA A201 including issued Addenda.
- C. Bid or Bidding: Act of submitting a bid under seal.
- D. Bid Amount: Monetary sum identified by the Bidder in the Bid Form.

3.2 CONTRACT DOCUMENTS IDENTIFICATION

- A. Contract Documents are identified as Project Number 2219-05, as prepared by Lothrop Associates LLP Architect which is located at 333 Westchester Avenue, White Plains, NY 10604, and with contents as identified in the Table of Contents.

3.3 AVAILABILITY

- A. Bid Documents may be obtained at the office of Architect via electronic transmission only.
- B. Bid Documents are made available only for the purpose of obtaining bids for this project. Their use does not grant a license for other purposes.
- C. Bid Documents may be obtained through BidNet at BidNet Direct.

3.4 EXAMINATION

- A. Upon receipt of Bid Documents verify that documents are complete. Notify Architect should the documents be incomplete.
- B. Immediately notify Architect upon finding discrepancies or omissions in the Bid Documents.

3.5 INQUIRIES/ADDENDA

- A. Direct questions in writing to Brett Huttman, email; bhuttman@lothropassociates.com or Michael Berta, email: mberta@lothropassociates.com.
- B. Addenda may be issued during the bidding period. All Addenda become part of Contract Documents. Include resultant costs in the Bid Amount.
- C. Verbal answers will not be considered as official and are not binding on any party.
- D. Clarifications requested by bidders must be in writing no later than 12:00 pm on December 27, 2021. The reply will be in the form of an Addendum, a copy of which will be forwarded to known recipients.

3.6 PRODUCT/ASSEMBLY/SYSTEM SUBSTITUTIONS

- A. Substitute products will be considered if submitted as an attachment to the Bid Form. Approval to submit substitutions prior to submission of bids is not required.
- B. In submission of substitutions to products specified, bidders shall include in their bid all changes required in the work and changes to Contract Time and Contract Sum to accommodate such substitutions. A later claim by the bidder for an addition to the Contract Time or Contract Sum because of changes in work necessitated by use of substitutions shall not be considered.
- C. The submission shall provide sufficient information to determine acceptability of such products.
- D. Provide complete information on required revisions to other work to accommodate each proposed substitution.
- E. Provide products as specified unless substitutions are submitted in this manner and accepted.

- F. See Section 016000 - Product Requirements for additional requirements.

SITE ASSESSMENT

4.1 SITE EXAMINATION

- A. Examine the project site before submitting a bid.
- B. The bidder is required to contact Architect at the following address and phone number in order to arrange a date and time to visit the project site: 333 Westchester Ave, White Plains, NY 10604; 914-741-1115.
 - 1. Primary Contact: Michael Berta at ext. 258 or 845-489-1638.
 - 2. Secondary Contact: Brett Huttman at ext. 310 or 845-625-3161.
- C. The currently occupied premises at the project site are open for examination by bidders only during the following hours, by appointment only:
 - 1. Week Days: 9:00 am to 5:00 pm.

4.2 RECOMMENDED PREBID SITE MEETING

- A. A recommended bidders walkthrough is scheduled for 10:00 a.m. on the 30th day of November, 2021 at the location of 26 W Orangeburg Road, Orangeburg, NY 10962.
- B. All potential bidders are invited. It is recommended that all bidding prime contractors attend.
- C. Representatives of Architect will be present.
- D. Summarized minutes of this meeting will be circulated to attendees. These minutes will not form part of Contract Documents.
- E. Information exchanged during the pre-bid site meeting, and relevant to Bidding and the Bid Documents, will be recorded in an Addendum and issued to all registered bidders.

QUALIFICATIONS

5.1 PREQUALIFICATION

- A. Bidders shall complete and submit Qualification Form AIA A305 along with their bids.
- B. Acceptance or rejection of this submittal will be made within 48 hours thereafter.

5.2 SUBCONTRACTORS/SUPPLIERS/OTHERS

- A. Owner reserves the right to reject a proposed subcontractor for reasonable cause.
- B. Refer to General Conditions.

BID SUBMISSION

6.1 SUBMISSION PROCEDURE

- A. Bidders shall be solely responsible for the delivery of their bids in the manner and time prescribed.

- B. Submit three (3) copies of the executed Bid on the Bid Forms provided, signed and sealed with the required security in a sealed opaque envelope, clearly identified with bidder's name, project name and Owner's name on the outside.
- C. Improperly completed information, irregularities in security deposit, may be cause not to open the Bid Form envelope and declare the bid invalid or informal.

6.2 BID INELIGIBILITY

- A. Bids that are unsigned, improperly signed or sealed, conditional, illegible, obscure, contain arithmetical errors, erasures, alterations, or irregularities of any kind, may at the discretion of the Owner, be declared unacceptable.
- B. Bid Forms, Appendices, and enclosures that are improperly prepared may, at the discretion of Owner, be rejected.
- C. Failure to provide security deposit, bonding or insurance requirements may, at the discretion of Owner, be waived.

BID ENCLOSURES/REQUIREMENTS

7.1 SECURITY DEPOSIT

- A. Bids shall be accompanied by a security deposit as follows:
 - 1. Bid Bond not less than 5 percent of the Bid Amount on AIA A310 Bid Bond Form.
 - 2. Certified Check in the amount of 5 percent of the Bid Amount.
- B. Endorse the Bid Bond or Certified Check in the name of the Owner as obligee, signed and sealed by the principal (Contractor) and surety.
- C. The security deposit will be returned after delivery to the Owner of the required Performance and Payment Bond(s) by the accepted bidder.
- D. After a bid has been accepted, all securities will be returned to the unsuccessful bidders .
- E. If no contract is awarded, all security deposits will be returned.

7.2 PERFORMANCE ASSURANCE

- A. Accepted Bidder: Provide a Performance and Payment Bond as described in Section 004000 - Procurement Forms & Supplements.
- B. Include the cost of Performance and Payment Bonds in the Bid Amount and identify the cost when requested.

7.3 INSURANCE

- A. Provide an executed "Undertaking of Insurance" on a standard form provided by the insurance company stating their intention to provide insurance to the bidder in accordance with the insurance requirements of Contract Documents.

7.4 BID FORM REQUIREMENTS

- A. Complete all requested information in the Bid Form and Appendices.

7.5 FEES FOR CHANGES IN THE WORK

- A. Include the fees for overhead and profit on own Work and Work by subcontractors, identified in Document 007300 - Supplementary Conditions .

7.6 BID FORM SIGNATURE

- A. The Bid Form shall be signed by the bidder, as follows:
 - 1. Sole Proprietorship: Signature of sole proprietor in the presence of a witness who will also sign. Insert the words "Sole Proprietor" under the signature. Affix seal.
 - 2. Partnership: Signature of all partners in the presence of a witness who will also sign. Insert the word "Partner" under each signature. Affix seal to each signature.
 - 3. Corporation: Signature of a duly authorized signing officer(s) in their normal signatures. Insert the officer's capacity in which the signing officer acts, under each signature. Affix the corporate seal. If the bid is signed by officials other than the president and secretary of the company, or the president/secretary/treasurer of the company, a copy of the by-law resolution of their board of directors authorizing them to do so, must also be submitted with the Bid Form in the bid envelope.
 - 4. Joint Venture: Each party of the joint venture shall execute the Bid Form under their respective seals in a manner appropriate to such party as described above, similar to the requirements of a Partnership.

7.7 ADDITIONAL BID INFORMATION

- A. The lowest bidder will be requested to complete the Supplements To Bid Forms within 24 hours after submission of bids.
- B. Submit the following Supplements concurrent with bid submission:
 - 1. Document 004323 - Alternates Form: Include the cost variation to the Bid Amount applicable to the Work described in Section 012300 - Alternates.

7.8 SELECTION AND AWARD OF ALTERNATES

- A. Indicate variation of bid price for Alternates listed on the Bid Form. Unless otherwise indicated, indicate Alternates as a difference in bid price by adding to or deducting from the base bid price.
- B. Bids will be evaluated on the base bid price. After determination of a successful bidder, consideration will be given to Alternates and bid price adjustments.

BID ACCEPTANCE/REJECTION

8.1 DURATION OF BIDS

- A. Bids shall remain open to acceptance and shall be irrevocable for a period of sixty (60) days after the receipt of bids.

8.2 ACCEPTANCE OF BIDS

- A. Owner reserves the right to accept or reject any or all bids.

- B. After acceptance by Owner, Architect on behalf of Owner, will issue to the successful bidder, a written Bid Acceptance.

END OF SECTION

SECTION 003100
AVAILABLE PROJECT INFORMATION

PART 1 GENERAL

1.1 EXISTING CONDITIONS

- A. Certain information relating to existing surface and subsurface conditions and structures is available to bidders but will not be part of Contract Documents, as follows:
- B. Site and Utility Survey: Entitled Topographical Survey of Orangetown Town Hall, dated December 8, 2019.
 - 1. This survey identifies grade elevations prepared primarily for the use of Architect in establishing new grades and identifying natural water shed.
- C. Geotechnical Report: Entitled Geotechnical Investigation Proposed Addition to Orangetown Town Hall, dated March 8, 2021.
 - 1. This report identifies properties of below grade conditions and offers recommendations for the design of foundations, prepared primarily for the use of Architect.
 - 2. This report, by its nature, cannot reveal all conditions that exist on the site. Should subsurface conditions be found to vary substantially from this report, changes in the design and construction of foundations will be made, with resulting credits or expenditures to the Contract Price accruing to Owner.
- D. Hazardous Material Survey: Entitled Limited HAZMAT Survey Report; Orangetown Town Hall, dated September 16, 2020.
- E. Existing Conditions Photos: Entitled Orangetown Town Hall Addition and Alterations Photobook, dated July 9, 2021.
 - 1. This survey includes a photographic record of existing conditions visible.
 - 2. Existing Conditions photos are included separately on BidNet at BidNet Direct.

1.2 SUSTAINABILITY CERTIFICATION INFORMATION

- A. Owner has begun the process of certifying the project with United States Green Building Council.
 - 1. See Section 013566.05 for Project Sustainability Goals Credit Summary.

1.3 PERMITS

- A. Owner has obtained the following permits and/or approvals, that are required to be secured prior to commencement of construction work on this project:
 - 1. Zoning Board of Appeals approvals.
 - 2. Planning commission approvals.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.1 OBTAINMENT OF PERMITS

- A. Contractor shall obtain, and pay for, all required permits for the work, including application and re-application fees.
- B. Building Permit Procedures: When required to obtain a permit:
 - 1. Complete and file permit application(s) with appropriate agency.
 - 2. Pay required fees.
 - 3. Advise Architect if submission of modified documents is necessary to have the authorities having jurisdiction complete the plan review and approval process. Submit modified documents expeditiously.
 - 4. Do not commence execution of any item of work for which a permit has not been obtained.

END OF SECTION

SECTION 004000
PROCUREMENT FORMS AND SUPPLEMENTS

PART 1 GENERAL

- 1.1 Contractor is responsible for obtaining a valid license to use all copyrighted documents specified but not included in the Project Manual.
- 1.2 FORMS
- A. Use the following forms for the specified purposes unless otherwise indicated elsewhere in the procurement requirements.
 - B. Substitution Request Form (During Procurement): CSI/CSC Form 1.5C - Substitution Request (During the Bidding/Negotiating Stage).
 - C. Bid Form: Section 004100 - Bid Form.
 - D. Procurement Form Supplements:
 - 1. Bid Security Form: AIA A310.
 - 2. Alternates Form: Section 004323 - Alternates Form.
 - 3. Performance and Payment Bond Form: AIA A312.(2010)
 - 4. Proposed Schedule of Values Form: AIA G703.
 - E. Representations and Certifications:
 - 1. Bidder's Qualifications: AIA A305.
- 1.3 REFERENCE STANDARDS
- A. AIA A305 - Contractor's Qualification Statement 1986.
 - B. AIA A310 - Bid Bond 2010.
 - C. AIA G703 - Continuation Sheet 1992.
 - D. CSI/CSC Form 1.5C - Substitution Request (During the Bidding/Negotiating Stage) Current Edition.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 004100.01
BID FORM

CONTRACT #1G - GENERAL CONSTRUCTION

THE PROJECT AND THE PARTIES

TO:

Town of Orangetown (Owner)
26 West Orangeburg Road
Orangeburg, New York 10962

FOR: GENERAL CONSTRUCTION CONTRACT No. 1G

Project: Orangetown Town Hall Addition and Alterations

Architect's Project Number: 2219-05
26 West Orangeburg Road
Orangeburg, New York 10962

DATE: _____ (Bidder to enter date)

SUBMITTED BY: (Bidder to enter name and address)

Bidder's Full Name _____
Address _____
City, State, Zip Code _____

BID

Having examined The Work and all matters referred to in the Instructions to Bidders and the Bid Documents prepared by Lothrop Associates, LLP Architects for the above mentioned project, the undersigned, hereby propose to enter into a Contract to perform the Work for the Sum of:

_____ dollars
(\$ _____), in lawful money of the United States of America.

The security deposit required by the Instruction to Bidders is included.

The Performance and Payment Assurance Bonds required by the Instructions to Bidders is included.

The cost of the required Performance and Payment Assurance Bonds is _____ dollars (\$ _____), in lawful money of the United States of America.

All Cash and Quantity Allowances described in Section 012100 - Allowances are included in the Bid Sum.

ACCEPTANCE

This Bid shall be open to acceptance and is irrevocable for sixty days from the bid closing date.

If this bid is accepted by Owner within the time period stated above, the undersigned shall:

1. Execute the Agreement within seven days of receipt of Notice of Award.
2. Furnish the required Bonds within seven days of receipt of Notice of Award.
3. Commence construction work within seven days after issuance of permits for Work of this Contract.

If this bid is accepted within the time stated, and the undersigned fail to commence the Work or fail to provide the required Bond(s), the security deposit shall be forfeited as damages to Owner by reason of our failure, limited in amount to the lesser of the face value of the security deposit or the difference between this bid and the bid upon which a Contract is signed.

In the event our bid is not accepted within the time stated above, the required security deposit shall be returned to the undersigned, in accordance with the provisions of the Instructions to Bidders; unless a mutually satisfactory arrangement is made for its retention and validity for an extended period of time.

CONTRACT TIME

If this Bid is accepted, the undersigned shall:

Complete the Work in 540 calendar days from Notice to Proceed.

UNIT PRICES

The following are Unit Prices for specific portions of the Work as listed:

Unit Price G-1: Concrete Foundation Wall, 12 inches thick yard	- In-place per cubic \$.....
---	---------------------------------

Unit Price G-2: 4 inch thick Concrete Floor Slab	In-place per cubic yard \$.....
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Unit Price G-3: 4 inch thick Concrete Sidewalk foot	In-place per square \$.....
--	--------------------------------

Unit Price G-4: Concrete Paver and Setting Bed foot	In place per square \$.....
--	--------------------------------

Unit Price G-5: Mechanical Rock Removal removed	In-place cubic yard \$
--	---------------------------------

Unit Price G-6: Additional Remedial Excavation	In-place cubic yard
--	---------------------

volume \$.....

Unit Price G-7: Additional Roadway Replacement

In-place per square
foot \$

B. Unit Price G-1: General Requirements:

1. Provide all labor, materials, equipment, and services necessary to satisfactorily complete the work in this item: as specified in the Contract Documents, as detailed in Section 033000, as required to deliver a completed project, and in a manner acceptable to the Owner's Representative.
2. This item will be measured for payment by the in-place cubic yard installed.

C. Unit Price G-2: General Requirements:

1. Provide all labor, materials, equipment, and services necessary to satisfactorily complete the work in this item: as specified in the Contract Documents, as detailed in Section 033000, as required to deliver a completed project, and in a manner acceptable to the Owner's Representative.
2. This item will be measured for payment by the in-place cubic yard installed.

D. Unit Price G-3: General Requirements:

1. Provide all labor, materials, equipment, and services necessary to satisfactorily complete the work in this item: as specified in the Contract Documents, as detailed on Drawing 9/C-201, as required to deliver a completed project, and in a manner acceptable to the Owner's Representative.
2. This item will be measured for payment by the in-place square foot installed.

E. Unit Price G-4: General Requirements:

1. Provide all labor, materials, equipment, and services necessary to satisfactorily complete the work in this item: as specified in the Contract Documents, as detailed on Drawing 13/C-201, as required to deliver a completed project, and in a manner acceptable to the Owner's Representative.
2. This item will be measured for payment by the in-place square foot installed.

F. Unit Price G-5: General Requirements:

1. Provide all labor, materials, equipment, and services necessary to satisfactorily complete the work in this item: as specified in the Contract Documents, as detailed in Section 312000, as required to deliver a completed project, and in a manner acceptable to the Owner's Representative.
2. Rock fragments from this activity shall be removed from the site and disposed by the General Contractor.
3. This item will be measured for payment prior to removal by the in-place cubic yard removed.

G. Unit Price G-6: General Requirements:

1. Provide all labor, materials, equipment, and services to satisfactorily complete the work in this item: as shown on the drawings and specified in Division 31, as required to deliver a completed project, and in a manner acceptable to the Owner's Representative.
2. Note E.3 on drawing C-100 and Section 312000 may disclose additional areas of weak subgrade beyond what is already included in the Contract.
3. Included in Additional Remedial Excavation shall be the excavation and disposal of rejected subgrade soils, furnishing and placement of compacted subbase to the required line and grade, and re-proofing the completed work.
4. Additional Remedial Excavation shall be measured by the in-place cubic yard volume.

H. Unit Price G-7: General Requirements:

1. Provide all labor, materials, equipment, and services necessary to satisfactorily complete the work of this item: as shown on the drawings and specified in Division 31, as required to deliver a completed project, and in a manner acceptable to the Owner's Representative.
2. Additional hot mix asphalt pavement will be directed at locations identified by the Owner's Representative beyond what is already included in the Contract.
3. Included in Additional Roadway Replacement shall be the sawcutting, excavation and disposal of existing pavement and subbase; furnishing and placement of compacted subbase to the required line and grade; and furnishing and placement of compacted hot mix asphalt binder and surface course to the required line and grade.
4. Thicknesses shall be in accordance with the heavy section as shown on the Drawings (see 5/C-201).
5. Additional Roadway Replacement shall be measured for payment on a square foot basis.

ADDENDA

The following Addenda have been received. The modifications to the Bid Documents noted below have been considered and all costs are included in the Bid Sum.

6. Addendum # _____ Dated _____.
7. Addendum # _____ Dated _____.
8. Addendum # _____ Dated _____.
9. Addendum # _____ Dated _____.

BID FORM SUPPLEMENTS

- I. The following information shall be included with Bid submission:
 1. Unit Prices: Unit Prices G-1 through G-7.
 2. Alternates: GC-01, GC-02, GC-03, GC-04, GC-05, and GC-06.
 3. State the lead times for materials and equipment for all major portions of the work including, but not limited to, the following:
 - a. Structural steel
 - b. Reinforcing steel
 - c. Storefront, windows, and glazing
 - d. Exterior Insulation Finish System (EIFS)
 - e. Doors, frames, and hardware
 - f. Roofing
 - g. Waterproofing
 - h. Insulation
 - i. Wood, wood blocking, and wood panels
 - j. Floor, wall, and ceiling finishes
 - k. Metal stud framing
 - l. Gypsum wall board, sheathing, and accessories
 - m. Elevator
 - n. Metal stairs
 - o. Heated enclosure (Hotbox)
- J. The following Supplements are attached to this Bid Form and are considered an integral part of this Bid Form:
 1. Document 004323 - Alternates Form: Include the cost variations to the Bid Sum applicable to the Work as described in Section 012300 - Alternates.
 2. Qualification Form AIA A305 - Contractor's Qualification Form.
 3. Substitution Request Form - CSI/CSC Form 1.5C - During Procurement

BID FORM SIGNATURE(S)

The Corporate Seal of

(Bidder - print the full name of firm)

was hereunto affixed in the presence of:

(Authorized signing officer, Title)

(Seal)

(Authorized signing officer, Title)

If the Bid is a joint venture or partnership, add additional forms of execution for each member of the joint venture in the appropriate form or forms as above.

END OF SECTION

SECTION 004100.02
BID FORM

CONTRACT #2P - PLUMBING AND FIRE PROTECTION

THE PROJECT AND THE PARTIES

TO:

Town of Orangetown (Owner)
26 West Orangeburg Road
Orangeburg, New York 10962

FOR: PLUMBING CONTRACT No. 2P (including Fire Protection)

Project: Orangetown Town Hall Addition and Alterations

Architect's Project Number: 2219-05
26 West Orangeburg Road
Orangeburg, New York 10962

DATE: _____ (Bidder to enter date)

SUBMITTED BY: (Bidder to enter name and address)

Bidder's Full Name _____
Address _____
City, State, Zip Code _____

BID

Having examined The Work and all matters referred to in the Instructions to Bidders and the Bid Documents prepared by Lothrop Associates LLP Architects for the above mentioned project, the undersigned, hereby propose to enter into a Contract to perform the Work for the Sum of:

_____ dollars
(\$ _____), in lawful money of the United States of America.

The security deposit required by the Instruction to Bidders is included.

The Performance and Payment Assurance Bonds in the Bid Amount as required by the Instructions to Bidders is include.

The cost of the required Performance and Payment Assurance bonds is _____
_____ dollars (\$ _____), in lawful money of the United States of
America.

All Cash and Quantity Allowances described in Section 012100 - Allowances are included in the Bid Sum.

ACCEPTANCE

This Bid shall be open to acceptance and is irrevocable for sixty days from the bid closing date.

If this bid is accepted by Owner within the time period stated above, the undersigned shall:

1. Execute the Agreement within seven days of receipt of Notice of Award.
2. Furnish the required Bonds within seven days of receipt of Notice of Award.
3. Commence construction work within seven days after issuance of permits for Work of this Contract.

If this bid is accepted within the time stated, and the undersigned fail to commence the Work or fails to provide the required Bond(s) , the security deposit shall be forfeited as damages to Owner by reason of our failure, limited in amount to the lesser of the face value of the security deposit or the difference between this bid and the bid upon which a Contract is signed.

In the event our bid is not accepted within the time stated above, the required security deposit shall be returned to the undersigned, in accordance with the provisions of the Instructions to Bidders; unless a mutually satisfactory arrangement is made for its retention and validity for an extended period of time.

CONTRACT TIME

If this Bid is accepted, the undersigned shall:

Complete the Work in 540 calendar days from Notice to Proceed.

UNIT PRICES

The following are Unit Prices for specific portions of the Work as listed. The following is the list of Unit Prices:

ITEM DESCRIPTION - UNIT QUANTITY - UNIT PRICE - ITEM VALUE

Unit Price P-1: Sprinkler Head - Each, including 5 feet of associated piping \$

B. Unit Price P-1 General Requirements:

1. Provide all labor, materials, equipment, and services necessary to satisfactorily complete the work in this item: as specified in the Contract Documents, as detailed in Section 211313, as required to deliver a completed project, and in a manner acceptable to the Owner's Representative.
2. This item will be measured for payment by the in-place sprinkler head, including up to 5 feet of associated piping.

ADDENDA

The following Addenda have been received. The modifications to the Bid Documents noted below have been considered and all costs are included in the Bid Sum.

3. Addendum # _____ Dated _____.
4. Addendum # _____ Dated _____.
5. Addendum # _____ Dated _____.
6. Addendum # _____ Dated _____.

BID FORM SUPPLEMENTS

- C. The following information is included with Bid submission:
1. Unit Prices: P-1.
 2. Alternates: P-01 and P-02.
 3. State the lead times for materials and equipment for all major portions of the work including, but not limited to, the following:
 - a. Plumbing fixtures and piping
 - b. Sprinkler piping and equipment
 - c. Insulation
- D. The following Supplements are attached to this Bid Form and are considered an integral part of this Bid Form:
1. Document 004323 - Alternates Form: Include the cost variations to the Bid Sum applicable to the Work as described in Section 012300 - Alternates.
 2. Qualification Form AIA A305 - Contractor's Qualification Form.
 3. Substitution Request Form - CSI/CSC Form 1.5C - During Procurement

BID FORM SIGNATURE(S)

The Corporate Seal of

(Bidder - print the full name of firm)

was hereunto affixed in the presence of:

(Authorized signing officer, Title)

(Seal)

(Authorized signing officer, Title)

If the Bid is a joint venture or partnership, add additional forms of execution for each member of the joint venture in the appropriate form or forms as above.

END OF SECTION

SECTION 004100.03
BID FORM

CONTRACT #3H - HVAC

THE PROJECT AND THE PARTIES

TO:

Town of Orangetown (Owner)
26 West Orangeburg Road
Orangeburg, New York 10962

FOR: HVAC CONTRACT No. 3H

Project: Orangetown Town Hall Addition and Alterations

Architect's Project Number: 2219-05
26 West Orangeburg Road
Orangeburg, New York 10962

DATE: _____ (Bidder to enter date)

SUBMITTED BY: (Bidder to enter name and address)

Bidder's Full Name _____
Address _____
City, State, Zip Code _____

BID

Having examined The Work and all matters referred to in the Instructions to Bidders and the Bid Documents prepared by Lothrop Associates, LLP Architects for the above mentioned project, the undersigned, hereby propose to enter into a Contract to perform the Work for the Sum of:

_____ dollars
(\$ _____), in lawful money of the United States of America.

The security deposit required by the Instruction to Bidders is included.

The Performance and Payment Assurance Bonds in the Bid Amount as required by the Instructions to Bidders is included.

The cost of the required Performance and Payment Assurance Bonds is _____
_____ dollars (\$ _____), in lawful money of the United States of America.

All Cash and Quantity Allowances described in Section 012100 - Allowances are included in the Bid Sum.

ACCEPTANCE

This Bid shall be open to acceptance and is irrevocable for sixty days from the bid closing date.

If this bid is accepted by Owner within the time period stated above, the undersigned shall:

1. Execute the Agreement within seven days of receipt of Notice of Award.
2. Furnish the required Bonds within seven days of receipt of Notice of Award.
3. Commence construction work within seven days after the issuance of permits for the Work of this Contract.

If this bid is accepted within the time stated, and the undersigned fails to commence the Work or fails to provide the required Bond(s), the security deposit shall be forfeited as damages to Owner by reason of our failure, limited in amount to the lesser of the face value of the security deposit or the difference between this bid and the bid upon which a Contract is signed.

In the event our bid is not accepted within the time stated above, the required security deposit shall be returned to the undersigned, in accordance with the provisions of the Instructions to Bidders; unless a mutually satisfactory arrangement is made for its retention and validity for an extended period of time.

CONTRACT TIME

If this Bid is accepted, the undersigned shall:

Complete the Work in 540 calendar days from Notice to Proceed.

ADDENDA

The following Addenda have been received. The modifications to the Bid Documents noted below have been considered and all costs are included in the Bid Sum.

4. Addendum # _____ Dated _____.
5. Addendum # _____ Dated _____.
6. Addendum # _____ Dated _____.
7. Addendum # _____ Dated _____.

BID FORM SUPPLEMENTS

- B. The following information is included with Bid submission:
1. Alternates: HV-01.
 2. State the lead times for materials and equipment for all major portions of the work including, but not limited to, the following:
 - a. Mechanical equipment
 - b. Insulation
- C. The following Supplements are attached to this Bid Form and are considered an integral part of this Bid Form:
1. Document 004323 - Alternates Form: Include the cost variations to the Bid Sum applicable to the Work as described in Section 012300 - Alternates.
 2. Qualification Form AIA A305 - Contractor's Qualification Form.
 3. Substitution Request Form - CSI/CSC Form 1.5C - During Procurement

BID FORM SIGNATURE(S)

The Corporate Seal of

(Bidder - print the full name of firm)

was hereunto affixed in the presence of:

(Authorized signing officer, Title)

(Seal)

(Authorized signing officer, Title)

If the Bid is a joint venture or partnership, add additional forms of execution for each member of the joint venture in the appropriate form or forms as above.

END OF SECTION

SECTION 004100.04
BID FORM

CONTRACT #4E - ELECTRICAL

THE PROJECT AND THE PARTIES

TO:

Town of Orangetown (Owner)
26 West Orangeburg Road
Orangeburg, New York 10962

FOR: ELECTRICAL CONTRACT No. 4E

Project: Orangetown Town Hall Addition and Alterations

Architect's Project Number: 2219-05
26 West Orangeburg Road
Orangeburg, New York 10962

DATE: _____ (Bidder to enter date)

SUBMITTED BY: (Bidder to enter name and address)

Bidder's Full Name _____
Address _____
City, State, Zip _____

BIDER

Having examined The Work and all matters referred to in the Instructions to Bidders and the Bid Documents prepared by Lothrop Associates, LLP Architects for the above mentioned project, we, the undersigned, hereby propose to enter into a Contract to perform the Work for the Sum of:

_____ dollars
(\$ _____), in lawful money of the United States of America.

The security deposit required by the Instruction to Bidders is included.

The Performance and Payment Assurance Bonds in the Bid Amount as required by the Instructions to Bidders is included.

The cost of the required Performance and Payment Assurance bonds is _____
_____ dollars (\$ _____), in lawful money of the United States of
America.

All Cash and Quantity Allowances described in Section 012100 - Allowances are included in the Bid Sum.

ACCEPTANCE

This Bid shall be open to acceptance and irrevocable for sixty days from the bid closing date.

If this bid is accepted by Owner within the time period stated above, the undersigned shall:

1. Execute the Agreement within seven days of receipt of Notice of Award.
2. Furnish the required Bonds within seven days of receipt of Notice of Award.
3. Commence construction work within seven days after issuance of permits for the Work of this Contract.

If this bid is accepted within the time stated, and the undersigned fails to commence the Work or fails to provide the required Bond(s), the security deposit shall be forfeited as damages to Owner by reason of our failure, limited in amount to the lesser of the face value of the security deposit or the difference between this bid and the bid upon which a Contract is signed.

In the event our bid is not accepted within the time stated above, the required security deposit shall be returned to the undersigned, in accordance with the provisions of the Instructions to Bidders; unless a mutually satisfactory arrangement is made for its retention and validity for an extended period of time.

CONTRACT TIME

If this Bid is accepted, we will:

Complete the Work in 540 calendar days from Notice to Proceed. (Bidder to enter number of weeks.)

UNIT PRICES

The following are Unit Prices for specific portions of the Work as listed. The following is the list of Unit Prices:

ITEM DESCRIPTION - UNIT QUANTITY - UNIT PRICE - ITEM VALUE

Unit Price E-1: Electrical Outlet, Switch or Receptacle - each, including associated wiring \$

.....

Unit Price E-2: Data Outlet - each, including associated conduit and wiring \$

.....

Unit Price E-3: Access Control Reader Infrastructure - each
\$.....

B. Unit Price E-1 General Requirements:

1. Provide all labor, materials, equipment, and services necessary to satisfactorily complete the work in this item: as specified in the Contract Documents, as detailed in Section 262726, as required to deliver a completed project, and in a manner acceptable to the Owner's Representative.
2. Included in the Electrical Outlet installation shall be the outlet mounting box, wiring devices, fifty (50) feet of wiring to the appropriate distribution panel or junction box, and cover plate.
3. Electrical Outlet installation shall be measured for payment by the in-place, installed electrical outlet.

C. Unit Price E-2 General Requirements:

1. Provide all labor, materials, equipment, and services necessary to satisfactorily complete the work in this item: as specified in the Contract Documents, as detailed on Drawing E-307, as required to deliver a completed project, and in a manner acceptable to the Owner's Representative.
2. Included in the Data Outlet installation shall be the outlet mounting box, conduit, wiring devices, two hundred (200) feet of home run wiring to the appropriate patch panel, termination at each end, testing, and cover plate.
3. Data Outlet installation shall be measured for payment by the in-place, installed data outlet.

D. Unit Price E-3 General Requirements:

1. Provide all labor, materials, equipment, and services necessary to satisfactorily complete the work in this item: as specified in the Contract Documents, as detailed in Section 087100 and drawing E-305, as required to deliver a completed project, and in a manner acceptable to the Owner's Representative.
2. Included in the Access Control Reader Infrastructure installation shall be the reader mounting, wiring harness for connection to the appropriate access control door hardware, conduit (if required), power supply, and wiring to the appropriate distribution panel or junction box in accordance with drawing E-305.
3. Access Control Reader Infrastructure installation shall be measured for payment by the in-place, installed access control reader infrastructure required for each unit.

ADDENDA

The following Addenda have been received. The modifications to the Bid Documents noted below have been considered and all costs are included in the Bid Sum.

4. Addendum # _____ Dated _____.
5. Addendum # _____ Dated _____.
6. Addendum # _____ Dated _____.
7. Addendum # _____ Dated _____.

BID FORM SUPPLEMENTS

E. The following information is included with Bid submission:

1. Unit Prices: E-1, E-2, and E-3
2. Alternates: E-01.
3. State the ILead times for materials and equipment for all major portions of the work including, but not limited to, the following:
 - a. Electrical light fixtures, wiring, and devices
 - b. Electrical equipment - panels, switchboard, etc.
 - c. Generator

F. The following Supplements are attached to this Bid Form and are considered an integral part of this Bid Form:

1. Document 004323 - Alternates Form: Include the cost variations to the Bid Sum applicable to the Work as described in Section 012300 - Alternates.
2. Qualification Form AIA A305 - Contractor's Qualification Form.
3. Substitution Request Form - CSI/CSC Form 1.5C - During Procurement

BID FORM SIGNATURE(S)

The Corporate Seal of

(Bidder - print the full name of firm)

was hereunto affixed in the presence of:

(Authorized signing officer, Title)

(Seal)

(Authorized signing officer, Title)

- 3.2 If the Bid is a joint venture or partnership, add additional forms of execution for each member of the joint venture in the appropriate form or forms as above.

END OF SECTION

SECTION 004323
ALTERNATES FORM

PARTICULARS

- 1.1 THE FOLLOWING IS THE LIST OF ALTERNATES REFERENCED IN THE BID
SUBMITTED BY:
- 1.2 (Bidder) _____
- 1.3 TO (Owner): Town of Orangetown
- 1.4 Dated _____ and which is an integral part of the Bid Form.

ALTERNATES LIST

- 2.1 THE FOLLOWING AMOUNTS SHALL BE ADDED TO OR DEDUCTED FROM THE
BID AMOUNT. REFER TO SECTION 012300 - Alternates for descriptions.

ALTERNATE NO. GC-01: ADD / (DEDUCT) \$ _____

ALTERNATE NO. GC-02: ADD / (DEDUCT) \$ _____

ALTERNATE NO. GC-03: ADD / (DEDUCT) \$ _____

ALTERNATE NO. GC-04: ADD / (DEDUCT) \$ _____

ALTERNATE NO. GC-05: ADD / (DEDUCT) \$ _____

ALTERNATE NO. GC-06: ADD/ (DEDUCT) \$ _____

ALTERNATE NO. P-01: ADD / (DEDUCT) \$ _____

ALTERNATE NO. P-02: ADD / (DEDUCT) \$ _____

ALTERNATE NO. HV-01: ADD / (DEDUCT) \$ _____

ALTERNATE NO. E-01: ADD / (DEDUCT) \$ _____

END OF SECTION

SECTION 005000
CONTRACTING FORMS AND SUPPLEMENTS

PART 1 GENERAL

- 1.1 Contractor is responsible for obtaining a valid license to use all copyrighted documents specified but not included in the Project Manual.
- 1.2 AGREEMENT AND CONDITIONS OF THE CONTRACT
 - A. See Section 005200.
 - B. See Section 007200.
- 1.3 SUPPLEMENTAL FORMS
 - A. Use the following forms for the specified purposes unless otherwise indicated elsewhere in Contract Documents.
 - B. Bond Forms:
 - 1. Bid Bond Form: AIA A310.
 - 2. Performance and Payment Bond Form: AIA A312.
 - C. Post-Award Certificates and Other Forms:
 - 1. Submittal Transmittal Letter Form: AIA G810.
 - 2. Certificate of Insurance Form: ACORD Certificate of Insurance 25.
 - a. Supplemental Attachment: AIA G715
 - 3. Sustainable Design Reporting - LEED v4: See Section 013329.02.
 - 4. Schedule of Values Form: AIA G703.
 - D. Clarification and Modification Forms:
 - E. Closeout Forms:
 - 1. Contractor's Affidavit of Release of Liens Form: AIA G706A
 - 2. Consent of Surety to Final Payment Form: AIA G707.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 005200
AGREEMENT FORM

PART 1 GENERAL

1.1 FORM OF AGREEMENT

1.2 A Sample Agreement to be executed follows this page.

- A. Standard Form of Agreement Between Owner and Contractor where the basis of payment is a Stipulated Sum - AIA Document A101-2017.

1.3 RELATED REQUIREMENTS

- A. Section 007200 - General Conditions.
- B. Section 007300 - Supplementary Conditions.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF SECTION

SECTION 007200
GENERAL CONDITIONS

FORM OF GENERAL CONDITIONS

- 1.1 A sample General Conditions applicable to all Contracts follows this page.
 - A. General Conditions of the Contract for Construction - AIA Document A201-2017.

RELATED REQUIREMENTS

- 2.1 SECTION 005200 - Agreement Form
- 2.2 SECTION 007300 - Supplementary Conditions.

END OF SECTION

SECTION 007300 - SUPPLEMENTARY CONDITIONS

The following supplements modify AIA Document A201-2017, General Conditions of the Contract for Construction. Where any portion of the General Conditions is modified or deleted by these Supplementary Conditions, the unaltered portions of the General Conditions shall remain in effect.

ARTICLE 1 - GENERAL PROVISIONS

1.2 CORRELATION AND INTENT OF THE CONTRACT DOCUMENTS

Add the following to Section 1.2.2:

The items listed under the SUMMARY ARTICLE in each section of the specifications are intended as a guide without limiting the scope of the work.

Add the following new Sections 1.2.4, 1.2.5, and 1.2.6:

1.2.4 Sections of Division 1 – General Requirements govern the execution of the work of all sections of the specifications.

1.2.5 If in the interpretation of Contract Documents it appears that the Drawings and Specifications are not in agreement, in whole or in part, the document requiring the greater specificity, quantity or superior quality shall prevail, as decided by the Architect.

1.2.6 Addenda shall supersede the document(s) they amend.

ARTICLE 2 - OWNER

2.3 INFORMATION AND SERVICES REQUIRED OF THE OWNER

Delete Section 2.3.6 in its entirety with the following:

2.3.6 The Contractor will be furnished, free of charge, an electronic file in PDF format of the Drawings and Project Manual.

ARTICLE 3 – CONTRACTOR

3.5 WARRANTY

Add the following Sections 3.5.3 and 3.5.4:

3.5.3 The warranty provided in paragraph 3.5 shall be in addition to and not a limitation of any other warranty or remedy required by law or by the Contract Documents.

3.5.4 The Contractor shall deliver to the Owner upon completion of all Work under this Contract, its written guarantee made out to the Owner in form satisfactory to the Owner, guaranteeing (and it does hereby so guarantee), that all the Work performed under the Contract is free from defects in labor, workmanship, and materials. This guarantee shall be made to cover (and does cover) a period of one year from the date of completion of all Work under the Contract, or for a longer period where so stipulated in the Contract Documents. The warranty set forth herein shall survive expiration and/or termination of this Contract.

3.6 TAXES

Delete Section 3.6 and substitute the following:

The Owner is exempt from payment of federal, state, and local sales and use taxes, on all material and supplies incorporated into the project. Note, this exemption does not, however, apply to tools, machinery, equipment, or other personal property leased, rented or purchased by any Contractor, or Subcontractor, in connection with the work to be performed and the Contractor and each of his Sub-contractors shall be responsible for and pay any and all applicable taxes, including sales, VAT and compensating use taxes, on any tools, machinery, equipment or other personal property leased, rented or purchased in furtherance of the work to be performed herein .

3.8 ALLOWANCES

Delete Section 3.8.2 and substitute the following:

See Section 010200 for Allowance information

3.9 SUPERINTENDENT

Delete Section 3.9.1 and substitute the following:

The Contractor shall employ a competent Superintendent, and as many assistants as necessary, all capable of speaking and writing the English language and who shall be in regular and constant attendance at the project site throughout the duration of the Work. The Superintendent shall represent the Contractor, and communications given to the Superintendent shall be deemed binding and have the same force and effect as if given directly to the Contractor.

ARTICLE 7 - CHANGES IN THE WORK

7.3 CONSTRUCTION CHANGE DIRECTIVES

Add the following new Sections 7.3.11 and 7.3.12:

7.3.11 The allowance for the combined overhead and profit included in the total cost to the Owner shall be based on the following schedule:

7.3.11.1 For the Contractor, and for Work performed by the Contractor's own forces, 15 percent of the cost.

7.3.11.2 For the Subcontractor, 10 percent of the amount due the Subcontractor.

7.3.11.3 Cost to which overhead and profit are to be applied shall be determined in accordance with Subparagraph 7.3.7.

7.3.11.4 All proposals, except those so minor as to be reasonably deemed de minimis shall be accompanied by a complete itemization of costs, including labor, all materials, and Sub contractors. Each proposal shall be submitted in typewritten form, on letterhead of each respective Subcontractor.

7.3.12 Delays and any approved extensions of time amending either (i) the Contract Time or (ii) the Progress Schedule shall not be considered a Change in the Work and accordingly shall not entitle the Contractor to any additional compensation.

ARTICLE 9 - PAYMENTS AND COMPLETION

9.3 APPLICATIONS FOR PAYMENT

Delete Section 9.3.1 and insert the following:

9.3.1 The Owner will make partial payments to the Contractor monthly based on a duly certified estimate of the work performed during the preceding calendar month as prepared by the Contractor and determined by the Architect to be properly due. At least ten business days before the date established for each progress payment, the Contractor shall submit to the Architect an itemized Application for Payment, notarized, subscribed, and acknowledged in conformity with the laws of the State of New York, supported by such data substantiating the Contractor's right to payment as the Owner or the Architect may require, such as copies of requisitions from Subcontractors and material suppliers. In making such partial payment monthly, there shall be retained Five (5) percent of the payment amount due. The form of Application for Payment shall be a notarized AIA Document G-702, application and Certification for Payment, supported by AIA G-703, Continuation Sheet, and a monthly transcript of payroll records.

ARTICLE 11 - INSURANCE AND BONDS

11.1 CONTRACTOR'S INSURANCE AND BONDS

Delete Sections 11.1.1 through 11.1.4 in their entirety and substitute the following: Add new Section 11.1.5.

11.1.1 Contractor shall obtain, at its own cost and expense insurance as specified herein from insurance companies licensed and admitted in the State of New York, carrying a Best's financial rating of 'A-' (A-minus) or better, and shall provide evidence of such insurance in a form satisfactory to the Owner. Insurance coverage is required as follows as a minimum:

A. Workers' Compensation and Employer's Liability Policy: Covering operations in New York State pursuant to General Municipal Law, Section 108. The Contract shall be void and of no effect unless the Contractor shall secure compensation for the benefit of, and keep insured during the life of such Contract, such employees in compliance with the workers' compensation law.

B. Comprehensive General Liability Policy: With limits of no less than \$10,000,000/\$20,000,000 Bodily Injury and Property Damage, and including coverage for:

1. Products/Completed Operations
2. Independent Contractors
3. Contractual Liability (including a Hold Harmless provision)
4. Broad Form Property damage liability (including completed operations)
5. Personal Injury including hazards i, ii, iii, above.
6. The Town of Orangetown, the Architect, and the Engineers shall be named as "Additionally Insured" parties on the policy and the certificate of insurance shall show this as to the liability coverage on the certificate.

C. Comprehensive Automobile Policy: With limits no less than \$1,000,000/\$10,000,000 Bodily Injury and Property Damage liability including coverage for owned, non-owned, and hired private passenger and commercial vehicle.

- D. Umbrella Excess Liability: With limits no less than \$5,000,000, no exceptions.
- E. Owner's Protective Liability Policy: With limits no less than \$5,000,000 shall be taken out and maintained during the life of this contract which will protect the owner from claims for damages for personal injury, liability, accidental or wrongful death, as well as property damage which may arise from operations under this contract whether such operations be performed by the Contractor by any Subcontractor, or by anyone acting directly or indirectly on behalf of the Contractor or any Subcontractor.
- F. Property Insurance: The Contractor shall provide insurance covering all supplies and materials while in transit and/ or brought to, stored, and installed onsite.
- G. Contractor's Equipment: The Contractor shall provide insurance for all equipment, tools, portable enclosures, and vehicles owned, leased, or used by them and shall provide evidence of insurance coverage by providing the Architect with a Certificate of Insurance evincing same. The Contractor shall hold the Owner harmless for any loss or damage including theft, to all equipment, tools, etc. and associated materials.
- H. Builder's Risk Insurance: Only the General Contractor shall provide insurance, with limits no less than \$2,000,000 to protect the Owner's property, including the building(s), materials, supplies, and equipment, from fire, lightning, hail, explosion, theft, vandalism, and acts of God.
- I. All Policies and Certificate of Insurance of the Contractor shall contain the following clause:
1. Insurers shall have no right to recovery or subrogation against the Owner, Architect, or Engineer (including its employees and other agencies), it being the intention of the parties that the insurance policies so effected shall protect both parties and be primary coverage for all losses covered by the above described insurance.
- J. All insurance policies required except Workers' Compensation shall be endorsed to provide coverage to: "Town of Orangetown, and their respective officers, employees, volunteers, and agents, and any consultant for or on the Project and their officers, agents, and employees, including Architect and its' consultants."
- K. Certificates: Each Insurance Certificate shall provide thirty (30) days written notice, by registered mail with return receipt requested, prior to cancellation or expiration will be given to the Owner and Architect. Policies that lapse and/or expire during term of work shall be re- certified and received by the Owner no less than thirty (30) days prior to expiration or cancellation.

11.1.2 The Contractor shall furnish to the Owner Certificates of Insurance evidencing coverage in compliance with this section within ten (10) days of signing the Agreement.

11.1.3 The cost of furnishing the above insurance shall be borne by the Contractor; there will be no direct payment for this work. All costs will be deemed to have been included in the price bid for all scheduled items. The Contractor shall require all Subcontractors to provide this same insurance coverage as outlined herein.

11.1.4 All policies except the Workers' Compensation Policy, shall contain Contractor Indemnification pursuant to Section 13.8

Add new Section 11.1.5.

11.1.5 In accordance with the Bidding and Contract Documents, the Contractor shall, at his sole cost and expense, furnish a Performance and Payment Bond, acceptable to the Owner, covering faithful performance of this Contract and payment of all obligations that may arise thereunder, in such form as the Owner may prescribe and with such sureties as it may approve. The Performance and Payment Bond shall be in the amount of 100 percent of the Contract Amount.

Maintenance Bond, which shall remain in effect during the term of any warranty or guarantee to be furnished hereunder, and in no event for a period of less than one year following the issuance of a final certificate. The Maintenance Bond shall be in the amount of 10 percent of the Final Contract Price and shall cover all work..

The Contractor shall keep the bonding company informed of any changes of his contract with the Owner. The Contractor shall require the attorney-in-fact who executes the required bonds on behalf of the surety to affix thereto a certified and current copy of the power of attorney.

ARTICLE 13 - MISCELLANEOUS PROVISIONS

13.2 SUCCESSORS AND ASSIGNS

Add the following new Section 13.2.1.1:

13.2.1.1 No successful bidder to whom a contract or purchase order is let, granted, or awarded shall assign, transfer, or convey, its right, title, or interest herein, including the performance of the contract or purchase order or the right to receive monies due or to become due, or of its power to execute the contract or purchase order without the prior written consent of the Owner. In the event the Contractor, without prior written notice, assigns, transfers or conveys its rights, title, or interest in the contract or purchase order, including the performance of this contract or purchase order, or the right to receive monies due or to become due, or its power to execute such contract or purchase order to any other person or corporation, or upon receipt by the Owner of an attachment against the successful bidder, the Owner shall be relieved and discharged from any and all liability and obligation growing out of such contract or purchase order to such Contractor, and the person or corporation to which such contract or purchase order shall have been assigned, its assignees, and transferees shall forfeit and lose all monies theretofore assigned under the contract or purchase order. This subsection shall not apply to agreements made by the Contractor with subcontractors who will work in conjunction with the Contractor to complete the work outlined in the Contract Documents.

13.4 TESTS AND INSPECTIONS

*Add the phrase "**or public utility companies**" after the words "public authority" in the first and second sentences of Subparagraph 13.4.1.*

*Add the phrase "**or public utility companies**" after the words "public authority" in the first sentence of Subparagraph 13.4.2.*

13.5 INTEREST

Delete Section 13.5.

Add the following new Sections 13.6, 13.7 and 13.8:

13.6 LABOR REQUIREMENTS

13.6.1 The Contractor and each Subcontractor performing the Work under this Contract shall comply with all applicable labor laws, rules, and regulations, including but not limited to all safety, health, and environmental standards.

13.6.2 State of New York, Department of Labor, Bureau of Public Work, Contract Requirements and Schedules of Prevailing Hourly Wage Rates and Supplements are contract requirements. Current schedules and requirements are included under another Section.

13.6.3 The Contractor shall submit to the Owner monthly transcripts of payroll records in a form accepted by the New York State Department of Labor.

13.7 CONSTRUCTION SAFETY AND HEALTH TRAINING

13.7.1 Pursuant to New York State Labor Law Section 220-h, all public work contracts of \$250,000.00 or more requires that every worker employed in the performance of such contract shall be certified as having completed an OSHA 10 safety training course. Accordingly, the Contractor shall ensure that all employees engaged in this project shall have received such training prior to the performing any work on the project and, where necessary, shall provide training in OSHA 10 to those persons lacking the requisite training.

13.7.2 The Contractor and Subcontractors must attach a copy of proof of completion of the OSHA10 course to the first certified payroll submitted to the Owner and on each succeeding payroll where any new or additional employee is first listed.

13.7.3 The Contractor must attach a copy of proof of completion of the OSHA30 course to the first certified payroll submitted to the Owner, for at least one employee directly involved on the project.

13.8 DEFENSE AND INDEMNIFICATION

The Contractor shall protect, defend, indemnify, and hold the Town of Orangetown (the Owner), and their respective officers, employees, volunteers, and agents free and harmless from and against any and all losses, penalties, damages, settlements, costs, charges, professional fees, or other expenses or liabilities of every kind and character arising out of or relating to any and all claims, liens, demands, obligations, actions, proceedings or causes of action of every kind and character in connection with or arising directly or indirectly out of this Agreement and/or the performance hereof; without limiting the generality of the foregoing, any and all such claims, etc., relating to personal injury, death, damage to property, defects in materials or workmanship, actual or alleged infringement of any patent, trademark, copyright (or application for any thereof), or of any other tangible or intangible personal or property right, or any actual or alleged violation of any applicable statute, law, ordinance, administrative order, rule, regulation, decree of any court, shall be included in the indemnity hereunder. The Owner further agrees to investigate, handle, respond to, provide defense for, and defend any such claims, etc., at his sole expense and agrees to bear all other costs and expenses related thereto, even if it (claims, etc.) is groundless, false, or fraudulent. In any case where such indemnification would violate any application provision of New York State law or regulation, or any other applicable legal prohibition, the foregoing provisions concerning indemnification shall not be construed to indemnify the Owner for damage arising out of bodily injury to persons or damage to property caused by or resulting from the sole negligence of the Owner, its officers, employees, volunteers, or agents. This paragraph shall survive any termination or completion of performance of the Contract.

Contractor- Company Name:

Address:

(signature)

(print name)

(title)

(dated)

NOTARY

Subscribed and sworn to before me this

_____ day of _____ 2021/2022

THIS STATEMENT SHALL BE SUBMITTED ON CONTRACTOR'S LETTERHEAD.

END OF SECTION

SECTION 011000
SUMMARY

PART 1 GENERAL

1.1 PROJECT

- A. Project Name: Orangetown Town Hall Addition and Alterations
- B. Owner's Name: Town of Orangetown.
- C. Architect's Name: Lothrop Associates LLP Architects.
- D. Project contact information is specified in Section 000103 - Project Directory.
- E. The Project consists of the construction of a new addition to, and interior alterations of, the existing Town Hall facility of the Town of Orangetown, New York.
- F. The Project will also consist of the construction of a new Exit Stair (ST-3) and exterior building facade along the entire south end of the existing Town Hall facility, after the removal of the original 1959 Town Hall building by the Owner. This work is anticipated to be completed within a 6 month period following Substantial Completion of the new addition.

1.2 CONTRACT DESCRIPTION

- A. Contract Type: Multiple prime contracts, each based on Stipulated Sum.
- B. The work of each separate prime contract is identified in this section and on Drawings.

1.3 DESCRIPTION OF ADDITION AND ALTERATIONS WORK

- A. Demolition and removal work is shown, but not limited to information on drawings and specified in Section 024100.
- B. Scope of alterations work is indicated on drawings.
- C. Plumbing: Alter existing system and add new construction, keeping existing in operation.
- D. HVAC: Alter existing system and add new construction, keeping existing in operation.
- E. Electrical Power and Lighting: Alter existing system and add new construction, keeping existing in operation.
- F. Fire Suppression Sprinklers: Alter existing system and add new construction, keeping existing in operation.
- G. Fire Alarm: Alter existing system and add new construction, keeping existing in operation.
- H. Telephone: Alter existing system and add new construction, keeping existing in operation.
- I. Security System: Alter existing system and add new construction, keeping existing in operation.

1.4 WORK BY OWNER

- A. Existing Building Demolition: Owner will separately contract for demolition of the existing 1959 original Town Hall structure and removal of its foundations. The site will be backfilled at the removed foundations and filled to existing grade elevation. The time frame for this demolition work is yet to be determined, but is anticipated to occur within a 6 month period following Substantial Completion of this Work.
- B. Items noted NIC (Not in Contract) will be supplied and installed by Owner before Substantial Completion. Items include, but are not limited to:
 - 1. Movable cabinets.
 - 2. Furnishings.
 - 3. Small equipment.

1.5 FUTURE WORK

- A. Provide for all material and labor for the future installation of work along the south end of the existing Town Hall facility, following demolition of the original 1959 Town Hall building by the Owner.

1.6 OWNER OCCUPANCY

- A. Owner intends to continue to occupy adjacent portions of the existing building during the entire construction period.
- B. Owner intends to occupy the new addition and altered existing area upon Substantial Completion.
- C. Coordinate and cooperate with Owner to minimize conflict and to facilitate Owner's operations.
- D. Schedule the Work to accommodate Owner occupancy.

1.7 CONTRACTOR USE OF SITE AND PREMISES

- A. Construction Operations: Limited to areas indicated on drawings.
- B. Arrange use of site and premises to allow:
 - 1. Owner occupancy.
 - 2. Work by Others.
 - 3. Use of site and premises by the public.
- C. Provide access to and from site as required by law and by Owner:
 - 1. Emergency Building Exits During Construction: Keep all exits required by code open during construction period; provide temporary exit signs if exit routes are temporarily altered.
 - 2. Do not obstruct roadways, sidewalks, or other public ways without permit.
- D. Existing building spaces may not be used for storage.
- E. Time Restrictions:
 - 1. Limit all noisy exterior work to the hours of 6:00 pm to 6:00 am. Coordinate off-hour work with Owner's after hours activities.
- F. Utility Outages and Shutdown:
 - 1. Limit disruption of utility services to hours the building is unoccupied.

2. Do not disrupt or shut down life safety systems, including but not limited to fire sprinklers, fire alarm and security systems. Provide 7 days notice to Owner and authorities having jurisdiction.
3. Prevent accidental disruption of utility services to other facilities.

1.8 WORK SEQUENCE

- A. Construct Work in sequenced stages as indicated on the drawings during the construction period. The project is anticipated to be sequenced in (4) sequential stages to allow for continuous Owner occupancy of the existing buildings during construction of this work, and subsequent Owner occupancy of the new work when complete.
- B. Coordinate construction schedule and operations with Owner.

1.9 SPECIFICATION SECTIONS APPLICABLE TO ALL CONTRACTS

- A. Unless otherwise noted, all provisions of the sections listed below apply to all contracts. Specific items of work listed under individual contract descriptions constitute exceptions.
- B. Section 000103 - Project Directory.
- C. Section 012000 - Price and Payment Procedures.
- D. Section 012100 - Allowances.
- E. Section 012200 - Unit Prices.
- F. Section 012300 - Alternates.
- G. Section 013000 - Administrative Requirements.
- H. Section 013329.02 - Sustainable Design Reporting - LEED v4.
- I. Section 014000 - Quality Requirements.
- J. Section 014216 - Definitions.
- K. Section 015000 - Temporary Facilities and Controls.
- L. Section 016000 - Product Requirements.
- M. Section 016116 - Volatile Organic Compound (VOC) Content Restrictions.
- N. Section 017000 - Execution and Closeout Requirements.
- O. Section 017800 - Closeout Submittals.

1.10 CONTRACT NO. 1G - GENERAL CONSTRUCTION

- A. Division 01 - General Requirements:
 1. Specification sections listed above.
 2. Section 017000: Basic project engineering and layout.
 3. Section 015000: Utility services to point of delivery indicated, and installation of meters.
 4. Section 015000: Payment of costs of temporary utilities and services consumed.
 5. Section 015000: Temporary heating, cooling, and ventilating.
 6. Section 015000: Provide debris receptacles, remove debris from site.
 7. Section 015000: Erosion control structures.
 8. Section 017000: Final cleaning.

- B. Provide all Work in Divisions 2-14, 31, 32, and 33.
- C. Provide all Work except Work specifically assigned to other contractors in this Section.

1.11 CONTRACT NO. 2P - PLUMBING

- A. Specification sections listed above as applicable to all contracts.
 - 1. Section 015000: Temporary water installation.
 - 2. Section 015000 - Temporary Facilities and Controls: Temporary sanitary facilities.
- B. Division 07 - Thermal and Moisture Protection:
 - 1. Section 078400 - Firestopping: Firestopping of piping penetrations.
- C. Division 08 - Openings:
 - 1. Section 083100 - Access Doors and Panels: Access doors and panels.
- D. Division 21 - Sprinkler: All sections identified.
- E. Division 22 - Plumbing: All sections identified.

1.12 CONTRACT NO. 3H - HEATING, VENTILATING, AND AIR CONDITIONING

- A. Specification sections listed above as applicable to all contracts.
- B. Division 23 - Heating, Ventilating, and Air Conditioning: All sections identified.

1.13 CONTRACT NO. 4E - ELECTRICAL

- A. Specification sections listed above as applicable to all contracts.
 - 1. Section 015000: Temporary electricity installation.
 - 2. Section 015000: Temporary lighting.
- B. Division 07 - Thermal and Moisture Protection:
 - 1. Section 078400 - Firestopping: Firestopping of wire and conduit penetrations.
- C. Division 26 - Electrical: All sections identified.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 012100
ALLOWANCES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Cash Allowances.
- B. Contingency Allowance.
- C. Quantity Allowance.
- D. Payment and modification procedures relating to allowances.

1.2 RELATED REQUIREMENTS

- A. Section 012000 - Price and Payment Procedures: Additional payment and modification procedures.

1.3 CASH ALLOWANCES

- A. Costs Included in Cash Allowances: Cost of product to Contractor or subcontractor, less applicable trade discounts, cost of delivery to site , less applicable taxes , cost of installation, submittals when applicable.
- B. Costs Not Included in Cash Allowances: Product delivery to site and handling at the site, including unloading, uncrating, and storage; protection of products from elements and from damage.
- C. Architect Responsibilities:
 - 1. Consult with Contractor for consideration and selection of products, suppliers , and installers.
 - 2. Select products in consultation with Owner and transmit decision to Contractor.
 - 3. Prepare Directive and Change Order.
- D. Contractor Responsibilities:
 - 1. Assist Architect in selection of products, suppliers , and installers.
 - 2. Obtain proposals from suppliers and installers and offer recommendations.
 - 3. On notification of which products have been selected, execute purchase agreement with designated supplier and installer.
 - 4. Arrange for and process shop drawings, product data, and samples. Arrange for delivery.
 - 5. Promptly inspect products upon delivery for completeness, damage, and defects. Submit claims for transportation damage.
- E. Differences in costs will be adjusted by Change Order. Overhead and Profit shall be included in the Contract Sum.

1.4 CONTINGENCY ALLOWANCE

- A. Contractor's costs for products, delivery, installation, labor, insurance, bonding, equipment rental shall be included in Contractor's proposal for expenditure of funds from Contingency Allowance.

- B. At closeout of Contract, funds remaining in Contingency Allowance will be credited to Owner by Change Order. Overhead and Profit shall be included in the Contract Sum.

1.5 QUANTITY ALLOWANCE

- A. Costs for products, delivery, installation, labor, equipment, overhead and profit shall be included in a scheduled quantity allowance.
- B. At closeout of Contract, funds remaining in the Quantity Allowance will be credited to Owner by Change Order. Overhead and Profit shall be included in the Contract Sum.

1.6 ALLOWANCES SCHEDULE

- A. Cash Allowance - General Construction
 - 1. Section 101400 - Signage: Include the sum of \$25,000.00 for purchase and delivery of building signage, including interior and exterior, building- and surface-mounted, signage. Site safety signage is part of the base bid work and is not included in this allowance.
- B. Contingency Allowance - All Contracts:
 - 1. Contract 1G - General Construction: \$275,000.00
 - 2. Contract 2P - Plumbing: \$75,000.00
 - 3. Contract 3H - HVAC: \$75,000.00
 - 4. Contract 4E - Electrical: \$75,000.00
- C. Quantity Allowance: Include a quantity allowance for five (5) additional security cameras, including cameras, installation, raceway, and wiring as indicated on the Electrical Drawings.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 012200
UNIT PRICES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Schedule of unit prices, for use in preparing Bids.
- B. Measurement and payment criteria applicable to Work performed under a scheduled unit price.
- C. Defect assessment and non-payment for rejected work.

1.2 RELATED REQUIREMENTS

- A. Sections 014100.01 through 014100.04 - Bid Forms

1.3 COSTS INCLUDED

- A. Unit Prices included on the Bid Form shall include full costs for all required labor, products, tools, equipment, plant, transportation, services and incidentals; erection, application or installation of the scheduled item of the Work, plus overhead and profit.

1.4 UNIT QUANTITIES SPECIFIED

- A. Quantities indicated in the Bid Form are for bidding and contract purposes only. Quantities and measurements of actual Work will determine the payment amount.

1.5 MEASUREMENT OF QUANTITIES

- A. Measurement methods delineated in the individual specification sections complement the criteria of this section. In the event of conflict, the requirements of the individual specification section govern.
- B. Take all measurements and compute quantities. Measurements and quantities will be reviewed by Architect and Owner.
- C. Assist by providing necessary equipment, workers, and survey personnel as required.
- D. Measurement by Volume: Measured by cubic dimension using mean length, width and height or thickness.
- E. Measurement by Area: Measured by square dimension using mean length and width or radius.
- F. Linear Measurement: Measured by linear dimension, at the item centerline or mean chord.
- G. Price Measurement: Items measured by weight, volume, area, or linear means or combination, as appropriate, as a completed item or unit of the Work.
- H. Perform surveys required to determine quantities, including control surveys to establish measurement reference lines. Notify Architect prior to starting work.

1.6 PAYMENT

- A. Payment for Work governed by unit prices will be made on the basis of the actual measurements and quantities of Work that is incorporated in or made necessary by the Work and accepted by the Architect and the Owner, multiplied by the unit price.
- B. Payment will not be made for any of the following:
 - 1. Products wasted or disposed of in a manner that is not acceptable.
 - 2. Products determined as unacceptable before or after placement.
 - 3. Products not completely unloaded from the transporting vehicle.
 - 4. Products placed beyond the lines and levels of the required Work.
 - 5. Products remaining on hand after completion of the Work.
 - 6. Loading, hauling, and disposing of rejected Products.

1.7 DEFECT ASSESSMENT

- A. Replace Work, or portions of the Work, not complying with specified requirements.
- B. If, in the opinion of Architect, it is not practical to remove and replace the Work, Architect will direct one of the following remedies:
 - 1. The defective Work may remain, but the unit price will be adjusted to a new unit price at the discretion of Architect.
 - 2. The defective Work will be partially repaired to the instructions of the Architect, and the unit price will be adjusted to a new unit price at the discretion of Architect.
- C. The individual specification sections may modify these options or may identify a specific formula or percentage price reduction.
- D. The authority of Architect to assess the defect and identify payment adjustment is final.

1.8 SCHEDULE OF UNIT PRICES

- A. Contract 1G - General Construction
 - 1. Unit Price G-1: Concrete Foundation Wall, 12 inches thick; (Section 033000)
\$_____ per c.y.
 - 2. Unit Price G-2: 4 inch thick Concrete Floor Slab; (Section 033000)
\$_____ per c.y.
 - 3. Unit Price G-3: 4 inch Concrete Sidewalk or Housekeeping Pad; (Section 033000, Details 9 and 11 on Drawing C-201)
\$_____ per s.f.
 - 4. Unit Price G-4: Concrete Paver and Setting Bed; (Detail 13 on Drawing C-201)
\$_____ per s.f.
 - 5. Unit Price G-5: Mechanical Rock Removal; (Section 312000)
\$_____ per c.y.
 - 6. Unit Price G-6: Remedial Excavation; (Section 312000)
\$_____ per c.y.
 - 7. Unit Price G-7: Roadway Replacement; (Section 321300)
\$_____ per s.f..
- B. Contract 2P - Plumbing
 - 1. Unit Price P-1: Sprinkler Head, with 5 feet of piping; (Section 211313)
\$_____ ea.
- C. Contract 4E - Electrical

1. Unit Price E-1: Electrical Outlet, Switch, or Receptacle with 20 feet of wire; (Section 262726) \$ _____ ea.
2. Unit Price E-2: Data Outlet, with 200 feet of wire; (Drawing E-307) \$ _____ ea..
3. Unit Price E-3: Access Control Reader Infrastructure, with 50 feet of wire, excluding access control device; (Section 087100 and Drawing E-305)
\$ _____ ea.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 012300
ALTERNATES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Description of Alternates.

1.2 RELATED REQUIREMENTS

- A. Document 002113 - Instructions to Bidders: Instructions for preparation of pricing for Alternates.
- B. Document 004323 - Alternates Form: List of Alternates as supplement to Bid Form.
- C. Document 005200 - Agreement Form: Incorporating monetary value of accepted Alternates.

1.3 ACCEPTANCE OF Alternates

- A. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted Alternates will be identified in the Owner-Contractor Agreement.
- B. Coordinate related work and modify surrounding work to integrate the Work of each Alternate.

1.4 SCHEDULE OF ALTERNATES - GENERAL CONSTRUCTION

A. ADD ALTERNATE No. GC-01 - TOILET ROOM REFURBISHMENT

State the amount to be added to the Base Bid to refurbish existing Toilet Rooms Nos. 014, 017, 023, 024, 103, 123, 126, 128, and 138 as indicated on Drawings A900 through A903.

Coordinate with corresponding Alternates in Plumbing, HVAC, and Electrical Contracts.

Base Bid shall include no General Construction work in existing Toilet Rooms 014, 017, 023, 024, 103, 123, 126, 128, and 138.

B. ADD ALTERNATE No. GC-02 - TOILET ROOM FIT-OUT

State the amount to be added to the Base Bid to fitout Toilet Rooms Nos. 311 and 312 as indicated on Drawing A904. Fit out shall include but not be limited to paint and tile finishes and toilet room accessories.

Coordinate with corresponding Alternates in Plumbing, HVAC, and Electrical Contracts.

Base Bid shall include drywall partitions, door and hardware, suspended ceilings in Toilet Rooms 311 and 312.

Alternate Item: Alternate items include plumbing fixtures and finishes.

C. ADD ALTERNATE No. GC-03 - FOLDING PARTITION

State the amount to be added to the Base Bid to provide Folding Partition assemblies, including structural support, at Lobby No. 100 as specified in Section 102226 and as indicated on Drawing A905.

Base bid shall include aluminum and glass doors, frames and hardware, Door Nos. 100A, 100B, 100C, and 100D as indicated on drawings.

D. ADD ALTERNATE No. GC-04 - NEW CONFERENCE TABLES

State the amount to be added to the Base Bid to provide new Conference Tables Type CT-2 and CT-3 in Room 171 as scheduled on Furniture Tag Legend, Drawing A001. Base Bid shall include the relocation and installation of two (2) existing Conference Tables into Room 171 from locations as directed by the Owner.

E. ADD ALTERNATE No. GC-05 - ALTERNATING TREAD STAIRS

State the amount to be added to the Base Bid to provide two (2) Alternating Tread Stairs instead of two (2) ships ladders as indicated on Drawing A114(B) and as specified in Specification Section 055123.23. Base Bid shall include two (2) ships ladders as indicated on Drawing A114(B).d installtion of vehicle charging stations.

F. ADD ALTERNATE NO. GC-06 - PARKING LOT PAVEMENT

State the amount to be added to the Base Bid to delete crack repair and seal coat and provide mill and overlay pavement at the Police Department Parking Lot as indicated on Drawing C-101. Base Bid shall include crack repair, seal coat, and striping but no milling or overlay pavement in this area.

1.5 SCHEDULE OF ALTERNATES - PLUMBING AND FIRE PROTECTION

A. ADD ALTERNATE NO. P-01 - TOILET ROOM REFURBISHMENT

State the amount to be added to the Base Bid to modify existing plumbing roughing, provide new plumbing fixtures, and modify sprinklers in existing Toilet Rooms Nos. 014, 017, 023, 024, 103, 123, 126, 128, and 138 as indicated on Drawings P-030, P-031, FP-030 and A900 through A903.

Coordinate with corresponding Alternates in General Construction, HVAC, and Electrical Contracts.

Base Bid shall include no Plumbing or Fire Protection work in existing Toilet Rooms Nos. 014, 107, 023, 024, 103, 123, 126, 128, and 138 as indicated on Drawings P-030, P-031, FP-030 and A900 through A903.

B. ADD ALTERNATE NO. P-02 - TOILET ROOM FIT-OUT

State the amount to be added to the Base Bid to fit out Plumbing for Toilet Rooms Nos. 311 and 312 as indicated on Drawing P-204 and A904. Plumbing fit-out shall include but not be limited to scheduled plumbing fixtures, faucets and trim, and hot owater heater.

Coordinate with cooresponding Alternates in General Construction, HVAC, and Electrical Contracts.

Base Bid shall include new sprinklers and plumbing roughing only in Toilet Rooms Nos. 311 and 312 as indicated on Drawings FP-203, P-204, and A904.

1.6 SCHEDULE OF ALTERNATES - HVAC

A. ADD ALTERNATE NO. HV-01 - TOILET ROOM REFURBISHMENT

State the amount to be added to the Base Bid to modify or replace existing HVAC work in existing Toilet Rooms Nos. 014, 017, 023, 024, 103, 123, 126, 128, and 138 as indicated on Drawings M-030 and M-031.

Coordinate with cooresponding Alternates in General Construction, Plumbing, and Electrical Contracts.

Base Bid shall include no HVAC work in existing Toilet Rooms Nos. 014, 017, 023, 024, 103, 123, 126, 128, and 138 as indicated on Drawings M-030 and M-031.

1.7 SCHEDULE OF ALTERNATES - ELECTRICAL

A. ADD ALTERNATE NO. E-01 - TOILET ROOM REFURBISHMENT

State the amount to be added to the Base Bid to modify or replace existing electrical work in existing Toilet Rooms Nos. 014, 107, 023, 024, 103, 123, 126, 128, and 138 as indicated on Drawings E-030 and E-031.

Coordinate with corresponding Alternates in General Construction, Plumbing, and HVAC Contracts.

Base Bid shall include no Electrical work in existing Toilet Rooms Nos. 014, 017, 023, 024, 103, 123, 126, 128, and 138 as indicated on Drawings E-030 and E-031.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 013000
ADMINISTRATIVE REQUIREMENTS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Preconstruction meeting.
- B. Site mobilization meeting.
- C. Progress meetings.
- D. Construction progress schedule.
- E. Contractor's daily reports.
- F. Progress photographs.
- G. Coordination drawings.
- H. Submittals for review, information, and project closeout.
- I. Requests for Interpretation (RFI) procedures.
- J. Submittal procedures.

1.2 RELATED REQUIREMENTS

- A. Section 007200 - General Conditions: Duties of the Construction Manager.
- B. Section 013329.02 - Sustainable Design Reporting - LEED v4: Reporting related to sustainability certification project procedures.
- C. Section 016000 - Product Requirements: General product requirements.
- D. Section 017000 - Execution and Closeout Requirements: Additional coordination requirements.
- E. Section 017800 - Closeout Submittals: Project record documents; operation and maintenance data; warranties and bonds.

1.3 REFERENCE STANDARDS

- A. AIA G716 - Request for Information 2004.
- B. AIA G810 - Transmittal Letter 2001.

1.4 PROJECT COORDINATOR

- A. Project Coordinator: To Be Determined.
- B. Cooperate with the Project Coordinator in allocation of mobilization areas of site; for field offices and sheds, for vehicular and equipment access, traffic, and parking facilities.
- C. During construction, coordinate use of site and facilities through the Project Coordinator.

- D. Comply with Project Coordinator's procedures for intra-project communications; submittals, reports and records, schedules, coordination drawings, and recommendations; and resolution of ambiguities and conflicts.
- E. Comply with instructions of the Project Coordinator for use of temporary utilities and construction facilities. Responsibility for providing temporary utilities and construction facilities is identified in Section 011000 - Summary.
- F. Coordinate field engineering and layout work under instructions of the Project Coordinator.
- G. Project Coordinator shall be solely responsible for distributing all necessary project information to each applicable Prime Contractor including, but not limited to, documents, drawings, specifications, sketches, schedules, etc.
- H. Make the following types of submittals to Architect through the Project Coordinator:
 - 1. Requests for Interpretation.
 - 2. Requests for substitution.
 - 3. Shop drawings, product data, and samples.
 - 4. Test and inspection reports.
 - 5. Design data.
 - 6. Manufacturer's instructions and field reports.
 - 7. Applications for payment and change order requests.
 - 8. Progress schedules.
 - 9. Coordination drawings.
 - 10. Correction Punch List and Final Correction Punch List for Substantial Completion.
 - 11. Closeout submittals.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.1 PRECONSTRUCTION MEETING

- A. Schedule meeting after Notice of Award.
- B. Attendance Required:
 - 1. Owner.
 - 2. Architect.
 - 3. Contractor.
- C. Agenda:
 - 1. Execution of Owner-Contractor Agreement.
 - 2. Submission of executed bonds and insurance certificates.
 - 3. Distribution of Contract Documents.
 - 4. Submission of list of subcontractors, list of products, schedule of values, and progress schedule.
 - 5. Submission of initial Submittal schedule.
 - 6. Designation of personnel representing the parties to Contract, Owner and Architect.
 - 7. Procedures and processing of field decisions, submittals, substitutions, applications for payments, proposal request, Change Orders, and Contract closeout procedures.
 - 8. Scheduling.
- D. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect, Owner, participants, and those affected by decisions made.

3.2 SITE MOBILIZATION MEETING

- A. Project Coordinator will schedule meeting at the Project site prior to Contractor occupancy.
- B. Attendance Required:
 - 1. Contractor.
 - 2. Owner.
 - 3. Architect.
 - 4. Contractor's superintendent.
 - 5. Major subcontractors.
- C. Agenda:
 - 1. Use of premises by Owner and Contractor.
 - 2. Owner's requirements.
 - 3. Construction facilities and controls provided by Owner.
 - 4. Temporary utilities provided by Owner.
 - 5. Survey and building layout.
 - 6. Security and housekeeping procedures.
 - 7. Schedules.
 - 8. Application for payment procedures.
 - 9. Procedures for testing.
 - 10. Procedures for maintaining record documents.
 - 11. Requirements for start-up of equipment.
 - 12. Inspection and acceptance of equipment put into service during construction period.
- D. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect, Owner, participants, and those affected by decisions made.

3.3 PROGRESS MEETINGS

- A. Project Coordinator will make arrangements for meetings, prepare agenda with copies for participants, preside at meetings.
- B. Attendance Required:
 - 1. Contractor.
 - 2. Owner.
 - 3. Architect.
 - 4. Special consultants.
 - 5. Contractor's superintendent.
 - 6. Major subcontractors.
- C. Agenda:
 - 1. Review minutes of previous meetings.
 - 2. Review of work progress.
 - 3. Field observations, problems, and decisions.
 - 4. Identification of problems that impede, or will impede, planned progress.
 - 5. Review of submittals schedule and status of submittals.
 - 6. Review of RFIs log and status of responses.
 - 7. Review of off-site fabrication and delivery schedules.
 - 8. Maintenance of progress schedule.
 - 9. Corrective measures to regain projected schedules.
 - 10. Planned progress during succeeding work period.
 - 11. Coordination of projected progress.
 - 12. Maintenance of quality and work standards.

13. Effect of proposed changes on progress schedule and coordination.
14. Other business relating to work.

- D. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect, Owner, participants, and those affected by decisions made.

3.4 CONSTRUCTION PROGRESS SCHEDULE

- A. Within 10 days after date of the Agreement, submit preliminary schedule defining planned operations for the first 60 days of work, with a general outline for remainder of work.
- B. If preliminary schedule requires revision after review, submit revised schedule within 10 days.
- C. Within 20 days after review of preliminary schedule, submit draft of proposed complete schedule for review.
 1. Include written certification that major contractors have reviewed and accepted proposed schedule.
- D. Within 10 days after joint review, submit complete schedule.
- E. Submit updated schedule with each Application for Payment.

3.5 DAILY CONSTRUCTION REPORTS

- A. Include only factual information. Do not include personal remarks or opinions regarding operations and/or personnel.
- B. In addition to transmitting electronically a copy to Owner and Architect, submit two printed copies at weekly intervals.
- C. Prepare a daily construction report recording the following information concerning events at Project site and project progress:
 1. Date.
 2. High and low temperatures, and general weather conditions.
 3. Safety, environmental, or industrial relations incidents.
 4. Meetings and significant decisions.
 5. Stoppages, delays, shortages, and losses. Include comparison between scheduled work activities (in Contractor's most recently updated and published schedule) and actual activities. Explain differences, if any. Note days or periods when no work was in progress and explain the reasons why.
 6. Testing and/or inspections performed.
 7. Signature of Contractor's authorized representative.

3.6 PROGRESS PHOTOGRAPHS

- A. Submit photographs with each application for payment, taken not more than 3 days prior to submission of application for payment.
- B. Photography Type: Digital; electronic files.
- C. Provide photographs of site and construction throughout progress of work produced by an experienced photographer, acceptable to Architect.
- D. In addition to periodic, recurring views, take photographs of each of the following events:
 1. Excavations in progress.
 2. Foundations in progress and upon completion.
 3. Structural framing in progress and upon completion.

4. Enclosure of building, upon completion.
5. Final completion, minimum of ten (10) photos.

E. Views:

1. Provide non-aerial photographs from four cardinal views at each specified time, until date of Substantial Completion.
2. Consult with Architect for instructions on views required.
3. Provide factual presentation.
4. Provide correct exposure and focus, high resolution and sharpness, maximum depth of field, and minimum distortion.
5. Point of View Sketch: Provide sketch identifying point of view of each photograph.

F. Digital Photographs: 24 bit color, minimum resolution of 1024 by 768, in JPG format; provide files unaltered by photo editing software.

1. Delivery Medium: Via email.
2. File Naming: Include project identification, date and time of view, and view identification.
3. Point of View Sketch: Include digital copy of point of view sketch with each electronic submittal; include point of view identification in each photo file name.
4. PDF File: Assemble all photos into printable pages in PDF format, with 2 to 3 photos per page, each photo labeled with file name; one PDF file per submittal.
5. Hard Copy: Printed hardcopy (grayscale) of PDF file and point of view sketch.

3.7 COORDINATION DRAWINGS

- A. Provide information required by Project Coordinator for preparation of coordination drawings.
- B. Review drawings prior to submission to Architect.

3.8 REQUESTS FOR INTERPRETATION (RFI)

A. Definition: A request seeking one of the following:

1. An interpretation, amplification, or clarification of some requirement of Contract Documents arising from inability to determine from them the exact material, process, or system to be installed; or when the elements of construction are required to occupy the same space (interference); or when an item of work is described differently at more than one place in Contract Documents.
2. A resolution to an issue which has arisen due to field conditions and affects design intent.

B. Preparation: Prepare an RFI immediately upon discovery of a need for interpretation of Contract Documents. Failure to submit a RFI in a timely manner is not a legitimate cause for claiming additional costs or delays in execution of the work.

1. Prepare a separate RFI for each specific item.
 - a. Review, coordinate, and comment on requests originating with subcontractors and/or materials suppliers.
 - b. Do not forward requests which solely require internal coordination between subcontractors.
2. Prepare in a format and with content acceptable to Owner.
 - a. Use AIA G716 - Request for Information .
3. Combine RFI and its attachments into a single electronic file. PDF format is preferred.

C. Reason for the RFI: Prior to initiation of an RFI, carefully study all Contract Documents to confirm that information sufficient for their interpretation is definitely not included.

1. Include in each request Contractor's signature attesting to good faith effort to determine from Contract Documents information requiring interpretation.
 2. Unacceptable Uses for RFIs: Do not use RFIs to request the following:
 - a. Approval of submittals (use procedures specified elsewhere in this section).
 - b. Approval of substitutions (see Section - 016000 - Product Requirements)
 - c. Changes that entail change in Contract Time and Contract Sum (comply with provisions of the Conditions of the Contract).
 - d. Different methods of performing work than those indicated in the Contract Drawings and Specifications (comply with provisions of the Conditions of the Contract).
 3. Improper RFIs: Requests not prepared in compliance with requirements of this section, and/or missing key information required to render an actionable response. They will be returned without a response, with an explanatory notation.
 4. Frivolous RFIs: Requests regarding information that is clearly indicated on, or reasonably inferable from, Contract Documents, with no additional input required to clarify the question. They will be returned without a response, with an explanatory notation.
 - a. The Owner reserves the right to assess the Contractor for the costs (on time-and-materials basis) incurred by the Architect, and any of its consultants, due to processing of such RFIs.
- D. Content: Include identifiers necessary for tracking the status of each RFI, and information necessary to provide an actionable response.
1. Official Project name and number, and any additional required identifiers established in Contract Documents.
 2. Owner's, Architect's, and Contractor's names.
 3. Discrete and consecutive RFI number, and descriptive subject/title.
 4. Issue date, and requested reply date.
 5. Reference to particular Contract Document(s) requiring additional information/interpretation. Identify pertinent drawing and detail number and/or specification section number, title, and paragraph(s).
 6. Annotations: Field dimensions and/or description of conditions which have engendered the request.
 7. Contractor's suggested resolution: A written and/or a graphic solution, to scale, is required in cases where clarification of coordination issues is involved, for example; routing, clearances, and/or specific locations of work shown diagrammatically in Contract Documents. If applicable, state the likely impact of the suggested resolution on Contract Time or the Contract Sum.
- E. Attachments: Include sketches, coordination drawings, descriptions, photos, submittals, and other information necessary to substantiate the reason for the request.
- F. RFI Log: Prepare and maintain a tabular log of RFIs for the duration of the project.
1. Indicate current status of every RFI. Update log promptly and on a regular basis.
 2. Note dates of when each request is made, and when a response is received.
 3. Highlight items requiring priority or expedited response.
 4. Highlight items for which a timely response has not been received to date.
- G. Review Time: Architect will respond and return RFIs to Contractor within ten business days of receipt. For the purpose of establishing the start of the mandated response period, RFIs received after 12:00 noon will be considered as having been received on the following regular working day.
1. Response period may be shortened or lengthened for specific items, subject to mutual agreement, and recorded in a timely manner in progress meeting minutes.
- H. Responses: Content of answered RFIs will not constitute in any manner a directive or authorization to perform extra work or delay the project. If in Contractor's belief it is likely

to lead to a change to Contract Sum or Contract Time, promptly issue a notice to this effect, and follow up with an appropriate Change Order request to Owner.

1. Response may include a request for additional information, in which case the original RFI will be deemed as having been answered, and an amended one is to be issued forthwith. Identify the amended RFI with an R suffix to the original number.
2. Do not extend applicability of a response to specific item to encompass other similar conditions, unless specifically so noted in the response.
3. Upon receipt of a response, promptly review and distribute it to all affected parties, and update the RFI Log.
4. Notify Architect within seven calendar days if an additional or corrected response is required by submitting an amended version of the original RFI, identified as specified above.

3.9 SUBMITTAL SCHEDULE

- A. Submit to Architect for review a schedule for submittals in tabular format.
 1. Coordinate with Contractor's construction schedule and schedule of values.
 2. Format schedule to allow tracking of status of submittals throughout duration of construction.
 3. Arrange information to include scheduled date for initial submittal, specification number and title, submittal category (for review or for information), description of item of work covered, and role and name of subcontractor.
 4. Account for time required for preparation, review, manufacturing, fabrication and delivery when establishing submittal delivery and review deadline dates.
 - a. For assemblies, equipment, systems comprised of multiple components and/or requiring detailed coordination with other work, allow for additional time to make corrections or revisions to initial submittals, and time for their review.

3.10 SUBMITTALS FOR REVIEW

- A. When the following are specified in individual sections, submit them for review:
 1. Product data.
 2. Shop drawings.
 3. Samples for selection.
 4. Samples for verification.
- B. Submit to Architect for review for the limited purpose of checking for compliance with information given and the design concept expressed in Contract Documents.
- C. Samples will be reviewed for aesthetic, color, or finish selection.
- D. After review, provide copies and distribute in accordance with SUBMITTAL PROCEDURES article below and for record documents purposes described in Section 017800 - Closeout Submittals.

3.11 SUBMITTALS FOR INFORMATION

- A. When the following are specified in individual sections, submit them for information:
 1. Design data.
 2. Sustainability design submittals and reports.
 3. Certificates.
 4. Test reports.
 5. Inspection reports.
 6. Manufacturer's instructions.
 7. Manufacturer's field reports.
 8. Other types indicated.

- B. Submit for Architect's knowledge as contract administrator or for Owner.

3.12 SUBMITTALS FOR PROJECT CLOSEOUT

- A. Submit Correction Punch List for Substantial Completion.
- B. Submit Final Correction Punch List for Substantial Completion.
- C. When the following are specified in individual sections, submit them at project closeout in compliance with requirements of Section 017800 - Closeout Submittals:
 - 1. Project record documents.
 - 2. Operation and maintenance data.
 - 3. Warranties.
 - 4. Bonds.
 - 5. Other types as indicated.
- D. Submit for Owner's benefit during and after project completion.

3.13 SUBMITTAL PROCEDURES

- A. General Requirements:
 - 1. Use a separate transmittal for each item.
 - 2. Submit separate packages of submittals for review and submittals for information, when included in the same specification section.
 - 3. Transmit using approved form.
 - a. Use Form AIA G810.
 - 4. Sequentially identify each item. For revised submittals use original number and a sequential numerical suffix.
 - 5. Identify: Project; Contractor; subcontractor or supplier; pertinent drawing and detail number; and specification section number and article/paragraph, as appropriate on each copy.
 - 6. Apply Contractor's stamp, signed or initialed certifying that review, approval, verification of products required, field dimensions, adjacent construction work, and coordination of information is in accordance with the requirements of the work and Contract Documents.
 - a. Submittals from sources other than the Contractor, or without Contractor's stamp will not be acknowledged, reviewed, or returned.
 - 7. Deliver each submittal on date noted in submittal schedule, unless an earlier date has been agreed to by all affected parties, and is of the benefit to the project.
 - a. Deliver submittals to Architect at business address.
 - 8. Schedule submittals to expedite the Project, and coordinate submission of related items.
 - a. For each submittal for review, allow 15 days excluding delivery time to and from the Contractor.
 - b. For sequential reviews involving Architect's consultants, Owner, or another affected party, allow an additional 7 days.
 - c. For sequential reviews involving approval from authorities having jurisdiction (AHJ), in addition to Architect's approval, allow an additional 30 days.
 - 9. Identify variations from Contract Documents and product or system limitations that may be detrimental to successful performance of the completed work.
 - 10. Provide space for Contractor and Architect review stamps.
 - 11. When revised for resubmission, identify all changes made since previous submission.
 - 12. Distribute reviewed submittals. Instruct parties to promptly report inability to comply with requirements.

13. Incomplete submittals will not be reviewed, unless they are partial submittals for distinct portion(s) of the work, and have received prior approval for their use.
 14. Submittals not requested will not be recognized or processed.
- B. Product Data Procedures:
1. Submit only information required by individual specification sections.
 2. Collect required information into a single submittal.
 3. Submit concurrently with related shop drawing submittal.
 4. Do not submit (Material) Safety Data Sheets for materials or products.
- C. Shop Drawing Procedures:
1. Prepare accurate, drawn-to-scale, original shop drawing documentation by interpreting Contract Documents and coordinating related work.
 2. Generic, non-project-specific information submitted as shop drawings do not meet the requirements for shop drawings.
- D. Samples Procedures:
1. Transmit related items together as single package.
 2. Identify each item to allow review for applicability in relation to shop drawings showing installation locations.
- 3.14 SUBMITTAL REVIEW
- A. Submittals for Review: Architect will review each submittal, and approve, or take other appropriate action.
- B. Submittals for Information: Architect will acknowledge receipt and review. See below for actions to be taken.
- C. Architect's actions will be reflected by marking each returned submittal using virtual stamp on electronic submittals.
1. Notations may be made directly on submitted items and/or listed on appended Submittal Review cover sheet.
- D. Architect's and consultants' actions on items submitted for review:
1. Authorizing purchasing, fabrication, delivery, and installation:
 - a. "Approved", or language with same legal meaning.
 - b. "Approved as Noted, Resubmission not required", or language with same legal meaning.
 - 1) At Contractor's option, submit corrected item, with review notations acknowledged and incorporated.
 - c. "Approved as Noted, Resubmit for Record", or language with same legal meaning.
 - 1) Resubmit corrected item, with review notations acknowledged and incorporated. Resubmit separately, or as part of project record documents.
 2. Not Authorizing fabrication, delivery, and installation:
 - a. "Revise and Resubmit".
 - 1) Resubmit revised item, with review notations acknowledged and incorporated.
 - b. "Rejected".
 - 1) Submit item complying with requirements of Contract Documents.
- E. Architect's and consultants' actions on items submitted for information:
1. Items for which no action was taken:
 - a. "Received" - to notify the Contractor that the submittal has been received for record only.

2. Items for which action was taken:
 - a. "Reviewed" - no further action is required from Contractor.

END OF SECTION

SECTION 078100
APPLIED FIRE PROTECTION

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Applied fire protection of interior structural steel not exposed to damage or moisture.

1.2 REFERENCE STANDARDS

- A. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials 2021a.
- B. ASTM E605/E605M - Standard Test Methods for Thickness and Density of Sprayed Fire-Resistive Material (SFRM) Applied to Structural Members 1993, with Editorial Revision (2015).
- C. ASTM E736/E736M - Standard Test Method for Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members 2019.
- D. ASTM E760/E760M - Standard Test Method for Effect of Impact on Bonding of Sprayed Fire-Resistive Material Applied to Structural Members 1992 (Reapproved 2020).
- E. ASTM E937/E937M - Standard Test Method for Corrosion of Steel by Sprayed Fire-Resistive Material (SFRM) Applied to Structural Members 1993 (Reapproved 2020).
- F. UL (FRD) - Fire Resistance Directory Current Edition.

1.3 SUBMITTALS

- A. See Section 013000 - Administrative Requirements, for submittals procedures.
- B. Product Data: Provide data indicating product characteristics.
- C. Test Reports: Reports from reputable independent testing agencies for proposed products, indicating compliance with specified criteria, conducted under conditions similar to those on project, as follows:
 - 1. Bond strength.
 - 2. Bond impact.
 - 3. Compressive strength.
 - 4. Fire tests using substrate materials similar those on project.
- D. Manufacturer's Installation Instructions: Indicate special procedures.
- E. Field Quality Control Submittals: Submit field test report.
- F. Installer's Qualification Statement.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years of documented experience

1.5 FIELD CONDITIONS

- A. Do not apply fireproofing when temperature of substrate material and surrounding air is below 40 degrees F or when temperature is predicted to be below said temperature for 24 hours after application.
- B. Provide ventilation in areas to receive fireproofing during application and 24 hours afterward, to dry applied material.
- C. Provide temporary enclosure to prevent spray from contaminating air.

PART 2 PRODUCTS

2.1 APPLIED FIRE PROTECTION ASSEMBLIES

- A. Provide fire resistance ratings for following building elements as required by local building code:
 - 1. Primary structural frame, including columns, girders, and trusses, match existing.
 - 2. Roof construction, including supporting beams and joists, match existing.

2.2 MATERIALS

- A. Applied Fire Protection Material for Interior Applications, Exposed to View and Not to Damage: Manufacturer's standard factory mixed material, which when combined with water is capable of providing indicated fire resistance, and complying with following requirements:
 - 1. Composition: Gypsum-based; not mineral-fiber-based.
 - 2. Bond Strength: 150 pounds per square foot, minimum, when tested in accordance with ASTM E736/E736M when set and dry.
 - 3. Dry Density: Minimum average density of 15 lb/cu ft, with minimum individual density of any test sample of 14 lb/cu ft, when tested in accordance with ASTM E605/E605M.
 - 4. Compressive Strength: 8.33 pounds per square inch, minimum.
 - 5. Effect of Impact on Bonding: No cracking, spalling or delamination, when tested in accordance with ASTM E760/E760M.
 - 6. Corrosivity: No evidence of corrosion, when tested in accordance with ASTM E937/E937M.
 - 7. Surface Burning Characteristics: Maximum flame spread index of 0 (zero) and maximum smoke developed index of 0 (zero), when tested in accordance with ASTM E84.
 - 8. Manufacturers:
 - a. GCP Applied Technologies; Monokote MK-6: www.gcpat.com or an approved equal.
 - b. Substitutions: See Section 016000 - Product Requirements.

2.3 ACCESSORIES

- A. Primer Adhesive: Of type recommended by applied fire protection manufacturer.
- B. Water: Clean, potable.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that surfaces are ready to receive fireproofing.
- B. Verify that clips, hangers, supports, sleeves, and other items required to penetrate fireproofing are in place.
- C. Verify that ducts, piping, equipment, or other items that would interfere with application of fireproofing have not been installed.
- D. Verify that voids and cracks in substrate have been filled.
- E. Verify that projections have been removed where fireproofing will be exposed to view as a finish material.

3.2 PREPARATION

- A. Perform tests as recommended by fireproofing manufacturer in applications where adhesion of fireproofing to substrate is in question.
- B. Remove incompatible materials that could effect bond by scraping, brushing, scrubbing, or sandblasting.
- C. Prepare substrates to receive fireproofing in strict accordance with instructions of fireproofing manufacturer.
- D. Protect surfaces not scheduled for fireproofing and equipment from damage by overspray, fall-out, and dusting.
- E. Close off and seal duct work in areas where fireproofing is being applied.

3.3 APPLICATION

- A. Apply primer adhesive in accordance with manufacturer's instructions.
- B. Apply fireproofing in uniform thickness and density as necessary to achieve required ratings.
- C. In exposed locations, trowel surface smooth and form square edges, using tools and procedures recommended by fireproofing manufacturer.

3.4 FIELD QUALITY CONTROL

- A. Perform field inspection and testing in accordance with Section 014000 - Quality Requirements.
- B. Inspect installed fireproofing after application and curing for integrity, prior to its concealment.
- C. Ensure that actual thicknesses, densities, and bond strengths meet requirements for specified ratings and requirements of authorities having jurisdiction (AHJ).
- D. Re-inspect installed fireproofing for integrity of fire protection, after installation of subsequent Work.

3.5 CLEANING

- A. Remove excess material, overspray, droppings, and debris.
- B. Remove fireproofing from materials and surfaces not required to be fireproofed.

END OF SECTION

SECTION 102113.19
PLASTIC TOILET COMPARTMENTS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Solid plastic toilet compartments.
- B. Urinal screens.

1.2 RELATED REQUIREMENTS

- A. Section 061053 - Miscellaneous Rough Carpentry: Blocking and supports
- B. Section 102800 - Toilet, Bath, and Laundry Accessories.

1.3 REFERENCE STANDARDS

- A. NFPA 286 - Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth 2019.

1.4 ADMINISTRATIVE REQUIREMENTS

- A. Coordination: Coordinate the work with placement of support framing and anchors in walls and ceilings.

1.5 SUBMITTALS

- A. See Section 013000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on panel construction, hardware, installation instructions, and accessories.
- C. Shop Drawings: Indicate partition plan, elevation views, dimensions, details of wall supports, door swings.
- D. Samples: Submit two samples of partition panels, 12 by 12 inch in size illustrating panel finish, color, and sheen.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Solid Plastic Toilet Compartments:
 - 1. ASI Global Partitions; Solid Plastic (HDPE) Partitions: www.asi-globalpartitions.com or approved equal.
 - 2. Scranton Products; Hiny Hiders Partitions: www.scrantonproducts.com or an approved equal.
 - 3. Substitutions: Section 016000 - Product Requirements.

2.2 PLASTIC TOILET COMPARTMENTS

- A. Solid Plastic Toilet Compartments: Factory fabricated doors, pilasters, and divider panels made of solid molded high density polyethylene (HDPE), tested in accordance with NFPA 286; floor-mounted headrail-braced.
 - 1. Color: As selected by Architect from manufacturer's standard product range..
 - 2. Finish: Peeble-grained, homogeneous color throughout material.
 - 3. Doors:
 - a. Thickness: 1 inch.
 - b. Width: 24 inch.
 - c. Width for Handicapped Use: 36 inch, out-swinging.
 - d. Height: 55 inch.
 - 4. Panels:
 - a. Thickness: 1 inch.
 - b. Height: 55 inch.
 - c. Depth: As indicated on drawings.
 - 5. Pilasters:
 - a. Thickness: 1 inch.
 - b. Width: As required to fit space; minimum 3 inch.
 - 6. Screens: Without doors; to match compartments; mounted to wall with anodized aluminum, continuous panel bracket.

2.3 ACCESSORIES

- A. Pilaster Shoes: Stainless steel, satin finish, 3 inches high; concealing floor fastenings.
- B. Head Rails: Anodized, extruded aluminum, anti-grip profile.
 - 1. Size: Manufacturer's standard size.
- C. Wall and Pilaster Brackets: Anodized aluminum; continuous type.
- D. Attachments, Screws, and Bolts: Stainless steel , tamper proof type.
- E. Hinges: Anodized aluminum, manufacturer's standard finish.
 - 1. Pivot hinges, gravity type, adjustable for door close positioning; two per door.
- F. Door Hardware: Anodized aluminum, manufacturer's standard finish.
 - 1. Door Latch: Slide type with exterior emergency access feature.
 - 2. Door Strike and Keeper with Rubber Bumper: Mount on pilaster in alignment with door latch.
 - 3. Provide door pull for outswinging doors.
- G. Coat Hook: One per compartment, mounted on door.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that field measurements are as indicated.
- B. Verify correct spacing of and between plumbing fixtures.
- C. Verify correct location of built-in framing, anchorage, and bracing.

3.2 INSTALLATION

- A. Install partitions secure, rigid, plumb, and level in accordance with manufacturer's instructions.
- B. Maintain 3/8 inch to 1/2 inch space between wall and panels and between wall and end pilasters.
- C. Attach panel brackets securely to walls using anchor devices.
- D. Attach panels and pilasters to brackets. Locate head rail joints at pilaster center lines.
- E. Field touch-up of scratches or damaged finish will not be permitted. Replace damaged or scratched materials with new materials.

3.3 TOLERANCES

- A. Maximum Variation From True Position: 1/4 inch.
- B. Maximum Variation From Plumb: 1/8 inch.

3.4 ADJUSTING

- A. Adjust and align hardware to uniform clearance at vertical edge of doors, not exceeding 3/16 inch.
- B. Adjust hinges to position doors in partial opening position when unlatched. Return out-swinging doors to closed position.
- C. Adjust adjacent components for consistency of line or plane.

END OF SECTION

ADDENDUM NO 1
12-3-2021

service organization. Include monthly generator exercising with Owner's Representative to check for proper, starting, load transfer, and running under load. Schedule visits with Owner's Representative two weeks prior to exercising. Include routine preventive maintenance as recommended by manufacturer and adjusting as required for proper operation. Provide parts and supplies as used in the manufacture and installation of original equipment.

1.11 EXTRA MATERIALS

- A. Provide extra materials described below that match products installed, are packaged with protective covering for storage, and are identified with labels describing contents. Deliver extra materials to Owner.
1. Filters: 1 sets each of lubricating oil, fuel, and combustion air filters.
 2. Belts: 1 of each type.
 3. Hose: 1 of each type with clamp.

PART 2 - PRODUCTS

2.01 PRODUCTS

- A. Generator(s): Generac (or approved equal) 650kw 3 Phase Outdoor stationary enclosed fuel oil fired generator with Level 1 acoustical enclosure. Complete with long run base mounted 2000 Gallon fuel tank with all required monitoring.
- B. Batteries: 12 volt sintered AGM lead acid storage batteries (in series as required) rated as recommended by the engine manufacturer for cyclic cranking of standby generating sets of this size shall be provided for the engine. Provide, inter-cell connections and cable connections with lugs and mounting supports shall be provided for each battery for mounting in the generator enclosure. Each battery shall have sufficient capacity to provide 120 seconds total cranking time without recharging. The batteries shall carry a two-year full replacement guarantee followed by a ten year prorated warranty. The battery manufacturer shall provide detailed battery sizing calculations for this project for review as a shop drawing.
- C. Engine Cooling System
1. Cooling system coolant solution of 50% inhibited long life ethylene glycol and 50% water.
 2. Coolant hoses with flexible silicon impregnated assemblies with non-porous rubber inside surface and aging, ultraviolet and abrasion resistant fabric outer covering. The ratings shall be 50 psig maximum working pressure with 180°F coolant, and non-collapsible under vacuum. Hoses and belts shall not be painted.
 3. Provide a complete coolant recovery system designed to collect and contain any coolant lost due to overflow of over pressure release.
- D. Air Cleaner

ADDENDUM NO 1
12-3-2021

- D. Provide a circuiting required for alarm points and engine generator control and shutdown. Including the shunt trip of the in building generator power breaker when the generator shuts down on response to a protective or emergency device.
- E. Provide EPO control circuiting and ancillary devices. Provide EPOs on the generator and at the main electric room.
- F. Provide all nuts, bolts, and gaskets required to connect all mating flanges. Nuts, bolts, and washers shall be stainless steel or case-hardened rated at 1100°F. All other materials and appurtenances, structural steel supports, anchors, and guides required to complete the installation, as specified and as indicated on the drawings, shall be furnished.
- G. In addition to the controls indicated on the drawings and herein, provide all control and circuitry for the following associated systems:
 - 1. Remote generator control panels.
 - 2. Mimic panels.
 - 8. All wiring for engine control indication alarm and monitoring shall be connected to terminal blocks in an accessible terminal cabinet located on the engine.
- H. Provide complete with a full tank of fuel and all fluids topped off.

3.05

CLEANING

- A. Upon completion of installation, inspect system components. Remove paint splatters and other spots, dirt, and debris. Touch-up scratches and mars of finish to match original finish. Clean components internally using methods and materials recommended by manufacturer.

END OF SECTION



PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.

Limited HAZMAT Survey Report

Orangetown Town Hall Expansion
New Town Hall / Police Building
26 West Orangeburg Road
Orangeburg, New York 10962

Submitted To:

Lothrop Associates LLP

333 Westchester Avenue
White Plains, New York 10604

Submitted By:

**Tectonic Engineering
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September 16, 2020
Revised: December 2, 2021
Work Order: 10128.01

**LIMITED HAZARDOUS MATERIALS SURVEY REPORT
ORANGETOWN TOWN HALL EXPANSION
NEW TOWN HALL / POLICE BUILDING
26 WEST ORANGEBURG ROAD
ORANGEBURG, NEW YORK 10962**

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ATTACHMENTS:

FIGURE 1	APPROXIMATE SITE LOCATION
FIGURES 2A – 2C	ACM BULK SAMPLE LOCATION MAPS: NEW TOWN HALL / POLICE BUILDING
FIGURE3 3A – 3B	PCB BULK SAMPLE LOCATION MAPS: NEW TOWN HALL / POLICE BUILDING
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APPENDIX VI	LBP XRF DATA
APPENDIX VII	PHOENIX ENVIRONMENTAL LABORATORY NYSDOH ELAP CERTIFICATION
APPENDIX VIII	LABORATORY ANALYTICAL RESULTS – PCB BULK SAMPLES

1.0 INTRODUCTION

Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C. (Tectonic) was retained by Lothrop Associates LLP Architects to perform a limited hazardous materials (HAZMAT) survey at the following existing structures located at 26 West Orangeburg Road, Orangeburg, New York (the “Site”) (see Figure 1):

- Old Town Hall Building; and
- New Town Hall / Police Building.

This report was previously issued on September 16, 2020 and covered the limited survey of hazardous materials within both structures. This initial report has been revised to only cover the survey performed on the New Town Hall / Police Building. As such, all survey information associated with the Old Town Hall Building structure has been removed from this revised report. The analytical results of this 2020 Limited Hazardous Materials Survey Report have not been altered beyond the removal of the Old Town Hall Building structure survey.

It is our understanding that the proposed improvements will involve work within the southwest portion of the existing New Town Hall / Police Building. As such, our inspection areas within the New Town Hall / Police Building were limited to those that are in the proposed areas of improvement and did not include other areas of the building. The subject HAZMAT survey included the following elements:

- Asbestos Inspection and Building Materials Survey;
- Lead-Based Paint (LBP) Inspection using an X-ray fluorescence (XRF) spectrum analyzer; and
- Polychlorinated Biphenyl (PCB) Inspection.

This HAZMAT Survey Report includes the following:

- Introduction;
- Limitations;
- Project Description.
- Names, titles and certifications of asbestos containing material (ACM) / LBP inspectors;
- Summarization of suspect materials sampled and painted surfaces inspected;
- Identification of asbestos containing materials (ACM), PCB-containing materials, and LBP, their locations and approximate quantities;
- Sketch Maps of sampling and reading locations;
- Tabulated analytical results comparing ACM bulk samples to regulatory criteria, PCB concentrations to regulatory criteria, and LBP XRF results compared to United States Environmental Protection Agency (USEPA) standards for identification as a lead hazard; and
- Laboratory Data Packages.

2.0 LIMITATIONS

The subject HAZMAT survey was conducted under the following limitations:

1. The building was occupied and conducting business operations during the survey. As such, destructive sampling and accessibility was limited by employees actively working in work areas, furniture placement and personnel belongings. Tectonic performed portions of the survey during off-hours to limit access limitations. Selective destructive sampling was conducted in some areas in an effort to identify any hidden suspect materials. Areas behind walls in occupied areas of the buildings were limited.

2. Wiring inspection was limited to accessible electrical boxes throughout the building, and sampled as needed with lockout/tagout procedures in place. Wiring located behind walls and within electrified equipment was not inspected due to the building being fully functional at the time of the survey.

3.0 PROJECT DESCRIPTION

It is our understanding that the Town of Orangetown is proposing to construct a multi-story facility that will house the Town of Orangetown Municipal Offices, and any other services that may be contemplated by the Town, and be directly joined to the existing New Town Hall / Police Building. The proposed construction will additionally involve connection to, and minor reconfiguration of, the interior of portions of the existing New Town Hall / Police Building, as well as the demolition of the Old Town Hall Building.

4.0 APPLICABLE DEFINITIONS TO ACM TERMINOLOGY

New York State Department of Labor (NYSDOL) Industrial Code Rule 56 (CR 56) defines asbestos as, “any naturally occurring hydrated mineral silicate separable into commercially usable fibers, including chrysotile (serpentine), amosite (cummingtonite-grunerite), crocidolite (riebeckite), tremolite, anthophyllite and actinolite.” Asbestos containing material (ACM) is defined as, “any material containing greater than one percent (1%) of asbestos.”

40 CFR 763.83 defines the following terminology that will be used throughout this document:

- Friable material – “material, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure, and includes previously nonfriable material after such previously nonfriable material becomes damaged to the extent that when dry it may be crumbled, pulverized, or reduced to powder by hand pressure.”
- Homogenous area – “an area of surfacing material, thermal system insulation material, or miscellaneous material that is uniform in color and texture.”
- Miscellaneous material – “interior building material on structural components, structural members or fixtures, such as floor and ceiling tiles, and does not include surfacing material or thermal system insulation.”
- Nonfriable material – “material which when dry may not be crumbled, pulverized, or reduced to powder by hand pressure.”
- Surfacing material – “material that is sprayed-on, troweled-on, or otherwise applied to surfaces, such as acoustical plaster on ceilings and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, or other purposes.”
- Thermal system insulation (TSI) – “material applied to pipes, fittings, boilers, breeching, tanks, ducts, or other interior structural components to prevent heat loss or gain, or water condensation, or for other purposes.”

5.0 ACM INSPECTION AND BULK SAMPLING PROCEDURES

Tectonic mobilized Christopher Callinan (cert. # 16-02544), a NYSDOL certified asbestos to the Site on August 25 – 26, 2020 to perform the survey and bulk sampling activities in areas within the New Town Hall / Police Building proposed to be disturbed during scheduled demolition and renovation activities.

Tectonic's Asbestos Handling License and the certification of Tectonic's inspector are provided in Appendix I.

5.1 Drawing and File Review

Prior to arrival for survey activities, Tectonic reviewed the Request for Proposal (including all appendices and attachments), dated February 25, 2019, and the following applicable contract drawings:

1. *Addition to the Orangetown Town Hall prepared by Kaestle Boos Associates, Inc. Architects, dated July 13, 1992 (series of fifty-five total drawings numbered as follows: L-3, L-4, S-1, S-2, S-3, S-4, S-5, S-6, S-7, S-8, S-9, A0.01, AD.01, A1.01, A1.02, A2.01, A13.03, P1, P2, P3, FP1, FP2, M1, M2, M3, M4, M5, M6, M7, E1, E2, E3, E4, E5, E6, E7, E8, E9, E10, E12, A2.02, A2.03, A3.01, A3.02, A4.01, A4.02, A5.01, A6.01, A7.01, A7.02, A7.03, A8.01, A8.02, A8.03, and A8.04);*
2. *Topographical Survey of Orangeburg Town Hall prepared by Summit Land Surveyors, P.C., dated December 8, 2019;*
3. *Orangetown Town Hall Expansion prepared by Lothrop Associates LLP Architects, undated (series of twenty total drawings numbered as follows: A-001, A-002, A-003, A-111, A-112, A-114, A-121, A-122, A-124, A-131, A-132, A-134, A-200, A-201, A-300, A-301, A-302, A400, A401, and A402);*
4. *Orangetown Town Hall Addition and Alterations Site Plan (Drawing No. C-102) prepared by Lothrop Associates LLP Architects and Tectonic Engineering Consultants, Geologists & Land Surveyors, dated May 1, 2020;*
5. *Orangetown Town Hall Addition and Alterations Phasing Plan prepared by Lothrop Associates LLP Architects, dated May 1, 2020;*
6. *Orangetown Town Hall Expansion (electrical drawings) prepared by Lothrop Associates LLP Architects, dated March 27, 2020 (series of eighteen total drawings numbered as follows E-001, E-101, E-102, E-103, E-201, E-202, E-203, E-204, E-205, E-206, E-207, E-208, E-209, E-210, E-211, E-212, E-213, and E-301);*
7. *Orangetown Town Hall Expansion (mechanical drawings) prepared by Lothrop Associates LLP Architects, dated March 27, 2020 (series of fifteen total drawings numbered as follows M-001, M-101, M-201, M-202, M-203, M-204, M-205, M-206, M-207, M-301, M-302, M-303, M-304, M-305, and M-306); and*
8. *Orangetown Town Hall Expansion (plumbing drawings) prepared by Lothrop Associates LLP Architects, dated March 27, 2020 (series of seven total drawings numbered as follows P-001, P-030, P-101, P-201, P-202, P-203, and P-204).*

No other reports and/or contract drawings were available for review prior to arrival at the work sites for survey activities, including Asbestos Hazard Emergency Response Act (AHERA) documentation.

5.2 ACM Visual Inspection Methods

Using reasonable care and professional judgement, visual inspections were performed to identify suspect asbestos containing materials (ACM) within areas with potential to be impacted by the proposed improvements within the New Town Hall / Police Building. During the visual inspections, homogenous areas were identified and delineated to facilitate the collection of necessary ACM bulk samples. Additionally, the condition of visually identified suspect ACM was recorded during this portion of the survey, which included touching suspect materials to determine if they were friable.

The ACM survey included both visual inspection and representative sampling of suspect building materials for ACM. All ACM inspection and bulk sampling procedures described herein were performed in accordance with the following regulations:

- United States Environmental Protection Agency (USEPA) National Emission Standard for Asbestos – Standard for demolition and renovation 40 CFR Part 61.145;
- USEPA Guidance for Controlling Asbestos-Containing Materials in Buildings (EPA Purple Book);
- **USEPA Guidance effective June 4, 2013 titled, “Bulk Sampling for Asbestos”;**
- USEPA, 40 Code of Federal Regulations (CFR), Part 763, Asbestos; and
- Part 56 of Title 12 of the Official Compilation of Codes, Rules, and Regulations of the State of New York (CR 56).

At the New Town Hall / Police Building, a visual inspection was performed to identify and assess the location, quantity, friability and condition of suspect ACM within accessible areas of the proposed disturbance areas. Limited localized penetration of building surfaces was performed, as part of this survey, to access concealed surfaces. The exterior elevation and roof of the structure were also inspected as part of the ACM survey, and bulk samples were collected from suspect materials as needed.

5.3 ACM Bulk Sample Collection Methods

The activities described in the preceding sub-sections served as the basis for the selection of locations for the collection of ACM bulk samples. Sample locations were chosen in the field based on identified homogenous areas and the physical characteristics and condition of the materials. Sample locations in the New Town Hall / Police Building are shown on the attached figures 2A – 2C.

Bulk samples were collected from suspect materials using intrusive methods and were collected in a manner that caused minimal fiber release. Each sample collected was placed and sealed in an airtight container and recorded on the chain of custody. Furthermore, a sample collection inventory was documented which included:

- Date of collection;
- Description of locations inspected, including an estimation of the linear or square footage of each material sampled;
- Type of material; and
- Sample locations were notated on the figures mentioned above.

Suspect ACM were classified into one of three categories: surfacing materials, thermal system insulation (TSI), or miscellaneous materials. All samples were collected in substantial accordance with the guidelines and regulations detailed in Sub-Section 4.2, above.

5.3.1 Surfacing Materials

In accordance with 40 CFR 763.83, the number of samples collected of each homogenous surface material was determined by area as follows:

- Three (3) samples were collected from homogenous areas up to 1,000 square feet;
- No surfacing materials between 1,000 square feet and 5,000 square feet were observed within any of the areas of investigation. As such, there was no instance where five (5) bulk samples were required;
- Seven (7) samples were collected from homogenous areas greater than 5,000 square feet.

5.3.2 Thermal System Insulation (TSI)

In accordance with 40 CFR 763.83, sample collection of each homogenous area of TSI was conducted as follows:

- A minimum of three (3) randomly distributed bulk samples from each homogenous area of TSI not assumed to be ACM were collected;
- No patched thermal insulation was observed in any of the areas of investigation. Therefore, no bulk samples were required.
- No cement or plaster was observed to be used on fittings such as tees, elbows or valves. Therefore, bulk samples were not collected.
- Bulk samples are not required to be collected from any homogenous area where an inspector has determined the thermal insulation to be fiberglass, foam, or rubber insulation.

5.3.3 Miscellaneous Materials

In accordance with 40 CFR 763.83, sample collection of each homogenous area of miscellaneous material was conducted as follows:

- 40 CFR 764.83 states that miscellaneous material must be sampled in a manner sufficient to determine whether material is ACM or not ACM. An accredited inspector must collect bulk samples from each homogenous area. Therefore, a minimum of two (2) bulk samples were collected from each homogenous area of miscellaneous material.

6.0 ACM BULK SAMPLE LABORATORY ANALYSIS

Bulk samples were delivered following standard chain of custody protocol to Atlas Environmental Lab (Atlas), a NYSDOH Environmental Laboratory Accreditation Program (ELAP) approved laboratory located in Manhattan, New York. The NYSDOH ELAP certification for Atlas is provided in Appendix II.

Analysis was performed on each homogenous group sampled. When a positive result was found, analysis for that group was stopped. Bulk samples were analyzed for asbestos fiber content using polarized light microscopy (PLM) following NYELAP method 198.1 for friable materials. Non-friable Organically Bound (NOB) materials (i.e. floor tile, mastic, caulk, roofing material, etc.) were analyzed using PLM following NYELAP method 198.6. In the event that PLM analysis showed that a material contained < 1% asbestos by weight, confirmation analysis using Transmission Electron Microscopy (TEM) was performed following NYELAP method 198.4.

Atlas detected vermiculite in three (3) of the bulk samples collected within the New Town Hall / Police Building. As such, these three (3) samples were subjected to the NYSDOH approved analysis method 198.8 for sprayed on fireproofing / surfacing material containing vermiculite (SOF-V/SM-V).

Laboratory data packages are provided as Appendix III.

7.0 FINDINGS – ACM

Based on the results of our ACM survey and laboratory analysis, no building materials sampled within the Newer Town Hall / Police Building would be classified as ACM per NYSDOL CR 56. Trace amounts of asbestos were detected by the laboratory in the black mastic sampled in the lower level vestibule that is immediately adjacent to the Old Town Hall Building (samples AD1 and AD2). However, as the amount of asbestos detected was less than one (1) percent by weight, this material is not regulated as ACM as stated in NYSDOL CR 56.

8.0 LEAD BASED PAINT (LBP) REGULATORY DEFINITIONS

24 CFR 35.110 defines lead based paint as, “paint or other surface coatings that contain lead equal to or exceeding 1.0 milligram per square centimeter or 0.5 percent by weight or 5,000 parts per million (ppm) by weight.”

40 CFR 745.103 defines lead based paint as, “paint or other surface coatings that contain lead equal to or in excess of 1.0 milligram per square centimeter or 0.5 percent by weight.”

41 CFR 102-40.30 defines lead containing paint as, “paint or other similar surface coating material containing lead or lead compounds in excess of 0.06 percent of the weight of the total nonvolatile content of the paint or the weight of the dried paint film.”

9.0 LBP SURVEY AND PROCEDURES

On August 26, 2020, Tectonic mobilized Christopher Callinan (cert. # LBP-R-I210359-1), an USEPA certified risk assessor to conduct a surface-by-surface inspection utilizing an Innov-X Systems, Inc. LBP4000 XRF across painted interior portions with the potential to be disturbed during scheduled demolition and renovation activities of the New Town Hall / Police Building. A visual inspection of areas that will be potentially disturbed was performed and select representative areas were shot with the XRF. A copy of Mr. Callinan’s certification is provided in Appendix IV. A copy of the performance characteristic sheet (PCS) and calibration certificate for the XRF used is included in Appendix V.

9.1 LBP Inspection Procedures

The condition of painted surfaces was evaluated at the time of the inspection. The LBP survey was performed in accordance with the Department of Housing and Urban Development (HUD) Guidelines as detailed in the 2012 version, Chapter 7, the USEPA regulation 40 CFR Part 745, and all state and local regulations. It should be noted that inspection work was based on either client direction or regulatory protocol.

A three-point calibration was performed in accordance with the National Institute of Technology (NIST) standard 2573 prior to and after collecting the readings. The following painted surfaces were tested for the presence of lead:

- Exterior building components;

- Walls, ceilings and floors;
- Window components;
- Door components; and
- Stairs and stair components.

Locations were identified by designating the front entrance elevation of the building as Side A. The remaining elevations were designated as B, C, and D by continuing clockwise from Side A, as shown in Figure 3, below.

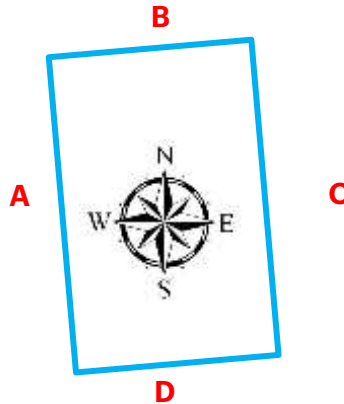


Figure 3: New Town Hall / Police Building Side Identification

As part of the LBP survey, Tectonic visually assessed the current conditions of the tested surfaces to determine paint condition. At the discretion of the inspector, the painted surfaces were determined to be intact or deteriorated.

10.0 XRF SPECTRUM ANALYZER RESULTS

Building components were determined to be lead-based paint based on the criteria below:

Table 1: Lead-Based Paint Criteria

Lead Content (mg/cm ²)	Determination
< 1.0 mg/cm ²	Negative
≥ 1.0 mg/cm ²	Positive

One hundred sixteen (116) readings were taken in the New Town Hall / Police Building via XRF spectrum analyzer. No components located within the New Town Hall / Police Building were determined to be positive for LBP via the XRF spectrum analyzer. A copy of the full set of LBP XRF data is provided in Appendix VI.

11.0 PCB REGULATORY DEFINITIONS

Polychlorinated biphenyls (PCBs) are organic chlorinated compounds that were widely used as dielectric and coolant fluids in electrical apparatus, carbonless copy paper and in heat transfer fluids. PCBs may be contained in transformers, fluorescent light ballasts, hydraulic fluids, coating of electrical cables and components, caulking, adhesives, etc.

Per the definitions provided in 40 CFR Part 761, PCB-contaminated means a non-liquid material containing PCBs at concentrations ≥ 50 ppm but < 500 ppm; a liquid material containing PCBs at concentrations ≥ 50 ppm but < 500 ppm or where insufficient liquid material is available for analysis; a non-porous surface having a surface concentration $> 10 \mu\text{g}/100 \text{ cm}^2$ but $< 100 \mu\text{g}/100 \text{ cm}^2$ as measured by a standard wipe test as defined in Section 761.123. PCB bulk product waste means waste derived from manufactured products containing PCBs in a non-liquid state, at any concentration where the concentration at the time of designation for disposal was ≥ 50 ppm PCBs. Additionally, 6 NYCRR Part 371.3 (e) **states**, “All solid wastes containing 50 parts per million (ppm) by weight (on a dry weight basis for other than liquid wastes) or greater of polychlorinated biphenyls (PCBs) are listed hazardous wastes, excluding small capacitors as defined in paragraph (3) of this subdivision and PCB articles drained in accordance with subparagraphs (2)(ii) and (iii) of this subdivision.”

12.0 PCB SURVEY AND PROCEDURES

Tectonic mobilized Occupational Safety and Health Administration (OSHA) 40-hour HAZWOPER trained personnel to the New Town Hall / Police Building on August 25 – 26, 2020 to collect bulk samples of caulking and other suspect materials, and inspect ballasts within existing light fixtures for labels indicating PCB content in areas proposed to be disturbed during scheduled demolition and renovation activities. The inspection for potentially PCB-containing materials followed USEPA inspection guidelines.

A visual inspection of representative in-place equipment and building materials within the subject building to identify possible PCB-containing equipment and/or materials was performed. The inspection included a visual inspection of labels on representative light fixtures to identify manufacture dates and/or an indication of “No PCBs.”

Solid bulk samples of caulking were collected by removing a small portion of suspect caulk using hand tools. Caution was exercised to collect only the caulking material intended for analysis and that other adjacent materials, such as wood or concrete that may skew the sample analysis results were not included in the final sample(s). Bulk caulk samples were transferred into laboratory prepared containers and placed into a cooler on ice for delivery to a NYSDOH ELAP accredited laboratory following standard chain of custody protocol.

13.0 PCB BULK SAMPLE LABORATORY ANALYSIS

Collected bulk samples were delivered following standard chain of custody protocol to Phoenix Environmental Laboratory (Phoenix), a NYSDOH ELAP approved laboratory located in Manchester, Connecticut. The NYSDOH ELAP certification for Phoenix is provided in Appendix VII.

A total of seven (7) caulk samples were collected from the New Town Hall / Police Building (see Figures 3A and 3B). The location of light fixtures in the New Town Hall / Police Building are presented in Figure 4. The Laboratory Data Package is included as Appendix VII.

14.0 FINDINGS – PCBs

Based on the analytical test results, PCBs were not detected above laboratory reporting limits in the bulk caulk samples collected in the New Town Hall / Police Building. Observed ballasts within the light fixtures in the areas proposed for improvements in the New Town Hall / Police Building were PCB-free.

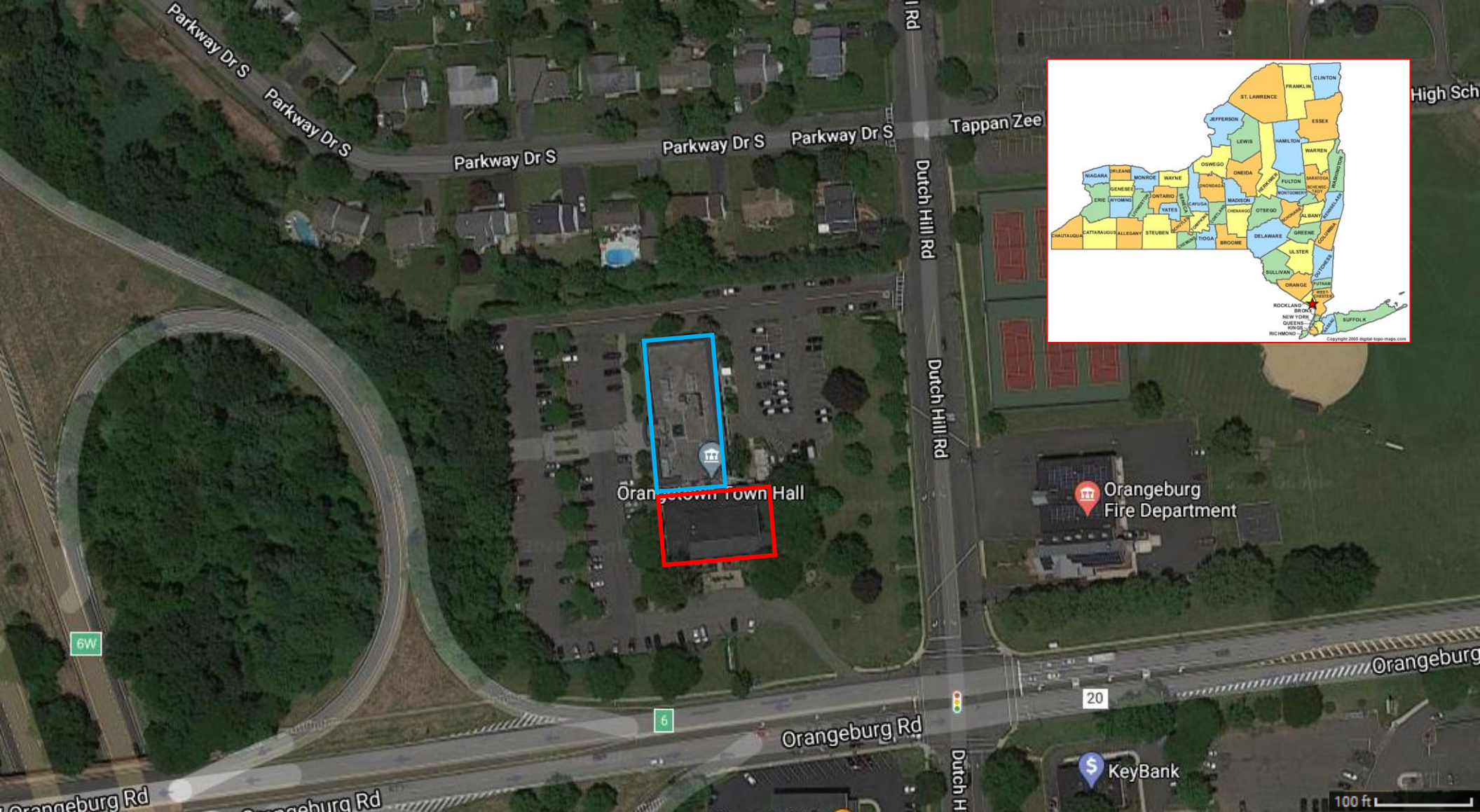
15.0 REPORT LIMITATIONS AND CERTIFICATIONS

This HAZMAT Survey Report, including all supporting data, findings, conclusions, opinions or recommendations **compiles the results of Tectonic's investigation. This report is not intended to act** as a specification for remediation and/or abatement and should not be used for bidding purposes or for specifying abatement techniques or methods. All quantities of ACM or other regulated materials identified, and all dimensions listed within this report are approximate. It is the responsibility of any abatement contractor to perform a site walk to verify quantities and conditions specified herein.

This report is a representation of the actual conditions encountered and observed in the field during the dates of our HAZMAT survey. These observations and results are time dependent, subject to changing site conditions and revisions to Federal, State, and Local regulations. Tectonic assumes no liability for any changes in conditions or updates to regulations occurring after the investigation dates. Observations were made of the structures at the Site as indicated in this report. The survey was limited to exposed, accessible building materials and where access to portions of the structure was unavailable or limited, and no direct observation made, further investigation and bulk sampling may be necessary.

Please note, per NYSDOL CR 56, the completed asbestos survey for controlled or pre-demolition asbestos projects should be submitted to the appropriate Asbestos Control Bureau district office by the building owner.

FIGURE 1



Key:



Approximate Site Location in New York State



Approximate Location of New Town Hall / Police Building



Approximate Location of Old Town Hall Building

NOTES



Tectonic

Planning
Engineering
Surveying
Construction Management

70 Pleasant Hill Road
Mountainville, NY 10953

(845) 534-5959 Telephone
(845) 534-5999 Fax

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Title Figure 1: Approximate Site Location

Location Orangetown Town Hall, 26 W Orangeburg Rd., Orangeburg, NY

Client Lothrop Associates LLC

Source New York State County Map with Cities (digital-topo-maps.com) & Google Maps

Date 9/1/2020

Work Order 10128.01

Drawing No. 1 of 1

Rev. 0

Scale NTS

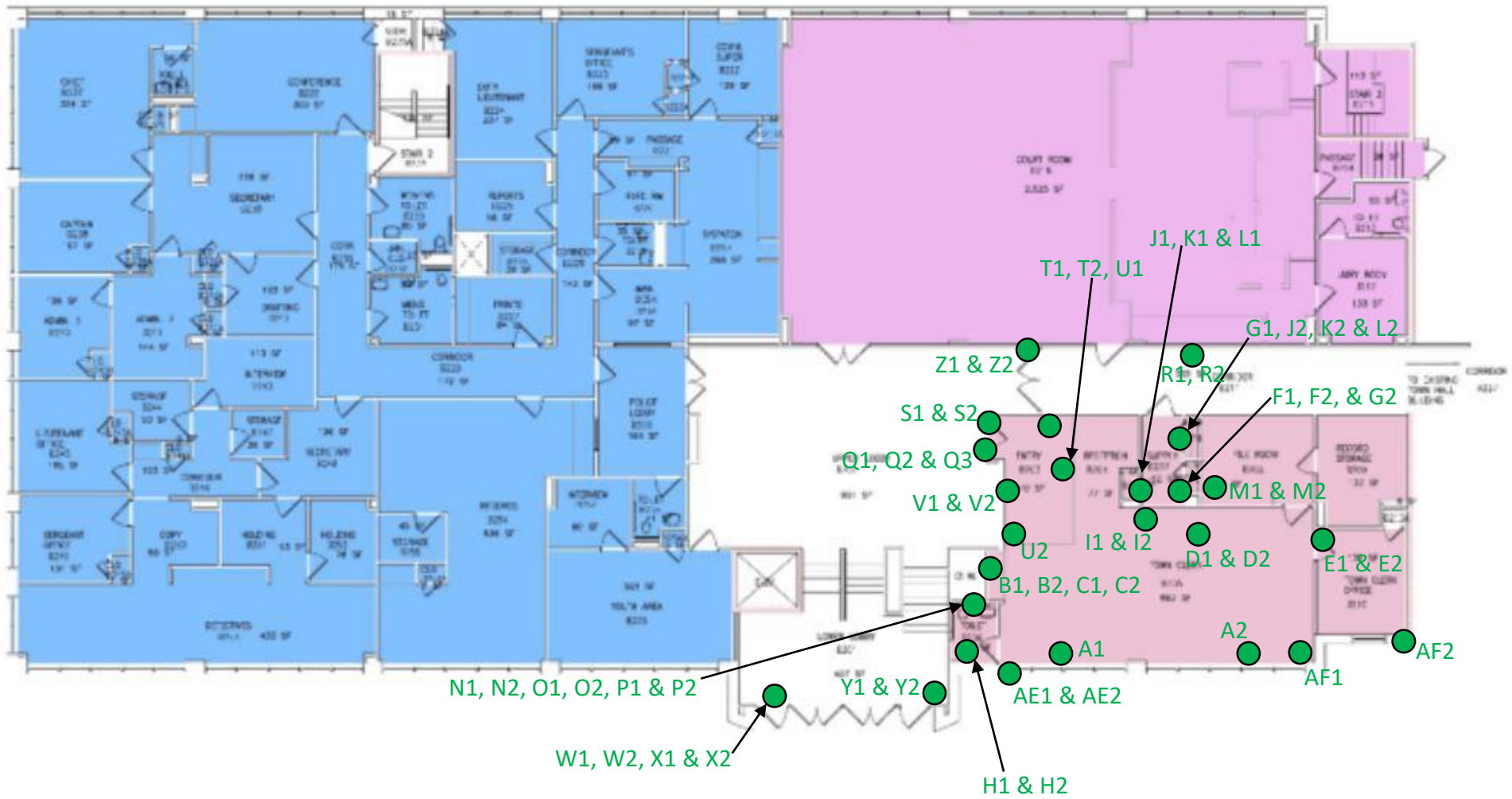
This figure should only be considered in concert with the accompanying document with(in) which it was presented. This figure is subject to all the terms and limitations of the companion document and Tectonic's scope of work.

FIGURES 2A – 2C

EXISTING TOWN HALL

UPPER FLOOR PLANS OF "NEW TOWN HALL / POLICE BUILDING"

BUILDING "B"

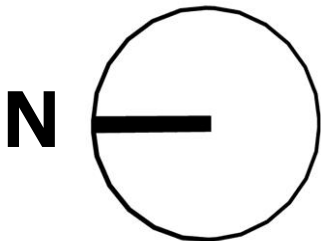


LEGEND



Approximate Bulk Sample Locations (non-ACM)

LEGEND



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Title Figure 2A - Approximate Location of ACM Bulk Samples

Location Orangetown Town Hall 26 West Orangetown Road, Orangetown NY

Client Lothrop Associates

Source Request for Proposals: Architectural and Engineering Services prepared by

The Musial Group Architecture Group dated 2/25/19

Date 9/4/2020

WO#

Drawing No.

Rev.

Scale NTS

10128.01

1 of 1

0

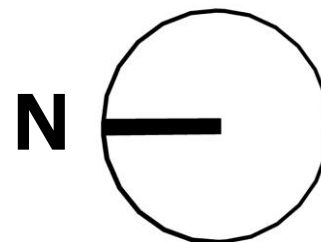
This figure should only be considered in concert with the accompanying document with(in) which it was presented. This figure is subject to all the terms and limitations of the companion document and Tectonic's scope of work.

BUILDING "B"



Approximate Bulk Sample Locations (non-ACM)

LEGEND



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Title	Figure 2B - Approximate Location of ACM Bulk Samples
-------	--

Location	Orangetown Town Hall 26 West Orangeburg Road, Orangeburg NY
----------	---

Client	Lothrop Associates
--------	--------------------

Source	Request for Proposals: Architectural and Engineering Services prepared by The Musial Group Architecture Group dated 2/25/19
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Date	9/4/2020
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NTS	NTS
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WO#	Drawing No.
10128.01	1 of 1

Rev.
0

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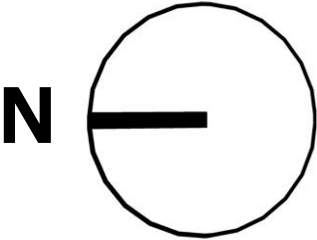
Existing Town Hall
Roof Plan of “New Town Hall / Police Building”




LEGEND

 Approximate Bulk Sample Locations (non-ACM)

LEGEND





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Mountainville, NY 10953

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Title	Figure 2C - Approximate Location of ACM Bulk Samples		
Location	Orangetown Town Hall 26 West Orangeburg Road, Orangeburg NY		
Client	Lothrop Associates		
Source	Request for Proposals: Architechural and Engineering Services prepared by The Musial Group Architecture Group dated 2/25/19		
Date	9/4/2020	WO#	Drawing No.
Scale	NTS	10128.01	1 of 1
			Rev. 0

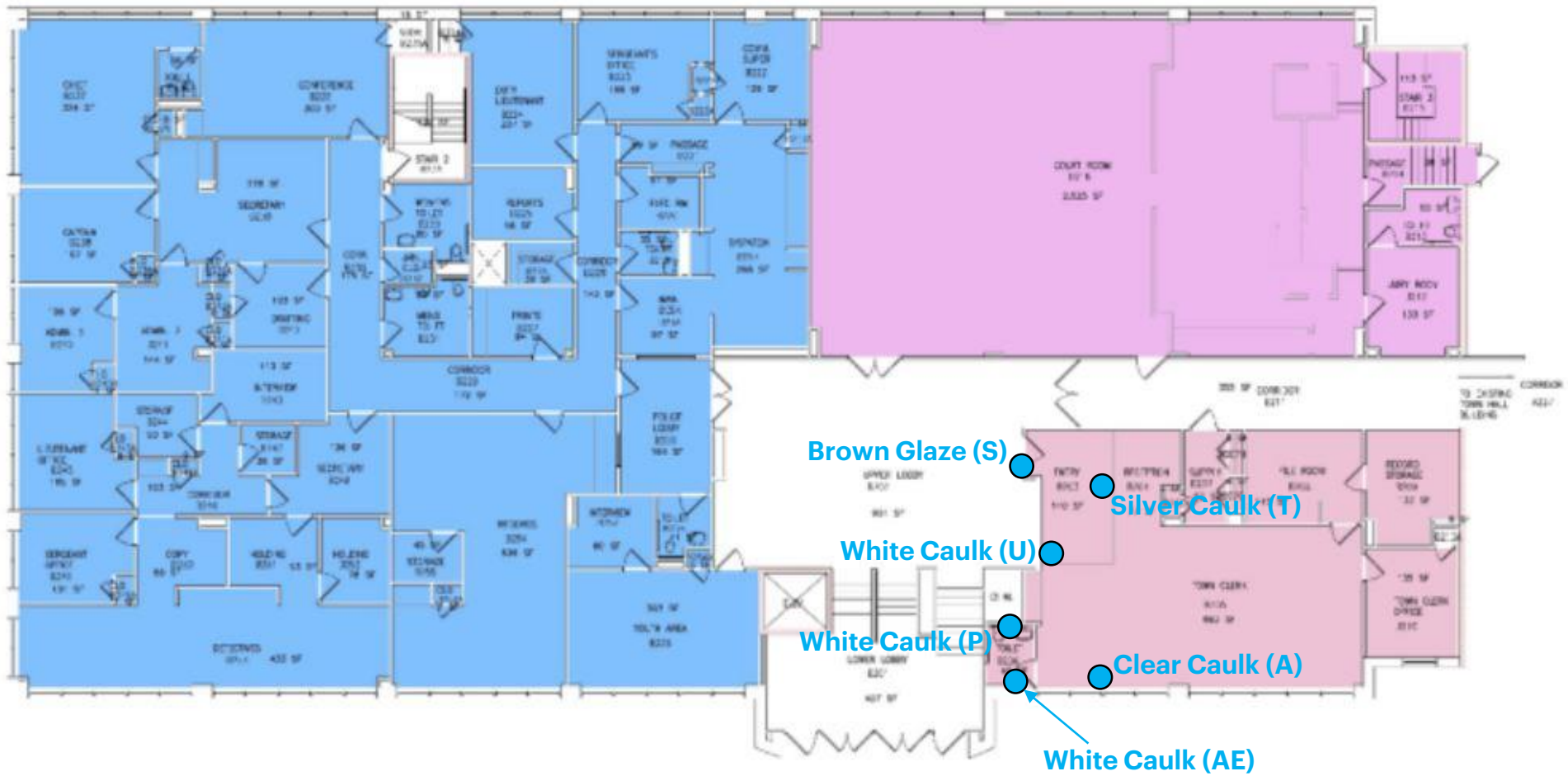
This figure should only be considered in concert with the accompanying document with(in) which it was presented. This figure is subject to all the terms and limitations of the companion document and Tectonic's scope of work.

FIGURES 3A – 3B

EXISTING TOWN HALL

UPPER FLOOR PLANS OF "NEW TOWN HALL / POLICE BUILDING"

BUILDING "B"

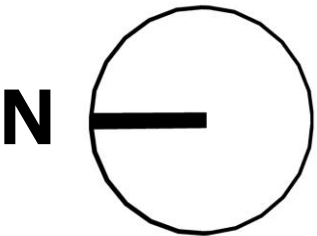


LEGEND



Approximate Location of Bulk Caulk Sample

LEGEND



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Mountainville, NY 10953

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(845) 534-5999 Fax

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Title Figure 3A - Approximate Location of PCB Bulk Samples

Location Orangetown Town Hall 26 West Orangeburg Road, Orangeburg NY

Client Lothrop Associates LLP Architects

Source Request for Proposals: Architectural and Engineering Services prepared by
The Musial Group Architecture Group dated 2/25/19

Date	9/3/2020	WO#		Drawing No.		Rev.	
Scale	NTS	10128.01		1 of 1		0	

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EXISTING TOWN HALL

LOWER FLOOR PLAN OF "NEW TOWN HALL / POLICE BUILDING"

BUILDING "B"

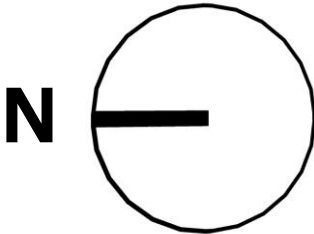


LEGEND



Approximate Location of Bulk Caulk Sample

LEGEND



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Title **Figure 3B - Approximate Location of PCB Bulk Samples**

Location **Orangetown Town Hall 26 West Orangeburg Road, Orangeburg NY**
Client **Lothrop Associates LLP Architects**
Source **Request for Proposals: Architectural and Engineering Services prepared by The Musial Group Architecture Group dated 2/25/19**

Date	9/3/2020	WO#	10128.01	Drawing No.	1 of 1	Rev.	0
Scale	NTS						

This figure should only be considered in concert with the accompanying document with(in) which it was presented. This figure is subject to all the terms and limitations of the companion document and Tectonic's scope of work.

FIGURE 4

UPPER FLOOR PLANS OF "NEW TOWN HALL / POLICE BUILDING"

The floor plan of the 1st floor of the Federal Courthouse is divided into several functional areas:

- Administrative Offices (Blue):** Includes a large central corridor, numerous offices (e.g., 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886

 Fluorescent Ceiling Light Fixture (Non PCB)



LOWER FLOOR PLAN OF "NEW TOWN HALL / POLICE BUILDING"

[illegible]

- Planning
- Engineering
- Surveying
- Construction Management

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Title	Figure 10 - Observed Light Fixtures in New Town Hall / Police Building
-------	--

Location	Orangetown Town Hall 26 West Orangeburg Road, Orangeburg NY
----------	---

Client	Lothrop Associates
Source	Request for Proposal: Architectural and Engineering Services prepared by

The Musial Group Architecture Group dated 2/25/19

Date	9/4/2020	WO#	Drawing No.	Rev.
Scale	NTS	10128.01	1 of 1	0

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APPENDIX I

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Tectonic Engineering Consultants, Geologists & Land
Surveyors, D.P.C.

P.O. Box 37

Mountainville, NY 10953

FILE NUMBER: 15-84235
LICENSE NUMBER: 84235
LICENSE CLASS: FULL
DATE OF ISSUE: 06/23/2020
EXPIRATION DATE: 06/30/2021

Duly Authorized Representative – Peter Sutherland:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Director
For the Commissioner of Labor

N.Y.S.



CERT# 16-02544
DMV# 177561235



01213 005238716 46

IF FOUND RETURN TO:
 NYSDOL - L&C UNIT
 ROOM 161A BUILDING 12
 STATE OFFICE CAMPUS
 ALBANY NY 12240

APPENDIX II

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2021
Issued April 01, 2020

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. JACKIE DARVISH
ATLAS ENVIRONMENTAL LABS CORP
255 W 36TH STREET SUITE #1503
NEW YORK, NY 10018

NY Lab Id No: 11999

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Asbestos-Vermiculite-Containing Material	Item 198.8 of Manual
Lead in Dust Wipes	EPA 7000B
Lead in Paint	EPA 7000B

Sample Preparation Methods

EPA 3050B

Department
of Health

Serial No.: 61667

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

APPENDIX III



Atlas Environmental Lab, Corp.
 255 West 36th Street, Suite# 1503
 New York, NY 10018
 Phone:(212) 563-0400 Fax:(212) 563-0401
 www.atlasenvironmentallab.com

Bulk Asbestos Report by PLM-TEM

Client: Tectonic Engineering
Collected by: Client
Project Name/No.: 10128.01 / Orangetown Town Hall
Project Address: 26 Orangeburg Road, Orangeburg, NY
Work Area: "Newer" Town Hall

Lab ID: BK0820354
Date Received: 8/27/2020
PLM Date Analyzed: 8/28/2020
TEM Date Analyzed: 9/1/2020
Report Date: 9/1/2020

Client ID#	Lab ID#	Description/ Location	Analyst Description	Vermiculite	ORG %	All%	ASI%	PLM			TEM
								Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type
A1	BK0820354-1	Town Clerk Window / Clear Caulk	Clear, Homogeneous, Non-Fibrous	None Detected	80.6	17.9	1.5	0%	100%	NAD Inconclusive	NAD
A2	BK0820354-2	Town Clerk Window / Clear Caulk	Clear, Homogeneous, Non-Fibrous	None Detected	57.5	11.0	31.6	0%	100%	NAD Inconclusive	NAD
B1	BK0820354-3	Town Clerk Floor / Yellow Adhesive To Green Tile	Brown, Homogeneous, Non-Fibrous	None Detected	86.4	4.8	8.8	0%	100%	NAD Inconclusive	NAD
B2	BK0820354-4	Town Clerk Floor / Yellow Adhesive To Green Tile	Brown, Homogeneous, Non-Fibrous	None Detected	86.5	12.0	1.5	0%	100%	NAD Inconclusive	NAD
C1	BK0820354-5	Town Clerk Floor / 12x12 Green Tile	Green, Homogeneous, Non-Fibrous	None Detected	32.8	10.0	57.2	0%	100%	NAD Inconclusive	NAD
C2	BK0820354-6	Town Clerk Floor / 12x12 Green Tile	Green, Homogeneous, Non-Fibrous	None Detected	32.4	19.9	47.7	0%	100%	NAD Inconclusive	NAD
D1	BK0820354-7	Town Clerk Above Ceiling / White Paper To Fiberglass	Silver, Homogeneous, Non-Fibrous	None Detected	56.2	13.1	30.7	0%	100%	NAD Inconclusive	NAD
D2	BK0820354-8	Town Clerk Above Ceiling / White Paper To Fiberglass	Silver, Homogeneous, Non-Fibrous	None Detected	63.0	13.1	23.9	0%	100%	NAD Inconclusive	NAD
E1	BK0820354-9	Town Clerk Above Ceiling / Silver Paper To Fiberglass	Silver, Homogeneous, Non-Fibrous	None Detected	48.6	10.3	41.1	0%	100%	NAD Inconclusive	NAD
E2	BK0820354-10	Town Clerk Above Ceiling / Silver Paper To Fiberglass	Silver, Homogeneous, Non-Fibrous	None Detected	47.3	10.8	41.9	0%	100%	NAD Inconclusive	NAD



Atlas Environmental Lab, Corp.
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 New York, NY 10018
 Phone:(212) 563-0400 Fax:(212) 563-0401
 www.atlasenvironmentallab.com

Bulk Asbestos Report by PLM-TEM

Client: Tectonic Engineering
Collected by: Client
Project Name/No.: 10128.01 / Orangetown Town Hall
Project Address: 26 Orangeburg Road, Orangeburg, NY
Work Area: "Newer" Town Hall

Lab ID: BK0820354
Date Received: 8/27/2020
PLM Date Analyzed: 8/28/2020
TEM Date Analyzed: 9/1/2020
Report Date: 9/1/2020

Client ID#	Lab ID#	Description/ Location	Analyst Description	Vermiculite	ORG %	All%	ASI%	PLM			TEM
								Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type
F1	BK0820354-11	Town Clerk Wall / Tan Adhesive To Cove	Tan, Homogeneous, Non-Fibrous	None Detected	37.0	2.3	60.7	0%	100%	NAD Inconclusive	NAD
F2	BK0820354-12	Town Clerk Wall / Tan Adhesive To Cove	Tan, Homogeneous, Non-Fibrous	None Detected	38.7	6.3	55.0	0%	100%	NAD Inconclusive	NAD
G1	BK0820354-13	Town Clerk Floor / Yellow - Brown Carpet Adhesive	Brown, Homogeneous, Non-Fibrous	None Detected	78.4	5.0	16.6	0%	100%	NAD Inconclusive	NAD
G2	BK0820354-14	Town Clerk Floor / Yellow - Brown Carpet Adhesive	Brown, Homogeneous, Non-Fibrous	None Detected	83.3	7.0	9.7	0%	100%	NAD Inconclusive	NAD
H1	BK0820354-15	Town Clerk Bath Wall / Pink Wallpaper	Pink, Homogeneous, Non-Fibrous	None Detected	76.2	12.3	11.5	0%	100%	NAD Inconclusive	NAD
H2	BK0820354-16	Town Clerk Bath Wall / Pink Wallpaper	Pink, Homogeneous, Non-Fibrous	None Detected	76.0	13.6	10.4	0%	100%	NAD Inconclusive	NAD
I1	BK0820354-17	Town Clerk Ceiling / White 2x2 Ceiling Tile	Grey, Homogeneous, Non-Fibrous	None Detected	23.0	44.9	32.1	0%	100%	NAD Inconclusive	NAD
I2	BK0820354-18	Town Clerk Ceiling / White 2x2 Ceiling Tile	Grey, Homogeneous, Non-Fibrous	None Detected	28.2	23.1	48.6	0%	100%	NAD Inconclusive	NAD
J1	BK0820354-19	Town Clerk Wall / White Joint Compound	White, Homogeneous, Friable	None Detected	Not Applicable			0%	100%	NAD	
J2	BK0820354-20	Town Clerk Wall / White Joint Compound	White, Homogeneous, Friable	None Detected	Not Applicable			0%	100%	NAD	



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Client ID#	Lab ID#	Description/ Location	Analyst Description	Vermiculite	ORG %	All%	ASI%	PLM			TEM
								Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type
K1	BK0820354-21	Town Clerk Wall / Off-White Sheetrock Tape	White, Homogeneous, Friable	None Detected	Not Applicable			95%CELL	5%	NAD	
K2	BK0820354-22	Town Clerk Wall / Off-White Sheetrock Tape	White, Homogeneous, Friable	None Detected	Not Applicable			95%CELL	5%	NAD	
L1	BK0820354-23	Town Clerk Wall / White - Grey Sheetrock Tape	Grey/Brown, Homogeneous, Friable	None Detected	Not Applicable			5%CELL 5%FBGL	90%	NAD	
L2	BK0820354-24	Town Clerk Wall / White - Grey Sheetrock Tape	Grey/Brown, Homogeneous, Friable	None Detected	Not Applicable			5%CELL 5%FBGL	90%	NAD	
M1	BK0820354-25	Town Clerk File Room Floor / 12x12 White Speckled Tile	Beige, Homogeneous, Non-Fibrous	None Detected	17.6	7.1	75.3	0%	100%	NAD Inconclusive	NAD
M2	BK0820354-26	Town Clerk File Room Floor / 12x12 White Speckled Tile	Beige, Homogeneous, Non-Fibrous	None Detected	18.0	7.7	74.3	0%	100%	NAD Inconclusive	NAD
N1	BK0820354-27A	Town Clerk Bath Floor / 2x2 Grey Tile And Dark Grey Mastic	Grey, Homogeneous, Friable	None Detected	Not Applicable			0%	100%	NAD	
N1	BK0820354-27B	Town Clerk Bath Floor / 2x2 Grey Tile And Dark Grey Mastic	Brown, Homogeneous, Non-Fibrous	None Detected	69.9	3.3	26.8	0%	100%	NAD Inconclusive	NAD
N2	BK0820354-28A	Town Clerk Bath Floor / 2x2 Grey Tile And Dark Grey Mastic	Grey, Homogeneous, Friable	None Detected	Not Applicable			0%	100%	NAD	
N2	BK0820354-28B	Town Clerk Bath Floor / 2x2 Grey Tile And Dark Grey Mastic	Brown, Homogeneous, Non-Fibrous	None Detected	8.5	57.1	34.5	0%	100%	NAD Inconclusive	NAD



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Client ID#	Lab ID#	Description/ Location	Analyst Description	Vermiculite	ORG %	All%	ASI%	PLM			TEM
								Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type
01	BK0820354-29	Town Clerk Bath Floor / Grey Mortar To Tile	Grey, Homogeneous, Friable	None Detected	Not Applicable			0%	100%	NAD	
02	BK0820354-30	Town Clerk Bath Floor / Grey Mortar To Tile	Grey, Homogeneous, Friable	None Detected	Not Applicable			0%	100%	NAD	
P1	BK0820354-31	Town Clerk Toilet / White Caulk	White, Homogeneous, Non-Fibrous	None Detected	30.3	3.6	66.1	0%	100%	NAD Inconclusive	NAD
P2	BK0820354-32	Town Clerk Toilet / White Caulk	White, Homogeneous, Non-Fibrous	None Detected	30.5	7.0	62.5	0%	100%	NAD Inconclusive	NAD
Q1	BK0820354-33	Lobby Ceiling / White Textured Ceiling	White, Homogeneous, Friable	Present	Must be Analyzed by Method 198.8						
Q2	BK0820354-34	Lobby Ceiling / White Textured Ceiling	White, Homogeneous, Friable	Present	Must be Analyzed by Method 198.8						
R1	BK0820354-35	Hallway Floor / Yellow - Brown Carpet Adhesive	Brown, Homogeneous, Non-Fibrous	None Detected	50.7	23.2	26.2	0%	100%	NAD Inconclusive	NAD
R2	BK0820354-36	Hallway Floor / Yellow - Brown Carpet Adhesive	Brown, Homogeneous, Non-Fibrous	None Detected	49.0	22.3	28.7	0%	100%	NAD Inconclusive	NAD
S1	BK0820354-37	Town Clerk Interior Window / Brown Window Glaze	Black, Homogeneous, Non-Fibrous	None Detected	71.0	23.1	6.0	0%	100%	NAD Inconclusive	NAD
S2	BK0820354-38	Town Clerk Interior Window / Brown Window Glaze	Black, Homogeneous, Non-Fibrous	None Detected	68.1	16.1	15.8	0%	100%	NAD Inconclusive	NAD



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Client ID#	Lab ID#	Description/ Location	Analyst Description	Vermiculite	ORG %	All%	ASI%	PLM			TEM
								Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type
T1	BK0820354-39	Town Clerk Teller Window / Silver Caulk	Silver, Homogeneous, Non-Fibrous	None Detected	64.8	28.3	6.8	0%	100%	NAD Inconclusive	NAD
T2	BK0820354-40	Town Clerk Teller Window / Silver Caulk	Silver, Homogeneous, Non-Fibrous	None Detected	68.8	28.1	3.2	0%	100%	NAD Inconclusive	NAD
U1	BK0820354-41	Town Clerk Teller Window / White Caulk	White, Homogeneous, Non-Fibrous	None Detected	27.7	3.6	68.7	0%	100%	NAD Inconclusive	NAD
U2	BK0820354-42	Town Clerk Teller Window / White Caulk	White, Homogeneous, Non-Fibrous	None Detected	26.5	25.3	48.3	0%	100%	NAD Inconclusive	NAD
V1	BK0820354-43	Town Clerk Reception Wall / Grey - White Adhesive	Grey, Homogeneous, Non-Fibrous	None Detected	33.7	39.1	27.2	0%	100%	NAD Inconclusive	NAD
V2	BK0820354-44	Town Clerk Reception Wall / Grey - White Adhesive	Grey, Homogeneous, Non-Fibrous	None Detected	32.7	27.4	39.9	0%	100%	NAD Inconclusive	NAD
W1	BK0820354-45	Lower Lobby Floor / 12x12 Red Ceramic Tile	Red, Homogeneous, Friable	None Detected	Not Applicable			0%	100%	NAD	
W2	BK0820354-46	Lower Lobby Floor / 12x12 Red Ceramic Tile	Red, Homogeneous, Friable	None Detected	Not Applicable			0%	100%	NAD	
X1	BK0820354-47	Lower Lobby Floor / Grey Mastic To Tile	Grey, Homogeneous, Friable	None Detected	Not Applicable			0%	100%	NAD	
X2	BK0820354-48	Lower Lobby Floor / Grey Mastic To Tile	Grey, Homogeneous, Friable	None Detected	Not Applicable			0%	100%	NAD	



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Client ID#	Lab ID#	Description/ Location	Analyst Description	Vermiculite	ORG %	All%	ASI%	PLM			TEM
								Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type
Y1	BK0820354-49	Lower Lobby Floor / Grey Mortar To Tile	Grey, Homogeneous, Friable	None Detected	Not Applicable			0%	100%	NAD	
Y2	BK0820354-50	Lower Lobby Floor / Grey Mortar To Tile	Grey, Homogeneous, Friable	None Detected	Not Applicable			0%	100%	NAD	
Z1	BK0820354-51A	Upper Lobby Wall / 12x12 White & Yellow Mastic Ceramic Tile	White, Homogeneous, Friable	None Detected	Not Applicable			0%	100%	NAD	
Z1	BK0820354-51B	Upper Lobby Wall / 12x12 White & Yellow Mastic Ceramic Tile	Brown, Homogeneous, Non-Fibrous	None Detected	25.4	10.1	64.5	0%	100%	NAD Inconclusive	NAD
Z2	BK0820354-52A	Upper Lobby Wall / 12x12 White & Yellow Mastic Ceramic Tile	White, Homogeneous, Friable	None Detected	Not Applicable			0%	100%	NAD	
Z2	BK0820354-52B	Upper Lobby Wall / 12x12 White & Yellow Mastic Ceramic Tile	Brown, Homogeneous, Non-Fibrous	None Detected	29.2	4.8	66.0	0%	100%	NAD Inconclusive	NAD
AA1	BK0820354-53	Downstairs Corridor Wall / White Mortar To Tile	White, Homogeneous, Friable	None Detected	Not Applicable			0%	100%	NAD	
AA2	BK0820354-54	Downstairs Corridor Wall / White Mortar To Tile	White, Homogeneous, Friable	None Detected	Not Applicable			0%	100%	NAD	
AB1	BK0820354-55	Downstairs Corridor Wall / White Caulk Above Tile	White, Homogeneous, Non-Fibrous	None Detected	61.6	30.9	7.6	0%	100%	NAD Inconclusive	NAD
AB2	BK0820354-56	Downstairs Corridor Wall / White Caulk Above Tile	White, Homogeneous, Non-Fibrous	None Detected	45.2	45.4	9.5	0%	100%	NAD Inconclusive	NAD



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Client ID#	Lab ID#	Description/ Location	Analyst Description	Vermiculite	ORG %	All%	ASI%	PLM			TEM
								Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type
AC1	BK0820354-57	Downstairs Vestibule / 12x12 Pink Speckled Tile	Pink, Homogeneous, Non-Fibrous	None Detected	8.9	8.3	82.8	0%	100%	NAD Inconclusive	NAD
AC2	BK0820354-58	Downstairs Vestibule / 12x12 Pink Speckled Tile	Pink, Homogeneous, Non-Fibrous	None Detected	17.9	6.0	76.0	0%	100%	NAD Inconclusive	NAD
AD1	BK0820354-59	Downstairs Vestibule / Black Mastic	Black, Homogeneous, Non-Fibrous	None Detected	80.4	10.6	9.0	0%	~99%	Trace (<1%)CHRY Inconclusive	0.5%CHRY
AD2	BK0820354-60	Downstairs Vestibule / Black Mastic	Black, Homogeneous, Non-Fibrous	None Detected	82.9	11.5	5.6	0%	~99%	Trace (<1%)CHRY Inconclusive	0.6%CHRY
AE1	BK0820354-61	Exterior Front Elevation / White Caulk	White, Homogeneous, Non-Fibrous	None Detected	27.6	3.8	68.7	0%	100%	NAD Inconclusive	NAD
AE2	BK0820354-62	Exterior Front Elevation / White Caulk	White, Homogeneous, Non-Fibrous	None Detected	27.0	3.5	69.5	0%	100%	NAD Inconclusive	NAD
AF1	BK0820354-63	Exterior Front Elevation / White - Grey Concrete	White, Homogeneous, Friable	None Detected	Not Applicable			0%	100%	NAD	
AF2	BK0820354-64	Exterior Front Elevation / White - Grey Concrete	White, Homogeneous, Friable	None Detected	Not Applicable			0%	100%	NAD	
AG1	BK0820354-65	Roof / Black Fabric Under Rock	Black, Homogeneous, Friable	None Detected	Not Applicable			95%SYNTHETIC	5%	NAD	
AG2	BK0820354-66	Roof / Black Fabric Under Rock	Black, Homogeneous, Friable	None Detected	Not Applicable			95%SYNTHETIC	5%	NAD	



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Client ID#	Lab ID#	Description/ Location	Analyst Description	Vermiculite	ORG %	All%	ASI%	PLM			TEM
								Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type
AH1	BK0820354-67	Roof / Black Rubber Layer	Black, Homogeneous, Non-Fibrous	None Detected	64.7	18.5	16.8	0%	100%	NAD Inconclusive	NAD
AH2	BK0820354-68	Roof / Black Rubber Layer	Black, Homogeneous, Non-Fibrous	None Detected	63.6	22.0	14.4	0%	100%	NAD Inconclusive	NAD
AI1	BK0820354-69	Roof / Brown Bottom Layer	Brown, Homogeneous, Friable	None Detected	Not Applicable			70%CELL 5%WOOD 10%FOAM	15%	NAD	
AI2	BK0820354-70	Roof / Brown Bottom Layer	Brown, Homogeneous, Friable	None Detected	Not Applicable			70%CELL 5%WOOD 10%FOAM	15%	NAD	

***"Sprayed on Fireproofing & Surfacing Material containing any Vermiculite (SOF-V) (SM-V) must be analyzed by Item 198.8"

Quantitative Analysis (Semi/Full):Bulk Asbestos Analysis-PLM by EPA 600/M4-82-020 per 40 CFR or ELAP198.1 (friable) and 198.6 (NOB) samples for New York.

NAD=no asbestos detected, NA/PS=Not Analyzed/Positive Stop, Trace=<1%,FBGL=Fiberglass, CELL=Cellulose,CHRY=Chrysotile,Amo=Amosite,CRO=Crocidolite,ANTH=Anthophyllite, TRE=Tremolite, ACT=Actinolite, NA=not applicable.

PLM is not consistently reliable in detecting Asbestos in floor coverings and similar non friable organically bound materials. NAD or Trace results by PLM are inconclusive.

TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos containing in NY State.

All samples were prepared and analyzed in accordance with the EPA "TEM Method for Identifying and Quantifying Asbestos in Non-Fibrous Organically Bound Bulk Samples" ELAP 198.4".

ORG%=Ashed Organic%, All= Acid Insoluble Inorganic%, ASI= Acid Soluble Inorganic%

This "Summary of Analytical Results "shall not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, ELAP or any agency of the U.S Government. The results relate only to the items tested. This report may not be reproduced, except in full, without the written approval of AEL .Atlas Environmental lab did not collect the analyzed samples and thus accepts no liability with regard to their collection and/or maintenance . AEL relies on client's data. The liability of Atlas Environmental Lab corp with respect to the services charged, shall in no event exceed the amount of the invoice.

NYS-ELAP#11999, NVLAP Lab Code: 500092-0, NJ ID: NY034, PA ID: 68-05662, CT Reg. ID: PH-0154

PLM Analyst: AS

TEM Analyst: VR

Approved by:



BK0820354

p. 1 of 5

Atlas Environmental Lab, Corp
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New York, NY 10018

Phone:(212) 563-0400 Fax:(212) 563-0401

BULK Material for Asbestos, Chain of Custody

Client Tectonic
Address 70 Pleasant Hill Road
Mountainville, New York 10953

Contact Name Kristine Garbarino
Phone Number 845-534-5459
Email KGarbarino@tectonicengineering.com

Project Name & No. 10128.01
Project Location Orangeburg Town Hall
26 Orangeburg Rd., Orangeburg, NY
Work Area "Newer" Town Hall

Analysis Requested: ☒ PLM, ☒ PLM-NOB, ☒ TEM-NOB, ☒ Stop on 1st positive per homogeneous material, ☐ SOF/SM-V (198.8)

Turn Around Time: ☐ Same Day ☐ 24 Hrs. ☐ 48 Hrs. ☐ 72 Hrs. ☒ 5 - DAY

If Vermiculite present, proceed to Method 198.8: _____ TAT: _____

Field ID	AEL Lab ID	Location/Description	Friable/ Non Friable	Homogenous Area	Accept Sample Yes/No
A1	1	Town Clerk Window / Clear Caulk	NF	A	
A2	2	" "	"	"	
B1	3	Town Clerk Floor / yellow Adhesive to Green Tile	NF	B	
B2	4	" "	"	"	
C1	5	" / 12x12 Green Tile	NF	C	
C2	6	" "	"	"	
D1	7	Town Clerk Above Ceiling / white Paper to Fiberglass	NF	D	
D2	8	" "	"	"	
E1	9	" / silver Paper to Fiberglass	NF	E	
E2	10	" "	"	"	
F1	11	Town Clerk Floor Wall / Tan Adhesive to Core	NF	F	
F2	12	" "	"	"	
G1	13	Town Clerk Floor / yellow-brown Carpet Adhesive	NF	G	
G2	14	" "	"	"	
Sampled By: <u>Chris Callinan</u>		Signature: <u>[Signature]</u>	Date: <u>8/25/2020</u>	Time: <u>1430</u>	
Relinquished By: <u>Chris Callinan</u>		Signature: <u>[Signature]</u>	Date: <u>8/26/2020</u>	Time: <u>1336 1500</u>	
Received By: <u>Tiffany G.</u>		Signature: <u>[Signature]</u>	Date: <u>8/27/20</u>	Time: <u>16:30</u>	
Analyst: <u>[Signature]</u>		Signature: <u>[Signature]</u>	Date: <u>08/01/20</u>	Time: _____	



BK0820354

p. 2 of 5

Atlas Environmental Lab, Corp
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New York, NY 10018

Phone:(212) 563-0400 Fax:(212) 563-0401

BULK Material for Asbestos, Chain of Custody

Client Tectonic
Address 70 Pleasant Hill Road
Mountainville, New York 10953

Contact Name Kristine Garbarino
Phone Number 845-534-5959
Email KGarbarino@tectoniceengineering.com

Project Name & No. 10128.01
Project Location Orangeburg Town Hall
260 Orangeburg Rd., Orangeburg, NY
Work Area "New Town Hall"

Analysis Requested: ☒ PLM, ☒ PLM-NOB, ☒ TEM-NOB, ☒ Stop on 1st positive per homogeneous material, ☐ SOF/SM-V (198.8)

Turn Around Time: ☐ Same Day ☐ 24 Hrs. ☐ 48 Hrs. ☐ 72 Hrs. ☒ 5 - DAY

If Vermiculite present, proceed to Method 198.8: _____ TAT: _____

Field ID	AEL Lab ID	Location/Description	Friable/ Non Friable	Homogenous Area	Accept Sample Yes/No
H1	15	Town Clerk Bath Wall / Pink Wallpaper	NF	H	
H2	16	" "	"	"	
I1	17	Town Clerk Ceiling / White 2x2 Ceiling Tile	NF	I	
I2	18	" "	"	"	
J1	19	Town Clerk Wall / White Joint Compound	NF	J	
J2	20	" "	"	"	
K1	21	" Off-White Sheetrock Tape	NF	K	
K2	22	" "	"	"	
L1	23	" White - Grey Sheetrock	NF	L	
L2	24	" "	"	"	
M1	25	Town Clerk File Room Floor / 12x12 White Speckled Tile	NF	M	
M2	26	" "	"	"	
N1	27	Town Clerk Bath Floor / 2x2 ^A Grey Tile and ^B Dark Grey Mastic	NF	N	
N2	28	" "	"	"	
Sampled By: <u>Chris Callinan</u>		Signature: <u>[Signature]</u>	Date: <u>8/25/2020</u>	Time: <u>1430</u>	
Relinquished By: <u>Chris Callinan</u>		Signature: <u>[Signature]</u>	Date: <u>8/26/2020</u>	Time: <u>1500</u>	
Received By: <u>T. Plaut C.</u>		Signature: <u>[Signature]</u>	Date: <u>8/27/20</u>	Time: <u>10:30</u>	
Analyst: <u>[Signature]</u>		Signature: <u>[Signature]</u>	Date: <u>08/01/20</u>	Time: _____	



BK0820354

p. 3 of 5

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BULK Material for Asbestos, Chain of Custody

Client Tectonic
Address 70 Pleasant Hill Road
Mountainville, New York 10953

Contact Name Kristine Garbarino
Phone Number 845-534-5959
Email KGarbarino@tectoniceengineering.com

Project Name & No. 10128.01
Project Location Orangeburg Town Hall
26 Orangeburg Rd., Orangeburg, NY
Work Area "Newer" Town Hall

Analysis Requested: ☒ PLM, ☒ PLM-NOB, ☒ TEM-NOB, ☒ Stop on 1st positive per homogeneous material, ☐ SOF/SM-V (198.8)

Turn Around Time: ☐ Same Day ☐ 24 Hrs. ☐ 48 Hrs. ☐ 72 Hrs. ☒ 5 - DAY

If Vermiculite present, proceed to Method 198.8: _____ TAT: _____

Field ID	AEL Lab ID	Location/Description	Friable/ Non Friable	Homogenous Area	Accept Sample Yes/No
01	29	Town Clerk Bath Floor / Gray Mortar to Tile	NF	O	
02	30	" / "	"	"	
P1	31	Town Clerk Toilet / White Caulk	NF	P	
P2	32	" / "	"	"	
Q1	33	Lobby Ceiling / White Textured Ceiling	NF	Q	
Q2	34	" / "	"	"	
R1	35	Hallway Floor / Yellow-Brown Carpet Adhesive	NF	R	
R2	36	" / "	"	"	
S1	37	Town Clerk Interior Window / Brown Window Glaze	NF	S	
S2	38	" / "	"	"	
T1	39	Town Clerk Teller Window / Silver Caulk	NF	T	
T2	40	" / "	"	"	
U1	41	" / White Caulk	NF	U	
U2	42	" / "	"	"	
Sampled By: <u>Chris Callinan</u>		Signature: <u>[Signature]</u>	Date: <u>8/25/2020</u>	Time: <u>1430</u>	
Relinquished By: <u>Chris Callinan</u>		Signature: <u>[Signature]</u>	Date: <u>8/26/2020</u>	Time: <u>1500</u>	
Received By: <u>Tiffany</u>		Signature: <u>[Signature]</u>	Date: <u>8/27/20</u>	Time: <u>10:30</u>	
Analyst: <u>[Signature]</u>		Signature: <u>[Signature]</u>	Date: <u>09/01/20</u>	Time: _____	



p. 4 of 5

BK0820354

Atlas Environmental Lab, Corp
255 West 36th Street, Suite# 1503
New York, NY 10018

Phone:(212) 563-0400 Fax:(212) 563-0401

BULK Material for Asbestos, Chain of Custody

Client Tectonic
Address 70 Pleasant Hill Road
Mountainville, New York 10953

Contact Name Kristine Garbarino
Phone Number 845-534-5959
Email KGarbarino@tectoniceengineering.com

Project Name & No. 10128.01
Project Location Orangeburg Town Hall
26 Orangeburg Rd., Orangeburg, NY
Work Area "Newer" Town Hall

Analysis Requested: ☒ PLM, ☒ PLM-NOB, ☒ TEM-NOB, ☒ Stop on 1st positive per homogeneous material, _____ SOF/SM-V (198.8) _____

Turn Around Time: ☐ Same Day ☐ 24 Hrs. ☐ 48 Hrs. ☐ 72 Hrs. ☒ 5-DAY

If Vermiculite present, proceed to Method 198.8: _____ TAT: _____

Field ID	AEL Lab ID	Location/Description	Friable/ Non Friable	Homogenous Area	Accept Sample Yes/No
V1	43	Town Clerk Reception Wall / Grey - White Adhesive	NF	V	
V2	44	" "	"	"	
W1	45	Lower Lobby Floor / 12x12 Red Ceramic Tile	NF	W	
W2	46	" "	"	"	
X1	47	" Grey Mastic to Tile	NF	X	
X2	48	" "	"	"	
Y1	49	" Grey Mortar to Tile	NF	Y	
Y2	50	" "	"	"	
Z1	51	Upper Lobby Wall / 12x12 white Ceramic Tile	NF	Z	
Z2	52	" Yellow Mastic	"	"	
AA1	53	Downstairs Corridor Wall / white Mortar to Tile	NF	AA	
AA2	54	" "	"	"	
AB1	55	" White Caulk Above Tile	NF	AB	
AB2	56	" "	"	"	
Sampled By: <u>Chris Callinan</u>		Signature: <u>[Signature]</u>	Date: <u>8/25/2020</u>	Time: <u>14:00</u>	
Relinquished By: <u>Chris Callinan</u>		Signature: <u>[Signature]</u>	Date: <u>8/26/2020</u>	Time: <u>15:00</u>	
Received By: <u>[Signature]</u>		Signature: <u>[Signature]</u>	Date: <u>8/29/20</u>	Time: <u>10:30</u>	
Analyst: <u>[Signature]</u>		Signature: <u>[Signature]</u>	Date: <u>8/1/20</u>	Time: _____	



BK0820354

P. 5 of 5

Atlas Environmental Lab, Corp
255 West 36th Street, Suite# 1503
New York, NY 10018

Phone:(212) 563-0400 Fax:(212) 563-0401

BULK Material for Asbestos, Chain of Custody

Client Tectonic
Address 70 Pleasant Hill Road
Mountainville, New York 10953

Contact Name Kristine Garbarino
Phone Number 845-534-5959
Email KGarbarino@tectonicengineering.com

Project Name & No. 10128.01
Project Location Orangeburg Town Hall
260 Orangeburg Rd., Orangeburg, NY
Work Area "Newer" Town Hall

Analysis Requested: ☒ PLM, ☒ PLM-NOB, ☒ TEM-NOB, ☒ Stop on 1st positive per homogeneous material, ☐ SOF/SM-V (198.8)

Turn Around Time: ☐ Same Day ☐ 24 Hrs. ☐ 48 Hrs. ☐ 72 Hrs. ☒ 5 - DAY

If Vermiculite present, proceed to Method 198.8: _____ TAT: _____

Field ID	AEL Lab ID	Location/Description	Friable/ Non Friable	Homogenous Area	Accept Sample Yes/No
AC1	57	Downstairs Vestibule / 12x12 Pink Speckled Tile	NF	AC	
AC2	58	" "	"	"	
AD1	59	" / Black Mastic	NF	AD	
AD2	60	" "	"	"	
AE1	61	Exterior Front Elevation / White Caulk	NF	AE	
AE2	62	" "	"	"	
AF1	63	" / White - Grey Concrete	NF	AF	
AF2	64	" "	"	"	
AG1	65	Roof / Black Fabric Under Rock	NF	AG	
AG2	66	" "	"	"	
AH1	67	" / Black Rubber Layer	NF	AH	
AH2	68	" "	"	"	
AI1	69	" / Brown Bottom Layer	NF	AI	
AI2	70	" "	"	"	
Sampled By: <u>Chris Callinan</u>		Signature: <u>[Signature]</u>	Date: <u>8/25/2020</u>	Time: <u>1430</u>	
Relinquished By: <u>Chris Callinan</u>		Signature: <u>[Signature]</u>	Date: <u>8/26/2020</u>	Time: <u>1500</u>	
Received By: <u>T. [Signature]</u>		Signature: <u>[Signature]</u>	Date: <u>8/27/20</u>	Time: <u>10:30</u>	
Analyst: <u>[Signature]</u>		Signature: <u>[Signature]</u>	Date: <u>09/01/20</u>	Time: _____	



Atlas Environmental Lab, Corp.
255 West 36th Street, Suite# 1503
New York, NY 10018
Phone:(212) 563-0400 Fax:(212) 563-0401
www.atlasenvironmentallab.com

Bulk Asbestos Report by PLM-TEM

Client: Tectonic Engineering
Collected by: Client
Project Name/No.: 10128.01 / Orangetown Town Hall
Project Address: 26 Orangeburg Rd., Orangeburg, NY
Work Area: "Newer" Town Hall

Lab ID: BK0920072
Date Received: 9/8/2020
PLM Date Analyzed: 9/8/2020
TEM Date Analyzed:
Report Date: 9/9/2020

Client ID#	Lab ID#	Description/ Location	Analyst Description	Vermiculite	ORG%	All%	ASI%	PLM			TEM
								Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type
Q1	BK0920072-1	Lobby Ceiling / White Textured Ceiling	Yellow, Homogeneous, Friable	Present	Must be Analyzed by Method 198.8						
Q2	BK0920072-2	Lobby Ceiling / White Textured Ceiling	Yellow, Homogeneous, Friable	Present	Must be Analyzed by Method 198.8						
Q3	BK0920072-3	Lobby Ceiling / White Textured Ceiling	Yellow, Homogeneous, Friable	Present	Must be Analyzed by Method 198.8						

***Sprayed on Fireproofing & Surfacing Material containing any Vermiculite (SOF-V) (SM-V) must be analyzed by Item 198.8"

MG

Quantitative Analysis (Semi/Full):Bulk Asbestos Analysis-PLM by EPA 600/M4-82-020 per 40 CFR or ELAP198.1 (friable) and 198.6 (NOB) samples for New York.

NAD=no asbestos detected, NA/PS=Not Analyzed/Positive Stop, Trace=<1%,FBGL=Fiberglass, CELL=Cellulose,CHRY=Chrysotile,Amo=Amosite,CRO=Crocidolite,ANTH=Anthophyllite, TRE=Tremolite, ACT=Actinolite, NA=not applicable.

PLM is not consistently reliable in detecting Asbestos in floor coverings and similar non friable organically bound materials. NAD or Trace results by PLM are inconclusive.

TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos containing in NY State.

All samples were prepared and analyzed in accordance with the EPA "TEM Method for Identifying and Quantifying Asbestos in Non-Fibrous Organically Bound Bulk Samples" ELAP 198.4".

ORG%=Ashed Organic%, All= Acid Insoluble Inorganic%, ASI= Acid Soluble Inorganic%

This "Summary of Analytical Results "shall not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, ELAP or any agency of the U.S Government. The results relate only to the items tested. This report may not be reproduced, except in full, without the written approval of AEL .Atlas Environmental lab did not collect the analyzed samples and thus accepts no liability with regard to their collection and/or maintenance . AEL relies on client's data. The liability of Atlas Environmental Lab corp with respect to the services charged, shall in no event exceed the amount of the invoice.

NYS-ELAP#11999, NVLAP Lab Code: 500092-0, NJ ID: NY034, PA ID: 68-05662, CT Reg. ID: PH-0154

PLM Analyst: DK

TEM Analyst:

Approved by:



BK0920072

Atlas Environmental Lab, Corp
255 West 36th Street, Suite# 1503
New York, NY 10018

Phone:(212) 563-0400 Fax:(212) 563-0401

BULK Material for Asbestos, Chain of Custody

Client Tectonic
Address 70 Pleasant Hill Road
Mountainville, New York 10953

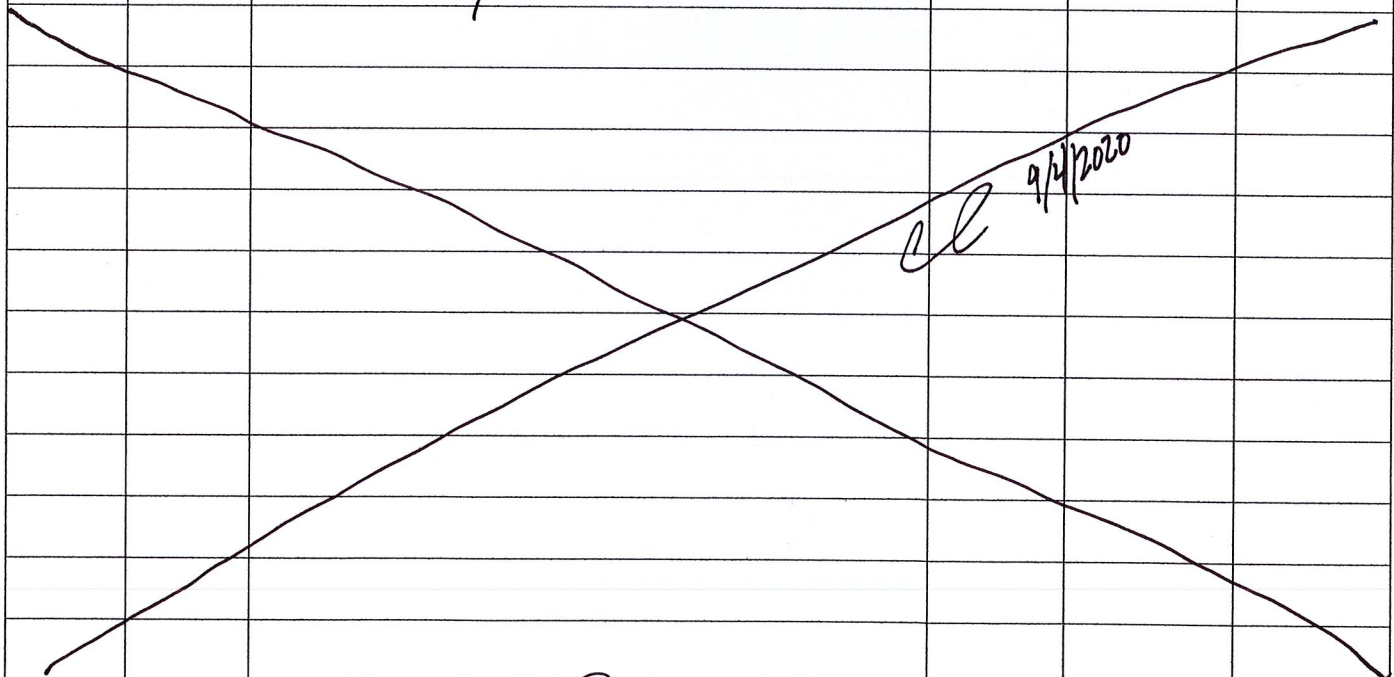
Contact Name Kristine Garbarino
Phone Number 845-534-5959
Email KGarbarino@tectonicengineering.com

Project Name & No. 10128.01
Project Location Orangetown Town Hall
26 Orangeburg Rd., Orangeburg, NY
Work Area "Newer" Town Hall

Analysis Requested: ☒ PLM, ☒ PLM-NOB, ☒ TEM-NOB, ☒ Stop on 1st positive per homogeneous material, ☐ SOF/SM-V (198.8)

Turn Around Time: ☐ Same Day ☐ 24 Hrs. ☐ 48 Hrs. ☐ 72 Hrs. ☒ 5 - DAY

If Vermiculite present, proceed to Method 198.8: ☒ TAT: 2 week

Field ID	AEL Lab ID	Location/Description	Friable/Non Friable	Homogenous Area	Accept Sample Yes/No
Q1		Lobby Ceiling / White Textured Ceiling	F	Q	
Q2		" "	"	"	
Q3		" "	"	"	
 CL 9/4/2020					
Sampled By: <u>Chris Callinan</u>		Signature: <u>[Signature]</u>	Date: <u>9/4/2020</u>	Time: <u>0800</u>	
Relinquished By: <u>Chris Callinan</u>		Signature: <u>[Signature]</u>	Date: <u>9/4/2020</u>	Time: <u>1400</u>	
Received By: <u>Jelaine Fong</u>		Signature: <u>[Signature]</u>	Date: <u>9/8/2020</u>	Time: <u>10:45am</u>	
Analyst: <u>D. Kojan</u>		Signature: <u>[Signature]</u>	Date: <u>09/08/2020</u>	Time: <u>2:21:20</u>	



Atlas Environmental Lab, Corp.
 255 West 36th Street, Suite# 1503
 New York, NY 10018
 Phone:(212) 563-0400 Fax:(212) 563-0401
 www.atlasenvironmentallab.com

Analysis of Asbestos in SOF/SM-V Report

Client: Tectonic
Collected by: Client
Project Name: 10128.01
Project Address: Orangetown Town Hall, 26 Orangeburg Rd., Orangeburg, NY
Work Area "Newer" Town Hall

Lab ID: VM0920008
Date Collected: 9/4/2020
Date Received: 9/9/2020
Date Analyzed: 9/11/2020
Report Date: 9/11/2020

Client ID#	Lab ID#	Location/ Description	Analyst Description	Vermiculite	Non Fibrous Material%	Fibrous Non Asbestos%	Chrysotile%	Amphibole %	Total Asbestos Content%
Q1	VM0920008-1	Lobby Ceiling / White Textured Ceiling	Tan, Homogeneous, Fibrous	Present	100%	0	No Chrysotile Detected	No Amphibole Detected	No Asbestos Detected
Q2	VM0920008-2	Lobby Ceiling / White Textured Ceiling	Tan, Homogeneous, Fibrous	Present	100%	0	No Chrysotile Detected	No Amphibole Detected	No Asbestos Detected
Q3	VM0920008-3	Lobby Ceiling / White Textured Ceiling	Tan, Homogeneous, Fibrous	Present	100%	0	No Chrysotile Detected	No Amphibole Detected	No Asbestos Detected

***Sprayed on Fireproofing containing any Vermiculite (SOF-V) analyzed by NYS ELAP Item 198.8"

All detail data including weight calculation and analysis are attached.

The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of AEL corp.
 This report may not be used to claim product endorsement by NVLAP, ELAP or any other agency of the U.S Government.

NYS-ELAP#11999,

Analyzed by: AS

Approved by:



Determination of Asbestos in SOF/SM-V by ELAP (198.8)

AEL Sample ID #: VM0920008-1

Stereobinocular Microscopy:

Color: Tan Homogeneity: Good
 Texture: Friable Probable Fibers: None

By: AS

INITIAL WEIGHTS		Unit(gm)						
Weight of Crucible	16.6623	Non-Asbestos Fiber		Optical Property		Visual %	Calc%	
Weight of Crucible + Sub-Sample	19.5813							
Weight of Sub-Sample	2.919							
ASHING								
Weight of Crucible + Ash	19.2877	Chrysotile Identification Optical Properties						
Weight of Ash	2.6254	Morphology	RI		Sign of Elongation	Pleochr oism	Birefringe nce	Extinction
Weight Loss During Ashing	0.2936		τ					
Weight Percent Organic and Water	10.0582							
ACID TREATMENT/FLOTATION								
Weight of Dish for Floats	5.9545							
Weight of Dish + Floats	5.9608							
Weight of Floats	0.0063	Amphibole Identification Optical Properties						
Weight Percent Floats	0.2158	Morphology	RI		Sign of Elongation	Pleochr oism		Extinction
Weight of Dish + Filter for Residue	5.8376		τ					
Weight of Dish + Filter + Residue	6.8392							
Weight of Residue	1.0016							
Weight Loss During Acid Treatment	1.6175							
Weight Percent Acid-Soluble Materials	55.4128							
Weight Percent Residue	34.3131							
PLM EXAMINATION OF RESIDUE		Chrysotile Point Counts (Chrysotile/Other)						
Point Count: Number of Occupied Points	400	Slide 1:	0	50	Slide 5:	0	50	
Number of Chrysotile Points	0	Slide 2:	0	50	Slide 6:	0	50	
PERCENT CHRYSOTILE IN SAMPLE		Slide 3:	0	50	Slide 7:	0	50	
	0.0000	Slide 4:	0	50	Slide 8:	0	50	
HEAVY LIQUID CENTRIFUGATION								
Weight of Dish + Filter + Balance of Residue	6.8386							
Weight of Balance of Residue	1.001							
Weight of Dish + Filter for Centrifugate	6.6785							
Weight of Dish + Filter +Centrifugate	6.7788							
Weight of Centrifugate	0.1003							
Weight Percent Centrifugate	3.44							
PLM EXAMINATION OF CENTRIFUGATE		Amphibole Asbestos Point Counts (Amphibole/Other)						
Point Count: Number of Occupied Points	400	Slide 1:	0	50	Slide 5:	0	50	
Number of Amphibole Asbestos Points	0	Slide 2:	0	50	Slide 6:	0	50	
PERCENT AMPHIBOLE ASBESTOS IN SAMPLE		Slide 3:	0	50	Slide 7:	0	50	
	0.0000	Slide 4:	0	50	Slide 8:	0	50	
PERCENT TOTAL ASBESTOS IN SAMPLE	0.0000							

	Analyst	Date
Gravimetric prep	JK	9/9/2020
Chrysotile Analysis	MN	9/10/2020
Centrifugation	JR	9/10/2020
Amphibole Analysis	AS	9/11/2020



Determination of Asbestos in SOF/SM-V by ELAP (198.8)

AEL Sample ID #: VM0920008-2

Stereobinocular Microscopy:

Color: Tan Homogeneity: Good
 Texture: Friable Probable Fibers: None

By: AS

INITIAL WEIGHTS		Unit(gm)						
Weight of Crucible	15.5283	Non-Asbestos Fiber		Optical Property		Visual %	Calc%	
Weight of Crucible + Sub-Sample	18.598							
Weight of Sub-Sample	3.0697							
ASHING								
Weight of Crucible + Ash	18.2466	Chrysotile Identification Optical Properties						
Weight of Ash	2.7183	Morphology	RI		Sign of Elongation	Pleochroism	Birefringence	Extinction
Weight Loss During Ashing	0.3514		τ					
Weight Percent Organic and Water	11.4474							
ACID TREATMENT/FLOTATION								
Weight of Dish for Floats	5.9902							
Weight of Dish + Floats	6.996							
Weight of Floats	1.0058	Amphibole Identification Optical Properties						
Weight Percent Floats	32.7654	Morphology	RI		Sign of Elongation	Pleochroism	Extinction	
Weight of Dish + Filter for Residue	5.9863		τ					
Weight of Dish + Filter + Residue	6.9933							
Weight of Residue	1.007							
Weight Loss During Acid Treatment	0.7055							
Weight Percent Acid-Soluble Materials	22.9827							
Weight Percent Residue	32.8045							
PLM EXAMINATION OF RESIDUE								
Point Count: Number of Occupied Points	400	Chrysotile Point Counts (Chrysotile/Other)						
Number of Chrysotile Points	0	Slide 1:	0	50	Slide 5:	0	50	
PERCENT CHRYSOTILE IN SAMPLE		Slide 2:	0	50	Slide 6:	0	50	
		Slide 3:	0	50	Slide 7:	0	50	
	0.0000	Slide 4:	0	50	Slide 8:	0	50	
HEAVY LIQUID CENTRIFUGATION								
Weight of Dish + Filter + Balance of Residue	6.9926							
Weight of Balance of Residue	1.0063							
Weight of Dish + Filter for Centrifugate	5.957							
Weight of Dish + Filter +Centrifugate	6.0582							
Weight of Centrifugate	0.1012							
Weight Percent Centrifugate	3.30							
PLM EXAMINATION OF CENTRIFUGATE								
Point Count: Number of Occupied Points	400	Amphibole Asbestos Point Counts (Amphibole/Other)						
Number of Amphibole Asbestos Points	0	Slide 1:	0	50	Slide 5:	0	50	
PERCENT AMPHIBOLE ASBESTOS IN SAMPLE		Slide 2:	0	50	Slide 6:	0	50	
		Slide 3:	0	50	Slide 7:	0	50	
	0.0000	Slide 4:	0	50	Slide 8:	0	50	
PERCENT TOTAL ASBESTOS IN SAMPLE	0.0000							

	Analyst	Date
Gravimetric prep	JK	9/9/2020
Chrysotile Analysis	MN	9/10/2020
Centrifugation	JR	9/10/2020
Amphibole Analysis	AS	9/11/2020



Determination of Asbestos in SOF/SM-V by ELAP (198.8)

AEL Sample ID #: VM0920008-3

Stereobinocular Microscopy:

Color: Tan Homogeneity: Good
 Texture: Friable Probable Fibers: None

By: AS

INITIAL WEIGHTS		Unit(gm)						
Weight of Crucible	20.4476	Non-Asbestos Fiber		Optical Property		Visual %	Calc%	
Weight of Crucible + Sub-Sample	23.2389							
Weight of Sub-Sample	2.7913							
ASHING								
Weight of Crucible + Ash	22.9304	Chrysotile Identification Optical Properties						
Weight of Ash	2.4828	Morphology	RI		Sign of Elongation	Pleochr oism	Birefringe nce	Extinction
Weight Loss During Ashing	0.3085		τ					
Weight Percent Organic and Water	11.0522							
ACID TREATMENT/FLOTATION								
Weight of Dish for Floats	5.9534							
Weight of Dish + Floats	5.9591							
Weight of Floats	0.0057	Amphibole Identification Optical Properties						
Weight Percent Floats	0.2042	Morphology	RI		Sign of Elongation	Pleochr oism		Extinction
Weight of Dish + Filter for Residue	6.0986		τ					
Weight of Dish + Filter + Residue	7.1053							
Weight of Residue	1.0067							
Weight Loss During Acid Treatment	1.4704							
Weight Percent Acid-Soluble Materials	52.6780							
Weight Percent Residue	36.0656							
PLM EXAMINATION OF RESIDUE		Chrysotile Point Counts (Chrysotile/Other)						
Point Count: Number of Occupied Points	400	Slide 1:	0	50	Slide 5:	0	50	
Number of Chrysotile Points	0	Slide 2:	0	50	Slide 6:	0	50	
PERCENT CHRYSOTILE IN SAMPLE		Slide 3:	0	50	Slide 7:	0	50	
	0.0000	Slide 4:	0	50	Slide 8:	0	50	
HEAVY LIQUID CENTRIFUGATION								
Weight of Dish + Filter + Balance of Residue	7.1049							
Weight of Balance of Residue	1.0063							
Weight of Dish + Filter for Centrifugate	6.2914							
Weight of Dish + Filter +Centrifugate	6.3916							
Weight of Centrifugate	0.1002							
Weight Percent Centrifugate	3.59							
PLM EXAMINATION OF CENTRIFUGATE		Amphibole Asbestos Point Counts (Amphibole/Other)						
Point Count: Number of Occupied Points	400	Slide 1:	0	50	Slide 5:	0	50	
Number of Amphibole Asbestos Points	0	Slide 2:	0	50	Slide 6:	0	50	
PERCENT AMPHIBOLE ASBESTOS IN SAMPLE		Slide 3:	0	50	Slide 7:	0	50	
	0.0000	Slide 4:	0	50	Slide 8:	0	50	
PERCENT TOTAL ASBESTOS IN SAMPLE	0.0000							

	Analyst	Date
Gravimetric prep	JK	9/9/2020
Chrysotile Analysis	MN	9/10/2020
Centrifugation	JR	9/10/2020
Amphibole Analysis	AS	9/11/2020



VM0920008
~~BK0920072~~

Paid by Melanie Fong
9/9/2020 @ 10:45 am
2 weeks TAT

Atlas Environmental Lab, Corp
255 West 36th Street, Suite# 1503
New York, NY 10018

Phone: (212) 563-0400 Fax: (212) 563-0401

BULK Material for Asbestos, Chain of Custody

Client Tectonic
Address 70 Pleasant Hill Road
Mountainville, New York 10953

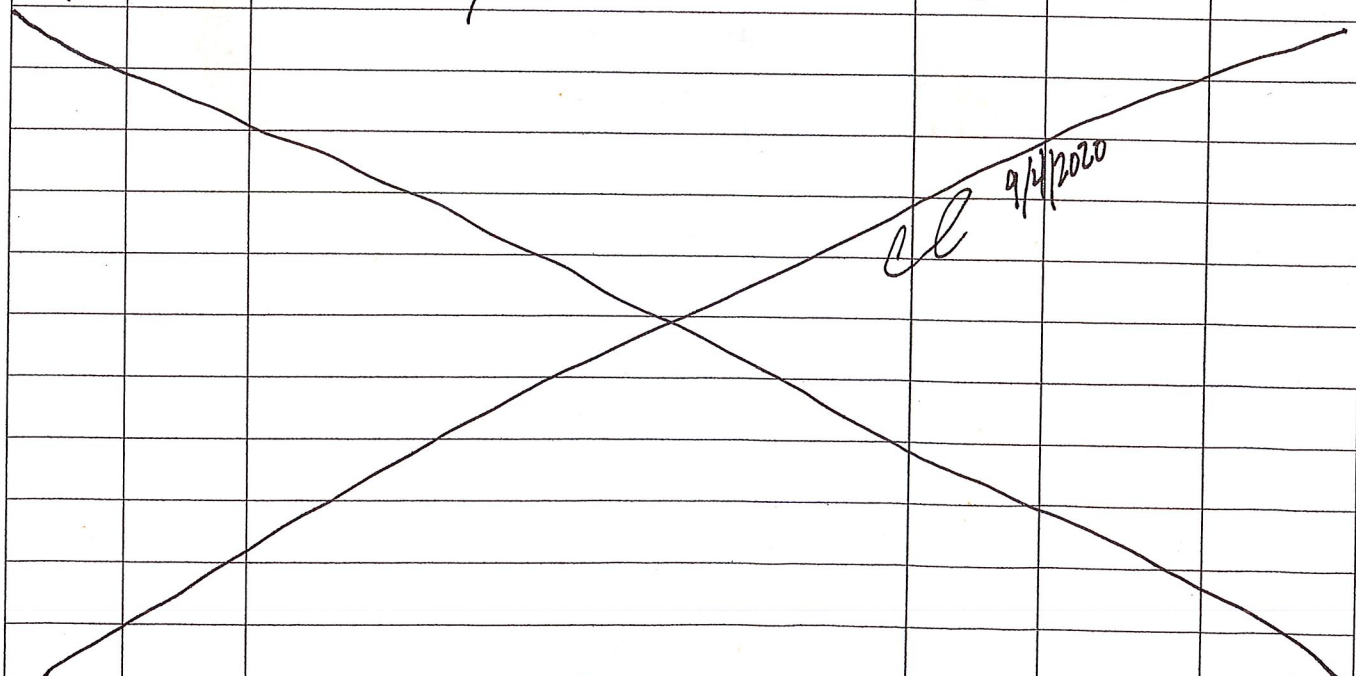
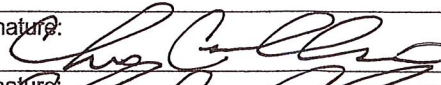

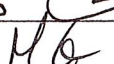
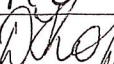
Contact Name Kristine Garbarino
Phone Number 845-534-5459
Email KGarbarino@tectoniceengineering.com

Project Name & No. 10128.01
Project Location Orangetown Town Hall
26 Orangeburg Rd., Orangeburg, NY
Work Area "Newer" Town Hall

Analysis Requested: ☒ PLM, ☒ PLM-NOB, ☒ TEM-NOB, ☒ Stop on 1st positive per homogeneous material, ☐ SOF/SM-V (198.8)

Turn Around Time: ☐ Same Day ☐ 24 Hrs. ☐ 48 Hrs. ☐ 72 Hrs. ☒ 5-DAY

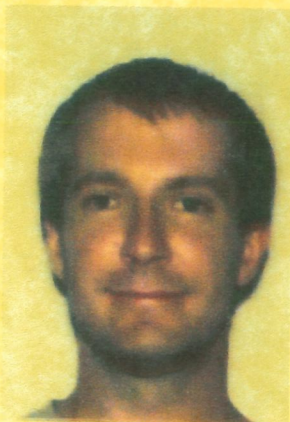
If Vermiculite present, proceed to Method 198.8: ☒ TAT: 2 week

Field ID	AEL Lab ID	Location/Description	Friable/Non Friable	Homogenous Area	Accept Sample Yes/No
Q1		Lobby Ceiling / White Textured Ceiling	F	Q	
Q2		" "	"	"	
Q3		" "	"	"	
<div>1 2 3</div> <div></div> <div>9/4/2020 cl</div>					
Sampled By: <u>Chris Callinan</u>		Signature: 	Date: <u>9/4/2020</u>	Time: <u>0800</u>	
Relinquished By: <u>Chris Callinan</u>		Signature: 	Date: <u>9/4/2020</u>	Time: <u>1700</u>	
Received By: <u>Melanie Fong</u>		Signature: 	Date: <u>9/8/2020</u>	Time: <u>10:45 am</u>	
Analyst: <u>D. Kogan</u>		Signature: 	Date: <u>09/08/2020</u>	Time: <u>2:21:20</u>	

APPENDIX IV

United States Environmental Protection Agency

This is to certify that



Christopher Callinan

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Risk Assessor

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires December 28, 2022

LBP-R-I210359-1

Certification #

December 14, 2019

Issued On

A handwritten signature in black ink, appearing to read 'SS' followed by a long horizontal stroke.

Susan Schulz, Acting Chief

Chemicals and Multimedia Programs
Branch



APPENDIX V

Performance Characteristic Sheet

EFFECTIVE DATE: October 12, 2006

EDITION NO.: 1

MANUFACTURER AND MODEL:

Make: *Innov-X Systems, Inc.*
Models: *LBP4000 with software version 1.4 and higher*
Source: *X-ray tube (no radioactive isotopes)*

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Inspection mode, variable reading time.

XRF CALIBRATION CHECK LIMITS:

1.0 to 1.1 mg/cm ² (inclusive)

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

INSPECTION MODE READING DESCRIPTION	SUBSTRATE	INCONCLUSIVE RANGE (mg/cm ²)
Results not corrected for substrate bias on any substrate	Brick	0.6 to 1.1
	Concrete	0.6 to 1.1
	Drywall	0.6 to 1.1
	Metal	0.6 to 1.1
	Plaster	0.6 to 1.1
	Wood	0.6 to 1.1

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted on 146 test locations, with two separate instruments, in December 2005.

OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm² in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm² film).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Chapter 7 of the HUD Guidelines provides guidance on correcting XRF results for substrate bias. Supplemental guidance for using the paint film nearest 1.0 mg/cm² for substrate correction is provided:

XRF results are corrected for substrate bias by subtracting from each XRF result a correction value determined separately in each house for single-family housing or in each development for multifamily housing, for each substrate. The correction value is an average of XRF readings taken over the NIST SRM paint film nearest to 1.0 mg/cm² at test locations that have been scraped bare of their paint covering. Compute the correction values as follows:

Using the same XRF instrument, take three readings on a bare substrate area covered with the NIST SRM paint film nearest 1 mg/cm². Repeat this procedure by taking three more readings on a second bare substrate area of the same substrate covered with the NIST SRM.

Compute the correction value for each substrate type where XRF readings indicate substrate correction is needed by computing the average of all six readings as shown below.

For each substrate type (the 1.02 mg/cm² NIST SRM is shown in this example; use the actual lead loading of the NIST SRM used for substrate correction):

$$\text{Correction value} = (1\text{st} + 2\text{nd} + 3\text{rd} + 4\text{th} + 5\text{th} + 6\text{th Reading}) / 6 - 1.02 \text{ mg/cm}^2$$

Repeat this procedure for each substrate requiring substrate correction in the house or housing development.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Take one XRF reading on each of the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Calculate the average of the original XRF reading and the retest XRF reading for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

For the variable-time inspection paint test mode, the instrument continues to read until it has determined whether the result is positive or negative (with respect to the 1.0 mg/cm² Federal standard), with 95% confidence. The following table provides testing time information for this testing mode.

Testing Times Using Variable Reading Time Inspection Mode (Seconds)						
	All Data			Median for laboratory-measured lead levels (mg/cm ²)		
Substrate	25 th Percentile	Median	75 th Percentile	Pb < 0.25	0.25 ≤ Pb < 1.0	1.0 ≤ Pb
Wood, Drywall	2.1	2.3	5.4	2.2	5.4	2.2
Metal	2.6	3.2	5.3	2.7	5.1	5.1
Brick, Concrete, Plaster	3.1	4.0	5.7	3.2	4.0	5.9

CLASSIFICATION OF RESULTS:

When an inconclusive range is specified on the *Performance Characteristic Sheet*, XRF results are classified as positive if they are greater than the upper boundary of the inconclusive range, negative if they are less than the lower boundary of the inconclusive range, or inconclusive if in between. The inconclusive range includes both its upper and lower bounds. If the instrument reads "> x mg/cm²", the value "x" should be used for classification purposes, ignoring the ">". For example, a reading reported as ">1.0 mg/cm²" is classified as 1.0 mg/cm², or inconclusive. When the inconclusive range reported in this PCS is used to classify the readings obtained in the EPA/HUD evaluation, the following False Positive, False Negative and Inconclusive rates are obtained:

FALSE POSITIVE RATE: 2.5% (2/80)
 FALSE NEGATIVE RATE: 1.9% (4/212)
 INCONCLUSIVE RATE: 16.4% (48/212)

DOCUMENTATION:

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. XRF Performance Characteristic Sheets were originally developed by the MRI under a grant from the U. S. Environmental Protection Agency and the U.S. Department of Housing and Urban Development. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

92 North Main St, Building 20

Windsor, NJ 08561

Toll-free: (800) 301-9663

Pine Environmental Services, Inc.

Instrument ID R197588
Description Innov-X Alpha Series XRF
Calibrated 8/18/2020 3:38:33PM

Manufacturer	Innov-X/Olympus Systems	State Certified	
Model Number	a-Demo 0	Status	Pass
Serial Number/ Lot Number	6492	Temp °C	25
Location	New Jersey	Humidity %	30
Department			

Calibration Specifications

Group # 1
Group Name Function Test with A097 form
Test Performed: Yes **As Found Result: Pass** **As Left Result: Pass**

Test Instruments Used During the Calibration

(As Of Cal Entry Date)

<u>Test Standard ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number / Lot Number</u>	<u>Last Cal Date / Opened Date</u>	<u>Next Cal Date / Expiration Date</u>
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Notes about this calibration

Calibration Result Calibration Successful

Who Calibrated Kevin Cole

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment

Please call 800-301-9663 for Technical Assistance

APPENDIX VI

10128.01: Orangetown Town Hall Expansion - Newer Town Hall / Police Building
Appendix VII: LBP XRF Data

Reading	Mode	Date	Location	Floor/Area	Room	Component	Substrate	Color	Side	Condition	Lead Concentration (mg/cm ²)	Pass Fail Standard
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[illegible]

Reading	Mode	Date	Location	Floor/Area	Room	Component	Substrate	Color	Side	Condition	Lead Concentration (mg/cm ²)	Pass Fail Standard
51	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Town Clerk Office	Wall	Drywall	White	A	Intact	0	Negative
52	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Town Clerk Office	Wall	Drywall	White	B	Intact	0	Negative
53	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Town Clerk Office	Wall	Drywall	White	C	Intact	0	Negative
54	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Town Clerk Office	Wall	Drywall	White	D	Intact	0	Negative
55	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Town Clerk Office	Door	Wood	Finished/Stained	B	Intact	0	Negative
56	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Town Clerk Office	Door	Wood	Finished/Stained	D	Intact	0	Negative
57	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Town Clerk Office	Door Jamb	Metal	Green	C	Intact	0.01	Negative
58	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Town Clerk Office	Door	Metal	Tan	B	Intact	0	Negative
59	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Town Clerk Office	Door	Metal	Tan	D	Intact	0	Negative
60	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Town Clerk Office	Door Jamb	Metal	Green	C	Intact	0.01	Negative
61	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Town Clerk Office	Wall	Drywall	White	A	Intact	0	Negative
62	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Town Clerk Office	Wall	Drywall	White	B	Intact	0	Negative
63	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Town Clerk Office	Wall	Drywall	White	C	Intact	0	Negative
64	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Town Clerk Office	Wall	Drywall	White	D	Intact	0	Negative
65	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Town Clerk Office	Security System Box	Metal	Tan	D	Intact	0	Negative
66	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Corridor	Wall	Drywall	White	A	Intact	0	Negative
67	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Corridor	Wall	Drywall	White	B	Intact	0	Negative
68	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Corridor	Wall	Drywall	White	C	Intact	0	Negative
69	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Corridor	Wall	Drywall	White	D	Intact	0	Negative
70	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Courtroom	Wall	Drywall	White	C	Intact	0.01	Negative
71	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Courtroom	Wall	Drywall	White	B	Intact	0.01	Negative
72	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Courtroom	Door	Wood	Finished/Stained	B	Intact	0	Negative
73	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Courtroom	Door Jamb	Metal	Green	C	Intact	0.01	Negative
74	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Courtroom	Door	Wood	Finished/Stained	C	Intact	0	Negative
75	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Courtroom	Door Jamb	Metal	Green	D	Intact	0.01	Negative
76	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Courtroom	Door	Wood	Finished/Stained	A	Intact	0	Negative
77	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Corridor	Door	Wood	Finished/Stained	D	Intact	0	Negative
78	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Corridor	Door	Wood	Finished/Stained	B	Intact	0	Negative
79	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Corridor	Door Jamb	Metal	Green	A	Intact	0.01	Negative
80	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Corridor	Wall Trim	Wood	White	A	Intact	0	Negative
81	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Corridor	Wall Trim	Wood	White	C	Intact	0	Negative
82	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Corridor	Door	Wood	Finished/Stained	D	Intact	0	Negative
83	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Corridor	Door	Wood	Finished/Stained	B	Intact	0	Negative
84	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Corridor	Door Jamb	Metal	Green	A	Intact	0.01	Negative
85	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Lobby	Wall	Drywall	White	A	Intact	0	Negative
86	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Lobby	Wall	Drywall	White	B	Intact	0	Negative
87	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Lobby	Wall	Drywall	White	C	Intact	0	Negative
88	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Lobby	Wall	Drywall	White	D	Intact	0	Negative
89	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Lobby	Window Casing	Metal	Green	B	Intact	0.01	Negative
90	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Lobby	Drop Box	Metal	Grey	B	Intact	0	Negative
91	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Lobby	Payphone Casing	Metal	Off White	B	Intact	0	Negative
92	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Lobby	Payphone Casing	Metal	Off White	B	Intact	0	Negative
93	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Lobby	Column	Plastic	Off White		Intact	0	Negative
94	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Lobby	Column	Plastic	Off White		Intact	0	Negative
95	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Lobby	Ceiling	Drywall	White		Intact	0	Negative
96	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Lobby	Top of Short Wall	Wood	Finished/Stained	C	Intact	0	Negative
97	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Lower Lobby	Wall	Drywall	White	A	Intact	0	Negative
98	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Lower Lobby	Wall	Drywall	White	B	Intact	0	Negative
99	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Lower Lobby	Wall	Drywall	White	C	Intact	0	Negative
100	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Lower Lobby	Wall	Drywall	White	D	Intact	0	Negative
101	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Lower Lobby	Top of Short Wall	Wood	Finished/Stained	A	Intact	0	Negative
102	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Lower Lobby	Door Trim	Wood	Finished/Stained	C	Intact	0	Negative
103	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Lower Lobby	Door	Metal	Green	C	Intact	0	Negative
104	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Lower Lobby	Door Jamb	Metal	Green	D	Intact	0	Negative
105	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Lower Lobby	Door	Metal	Green	A	Intact	0	Negative
106	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Lower Lobby	Stair Stringer	Wood	Tan	B	Intact	0	Negative
107	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Upper Floor	Lower Lobby	Stair Stringer	Wood	Tan	D	Intact	0.01	Negative

Reading	Mode	Date	Location	Floor/Area	Room	Component	Substrate	Color	Side	Condition	Lead Concentration (mg/cm ²)	Pass Fail Standard
108	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Lower Floor	Corridor	Wall	Drywall	Off White	A	Intact	0	Negative
109	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Lower Floor	Corridor	Wall	Drywall	Off White	B	Intact	0	Negative
110	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Lower Floor	Corridor	Wall	Drywall	Off White	C	Intact	0	Negative
111	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Lower Floor	Corridor	Wall	Drywall	Off White	D	Intact	0	Negative
112	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Lower Floor	Corridor	Door	Wood	Finished/Stained	B	Intact	0	Negative
113	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Lower Floor	Corridor	Door	Wood	Finished/Stained	D	Intact	0	Negative
114	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Lower Floor	Corridor	Door Jamb	Metal	Red	A	Intact	0.01	Negative
115	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Lower Floor	Corridor	Door Jamb	Metal	Red	C	Intact	0.01	Negative
116	Lead Paint Inspection	26-Aug-20	Newer Town Hall / Police Building	Lower Floor	Corridor	Door	Wood	Finished/Stained	C	Intact	0	Negative
C4	Calibration	26-Aug-20					NIST	White	CAL	Calibrate	0	Negative
C5	Calibration	26-Aug-20					NIST	White	CAL	Calibrate	0	Negative
C6	Calibration	26-Aug-20					NIST	White	CAL	Calibrate	0	Negative

APPENDIX VII



Department of Health

ANDREW M. CUOMO
Governor

HOWARD A. ZUCKER, M.D., J.D.
Commissioner

SALLY DRESLIN, M.S., R.N.
Executive Deputy Commissioner

LAB ID: 11301

April 01, 2020

MS. PHYLLIS SHILLER
PHOENIX ENVIRONMENTAL LABS
PO BOX 370 - 587 E MIDDLE TPK
MANCHESTER, CT 06040

Certificate Expiration Date:
April 01, 2021

Dear Ms. Shiller,

Enclosed are certificate(s) of approval issued to your environmental laboratory for the current permit year. The certificate(s) supersede(s) any previously issued one(s) and is(are) in effect through the expiration date listed. Please carefully examine the certificate(s) to insure that the categories, subcategories, analytes, and methods for which your laboratory is approved are correct. In addition, verify that your laboratory's name, address, lead technical director, and identification number are accurate.

Pursuant to NYCRR Subpart 55-2.2, original certificates must be posted conspicuously in the laboratory and copies shall be made available to any client of the laboratory upon request.

Pursuant to NYCRR Subpart 55-2.6, any misrepresentation of the fields of accreditation (category - method - analyte) for which your laboratory is approved may result in denial, suspension, or revocation of your certification. Any use of the Environmental Laboratory Approval Program (ELAP) or National Environmental Laboratory Accreditation Program (NELAP) name, reference to the laboratory's approval status, and/or using the NELAP logo in any catalogs, advertising, business solicitations, proposals, quotations, laboratory analytical reports, or other materials must include the laboratory's ELAP identification number and distinguish between testing for which the laboratory is approved and testing for which the laboratory is not approved.

If you have any questions, please contact us at the Environmental Laboratory Approval Program, Wadsworth Center, New York State Department of Health, Empire State Plaza, Albany NY, 12237; by phone at (518) 485-5570; by facsimile at (518) 485-5568; and by email at elap@health.ny.gov.

Sincerely,

A handwritten signature in cursive script that reads "Victoria Pretti".

Victoria Pretti
Director and QA Officer
Environmental Laboratory Approval Program

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2021
Issued April 01, 2020

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. PHYLLIS SHILLER
PHOENIX ENVIRONMENTAL LABS
587 EAST MIDDLE TURNPIKE
MANCHESTER, CT 06040

NY Lab Id No: 11301

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:*

Bacteriology

Coliform, Total / E. coli (Qualitative)	SM 21, 23 9222A,B,C SM 20, 21-23 9223B (-04) (Colilert)
E. coli (Enumeration)	SM 21, 23 9222A,B,C SM 20, 21-23 9223B (-04) (Colilert)
Enterococci	SM 23 9230D (Enterolert)
Heterotrophic Plate Count	SM 20, 21-23 9215B (-04)

Chlorinated Acids

2,4,5-TP (Silvex)	EPA 515.3
2,4-D	EPA 515.3
Dalapon	EPA 515.3
Dicamba	EPA 515.3
Dinoseb	EPA 515.3
Pentachlorophenol	EPA 515.3
Picloram	EPA 515.3

Disinfection By-products

Bromochloroacetic acid	EPA 552.2
Dibromoacetic acid	EPA 552.2
Dichloroacetic acid	EPA 552.2
Monobromoacetic acid	EPA 552.2
Monochloroacetic acid	EPA 552.2
Trichloroacetic acid	EPA 552.2

Fuel Additives

Methyl tert-butyl ether	EPA 524.2
Naphthalene	EPA 524.2

Metals I

Arsenic, Total	SM 19, 21-23 3113B (-04,-10) EPA 200.9 Rev. 2.2 EPA 200.8 Rev. 5.4
Barium, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4 EPA 200.7 Rev. 5.4
Cadmium, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4 EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4
Chromium, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4 EPA 200.5 EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4
Copper, Total	EPA 200.5 EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4 EPA 200.7 Rev. 4.4 EPA 200.5 SM 19, 21-23 3113B (-04,-10) EPA 200.9 Rev. 2.2 EPA 200.8 Rev. 5.4
Iron, Total	EPA 200.7 Rev. 4.4
Lead, Total	EPA 200.5 SM 19, 21-23 3113B (-04,-10) EPA 200.9 Rev. 2.2 EPA 200.8 Rev. 5.4 EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4 EPA 245.1 Rev. 3.0 SM 19, 21-23 3113B (-04,-10) EPA 200.9 Rev. 2.2 EPA 200.8 Rev. 5.4
Manganese, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4
Mercury, Total	EPA 245.1 Rev. 3.0
Selenium, Total	SM 19, 21-23 3113B (-04,-10) EPA 200.9 Rev. 2.2 EPA 200.8 Rev. 5.4
Silver, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4 EPA 200.7 Rev. 4.4
Zinc, Total	EPA 200.7 Rev. 4.4

Serial No.: 61328

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2021
Issued April 01, 2020

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. PHYLLIS SHILLER
PHOENIX ENVIRONMENTAL LABS
587 EAST MIDDLE TURNPIKE
MANCHESTER, CT 06040

NY Lab Id No: 11301

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:*

Metals I		Methylcarbamate Pesticides	
Zinc, Total	EPA 200.8 Rev. 5.4	3-Hydroxy Carbofuran	EPA 531.2
Metals II		Aldicarb	EPA 531.2
Aluminum, Total	EPA 200.7 Rev. 4.4	Aldicarb Sulfone	EPA 531.2
	EPA 200.8 Rev. 5.4	Aldicarb Sulfoxide	EPA 531.2
Antimony, Total	SM 19, 21-23 3113B (-04,-10)	Carbaryl	EPA 531.2
	EPA 200.9 Rev. 2.2	Carbofuran	EPA 531.2
	EPA 200.8 Rev. 5.4	Methomyl	EPA 531.2
Beryllium, Total	EPA 200.7 Rev. 4.4	Oxamyl	EPA 531.2
	EPA 200.8 Rev. 5.4	Microextractables	
Molybdenum, Total	EPA 200.7 Rev. 4.4	1,2,3-Trichloropropane, Low Level	EPA 504.1
	EPA 200.8 Rev. 5.4	1,2-Dibromo-3-chloropropane, Low Level	EPA 504.1
Nickel, Total	EPA 200.7 Rev. 4.4	1,2-Dibromoethane, Low Level	EPA 504.1
	EPA 200.8 Rev. 5.4	Miscellaneous	
Thallium, Total	SM 19, 21-23 3113B (-04,-10)	1,4-Dioxane	EPA 522
	EPA 200.9 Rev. 2.2	Benzo(a)pyrene	EPA 525.3
	EPA 200.8 Rev. 5.4	Bis(2-ethylhexyl) phthalate	EPA 525.3
Vanadium, Total	EPA 200.7 Rev. 4.4	Di (2-ethylhexyl) adipate	EPA 525.3
	EPA 200.8 Rev. 5.4	Diquat	EPA 549.2
Metals III		Glyphosate	EPA 547
Boron, Total	EPA 200.7 Rev. 4.4	Hexachlorobenzene	EPA 525.3
Calcium, Total	EPA 200.7 Rev. 4.4	Hexachlorocyclopentadiene	EPA 525.3
Magnesium, Total	EPA 200.7 Rev. 4.4	Odor	SM 21-23 2150 B (-97)
Potassium, Total	EPA 200.7 Rev. 4.4	Organic Carbon, Dissolved	SM 21-23 5310B (-00)
Sodium, Total	EPA 200.7 Rev. 4.4	Organic Carbon, Total	SM 21-23 5310B (-00)
Uranium (Mass)	EPA 200.8 Rev. 5.4	Surfactant (MBAS)	SM 21-23 5540C (-00)

Serial No.: 61328

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2021
Issued April 01, 2020

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. PHYLLIS SHILLER
PHOENIX ENVIRONMENTAL LABS
587 EAST MIDDLE TURNPIKE
MANCHESTER, CT 06040

NY Lab Id No: 11301

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:*

Miscellaneous

Turbidity	SM 21-23 2130 B (-01)
UV 254	SM 21-23 5910B (-00,-11)

Non-Metals

Alkalinity	SM 21-23 2320B (-97)
Calcium Hardness	EPA 200.7 Rev. 4.4
Chloride	EPA 300.0 Rev. 2.1
	SM 21-22 4500-Cl- E (-97)
Color	SM 21-23 2120B (-01)
Cyanide	EPA 335.4 Rev. 1.0
Fluoride, Total	EPA 300.0 Rev. 2.1
	SM 21-23 4500-F C (-97)
Nitrate (as N)	EPA 353.2 Rev. 2.0
	EPA 300.0 Rev. 2.1
Nitrite (as N)	EPA 353.2 Rev. 2.0
	EPA 300.0 Rev. 2.1
Orthophosphate (as P)	SM 19, 21-23 4500-P F (-99)
	SM 19, 21-23 4500-P E (-99)
Solids, Total Dissolved	SM 21-23 2540C (-97)
Specific Conductance	SM 21-23 2510B (-97)
Sulfate (as SO ₄)	EPA 300.0 Rev. 2.1
	SM 19, 21-23 4500-SO ₄ D (-97)

Organohalide Pesticides

Alachlor	EPA 525.3
Aldrin	EPA 525.3
Atrazine	EPA 525.3

Organohalide Pesticides

Butachlor	EPA 525.3
Chlordane Total	EPA 525.3
Dieldrin	EPA 525.3
Endrin	EPA 525.3
Heptachlor	EPA 525.3
Heptachlor epoxide	EPA 525.3
Lindane	EPA 525.3
Methoxychlor	EPA 525.3
Metolachlor	EPA 525.3
Metribuzin	EPA 525.3
Propachlor	EPA 525.3
Simazine	EPA 525.3
Toxaphene	EPA 525.3

Polychlorinated Biphenyls

PCB Screen	EPA 508
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Trihalomethanes

Bromodichloromethane	EPA 524.2
Bromoform	EPA 524.2
Chloroform	EPA 524.2
Dibromochloromethane	EPA 524.2
Total Trihalomethanes	EPA 524.2

Volatile Aromatics

1,2,3-Trichlorobenzene	EPA 524.2
1,2,4-Trichlorobenzene	EPA 524.2

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587 EAST MIDDLE TURNPIKE
MANCHESTER, CT 06040

NY Lab Id No: 11301

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ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:*

Volatile Aromatics

1,2,4-Trimethylbenzene	EPA 524.2
1,2-Dichlorobenzene	EPA 524.2
1,3,5-Trimethylbenzene	EPA 524.2
1,3-Dichlorobenzene	EPA 524.2
1,4-Dichlorobenzene	EPA 524.2
2-Chlorotoluene	EPA 524.2
4-Chlorotoluene	EPA 524.2
Benzene	EPA 524.2
Bromobenzene	EPA 524.2
Chlorobenzene	EPA 524.2
Ethyl benzene	EPA 524.2
Hexachlorobutadiene	EPA 524.2
Isopropylbenzene	EPA 524.2
n-Butylbenzene	EPA 524.2
n-Propylbenzene	EPA 524.2
p-Isopropyltoluene (P-Cymene)	EPA 524.2
sec-Butylbenzene	EPA 524.2
Styrene	EPA 524.2
tert-Butylbenzene	EPA 524.2
Toluene	EPA 524.2
Total Xylenes	EPA 524.2

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 524.2
1,1,1-Trichloroethane	EPA 524.2
1,1,2,2-Tetrachloroethane	EPA 524.2

Volatile Halocarbons

1,1,2-Trichloroethane	EPA 524.2
1,1-Dichloroethane	EPA 524.2
1,1-Dichloroethene	EPA 524.2
1,1-Dichloropropene	EPA 524.2
1,2,3-Trichloropropane	EPA 524.2
1,2-Dichloroethane	EPA 524.2
1,2-Dichloropropane	EPA 524.2
1,3-Dichloropropane	EPA 524.2
2,2-Dichloropropane	EPA 524.2
Bromochloromethane	EPA 524.2
Bromomethane	EPA 524.2
Carbon tetrachloride	EPA 524.2
Chloroethane	EPA 524.2
Chloromethane	EPA 524.2
cis-1,2-Dichloroethene	EPA 524.2
cis-1,3-Dichloropropene	EPA 524.2
Dibromomethane	EPA 524.2
Dichlorodifluoromethane	EPA 524.2
Methylene chloride	EPA 524.2
Tetrachloroethene	EPA 524.2
trans-1,2-Dichloroethene	EPA 524.2
trans-1,3-Dichloropropene	EPA 524.2
Trichloroethene	EPA 524.2
Trichlorofluoromethane	EPA 524.2
Vinyl chloride	EPA 524.2

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CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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**MS. PHYLLIS SHILLER
PHOENIX ENVIRONMENTAL LABS
587 EAST MIDDLE TURNPIKE
MANCHESTER, CT 06040**

NY Lab Id No: 11301

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:*

Acrylates		Amines	
Acrolein (Propenal)	EPA 8260D	Pyridine	EPA 8270E
	EPA 8260C		
	EPA 624.1	Bacteriology	
Acrylonitrile	EPA 8260D	Coliform, Fecal	SM 9222D-2006
	EPA 8260C		Colilert-18
	EPA 624.1	Coliform, Total	SM 9222B-2006
		E. coli (Enumeration)	SM 9222B-2006/SM 9222G-20C
Amines			Colilert-24
1,2-Diphenylhydrazine	EPA 8270D		SM 9223B-2004
	EPA 8270E		Colilert-18
2-Nitroaniline	EPA 8270D	Enterococci	SM 23 9230D (Enterolert)
	EPA 8270E	Heterotrophic Plate Count	SM 18-21 9215B
3-Nitroaniline	EPA 8270D		
	EPA 8270E	Benzidines	
4-Chloroaniline	EPA 8270D	3,3'-Dichlorobenzidine	EPA 625.1
	EPA 8270E		EPA 8270D
4-Nitroaniline	EPA 8270D		EPA 8270E
	EPA 8270E	Benzidine	EPA 625.1
Aniline	EPA 625.1		EPA 8270D
	EPA 8270D		EPA 8270E
	EPA 8270E	Chlorinated Hydrocarbon Pesticides	
Carbazole	EPA 625.1	4,4'-DDD	EPA 8081B
	EPA 8270D		EPA 608.3
	EPA 8270E	4,4'-DDE	EPA 8081B
Pyridine	EPA 625.1		EPA 608.3
	EPA 8270D	4,4'-DDT	EPA 8081B

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Chlorinated Hydrocarbon Pesticides

4,4'-DDT	EPA 608.3
Aldrin	EPA 8081B
	EPA 608.3
alpha-BHC	EPA 8081B
	EPA 608.3
alpha-Chlordane	EPA 8081B
beta-BHC	EPA 8081B
	EPA 608.3
Chlordane Total	EPA 8081B
	EPA 608.3
delta-BHC	EPA 8081B
	EPA 608.3
Dieldrin	EPA 8081B
	EPA 608.3
Endosulfan I	EPA 8081B
	EPA 608.3
Endosulfan II	EPA 8081B
	EPA 608.3
Endosulfan sulfate	EPA 8081B
	EPA 608.3
Endrin	EPA 8081B
	EPA 608.3
Endrin aldehyde	EPA 8081B
	EPA 608.3
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B

Chlorinated Hydrocarbon Pesticides

Heptachlor	EPA 8081B
	EPA 608.3
Heptachlor epoxide	EPA 8081B
	EPA 608.3
Lindane	EPA 8081B
	EPA 608.3
Methoxychlor	EPA 8081B
	EPA 608.3
PCNB	EPA 8270D
	EPA 8270E
Toxaphene	EPA 8081B
	EPA 608.3

Chlorinated Hydrocarbons

1,2,3-Trichlorobenzene	EPA 8260D
	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
	EPA 8270E
1,2,4-Trichlorobenzene	EPA 625.1
	EPA 8270D
	EPA 8270E
2-Chloronaphthalene	EPA 625.1
	EPA 8270D
	EPA 8270E
Hexachlorobenzene	EPA 8081B
	EPA 625.1

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Chlorinated Hydrocarbons

Hexachlorobenzene	EPA 8270D
	EPA 8270E
Hexachlorobutadiene	EPA 625.1
	EPA 8270D
	EPA 8270E
Hexachlorocyclopentadiene	EPA 625.1
	EPA 8270D
	EPA 8270E
Hexachloroethane	EPA 625.1
	EPA 8270D
	EPA 8270E

Chlorophenoxy Acid Pesticides

2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
2,4-DB	EPA 8151A
Dalapon	EPA 8151A
Dicamba	EPA 8151A
Dichloroprop	EPA 8151A
Dinoseb	EPA 8151A
Pentachlorophenol	EPA 8151A

Demand

Biochemical Oxygen Demand	SM 5210B-2011
Carbonaceous BOD	SM 5210B-2011
Chemical Oxygen Demand	SM 5220D-2011

Fuel Oxygenates

Di-isopropyl ether	EPA 8260D
	EPA 8260C
Ethanol	EPA 8260D
	EPA 8260C
	EPA 8015D
Methyl tert-butyl ether	EPA 8260D
	EPA 8260C
	EPA 624.1
tert-amyl alcohol	EPA 8260D
	EPA 8260C
tert-amyl methyl ether (TAME)	EPA 8260D
	EPA 8260C
tert-butyl alcohol	EPA 8260D
	EPA 8260C
tert-butyl ethyl ether (ETBE)	EPA 8260D
	EPA 8260C

Haloethers

2,2'-Oxybis(1-chloropropane)	EPA 625.1
	EPA 8270D
4-Bromophenylphenyl ether	EPA 625.1
	EPA 8270D
4-Chlorophenylphenyl ether	EPA 625.1
	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 625.1
	EPA 8270D

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Haloethers

Bis(2-chloroethyl)ether	EPA 625.1
	EPA 8270D

Low Level Halocarbons

1,2-Dibromo-3-chloropropane, Low Level	EPA 8011
1,2-Dibromoethane, Low Level	EPA 8011

Low Level Polynuclear Aromatics

Acenaphthene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Acenaphthylene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Anthracene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Chrysene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM

Low Level Polynuclear Aromatics

Dibenzo(a,h)anthracene Low Level	EPA 8270E SIM
Fluoranthene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Fluorene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Naphthalene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Phenanthrene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Pyrene Low Level	EPA 8270D SIM
	EPA 8270E SIM

Metals I

Barium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
	EPA 6010D
	EPA 6020B
	EPA 200.8, Rev. 5.4 (1994)
Cadmium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C
	EPA 6010D
	EPA 6020B
	EPA 7010
	SM 3113B-2010

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Metals I		Metals I	
Cadmium, Total	EPA 200.8, Rev. 5.4 (1994)	Lead, Total	SM 3113B-2010
Calcium, Total	EPA 200.7, Rev. 4.4 (1994)		EPA 200.8, Rev. 5.4 (1994)
	EPA 6010C	Magnesium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010D		EPA 6010C
	EPA 6020B		EPA 6010D
	EPA 200.8, Rev. 5.4 (1994)		EPA 6020B
Chromium, Total	EPA 200.7, Rev. 4.4 (1994)		EPA 200.8, Rev. 5.4 (1994)
	EPA 6010C	Manganese, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010D		EPA 6010C
	EPA 6020B		EPA 6010D
	EPA 200.8, Rev. 5.4 (1994)		EPA 6020B
Copper, Total	EPA 200.7, Rev. 4.4 (1994)		EPA 200.8, Rev. 5.4 (1994)
	EPA 6010C	Nickel, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010D		EPA 6010C
	EPA 6020B		EPA 6010D
	EPA 200.8, Rev. 5.4 (1994)		EPA 6020B
Iron, Total	EPA 200.7, Rev. 4.4 (1994)		EPA 200.8, Rev. 5.4 (1994)
	EPA 6010C	Potassium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010D		EPA 6010C
	EPA 6020B		EPA 6010D
	EPA 200.8, Rev. 5.4 (1994)		EPA 6020B
Lead, Total	EPA 200.7, Rev. 4.4 (1994)		EPA 200.8, Rev. 5.4 (1994)
	EPA 6010C	Silver, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010D		EPA 6010C
	EPA 6020B		EPA 6010D
	EPA 7010		EPA 6020B

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Metals I		Metals II	
Silver, Total	EPA 7010	Arsenic, Total	EPA 6010C
	SM 3113B-2010		EPA 6010D
	EPA 200.8, Rev. 5.4 (1994)		EPA 6020B
Sodium, Total	EPA 200.7, Rev. 4.4 (1994)	Beryllium, Total	EPA 7010
	EPA 6010C		SM 3113B-2010
	EPA 6010D		EPA 200.8, Rev. 5.4 (1994)
	EPA 6020B		EPA 200.7, Rev. 4.4 (1994)
Strontium, Total	EPA 200.8, Rev. 5.4 (1994)	Chromium VI	EPA 6010C
	EPA 200.7, Rev. 4.4 (1994)		EPA 6010D
	EPA 6010C		EPA 6020B
	EPA 6010D		EPA 200.8, Rev. 5.4 (1994)
Aluminum, Total	EPA 200.7, Rev. 4.4 (1994)	Mercury, Total	EPA 7196A
	EPA 6010C		SM 3500-Cr B-2011
	EPA 6010D		EPA 245.1, Rev. 3.0 (1994)
	EPA 6020B		EPA 7470A
Antimony, Total	EPA 200.8, Rev. 5.4 (1994)	Selenium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 200.7, Rev. 4.4 (1994)		EPA 6010C
	EPA 6010C		EPA 6010D
	EPA 6010D		EPA 6020B
Arsenic, Total	EPA 6020B	Vanadium, Total	EPA 7010
	EPA 7010		SM 3113B-2010
	SM 3113B-2010		EPA 200.8, Rev. 5.4 (1994)
	EPA 200.8, Rev. 5.4 (1994)		EPA 200.7, Rev. 4.4 (1994)
	EPA 200.7, Rev. 4.4 (1994)		EPA 6010C
			EPA 6010D
			EPA 6020B

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Metals II		Metals III	
Vanadium, Total	EPA 200.8, Rev. 5.4 (1994)	Thallium, Total	SM 3113B-2010
Zinc, Total	EPA 200.7, Rev. 4.4 (1994)		EPA 200.9 Rev. 2.2 (1994)
	EPA 6010C		EPA 200.8, Rev. 5.4 (1994)
	EPA 6010D	Tin, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6020B		EPA 6010C
	EPA 200.8, Rev. 5.4 (1994)		EPA 6010D
			EPA 6020B
			EPA 200.8, Rev. 5.4 (1994)
Metals III			EPA 200.7, Rev. 4.4 (1994)
Cobalt, Total	EPA 200.7, Rev. 4.4 (1994)		EPA 6010C
	EPA 6010C	Titanium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010D		EPA 6010C
	EPA 6020B		EPA 6010D
	EPA 200.8, Rev. 5.4 (1994)		EPA 6020B
Gold, Total	EPA 200.7, Rev. 4.4 (1994)		EPA 200.8, Rev. 5.4 (1994)
	EPA 6020B		
	EPA 200.8, Rev. 5.4 (1994)	Mineral	
Molybdenum, Total	EPA 200.7, Rev. 4.4 (1994)	Acidity	SM 2310B-2011
	EPA 6010C	Alkalinity	SM 2320B-2011
	EPA 6010D	Calcium Hardness	EPA 200.7, Rev. 4.4 (1994)
	EPA 6020B	Chloride	EPA 300.0, Rev. 2.1 (1993)
	EPA 200.8, Rev. 5.4 (1994)		SM 4500-Cl- E-2011
Thallium, Total	EPA 200.7, Rev. 4.4 (1994)	Hardness, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010C	Sulfate (as SO ₄)	EPA 300.0, Rev. 2.1 (1993)
	EPA 6010D		SM 4500-SO ₄ D-2011
	EPA 6020B	Miscellaneous	
	EPA 7010	Boron, Total	EPA 200.7, Rev. 4.4 (1994)
			EPA 6010C

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2021
Issued April 01, 2020

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. PHYLLIS SHILLER
PHOENIX ENVIRONMENTAL LABS
587 EAST MIDDLE TURNPIKE
MANCHESTER, CT 06040

NY Lab Id No: 11301

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:*

Miscellaneous

Boron, Total	EPA 6010D
Bromide	EPA 300.0, Rev. 2.1 (1993)
Color	SM 2120B-2011
Cyanide, Total	EPA 335.4, Rev. 1.0 (1993)
	EPA 9012B
Formaldehyde	EPA 8315A
non-Polar Extractable Material (TPH)	EPA 1664A
Oil and Grease Total Recoverable (HEM)	EPA 1664A
	EPA 1664B
	EPA 9070A (Solvent:Hexane)
Organic Carbon, Total	SM 5310B-2011
Phenols	EPA 420.4, Rev. 1.0 (1993)
Specific Conductance	SM 2510B-2011
Sulfide (as S)	SM 4500-S2- D-2011
Surfactant (MBAS)	SM 5540C-2011
Turbidity	SM 2130 B-2011

Nitroaromatics and Isophorone

2,4-Dinitrotoluene	EPA 625.1
	EPA 8270D
	EPA 8270E
2,6-Dinitrotoluene	EPA 625.1
	EPA 8270D
	EPA 8270E
Isophorone	EPA 625.1
	EPA 8270D

Nitroaromatics and Isophorone

Isophorone	EPA 8270E
Nitrobenzene	EPA 625.1
	EPA 8270D
	EPA 8270E

Nitrosoamines

N-Nitrosodimethylamine	EPA 625.1
	EPA 8270D
	EPA 8270E
N-Nitrosodi-n-propylamine	EPA 625.1
	EPA 8270D
	EPA 8270E
N-Nitrosodiphenylamine	EPA 625.1
	EPA 8270D
	EPA 8270E

Nutrient

Ammonia (as N)	EPA 350.1, Rev. 2.0 (1993)
Kjeldahl Nitrogen, Total	EPA 351.1 (Rev. 1978)
Nitrate (as N)	EPA 353.2, Rev. 2.0 (1993)
	EPA 300.0, Rev. 2.1 (1993)
Nitrate-Nitrite (as N)	EPA 353.2, Rev. 2.0 (1993)
	EPA 300.0, Rev. 2.1 (1993)
Nitrite (as N)	EPA 353.2, Rev. 2.0 (1993)
	EPA 300.0, Rev. 2.1 (1993)
Orthophosphate (as P)	SM 4500-P E-2011
	SM 4500-P F-2011 or G-2011

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587 EAST MIDDLE TURNPIKE
MANCHESTER, CT 06040**

NY Lab Id No: 11301

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All approved analytes are listed below:*

Nutrient		Phthalate Esters	
Phosphorus, Total	EPA 200.7, Rev. 4.4 (1994) SM 4500-P E-2011	Diethyl phthalate	EPA 8270D EPA 8270E
Organophosphate Pesticides		Dimethyl phthalate	EPA 625.1 EPA 8270D EPA 8270E
Atrazine	EPA 8141B EPA 8270D EPA 8270E	Di-n-butyl phthalate	EPA 625.1 EPA 8270D EPA 8270E
Azinphos methyl	EPA 8141B	Di-n-octyl phthalate	EPA 625.1 EPA 8270D EPA 8270E
Diazinon	EPA 8141B		
Disulfoton	EPA 8141B		
Malathion	EPA 8141B		
Parathion ethyl	EPA 8270D EPA 8270E		
Simazine	EPA 8141B	Polychlorinated Biphenyls	
Petroleum Hydrocarbons		Aroclor 1016 (PCB-1016)	EPA 8082A EPA 608.3
Diesel Range Organics	EPA 8015D	Aroclor 1221 (PCB-1221)	EPA 8082A EPA 608.3
Gasoline Range Organics	EPA 8015D	Aroclor 1232 (PCB-1232)	EPA 8082A EPA 608.3
Phthalate Esters		Aroclor 1242 (PCB-1242)	EPA 8082A EPA 608.3
Benzyl butyl phthalate	EPA 625.1 EPA 8270D EPA 8270E	Aroclor 1248 (PCB-1248)	EPA 8082A EPA 608.3
Bis(2-ethylhexyl) phthalate	EPA 625.1 EPA 8270D EPA 8270E	Aroclor 1254 (PCB-1254)	EPA 8082A EPA 608.3
Diethyl phthalate	EPA 625.1	Aroclor 1260 (PCB-1260)	EPA 8082A

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Polychlorinated Biphenyls

Aroclor 1260 (PCB-1260)	EPA 608.3
Aroclor 1262 (PCB-1262)	EPA 8082A
Aroclor 1268 (PCB-1268)	EPA 8082A
PCB 101	EPA 8082A
PCB 105	EPA 8082A
PCB 118	EPA 8082A
PCB 128	EPA 8082A
PCB 138	EPA 8082A
PCB 153	EPA 8082A
PCB 170	EPA 8082A
PCB 18	EPA 8082A
PCB 180	EPA 8082A
PCB 183	EPA 8082A
PCB 184	EPA 8082A
PCB 187	EPA 8082A
PCB 195	EPA 8082A
PCB 206	EPA 8082A
PCB 209	EPA 8082A
PCB 28	EPA 8082A
PCB 44	EPA 8082A
PCB 49	EPA 8082A
PCB 52	EPA 8082A
PCB 66	EPA 8082A
PCB 8	EPA 8082A
PCB 87	EPA 8082A
PCB Congeners, Total	EPA 8082A

Polynuclear Aromatics

Acenaphthene	EPA 625.1
	EPA 8270D
	EPA 8270E
Acenaphthylene	EPA 625.1
	EPA 8270D
	EPA 8270E
Anthracene	EPA 625.1
	EPA 8270D
	EPA 8270E
Benzo(a)anthracene	EPA 625.1
	EPA 8270D
	EPA 8270E
Benzo(a)pyrene	EPA 625.1
	EPA 8270D
	EPA 8270E
Benzo(b)fluoranthene	EPA 625.1
	EPA 8270D
	EPA 8270E
Benzo(g,h,i)perylene	EPA 625.1
	EPA 8270D
	EPA 8270E
Benzo(k)fluoranthene	EPA 625.1
	EPA 8270D
	EPA 8270E
Chrysene	EPA 625.1
	EPA 8270D

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Polynuclear Aromatics

Chrysene	EPA 8270E
Dibenzo(a,h)anthracene	EPA 625.1
	EPA 8270D
	EPA 8270E
Fluoranthene	EPA 625.1
	EPA 8270D
	EPA 8270E
Fluorene	EPA 625.1
	EPA 8270D
	EPA 8270E
Indeno(1,2,3-cd)pyrene	EPA 625.1
	EPA 8270D
	EPA 8270E
Naphthalene	EPA 625.1
	EPA 8270D
	EPA 8270E
Phenanthrene	EPA 625.1
	EPA 8270D
	EPA 8270E
Pyrene	EPA 625.1
	EPA 8270D
	EPA 8270E

Priority Pollutant Phenols

2,4,5-Trichlorophenol	EPA 625.1
	EPA 8270D
	EPA 8270E
2,4,6-Trichlorophenol	EPA 625.1
	EPA 8270D
	EPA 8270E
2,4-Dichlorophenol	EPA 625.1
	EPA 8270D
	EPA 8270E
2,4-Dimethylphenol	EPA 625.1
	EPA 8270D
	EPA 8270E
2,4-Dinitrophenol	EPA 625.1
	EPA 8270D
	EPA 8270E
2,6-Dichlorophenol	EPA 8270D
	EPA 8270E
2-Chlorophenol	EPA 625.1
	EPA 8270D
	EPA 8270E
2-Methyl-4,6-dinitrophenol	EPA 625.1
	EPA 8270D
	EPA 8270E
2-Methylphenol	EPA 625.1
	EPA 8270D
	EPA 8270E

Priority Pollutant Phenols

2,3,4,6 Tetrachlorophenol	EPA 8270D
	EPA 8270E

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Priority Pollutant Phenols

		Residue	
2-Nitrophenol	EPA 625.1	Settleable Solids	SM 2540 F-2011
	EPA 8270D	Solids, Total	SM 2540 B-2011
	EPA 8270E	Solids, Total Dissolved	SM 2540 C-2011
3-Methylphenol	EPA 625.1	Solids, Total Suspended	SM 2540 D-2011
	EPA 8270D	Solids, Volatile	SM 2540 E-2011
	EPA 8270E		
4-Chloro-3-methylphenol	EPA 625.1	Semi-Volatile Organics	
	EPA 8270D	1,1'-Biphenyl	EPA 8270D
	EPA 8270E		EPA 8270E
4-Methylphenol	EPA 625.1	1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
	EPA 8270D		EPA 8270E
	EPA 8270E	1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
4-Nitrophenol	EPA 625.1		EPA 8270E
	EPA 8270D	1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
	EPA 8270E		EPA 8270E
Cresols, Total	EPA 625.1	2-Methylnaphthalene	EPA 8270D
	EPA 8270D		EPA 8270E
	EPA 8270E	Acetophenone	EPA 8270D
Pentachlorophenol	EPA 625.1		EPA 8270E
	EPA 8270D	alpha-Terpineol	EPA 625.1
	EPA 8270E	Benzaldehyde	EPA 8270D
Phenol	EPA 625.1		EPA 8270E
	EPA 8270D	Benzoic Acid	EPA 8270D
	EPA 8270E		EPA 8270E
		Benzyl alcohol	EPA 8270D
			EPA 8270E

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Semi-Volatile Organics

Caprolactam	EPA 8270D
	EPA 8270E
Dibenzofuran	EPA 8270D
	EPA 8270E

Volatile Aromatics

1,2,4-Trichlorobenzene, Volatile	EPA 8260D
	EPA 8260C
1,2,4-Trimethylbenzene	EPA 8260D
	EPA 8260C
1,2-Dichlorobenzene	EPA 8260D
	EPA 8260C
	EPA 624.1
1,3,5-Trimethylbenzene	EPA 8260D
	EPA 8260C
1,3-Dichlorobenzene	EPA 8260D
	EPA 8260C
	EPA 624.1
1,4-Dichlorobenzene	EPA 8260D
	EPA 8260C
	EPA 624.1
2-Chlorotoluene	EPA 8260D
	EPA 8260C
4-Chlorotoluene	EPA 8260D
	EPA 8260C
Benzene	EPA 8260D

Volatile Aromatics

Benzene	EPA 8260C
	EPA 624.1
Bromobenzene	EPA 8260D
	EPA 8260C
Chlorobenzene	EPA 8260D
	EPA 8260C
	EPA 624.1
Ethyl benzene	EPA 8260D
	EPA 8260C
	EPA 624.1
Isopropylbenzene	EPA 8260D
	EPA 8260C
m/p-Xylenes	EPA 8260D
	EPA 8260C
	EPA 624.1
Naphthalene, Volatile	EPA 8260D
	EPA 8260C
	EPA 624.1
n-Butylbenzene	EPA 8260D
	EPA 8260C
n-Propylbenzene	EPA 8260D
	EPA 8260C
o-Xylene	EPA 8260D
	EPA 8260C
	EPA 624.1
p-Isopropyltoluene (P-Cymene)	EPA 8260D

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Volatile Aromatics

p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260D
	EPA 8260C
Styrene	EPA 8260D
	EPA 8260C
	EPA 624.1
tert-Butylbenzene	EPA 8260D
	EPA 8260C
Toluene	EPA 8260D
	EPA 8260C
	EPA 624.1
Total Xylenes	EPA 8260D
	EPA 8260C
	EPA 624.1

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 8260D
	EPA 8260C
1,1,1-Trichloroethane	EPA 8260D
	EPA 8260C
	EPA 624.1
1,1,1,2-Tetrachloroethane	EPA 8260D
	EPA 8260C
	EPA 624.1
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260D
	EPA 8260C

Volatile Halocarbons

1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 624.1
1,1,2-Trichloroethane	EPA 8260D
	EPA 8260C
	EPA 624.1
1,1-Dichloroethane	EPA 8260D
	EPA 8260C
	EPA 624.1
1,1-Dichloroethene	EPA 8260D
	EPA 8260C
	EPA 624.1
1,1-Dichloropropene	EPA 8260D
	EPA 8260C
1,2,3-Trichloropropane	EPA 8260D
	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260D
	EPA 8260C
1,2-Dibromoethane	EPA 8260D
	EPA 8260C
1,2-Dichloroethane	EPA 8260D
	EPA 8260C
	EPA 624.1
1,2-Dichloropropane	EPA 8260D
	EPA 8260C
	EPA 624.1
1,3-Dichloropropane	EPA 8260D
	EPA 8260C

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Volatile Halocarbons

2,2-Dichloropropane	EPA 8260D
	EPA 8260C
2-Chloroethylvinyl ether	EPA 8260D
	EPA 8260C
	EPA 624.1
Bromochloromethane	EPA 8260D
	EPA 8260C
Bromodichloromethane	EPA 8260D
	EPA 8260C
	EPA 624.1
Bromoform	EPA 8260D
	EPA 8260C
	EPA 624.1
Bromomethane	EPA 8260D
	EPA 8260C
	EPA 624.1
Carbon tetrachloride	EPA 8260D
	EPA 8260C
	EPA 624.1
Chloroethane	EPA 8260D
	EPA 8260C
	EPA 624.1
Chloroform	EPA 8260D
	EPA 8260C
	EPA 624.1
Chloromethane	EPA 8260D

Volatile Halocarbons

Chloromethane	EPA 8260C
	EPA 624.1
cis-1,2-Dichloroethene	EPA 8260D
	EPA 8260C
	EPA 624.1
cis-1,3-Dichloropropene	EPA 8260D
	EPA 8260C
	EPA 624.1
Dibromochloromethane	EPA 8260D
	EPA 8260C
	EPA 624.1
Dibromomethane	EPA 8260D
	EPA 8260C
	EPA 624.1
Dichlorodifluoromethane	EPA 8260D
	EPA 8260C
	EPA 624.1
Hexachlorobutadiene, Volatile	EPA 8260D
	EPA 8260C
	EPA 624.1
Methyl iodide	EPA 8260D
	EPA 8260C
	EPA 624.1
Methylene chloride	EPA 8260D
	EPA 8260C
	EPA 624.1
Tetrachloroethene	EPA 8260D
	EPA 8260C
	EPA 624.1

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Volatile Halocarbons

trans-1,2-Dichloroethene	EPA 8260D
	EPA 8260C
	EPA 624.1
trans-1,3-Dichloropropene	EPA 8260D
	EPA 8260C
	EPA 624.1
trans-1,4-Dichloro-2-butene	EPA 8260D
	EPA 8260C
Trichloroethene	EPA 8260D
	EPA 8260C
	EPA 624.1
Trichlorofluoromethane	EPA 8260D
	EPA 8260C
	EPA 624.1
Vinyl chloride	EPA 8260D
	EPA 8260C
	EPA 624.1

Volatiles Organics

1,4-Dioxane	EPA 8260D
	EPA 8260C
	EPA 8270D
	EPA 8270D SIM
	EPA 8270E
2-Butanone (Methylethyl ketone)	EPA 8260D
	EPA 8260C

Volatiles Organics

2-Hexanone	EPA 8260D
	EPA 8260C
2-Nitropropane	EPA 8260D
	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260D
	EPA 8260C
Acetone	EPA 8260D
	EPA 8260C
	EPA 624.1
Carbon Disulfide	EPA 8260D
	EPA 8260C
Cyclohexane	EPA 8260D
	EPA 8260C
Di-ethyl ether	EPA 8260D
	EPA 8260C
Ethylene Glycol	EPA 8015D
Isobutyl alcohol	EPA 8015D
Methyl acetate	EPA 8260D
	EPA 8260C
Methyl cyclohexane	EPA 8260D
	EPA 8260C
Propylene Glycol	EPA 8015D
Vinyl acetate	EPA 8260D
	EPA 8260C

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Sample Preparation Methods

SM 4500-P B(5)-2011
EPA 5030C
SM 4500-CN B-2011 and C-2011
EPA 3010A
EPA 3005A
EPA 3510C
EPA 3520C
EPA 3020A
EPA 9010C

Serial No.: 61329

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2021
Issued April 01, 2020

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. PHYLLIS SHILLER
PHOENIX ENVIRONMENTAL LABS
587 EAST MIDDLE TURNPIKE
MANCHESTER, CT 06040

NY Lab Id No: 11301

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Acrylates

Acrolein (Propenal)	EPA 8260D
	EPA 8260C
Acrylonitrile	EPA 8260D
	EPA 8260C

Characteristic Testing

Corrosivity (pH)	EPA 9045D
Free Liquids	EPA 9095B
Ignitability	EPA 1010A
Synthetic Precipitation Leaching Proc.	EPA 1312
TCLP	EPA 1311

Amines

1,2-Diphenylhydrazine	EPA 8270D
	EPA 8270E
2-Nitroaniline	EPA 8270D
	EPA 8270E
3-Nitroaniline	EPA 8270D
	EPA 8270E
4-Chloroaniline	EPA 8270D
	EPA 8270E
4-Nitroaniline	EPA 8270D
	EPA 8270E
Aniline	EPA 8270D
	EPA 8270E
Carbazole	EPA 8270D
	EPA 8270E

Chlorinated Hydrocarbon Pesticides

4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
Atrazine	EPA 8270D
	EPA 8270E
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B

Benzidines

3,3'-Dichlorobenzidine	EPA 8270D
	EPA 8270E
Benzidine	EPA 8270D
	EPA 8270E

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Chlorinated Hydrocarbon Pesticides

Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Mirex	EPA 8081B
Pentachloronitrobenzene	EPA 8270D EPA 8270E
Simazine	EPA 8141B
Toxaphene	EPA 8081B

Chlorinated Hydrocarbons

1,2,3-Trichlorobenzene	EPA 8260D EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D EPA 8270E
1,2,4-Trichlorobenzene	EPA 8270D EPA 8270E
2-Chloronaphthalene	EPA 8270D EPA 8270E
Hexachlorobenzene	EPA 8270D EPA 8270E
Hexachlorobutadiene	EPA 8270D EPA 8270E
Hexachlorocyclopentadiene	EPA 8270D EPA 8270E
Hexachloroethane	EPA 8270D

Chlorinated Hydrocarbons

Hexachloroethane	EPA 8270E
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Chlorophenoxy Acid Pesticides

2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
2,4-DB	EPA 8151A
Dalapon	EPA 8151A
Dicamba	EPA 8151A
Dichloroprop	EPA 8151A
Dinoseb	EPA 8151A
MCPA	EPA 8151A
MCPP	EPA 8151A
Pentachlorophenol	EPA 8151A

Haloethers

2,2'-Oxybis(1-chloropropane)	EPA 8270D EPA 8270E
4-Bromophenylphenyl ether	EPA 8270D EPA 8270E
4-Chlorophenylphenyl ether	EPA 8270D EPA 8270E
Bis(2-chloroethoxy)methane	EPA 8270D EPA 8270E
Bis(2-chloroethyl)ether	EPA 8270D EPA 8270E

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Low Level Polynuclear Aromatic Hydrocarbons

Acenaphthene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Acenaphthylene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Anthracene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Benzo(a)anthracene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Benzo(a)pyrene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Benzo(b)fluoranthene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Benzo(g,h,i)perylene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Benzo(k)fluoranthene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Chrysene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Fluoranthene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Fluorene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D SIM
	EPA 8270E SIM

Low Level Polynuclear Aromatic Hydrocarbons

Naphthalene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Phenanthrene Low Level	EPA 8270D SIM
	EPA 8270E SIM
Pyrene Low Level	EPA 8270D SIM
	EPA 8270E SIM

Metals I

Barium, Total	EPA 6010C
	EPA 6010D
Cadmium, Total	EPA 6010C
	EPA 6010D
Calcium, Total	EPA 6010C
	EPA 6010D
Chromium, Total	EPA 6010C
	EPA 6010D
Copper, Total	EPA 6010C
	EPA 6010D
Iron, Total	EPA 6010C
	EPA 6010D
Lead, Total	EPA 6010C
	EPA 6010D
Magnesium, Total	EPA 6010C
	EPA 6010D
Manganese, Total	EPA 6010C
	EPA 6010D

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Metals I		Metals II	
Nickel, Total	EPA 6010C EPA 6010D	Zinc, Total	EPA 6010C EPA 6010D
Potassium, Total	EPA 6010C EPA 6010D	Metals III	
Silver, Total	EPA 6010C EPA 6010D	Cobalt, Total	EPA 6010C EPA 6010D
Sodium, Total	EPA 6010C EPA 6010D	Molybdenum, Total	EPA 6010C EPA 6010D
Strontium, Total	EPA 6010C EPA 6010D	Thallium, Total	EPA 6010C EPA 6010D
Metals II		Tin, Total	EPA 6010C EPA 6010D
Aluminum, Total	EPA 6010C EPA 6010D	Titanium, Total	EPA 6010C EPA 6010D
Antimony, Total	EPA 6010C EPA 6010D	Minerals	
Arsenic, Total	EPA 6010C EPA 6010D	Bromide	EPA 9056A
Beryllium, Total	EPA 6010C EPA 6010D	Chloride	EPA 9056A
Chromium VI	EPA 7196A	Fluoride, Total	EPA 9056A
Mercury, Total	EPA 7471B	Sulfate (as SO ₄)	EPA 9056A
Selenium, Total	EPA 6010C EPA 6010D	Miscellaneous	
Vanadium, Total	EPA 6010C EPA 6010D	Boron, Total	EPA 6010C EPA 6010D
		Cyanide, Total	EPA 9012B
		Formaldehyde	EPA 8315A
		Organic Carbon, Total	Lloyd Kahn Method

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Miscellaneous

Organic Carbon, Total	EPA 9060A
Phenols	EPA 9066
Specific Conductance	EPA 9050A
Sulfide (as S)	EPA 9034

Nitroaromatics and Isophorone

2,4-Dinitrotoluene	EPA 8270D
	EPA 8270E
2,6-Dinitrotoluene	EPA 8270D
	EPA 8270E
Isophorone	EPA 8270D
	EPA 8270E
Nitrobenzene	EPA 8270D
	EPA 8270E
Pyridine	EPA 8270D
	EPA 8270E

Nitrosoamines

N-Nitrosodimethylamine	EPA 8270D
	EPA 8270E
N-Nitrosodi-n-propylamine	EPA 8270D
	EPA 8270E
N-Nitrosodiphenylamine	EPA 8270D
	EPA 8270E

Nutrients

Nitrate (as N)	EPA 9056A
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Nutrients

Nitrite (as N)	EPA 9056A
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Organophosphate Pesticides

Azinphos methyl	EPA 8141B
Diazinon	EPA 8141B
Disulfoton	EPA 8141B
Malathion	EPA 8141B
Parathion ethyl	EPA 8270D
	EPA 8270E

Petroleum Hydrocarbons

Diesel Range Organics	EPA 8015D
Gasoline Range Organics	EPA 8015D
Oil and Grease Total Recoverable (HEM)	EPA 9071B (Solvent:Hexane)

Phthalate Esters

Benzyl butyl phthalate	EPA 8270D
	EPA 8270E
Bis(2-ethylhexyl) phthalate	EPA 8270D
	EPA 8270E
Diethyl phthalate	EPA 8270D
	EPA 8270E
Dimethyl phthalate	EPA 8270D
	EPA 8270E
Di-n-butyl phthalate	EPA 8270D
	EPA 8270E
Di-n-octyl phthalate	EPA 8270D

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Phthalate Esters

Di-n-octyl phthalate EPA 8270E

Polychlorinated Biphenyls

Aroclor 1016 (PCB-1016) EPA 8082A
Aroclor 1016 (PCB-1016) in Oil EPA 8082A
Aroclor 1221 (PCB-1221) EPA 8082A
Aroclor 1221 (PCB-1221) in Oil EPA 8082A
Aroclor 1232 (PCB-1232) EPA 8082A
Aroclor 1232 (PCB-1232) in Oil EPA 8082A
Aroclor 1242 (PCB-1242) EPA 8082A
Aroclor 1242 (PCB-1242) in Oil EPA 8082A
Aroclor 1248 (PCB-1248) EPA 8082A
Aroclor 1248 (PCB-1248) in Oil EPA 8082A
Aroclor 1254 (PCB-1254) EPA 8082A
Aroclor 1254 (PCB-1254) in Oil EPA 8082A
Aroclor 1260 (PCB-1260) EPA 8082A
Aroclor 1260 (PCB-1260) in Oil EPA 8082A
Aroclor 1262 (PCB-1262) EPA 8082A
Aroclor 1262 (PCB-1262) in Oil EPA 8082A
Aroclor 1268 (PCB-1268) EPA 8082A
Aroclor 1268 (PCB-1268) in Oil EPA 8082A
PCB 101 EPA 8082A
PCB 105 EPA 8082A
PCB 118 EPA 8082A
PCB 128 EPA 8082A
PCB 138 EPA 8082A

Polychlorinated Biphenyls

PCB 153 EPA 8082A
PCB 170 EPA 8082A
PCB 18 EPA 8082A
PCB 180 EPA 8082A
PCB 183 EPA 8082A
PCB 184 EPA 8082A
PCB 187 EPA 8082A
PCB 195 EPA 8082A
PCB 206 EPA 8082A
PCB 209 EPA 8082A
PCB 28 EPA 8082A
PCB 44 EPA 8082A
PCB 49 EPA 8082A
PCB 52 EPA 8082A
PCB 66 EPA 8082A
PCB 8 EPA 8082A
PCB 87 EPA 8082A
PCB Congeners, Total EPA 8082A

Polynuclear Aromatic Hydrocarbons

Acenaphthene EPA 8270D
EPA 8270E
Acenaphthylene EPA 8270D
EPA 8270E
Anthracene EPA 8270D
EPA 8270E

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Polynuclear Aromatic Hydrocarbons

Benzo(a)anthracene	EPA 8270D
	EPA 8270E
Benzo(a)pyrene	EPA 8270D
	EPA 8270E
Benzo(b)fluoranthene	EPA 8270D
	EPA 8270E
Benzo(g,h,i)perylene	EPA 8270D
	EPA 8270E
Benzo(k)fluoranthene	EPA 8270D
	EPA 8270E
Chrysene	EPA 8270D
	EPA 8270E
Dibenzo(a,h)anthracene	EPA 8270D
	EPA 8270E
Fluoranthene	EPA 8270D
	EPA 8270E
Fluorene	EPA 8270D
	EPA 8270E
Indeno(1,2,3-cd)pyrene	EPA 8270D
	EPA 8270E
Naphthalene	EPA 8270D
	EPA 8270E
Phenanthrene	EPA 8270D
	EPA 8270E
Pyrene	EPA 8270D
	EPA 8270E

Priority Pollutant Phenols

2,3,4,6 Tetrachlorophenol	EPA 8270D
	EPA 8270E
2,4,5-Trichlorophenol	EPA 8270D
	EPA 8270E
2,4,6-Trichlorophenol	EPA 8270D
	EPA 8270E
2,4-Dichlorophenol	EPA 8270D
	EPA 8270E
2,4-Dimethylphenol	EPA 8270D
	EPA 8270E
2,4-Dinitrophenol	EPA 8270D
	EPA 8270E
2,6-Dichlorophenol	EPA 8270D
	EPA 8270E
2-Chlorophenol	EPA 8270D
	EPA 8270E
2-Methyl-4,6-dinitrophenol	EPA 8270D
	EPA 8270E
2-Methylphenol	EPA 8270D
	EPA 8270E
2-Nitrophenol	EPA 8270D
	EPA 8270E
3-Methylphenol	EPA 8270D
	EPA 8270E
4-Chloro-3-methylphenol	EPA 8270D
	EPA 8270E

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Priority Pollutant Phenols

4-Methylphenol	EPA 8270D
	EPA 8270E
4-Nitrophenol	EPA 8270D
	EPA 8270E
Pentachlorophenol	EPA 8270D
	EPA 8270E
Phenol	EPA 8270D
	EPA 8270E

Semi-Volatile Organics

1,1'-Biphenyl	EPA 8270D
	EPA 8270E
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
	EPA 8270E
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
	EPA 8270E
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
	EPA 8270E
2-Methylnaphthalene	EPA 8270D
	EPA 8270E
Acetophenone	EPA 8270D
	EPA 8270E
Benzaldehyde	EPA 8270D
	EPA 8270E
Benzoic Acid	EPA 8270D
	EPA 8270E

Semi-Volatile Organics

Benzyl alcohol	EPA 8270D
	EPA 8270E
Caprolactam	EPA 8270D
	EPA 8270E
Dibenzofuran	EPA 8270D
	EPA 8270E

Volatile Aromatics

1,2,4-Trichlorobenzene, Volatile	EPA 8260D
	EPA 8260C
1,2,4-Trimethylbenzene	EPA 8260D
	EPA 8260C
1,2-Dichlorobenzene	EPA 8260D
	EPA 8260C
1,3,5-Trimethylbenzene	EPA 8260D
	EPA 8260C
1,3-Dichlorobenzene	EPA 8260D
	EPA 8260C
1,4-Dichlorobenzene	EPA 8260D
	EPA 8260C
2-Chlorotoluene	EPA 8260D
	EPA 8260C
4-Chlorotoluene	EPA 8260D
	EPA 8260C
Benzene	EPA 8260D
	EPA 8260C

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Volatile Aromatics

Bromobenzene	EPA 8260D
	EPA 8260C
Chlorobenzene	EPA 8260D
	EPA 8260C
Ethyl benzene	EPA 8260D
	EPA 8260C
Isopropylbenzene	EPA 8260D
	EPA 8260C
m/p-Xylenes	EPA 8260D
	EPA 8260C
Naphthalene, Volatile	EPA 8260D
	EPA 8260C
n-Butylbenzene	EPA 8260D
	EPA 8260C
n-Propylbenzene	EPA 8260D
	EPA 8260C
o-Xylene	EPA 8260D
	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260D
	EPA 8260C
sec-Butylbenzene	EPA 8260D
	EPA 8260C
Styrene	EPA 8260D
	EPA 8260C
tert-Butylbenzene	EPA 8260D
	EPA 8260C

Volatile Aromatics

Toluene	EPA 8260D
	EPA 8260C
Total Xylenes	EPA 8260D
	EPA 8260C

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 8260D
	EPA 8260C
1,1,1-Trichloroethane	EPA 8260D
	EPA 8260C
1,1,2,2-Tetrachloroethane	EPA 8260D
	EPA 8260C
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260D
	EPA 8260C
1,1,2-Trichloroethane	EPA 8260D
	EPA 8260C
1,1-Dichloroethane	EPA 8260D
	EPA 8260C
1,1-Dichloroethene	EPA 8260D
	EPA 8260C
1,1-Dichloropropene	EPA 8260D
	EPA 8260C
1,2,3-Trichloropropane	EPA 8260D
	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260D
	EPA 8260C

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Volatile Halocarbons

1,2-Dibromoethane	EPA 8260D
	EPA 8260C
1,2-Dichloroethane	EPA 8260D
	EPA 8260C
1,2-Dichloropropane	EPA 8260D
	EPA 8260C
1,3-Dichloropropane	EPA 8260D
	EPA 8260C
2,2-Dichloropropane	EPA 8260D
	EPA 8260C
Bromochloromethane	EPA 8260D
	EPA 8260C
Bromodichloromethane	EPA 8260D
	EPA 8260C
Bromoform	EPA 8260D
	EPA 8260C
Bromomethane	EPA 8260D
	EPA 8260C
Carbon tetrachloride	EPA 8260D
	EPA 8260C
Chloroethane	EPA 8260D
	EPA 8260C
Chloroform	EPA 8260D
	EPA 8260C
Chloromethane	EPA 8260D
	EPA 8260C

Volatile Halocarbons

cis-1,2-Dichloroethene	EPA 8260D
	EPA 8260C
cis-1,3-Dichloropropene	EPA 8260D
	EPA 8260C
Dibromochloromethane	EPA 8260D
	EPA 8260C
Dibromomethane	EPA 8260D
	EPA 8260C
Dichlorodifluoromethane	EPA 8260D
	EPA 8260C
Hexachlorobutadiene, Volatile	EPA 8260D
	EPA 8260C
Methylene chloride	EPA 8260D
	EPA 8260C
Tetrachloroethene	EPA 8260D
	EPA 8260C
trans-1,2-Dichloroethene	EPA 8260D
	EPA 8260C
trans-1,3-Dichloropropene	EPA 8260D
	EPA 8260C
trans-1,4-Dichloro-2-butene	EPA 8260D
	EPA 8260C
Trichloroethene	EPA 8260D
	EPA 8260C
Trichlorofluoromethane	EPA 8260D
	EPA 8260C

Serial No.: 61330

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2021
Issued April 01, 2020

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. PHYLLIS SHILLER
PHOENIX ENVIRONMENTAL LABS
587 EAST MIDDLE TURNPIKE
MANCHESTER, CT 06040

NY Lab Id No: 11301

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Volatile Halocarbons

Vinyl chloride	EPA 8260D
	EPA 8260C

Volatile Organics

1,4-Dioxane	EPA 8260D
	EPA 8260C
	EPA 8270D SIM
	EPA 8270E SIM

2-Butanone (Methylethyl ketone)	EPA 8260D
	EPA 8260C

2-Hexanone	EPA 8260D
	EPA 8260C

2-Nitropropane	EPA 8260D
	EPA 8260C

4-Methyl-2-Pentanone	EPA 8260D
	EPA 8260C

Acetone	EPA 8260D
	EPA 8260C

Carbon Disulfide	EPA 8260D
	EPA 8260C

Cyclohexane	EPA 8260D
	EPA 8260C

Di-ethyl ether	EPA 8260D
	EPA 8260C

Ethylene Glycol	EPA 8260D
	EPA 8260C

Volatile Organics

Ethylene Glycol	EPA 8015D
Isobutyl alcohol	EPA 8015D
Methyl acetate	EPA 8260D

	EPA 8260C
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Methyl cyclohexane	EPA 8260D
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	EPA 8260C
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Methyl tert-butyl ether	EPA 8260D
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	EPA 8260C
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tert-butyl alcohol	EPA 8260D
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	EPA 8260C
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Tetrahydrofuran	EPA 8260D
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	EPA 8260C
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Vinyl acetate	EPA 8260D
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	EPA 8260C
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Sample Preparation Methods

EPA 5035A-L

EPA 5035A-H

EPA 3580A

EPA 9030B

EPA 3050B

EPA 3550C

EPA 3540C

EPA 3545A

EPA 3051A

EPA 5021A

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NY Lab Id No: 11301

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Sample Preparation Methods

EPA 3060A

EPA 9010C

Serial No.: 61330

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WADSWORTH CENTER



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MANCHESTER, CT 06040

NY Lab Id No: 11301

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Lead in Dust Wipes	EPA 6010C
	EPA 6010D
Lead in Paint	EPA 6010C
	EPA 6010D

Sample Preparation Methods

EPA 3050B
EPA 3051A

Serial No.: 61331

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



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Issued April 01, 2020

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MS. PHYLLIS SHILLER
PHOENIX ENVIRONMENTAL LABS
587 EAST MIDDLE TURNPIKE
MANCHESTER, CT 06040

NY Lab Id No: 11301

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National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved analytes are listed below:*

Acrylates

Acrylonitrile	EPA TO-15
Methyl methacrylate	EPA TO-15

Chlorinated Hydrocarbons

1,2,4-Trichlorobenzene	EPA TO-15
Hexachlorobutadiene	EPA TO-15
Hexachloroethane	EPA TO-15

Metals I

Lead, Total	EPA 7010
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Polychlorinated Biphenyls

PCBs and Aroclors	EPA TO-10A
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Polynuclear Aromatics

Naphthalene	EPA TO-15
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Purgeable Aromatics

1,2,4-Trimethylbenzene	EPA TO-15
1,2-Dichlorobenzene	EPA TO-15
1,3,5-Trimethylbenzene	EPA TO-15
1,3-Dichlorobenzene	EPA TO-15
1,4-Dichlorobenzene	EPA TO-15
2-Chlorotoluene	EPA TO-15
Benzene	EPA TO-15
Chlorobenzene	EPA TO-15
Ethyl benzene	EPA TO-15
Isopropylbenzene	EPA TO-15

Purgeable Aromatics

m/p-Xylenes	EPA TO-15
o-Xylene	EPA TO-15
Styrene	EPA TO-15
Toluene	EPA TO-15
Total Xylenes	EPA TO-15

Purgeable Halocarbons

1,1,1-Trichloroethane	EPA TO-15
1,1,2,2-Tetrachloroethane	EPA TO-15
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA TO-15
1,1,2-Trichloroethane	EPA TO-15
1,1-Dichloroethane	EPA TO-15
1,1-Dichloroethene	EPA TO-15
1,2-Dibromo-3-chloropropane	EPA TO-15
1,2-Dibromoethane	EPA TO-15
1,2-Dichloroethane	EPA TO-15
1,2-Dichloropropane	EPA TO-15
3-Chloropropene (Allyl chloride)	EPA TO-15
Bromodichloromethane	EPA TO-15
Bromoform	EPA TO-15
Bromomethane	EPA TO-15
Carbon tetrachloride	EPA TO-15
Chloroethane	EPA TO-15
Chloroform	EPA TO-15
Chloromethane	EPA TO-15
cis-1,2-Dichloroethene	EPA TO-15

Serial No.: 61332

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2021
Issued April 01, 2020

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. PHYLLIS SHILLER
PHOENIX ENVIRONMENTAL LABS
587 EAST MIDDLE TURNPIKE
MANCHESTER, CT 06040

NY Lab Id No: 11301

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved analytes are listed below:*

Purgeable Halocarbons

cis-1,3-Dichloropropene	EPA TO-15
Dibromochloromethane	EPA TO-15
Dichlorodifluoromethane	EPA TO-15
Methylene chloride	EPA TO-15
Tetrachloroethene	EPA TO-15
trans-1,2-Dichloroethene	EPA TO-15
trans-1,3-Dichloropropene	EPA TO-15
Trichloroethene	EPA TO-15
Trichlorofluoromethane	EPA TO-15
Vinyl bromide	EPA TO-15
Vinyl chloride	EPA TO-15

Volatile Organics

Methyl tert-butyl ether	EPA TO-15
n-Heptane	EPA TO-15
tert-butyl alcohol	EPA TO-15

Volatile Chlorinated Organics

Benzyl chloride	EPA TO-15
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Volatile Organics

1,2-Dichlorotetrafluoroethane	EPA TO-15
1,3-Butadiene	EPA TO-15
1,4-Dioxane	EPA TO-15
2,2,4-Trimethylpentane	EPA TO-15
2-Butanone (Methylethyl ketone)	EPA TO-15
4-Methyl-2-Pentanone	EPA TO-15
Acetone	EPA TO-15
Carbon Disulfide	EPA TO-15
Cyclohexane	EPA TO-15
Hexane	EPA TO-15
Isopropanol	EPA TO-15

Serial No.: 61332

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APPENDIX VIII



Monday, August 31, 2020

Attn: Kristine Garbarino
Tectonic Engineering
70 Pleasant Hill Road
Mountainville, NY 10953

Project ID: 10128.01 ORANGETOWN TOWN HALL
SDG ID: GCG62698
Sample ID#s: CG62698 - CG62704

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Sample Id Cross Reference

August 31, 2020

SDG I.D.: GCG62698

Project ID: 10128.01 ORANGETOWN TOWN HALL

Client Id	Lab Id	Matrix
CLEAR CAULK (A)	CG62698	CAULK
WHITE CAULK (P)	CG62699	CAULK
WHITE CAULK (U)	CG62700	CAULK
BROWN GLAZE (S)	CG62701	CAULK
SILVER CAULK (T)	CG62702	CAULK
WHITE CAULK (AB)	CG62703	CAULK
WHITE CAULK (AE)	CG62704	CAULK



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 31, 2020

FOR: Attn: Kristine Garbarino
Tectonic Engineering
70 Pleasant Hill Road
Mountainville, NY 10953

Sample Information

Matrix: CAULK
Location Code: TECTONIC
Rush Request: Standard
P.O.#: 176455

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

08/25/20
08/26/20

Time

7:15
16:36

Laboratory Data

SDG ID: GCG62698
Phoenix ID: CG62698

Project ID: 10128.01 ORANGETOWN TOWN HALL
Client ID: CLEAR CAULK (A)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/26/20	B/KL/JJ	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	330	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1221	ND	330	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1232	ND	330	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1242	ND	330	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1248	ND	330	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1254	ND	330	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1260	ND	330	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1262	ND	330	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1268	ND	330	ug/Kg	2	08/27/20	SC	SW8082A

QA/QC Surrogates

% DCBP	62	%	2	08/27/20	SC	30 - 150 %
% DCBP (Confirmation)	62	%	2	08/27/20	SC	30 - 150 %
% TCMX	44	%	2	08/27/20	SC	30 - 150 %
% TCMX (Confirmation)	51	%	2	08/27/20	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

August 31, 2020

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 31, 2020

FOR: Attn: Kristine Garbarino
Tectonic Engineering
70 Pleasant Hill Road
Mountainville, NY 10953

Sample Information

Matrix: CAULK
Location Code: TECTONIC
Rush Request: Standard
P.O.#: 176455

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

08/25/20
08/26/20

Time

8:03
16:36

Laboratory Data

SDG ID: GCG62698
Phoenix ID: CG62699

Project ID: 10128.01 ORANGETOWN TOWN HALL
Client ID: WHITE CAULK (P)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/26/20	B/KL/JJ	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	470	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1221	ND	470	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1232	ND	470	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1242	ND	470	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1248	ND	470	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1254	ND	470	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1260	ND	470	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1262	ND	470	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1268	ND	470	ug/Kg	2	08/27/20	SC	SW8082A

QA/QC Surrogates

% DCBP	82	%	2	08/27/20	SC	30 - 150 %
% DCBP (Confirmation)	80	%	2	08/27/20	SC	30 - 150 %
% TCMX	62	%	2	08/27/20	SC	30 - 150 %
% TCMX (Confirmation)	64	%	2	08/27/20	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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Phyllis Shiller, Laboratory Director

August 31, 2020

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 31, 2020

FOR: Attn: Kristine Garbarino
Tectonic Engineering
70 Pleasant Hill Road
Mountainville, NY 10953

Sample Information

Matrix: CAULK
Location Code: TECTONIC
Rush Request: Standard
P.O.#: 176455

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

08/25/20
08/26/20

Time

8:12
16:36

Laboratory Data

SDG ID: GCG62698
Phoenix ID: CG62700

Project ID: 10128.01 ORANGETOWN TOWN HALL
Client ID: WHITE CAULK (U)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/26/20	B/KL/JJ	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	790	ug/Kg	5	08/27/20	SC	SW8082A
PCB-1221	ND	790	ug/Kg	5	08/27/20	SC	SW8082A
PCB-1232	ND	790	ug/Kg	5	08/27/20	SC	SW8082A
PCB-1242	ND	790	ug/Kg	5	08/27/20	SC	SW8082A
PCB-1248	ND	790	ug/Kg	5	08/27/20	SC	SW8082A
PCB-1254	ND	790	ug/Kg	5	08/27/20	SC	SW8082A
PCB-1260	ND	790	ug/Kg	5	08/27/20	SC	SW8082A
PCB-1262	ND	790	ug/Kg	5	08/27/20	SC	SW8082A
PCB-1268	ND	790	ug/Kg	5	08/27/20	SC	SW8082A

QA/QC Surrogates

% DCBP	64	%	5	08/27/20	SC	30 - 150 %
% DCBP (Confirmation)	65	%	5	08/27/20	SC	30 - 150 %
% TCMX	52	%	5	08/27/20	SC	30 - 150 %
% TCMX (Confirmation)	51	%	5	08/27/20	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

August 31, 2020

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 31, 2020

FOR: Attn: Kristine Garbarino
Tectonic Engineering
70 Pleasant Hill Road
Mountainville, NY 10953

Sample Information

Matrix: CAULK
Location Code: TECTONIC
Rush Request: Standard
P.O.#: 176455

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

08/25/20
08/26/20

Time

8:57
16:36

Laboratory Data

SDG ID: GCG62698
Phoenix ID: CG62701

Project ID: 10128.01 ORANGETOWN TOWN HALL
Client ID: BROWN GLAZE (S)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/26/20	B/KL/JJ	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	520	ug/Kg	1	08/27/20	SC	SW8082A
PCB-1221	ND	520	ug/Kg	1	08/27/20	SC	SW8082A
PCB-1232	ND	520	ug/Kg	1	08/27/20	SC	SW8082A
PCB-1242	ND	520	ug/Kg	1	08/27/20	SC	SW8082A
PCB-1248	ND	520	ug/Kg	1	08/27/20	SC	SW8082A
PCB-1254	ND	520	ug/Kg	1	08/27/20	SC	SW8082A
PCB-1260	ND	520	ug/Kg	1	08/27/20	SC	SW8082A
PCB-1262	ND	520	ug/Kg	1	08/27/20	SC	SW8082A
PCB-1268	ND	520	ug/Kg	1	08/27/20	SC	SW8082A

QA/QC Surrogates

% DCBP	69	%	1	08/27/20	SC	30 - 150 %
% DCBP (Confirmation)	78	%	1	08/27/20	SC	30 - 150 %
% TCMX	45	%	1	08/27/20	SC	30 - 150 %
% TCMX (Confirmation)	53	%	1	08/27/20	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

August 31, 2020

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 31, 2020

FOR: Attn: Kristine Garbarino
Tectonic Engineering
70 Pleasant Hill Road
Mountainville, NY 10953

Sample Information

Matrix: CAULK
Location Code: TECTONIC
Rush Request: Standard
P.O.#: 176455

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

08/25/20
08/26/20

Time

9:05
16:36

Laboratory Data

SDG ID: GCG62698
Phoenix ID: CG62702

Project ID: 10128.01 ORANGETOWN TOWN HALL
Client ID: SILVER CAULK (T)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/26/20	B/KL/JJ	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	790	ug/Kg	1	08/27/20	SC	SW8082A
PCB-1221	ND	790	ug/Kg	1	08/27/20	SC	SW8082A
PCB-1232	ND	790	ug/Kg	1	08/27/20	SC	SW8082A
PCB-1242	ND	790	ug/Kg	1	08/27/20	SC	SW8082A
PCB-1248	ND	790	ug/Kg	1	08/27/20	SC	SW8082A
PCB-1254	ND	790	ug/Kg	1	08/27/20	SC	SW8082A
PCB-1260	ND	790	ug/Kg	1	08/27/20	SC	SW8082A
PCB-1262	ND	790	ug/Kg	1	08/27/20	SC	SW8082A
PCB-1268	ND	790	ug/Kg	1	08/27/20	SC	SW8082A

QA/QC Surrogates

% DCBP	69	%	1	08/27/20	SC	30 - 150 %
% DCBP (Confirmation)	73	%	1	08/27/20	SC	30 - 150 %
% TCMX	44	%	1	08/27/20	SC	30 - 150 %
% TCMX (Confirmation)	52	%	1	08/27/20	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

August 31, 2020

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 31, 2020

FOR: Attn: Kristine Garbarino
Tectonic Engineering
70 Pleasant Hill Road
Mountainville, NY 10953

Sample Information

Matrix: CAULK
Location Code: TECTONIC
Rush Request: Standard
P.O.#: 176455

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

08/25/20
08/26/20

Time

11:22
16:36

Laboratory Data

SDG ID: GCG62698
Phoenix ID: CG62703

Project ID: 10128.01 ORANGETOWN TOWN HALL
Client ID: WHITE CAULK (AB)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/26/20	B/KL/JJ	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	790	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1221	ND	790	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1232	ND	790	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1242	ND	790	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1248	ND	790	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1254	ND	790	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1260	ND	790	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1262	ND	790	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1268	ND	790	ug/Kg	2	08/27/20	SC	SW8082A

QA/QC Surrogates

% DCBP	74	%	2	08/27/20	SC	30 - 150 %
% DCBP (Confirmation)	75	%	2	08/27/20	SC	30 - 150 %
% TCMX	52	%	2	08/27/20	SC	30 - 150 %
% TCMX (Confirmation)	55	%	2	08/27/20	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

August 31, 2020

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 31, 2020

FOR: Attn: Kristine Garbarino
Tectonic Engineering
70 Pleasant Hill Road
Mountainville, NY 10953

Sample Information

Matrix: CAULK
Location Code: TECTONIC
Rush Request: Standard
P.O.#: 176455

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

08/25/20
08/26/20

Time

13:20
16:36

Laboratory Data

SDG ID: GCG62698
Phoenix ID: CG62704

Project ID: 10128.01 ORANGETOWN TOWN HALL
Client ID: WHITE CAULK (AE)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/26/20	B/KL/JJ	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	330	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1221	ND	330	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1232	ND	330	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1242	ND	330	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1248	ND	330	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1254	ND	330	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1260	ND	330	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1262	ND	330	ug/Kg	2	08/27/20	SC	SW8082A
PCB-1268	ND	330	ug/Kg	2	08/27/20	SC	SW8082A

QA/QC Surrogates

% DCBP	74	%	2	08/27/20	SC	30 - 150 %
% DCBP (Confirmation)	75	%	2	08/27/20	SC	30 - 150 %
% TCMX	55	%	2	08/27/20	SC	30 - 150 %
% TCMX (Confirmation)	57	%	2	08/27/20	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

August 31, 2020

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

August 31, 2020

QA/QC Data

SDG I.D.: GCG62698


Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 542971 (ug/Kg), QC Sample No: CG59855 10X (CG62698, CG62699, CG62700, CG62701, CG62702, CG62703, CG62704)										
<u>Polychlorinated Biphenyls</u>										
PCB-1016	ND	170	82	79	3.7				40 - 140	30
PCB-1221	ND	170							40 - 140	30
PCB-1232	ND	170							40 - 140	30
PCB-1242	ND	170							40 - 140	30
PCB-1248	ND	170							40 - 140	30
PCB-1254	ND	170							40 - 140	30
PCB-1260	ND	170	87	95	8.8				40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	112	%	113	116	2.6				30 - 150	30
% DCBP (Surrogate Rec) (Confirm)	110	%	111	101	9.4				30 - 150	30
% TCMX (Surrogate Rec)	90	%	87	84	3.5				30 - 150	30
% TCMX (Surrogate Rec) (Confirm)	88	%	88	79	10.8				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference


Phyllis Shiller, Laboratory Director
August 31, 2020

Monday, August 31, 2020

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCG62698 - TECTONIC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



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Analysis Comments

August 31, 2020

SDG I.D.: GCG62698

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

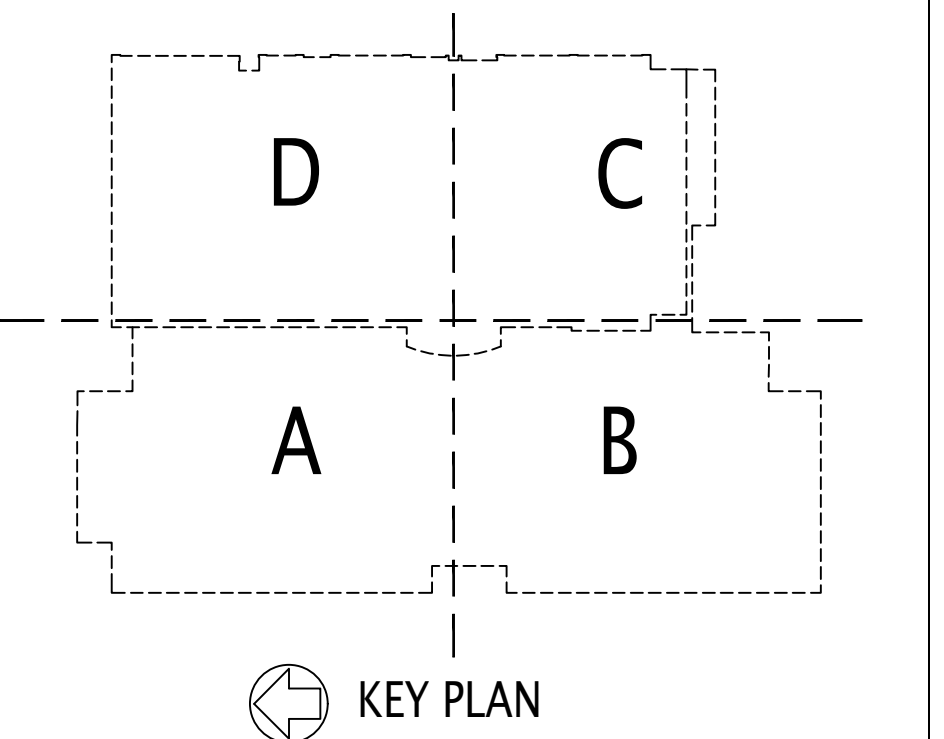


NY Temperature Narration

August 31, 2020

SDG I.D.: GCG62698

The samples in this delivery group were received at 2.3°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



2.5" MINERAL WOOL BATT INSULATION - R10
4" RIGID INSULATION AT EXTERIOR WALL - R15.6
CONCRETE BLOCK - R1
4" UNDERSLAB INSULATION - R22
5" ROOF INSULATION - R30 MINIMUM

SKYLIGHT - U0.28
FIXED WINDOWS - U0.35
STOREFRONT SYSTEM - U0.37
EXTERIOR DOORS W/ GLAZING - U0.82
EXTERIOR SOLID DOORS - U0.44
ALL EXTERIOR GLAZING - SOLAR HEAT GAIN
COEFFICIENT = 0.27

ISSUE NO.	ISSUE DATE	DESCRIPTION
1	12/3/2021	ADDENDUM 1
1	11/9/2021	RELEASE FOR BID



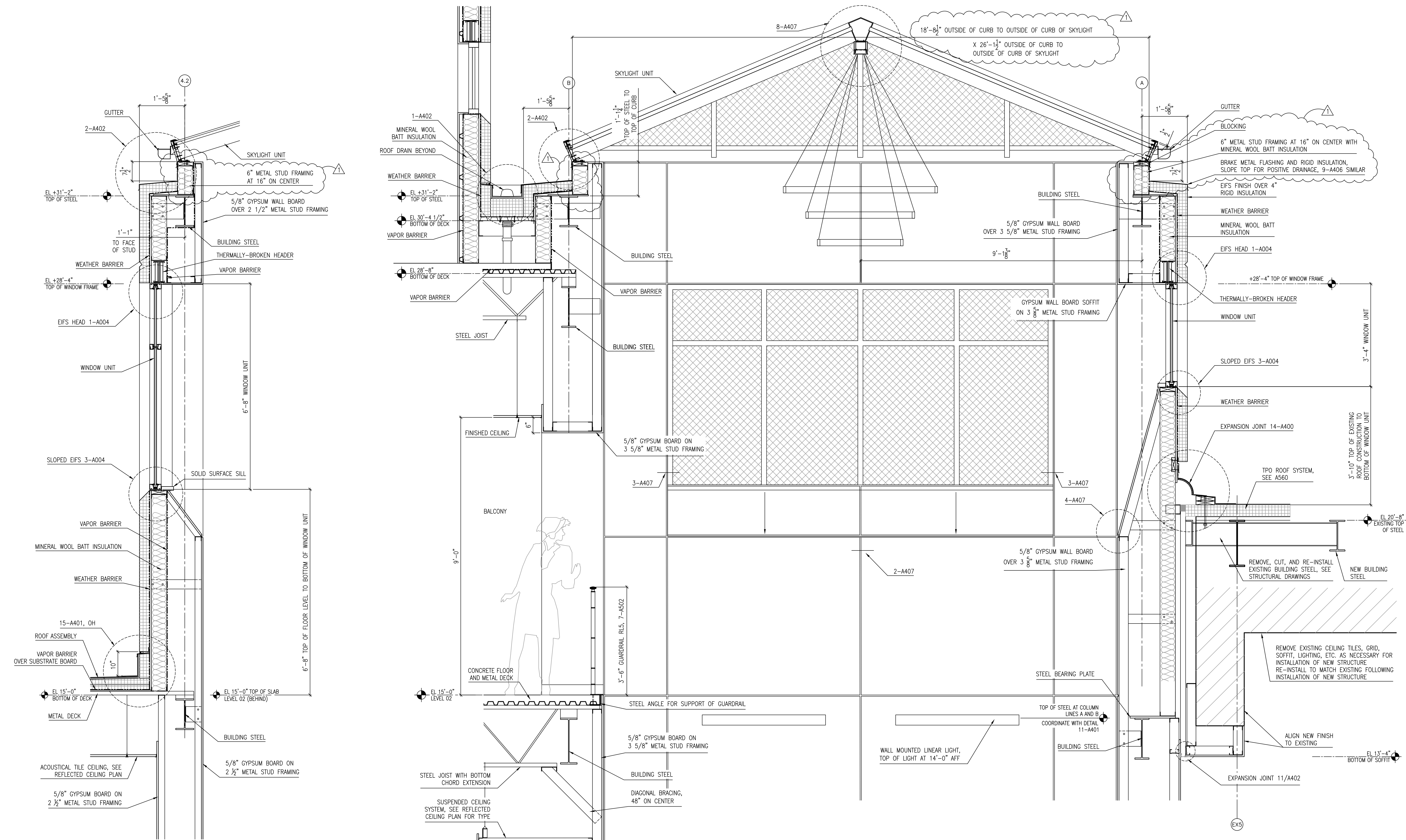
ORANGETOWN
TOWN HALL
ADDITION AND ALTERATIONS
26 ORANGEBURG RD
ORANGEBURG, NEW YORK 10962

SECTIONS, ELEVATIONS
AND DETAILS

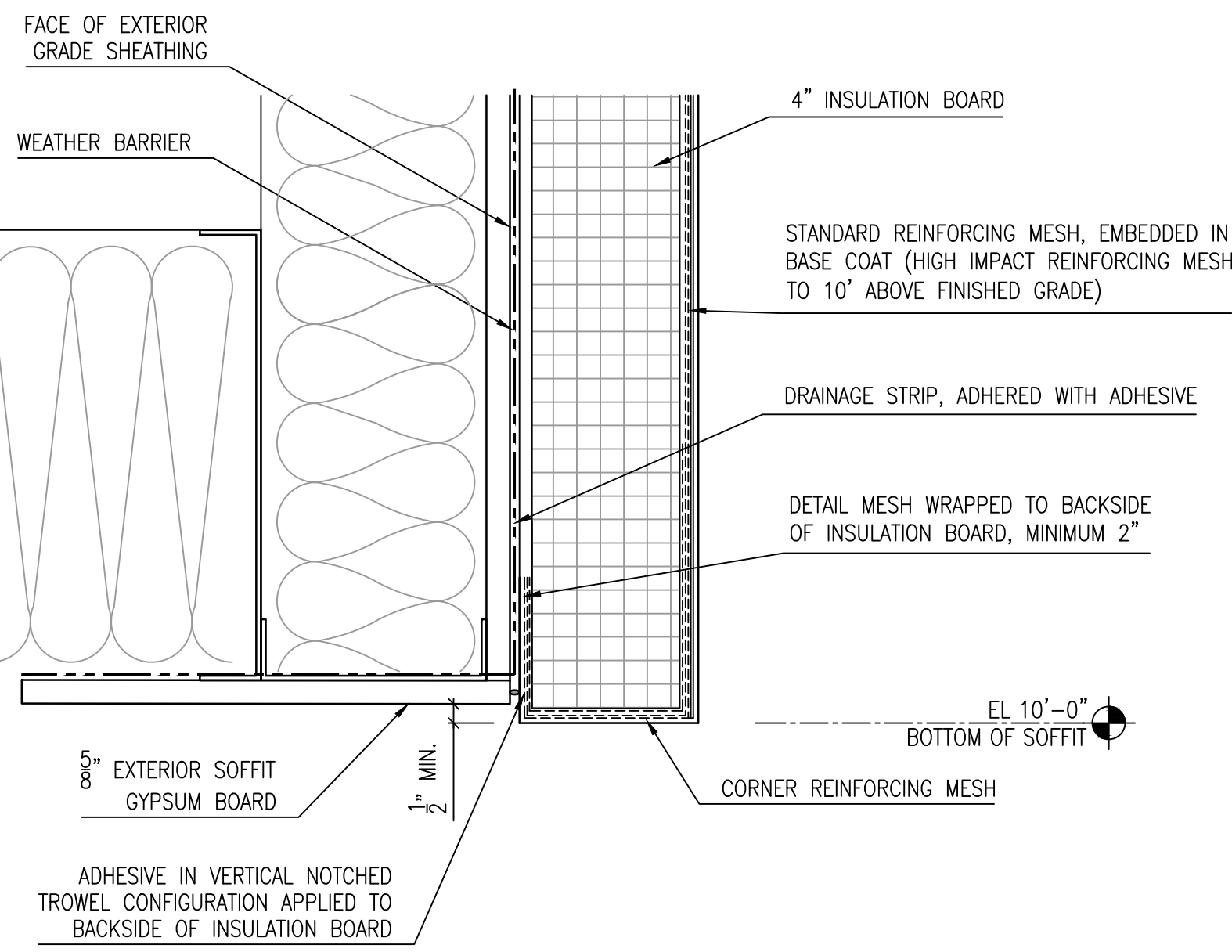
PROJECT NO.: 2219-05 SCALE: AS NOTED

DRAWING NO.:

A400



9 WALL SECTION AT SKYLIGHT
3/4" = 1'-0"



11 EIFS TRANSITION AT EXTERIOR SOFFIT
3" = 1'-0"

FACE OF EXTERIOR GRADE SHEATHING

WEATHER BARRIER

4" INSULATION BOARD

STANDARD REINFORCING MESH, EMBEDDED IN BASE COAT (HIGH IMPACT REINFORCING MESH TO 10' ABOVE FINISHED GRADE)

DRAINAGE STRIP, ADHERED WITH ADHESIVE

DETAIL MESH WRAPPED TO BACKSIDE OF INSULATION BOARD, MINIMUM 2"

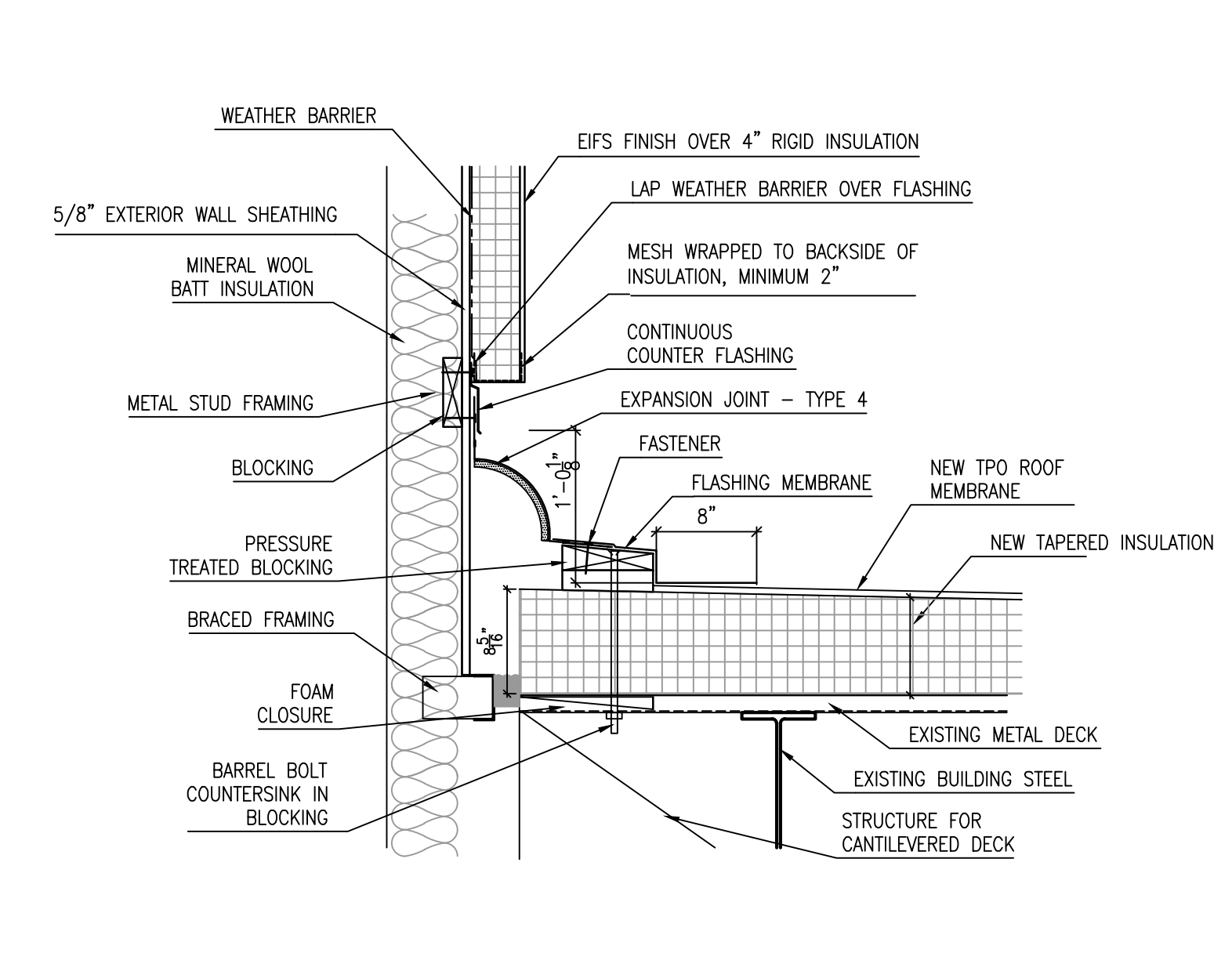
EL 10'-0" BOTTOM OF SOFFIT

1" MIN.

CORNER REINFORCING MESH

ADHESIVE IN VERTICAL NOTCHED TROWEL CONFIGURATION APPLIED TO BACKSIDE OF INSULATION BOARD

10 SECTION AT SKYLIGHT
3/4" = 1'-0"



12 ROOF EXPANSION JOINT DETAIL
1" = 1'-0"

WEATHER BARRIER

EIFS FINISH OVER 4" RIGID INSULATION

LAP WEATHER BARRIER OVER FLASHING

MESH WRAPPED TO BACKSIDE OF INSULATION, MINIMUM 2"

CONTINUOUS COUNTER FLASHING

EXPANSION JOINT - TYPE 4

FASTENER

FLASHING MEMBRANE

NEW TPO ROOF MEMBRANE

NEW TAPERED INSULATION

EXISTING METAL DECK

EXISTING BUILDING STEEL

STRUCTURE FOR CANTILEVERED DECK

FOAM CLOSURE

BRACED FRAMING

PRESSURE TREATED BLOCKING

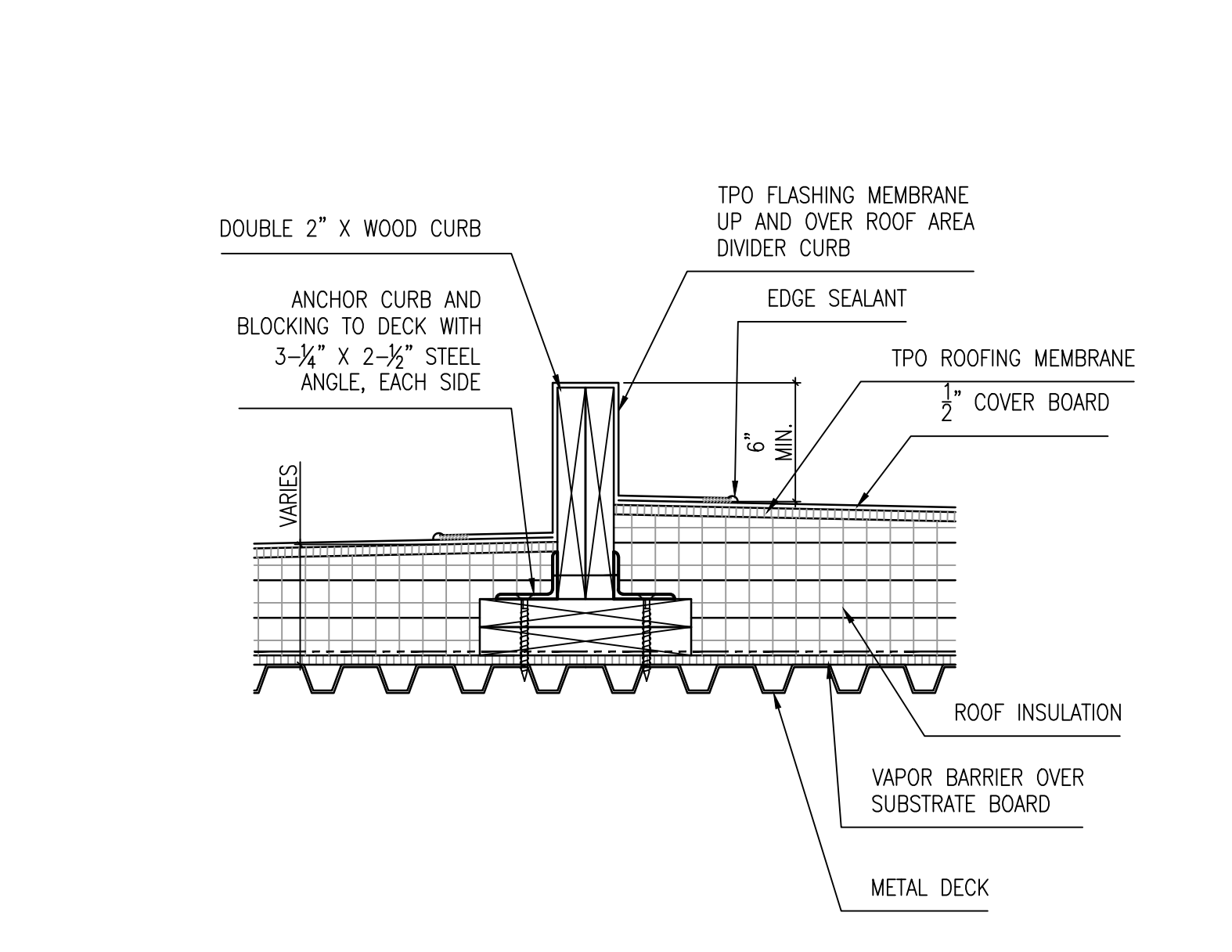
BLOCKING

METAL STUD FRAMING

MINERAL WOOL BATT INSULATION

5/8" EXTERIOR WALL SHEATHING

13 TYPICAL ROOF AREA DIVIDER SECTION DETAIL
1 1/2" = 1'-0"



14 SECTION AT TYPICAL EXTERIOR WALL ASSEMBLY
1 1/2" = 1'-0"

DOUBLE 2" X 4" WOOD CURB

ANCHOR CURB AND BLOCKING TO DECK WITH 3-1/2" X 2-1/2" STEEL ANGLE, EACH SIDE

TPO FLASHING MEMBRANE UP AND OVER ROOF AREA DIVIDER CURB

EDGE SEALANT

TPO ROOFING MEMBRANE

1/2" COVER BOARD

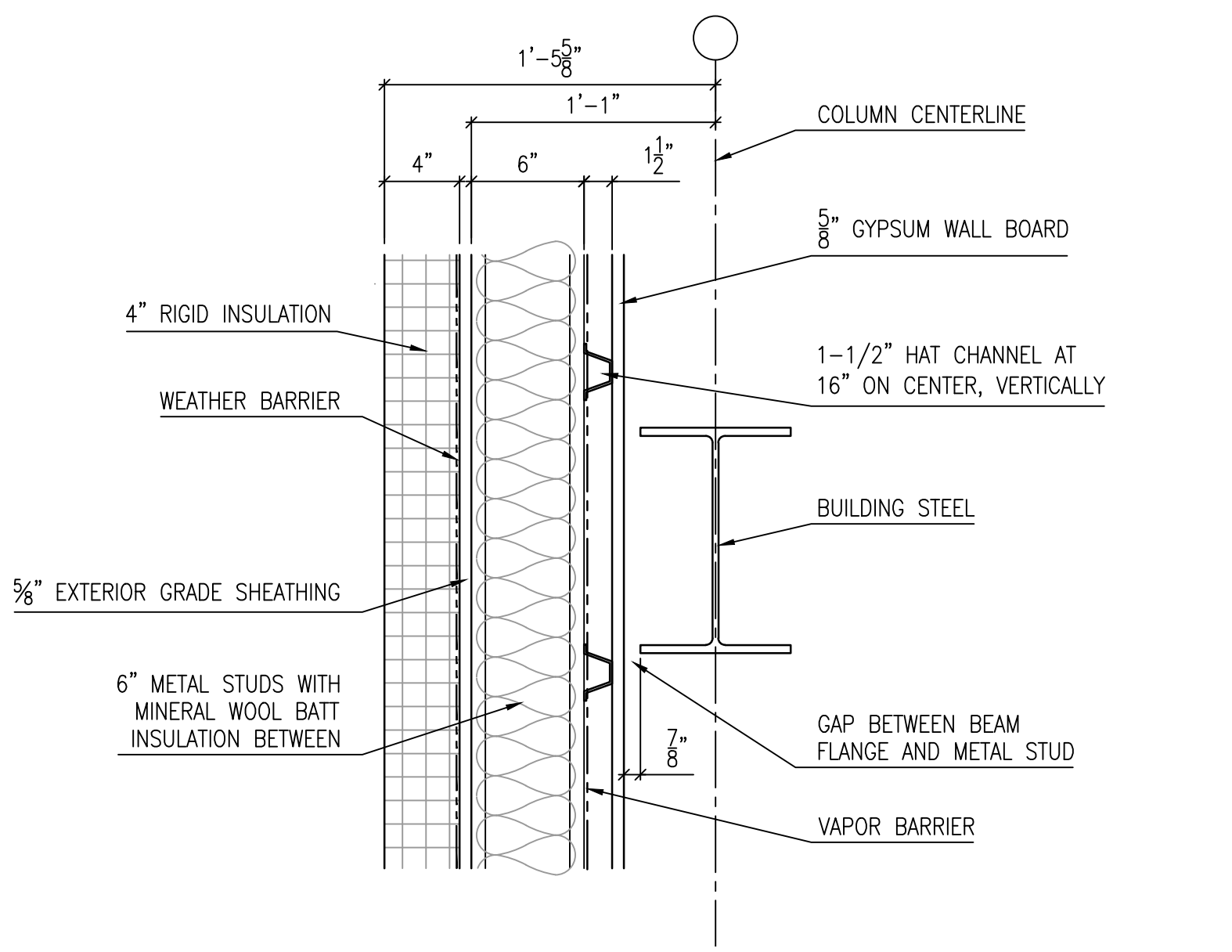
6" MIN.

ROOF INSULATION

VAPOR BARRIER OVER SUBSTRATE BOARD

METAL DECK

15 SECTION AT TYPICAL EXTERIOR WALL ASSEMBLY
1 1/2" = 1'-0"



16 SECTION AT TYPICAL EXTERIOR WALL ASSEMBLY
1 1/2" = 1'-0"

4" RIGID INSULATION

WEATHER BARRIER

5/8" EXTERIOR GRADE SHEATHING

6" METAL STUDS WITH MINERAL WOOL BATT INSULATION BETWEEN

GAP BETWEEN BEAM FLANGE AND METAL STUD

VAPOR BARRIER

BUILDING STEEL

1-1/2" HAT CHANNEL AT 16" ON CENTER, VERTICALLY

5/8" GYPSUM WALL BOARD

COLUMN CENTERLINE

1'-5 5/8"

1'-1"

4"

6"

1 1/2"

EL 13'-4" BOTTOM OF SOFFIT

EXPANSION JOINT 11/A402

ALIGN NEW FINISH TO EXISTING

REMOVE EXISTING CEILING TILES, GRID, SOFFIT, LIGHTING, ETC. AS NECESSARY FOR INSTALLATION OF NEW STRUCTURE

REMOVE, CUT, AND RE-INSTALL EXISTING BUILDING STEEL, SEE STRUCTURAL DRAWINGS

NEW BUILDING STEEL

EL 20'-8" EXISTING TOP OF STEEL

3'-10" TOP OF EXISTING ROOF CONSTRUCTION TO BOTTOM OF WINDOW UNIT

WEATHER BARRIER

SLOPED EIFS 3-A404

EXPANSION JOINT 14-A400

TPO ROOF SYSTEM, SEE A560

WINDOW UNIT

THERMALLY-BROKEN HEADER

+28'-4" TOP OF WINDOW FRAME

EIFS HEAD 1-A404

MINERAL WOOL BATT INSULATION

WEATHER BARRIER

EIFS FINISH OVER 4" RIGID INSULATION

BRAKE METAL FLASHING AND RIGID INSULATION, SLOPE TOP FOR POSITIVE DRAINAGE, 9-A406 SIMILAR

6" METAL STUD FRAMING AT 16" ON CENTER WITH MINERAL WOOL BATT INSULATION

BLOCKING

GUTTER

1'-5 5/8"

1'-1"

4"

6"

1 1/2"

EL 13'-4" BOTTOM OF SOFFIT

EXPANSION JOINT 11/A402

ALIGN NEW FINISH TO EXISTING

REMOVE EXISTING CEILING TILES, GRID, SOFFIT, LIGHTING, ETC. AS NECESSARY FOR INSTALLATION OF NEW STRUCTURE

REMOVE, CUT, AND RE-INSTALL EXISTING BUILDING STEEL, SEE STRUCTURAL DRAWINGS

NEW BUILDING STEEL

EL 20'-8" EXISTING TOP OF STEEL

3'-10" TOP OF EXISTING ROOF CONSTRUCTION TO BOTTOM OF WINDOW UNIT

WEATHER BARRIER

SLOPED EIFS 3-A404

EXPANSION JOINT 14-A400

TPO ROOF SYSTEM, SEE A560

WINDOW UNIT

THERMALLY-BROKEN HEADER

+28'-4" TOP OF WINDOW FRAME

EIFS HEAD 1-A404

MINERAL WOOL BATT INSULATION

WEATHER BARRIER

EIFS FINISH OVER 4" RIGID INSULATION

BRAKE METAL FLASHING AND RIGID INSULATION, SLOPE TOP FOR POSITIVE DRAINAGE, 9-A406 SIMILAR

6" METAL STUD FRAMING AT 16" ON CENTER WITH MINERAL WOOL BATT INSULATION

BLOCKING

GUTTER

1'-5 5/8"

1'-1"

4"

6"

1 1/2"

EL 13'-4" BOTTOM OF SOFFIT

EXPANSION JOINT 11/A402

ALIGN NEW FINISH TO EXISTING

REMOVE EXISTING CEILING TILES, GRID, SOFFIT, LIGHTING, ETC. AS NECESSARY FOR INSTALLATION OF NEW STRUCTURE

REMOVE, CUT, AND RE-INSTALL EXISTING BUILDING STEEL, SEE STRUCTURAL DRAWINGS

NEW BUILDING STEEL

EL 20'-8" EXISTING TOP OF STEEL

3'-10" TOP OF EXISTING ROOF CONSTRUCTION TO BOTTOM OF WINDOW UNIT

WEATHER BARRIER

SLOPED EIFS 3-A404

EXPANSION JOINT 14-A400

TPO ROOF SYSTEM, SEE A560

WINDOW UNIT

THERMALLY-BROKEN HEADER

+28'-4" TOP OF WINDOW FRAME

EIFS HEAD 1-A404

MINERAL WOOL BATT INSULATION

WEATHER BARRIER

EIFS FINISH OVER 4" RIGID INSULATION

BRAKE METAL FLASHING AND RIGID INSULATION, SLOPE TOP FOR POSITIVE DRAINAGE, 9-A406 SIMILAR

6" METAL STUD FRAMING AT 16" ON CENTER WITH MINERAL WOOL BATT INSULATION

BLOCKING

GUTTER

1'-5 5/8"

1'-1"

4"

6"

1 1/2"

EL 13'-4" BOTTOM OF SOFFIT

EXPANSION JOINT 11/A402

ALIGN NEW FINISH TO EXISTING

REMOVE EXISTING CEILING TILES, GRID, SOFFIT, LIGHTING, ETC. AS NECESSARY FOR INSTALLATION OF NEW STRUCTURE

REMOVE, CUT, AND RE-INSTALL EXISTING BUILDING STEEL, SEE STRUCTURAL DRAWINGS

NEW BUILDING STEEL

EL 20'-8" EXISTING TOP OF STEEL

3'-10" TOP OF EXISTING ROOF CONSTRUCTION TO BOTTOM OF WINDOW UNIT

WEATHER BARRIER

SLOPED EIFS 3-A404

EXPANSION JOINT 14-A400

TPO ROOF SYSTEM, SEE A560

WINDOW UNIT

THERMALLY-BROKEN HEADER

+28'-4" TOP OF WINDOW FRAME

EIFS HEAD 1-A404

MINERAL WOOL BATT INSULATION

WEATHER BARRIER

EIFS FINISH OVER 4" RIGID INSULATION

BRAKE METAL FLASHING AND RIGID INSULATION, SLOPE TOP FOR POSITIVE DRAINAGE, 9-A406 SIMILAR

6" METAL STUD FRAMING AT 16" ON CENTER WITH MINERAL WOOL BATT INSULATION

BLOCKING

GUTTER

1'-5 5/8"

1'-1"

4"

6"

1 1/2"

EL 13'-4" BOTTOM OF SOFFIT

EXPANSION JOINT 11/A402

ALIGN NEW FINISH TO EXISTING

REMOVE EXISTING CEILING TILES, GRID, SOFFIT, LIGHTING, ETC. AS NECESSARY FOR INSTALLATION OF NEW STRUCTURE

REMOVE, CUT, AND RE-INSTALL EXISTING BUILDING STEEL, SEE STRUCTURAL DRAWINGS

NEW BUILDING STEEL

EL 20'-8" EXISTING TOP OF STEEL

3'-10" TOP OF EXISTING ROOF CONSTRUCTION TO BOTTOM OF WINDOW UNIT

WEATHER BARRIER

SLOPED EIFS 3-A404

EXPANSION JOINT 14-A400

TPO ROOF SYSTEM, SEE A560

WINDOW UNIT

THERMALLY-BROKEN HEADER

+28'-4" TOP OF WINDOW FRAME

EIFS HEAD 1-A404

MINERAL WOOL BATT INSULATION

WEATHER BARRIER

EIFS FINISH OVER 4" RIGID INSULATION

BRAKE METAL FLASHING AND RIGID INSULATION, SLOPE TOP FOR POSITIVE DRAINAGE, 9-A406 SIMILAR

6" METAL STUD FRAMING AT 16" ON CENTER WITH MINERAL WOOL BATT INSULATION

BLOCKING

GUTTER

1'-5 5/8"

1'-1"

4"

6"

1 1/2"

EL 13'-4" BOTTOM OF SOFFIT

EXPANSION JOINT 11/A402

ALIGN NEW FINISH TO EXISTING

REMOVE EXISTING CEILING TILES, GRID, SOFFIT, LIGHTING, ETC. AS NECESSARY FOR INSTALLATION OF NEW STRUCTURE

REMOVE, CUT, AND RE-INSTALL EXISTING BUILDING STEEL, SEE STRUCTURAL DRAWINGS

NEW BUILDING STEEL

EL 20'-8" EXISTING TOP OF STEEL

3'-10" TOP OF EXISTING ROOF CONSTRUCTION TO BOTTOM OF WINDOW UNIT

WEATHER BARRIER

SLOPED EIFS 3-A404

EXPANSION JOINT 14-A400

TPO ROOF SYSTEM, SEE A560

WINDOW UNIT

THERMALLY-BROKEN HEADER

+28'-4" TOP OF WINDOW FRAME

EIFS HEAD 1-A404

MINERAL WOOL BATT INSULATION

WEATHER BARRIER

EIFS FINISH OVER 4" RIGID INSULATION

BRAKE METAL FLASHING AND RIGID INSULATION, SLOPE TOP FOR POSITIVE DRAINAGE, 9-A406 SIMILAR

6" METAL STUD FRAMING AT 16" ON CENTER WITH MINERAL WOOL BATT INSULATION

BLOCKING

GUTTER

1'-5 5/8"

1'-1"

4"

6"

1 1/2"

EL 13'-4" BOTTOM OF SOFFIT

EXPANSION JOINT 11/A402

ALIGN NEW FINISH TO EXISTING

REMOVE EXISTING CEILING TILES, GRID, SOFFIT, LIGHTING, ETC. AS NECESSARY FOR INSTALLATION OF NEW STRUCTURE

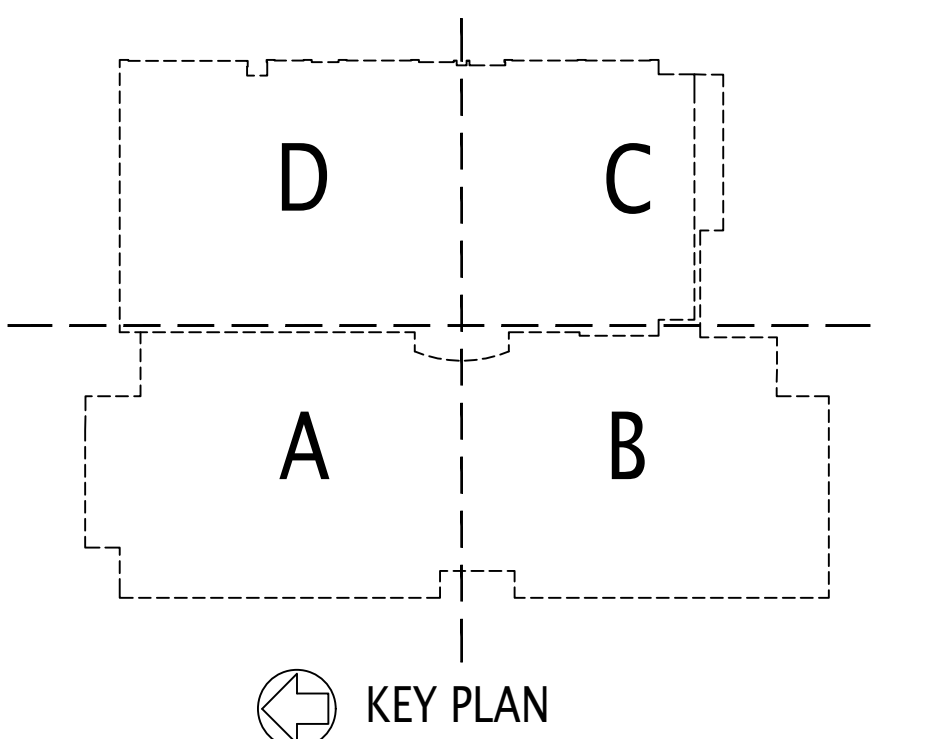
REMOVE, CUT, AND RE-INSTALL EXISTING BUILDING STEEL, SEE STRUCTURAL DRAWINGS

NEW BUILDING STEEL

EL 20'-8" EXISTING TOP OF STEEL

3'-10" TOP OF EXISTING ROOF CONSTRUCTION TO BOTTOM OF WINDOW UNIT

WEATHER BARRIER



2.5" MINERAL WOOL BATT INSULATION - R10
4" RIGID INSULATION AT EXTERIOR WALL - R15.6
CONCRETE BLOCK - R1
4" UNDERSLAB INSULATION - R22
5" ROOF INSULATION - R30 MINIMUM

SKYLIGHT - U0.28
FIXED WINDOWS - U0.35
STOREFRONT SYSTEM - U0.37
EXTERIOR DOORS W/ GLAZING - U0.82
EXTERIOR SOLID DOORS - U0.44

ALL EXTERIOR GLAZING - SOLAR HEAT GAIN
COEFFICIENT = 0.27

[illegible]

ORANGETOWN TOWN HALL ADDITION AND ALTERATIONS

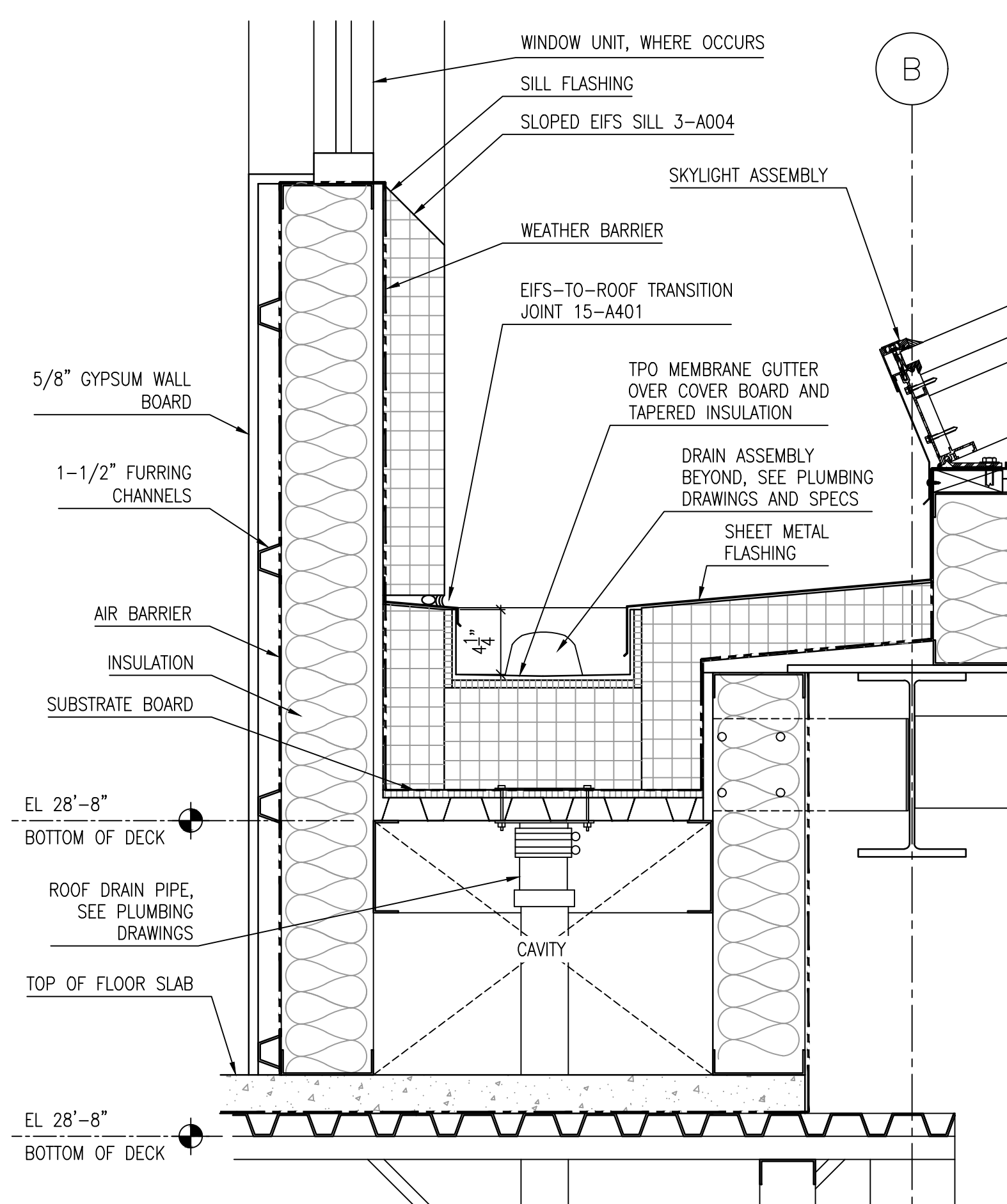
26 ORANGEBURG RD
ORANGEBURG, NEW YORK 10962

SECTIONS, ELEVATIONS AND DETAILS

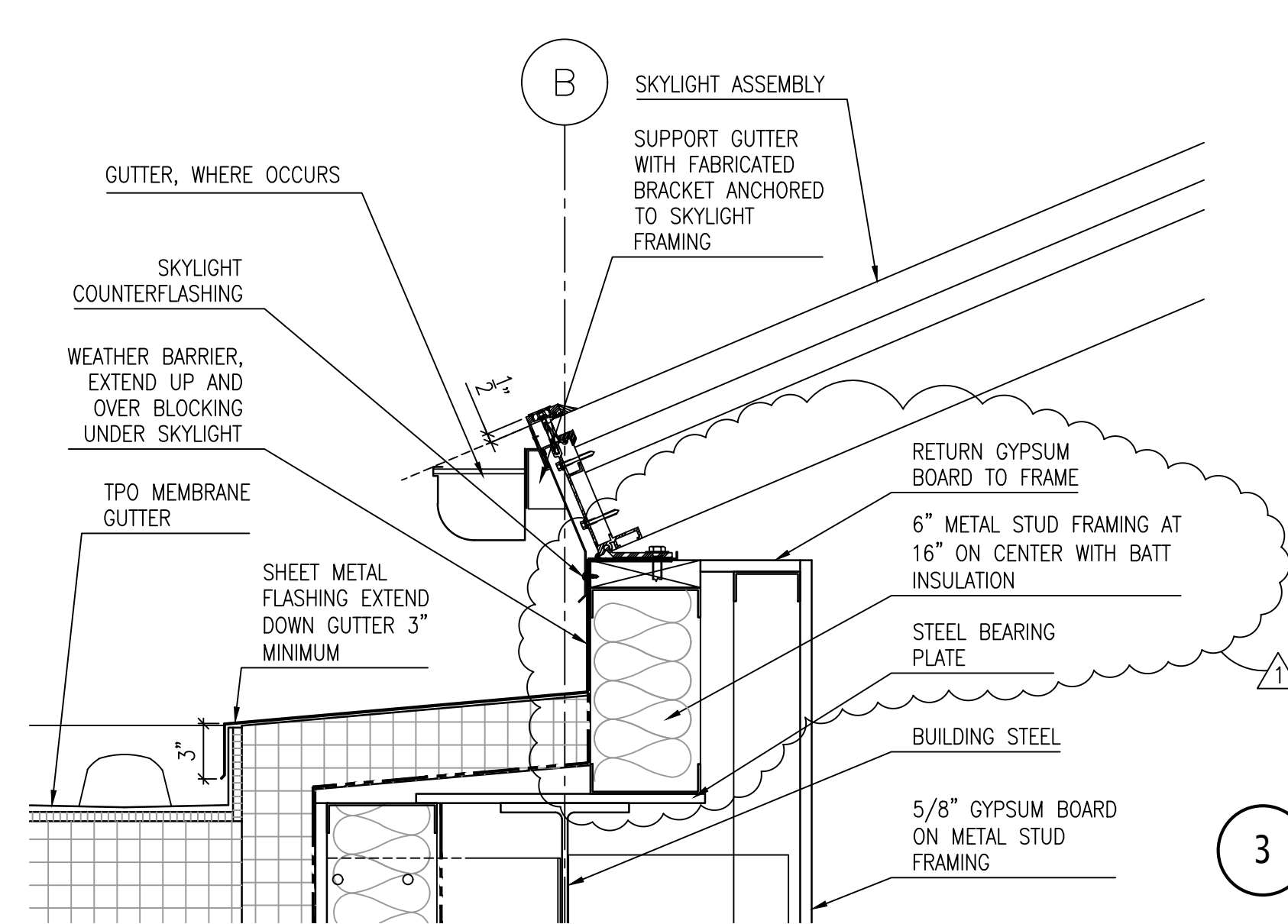
PROJECT NO.: 2219-05	SCALE: AS NOTED
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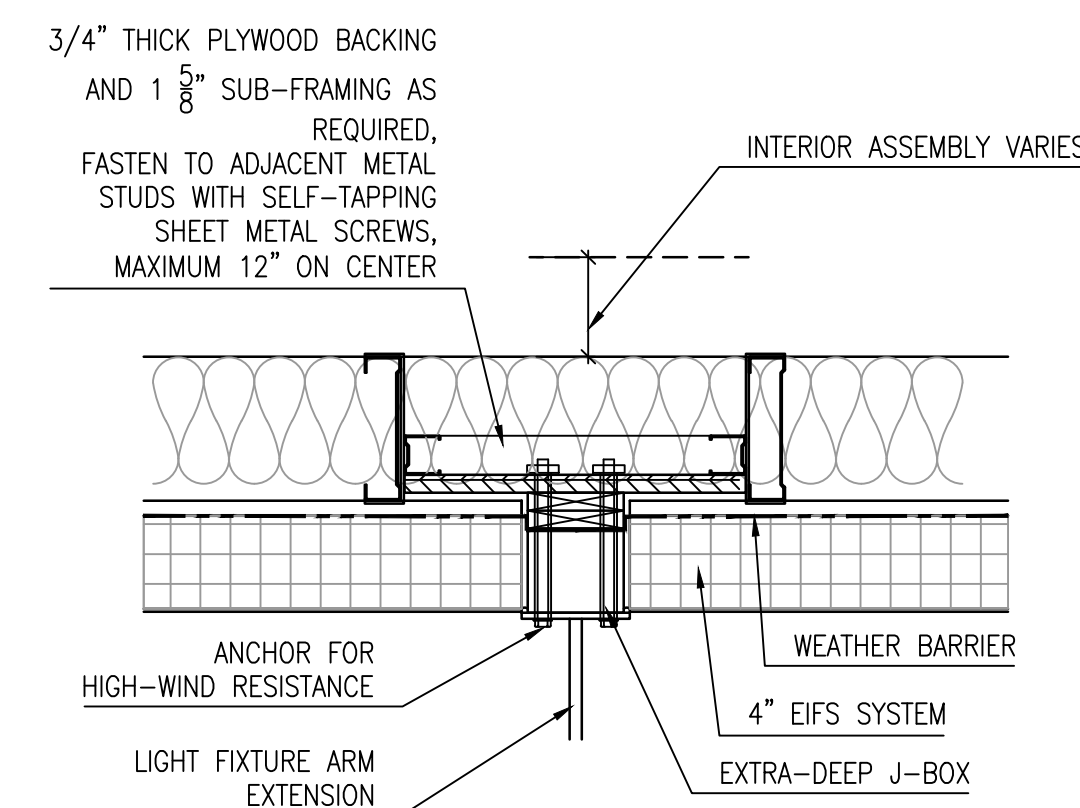
A402



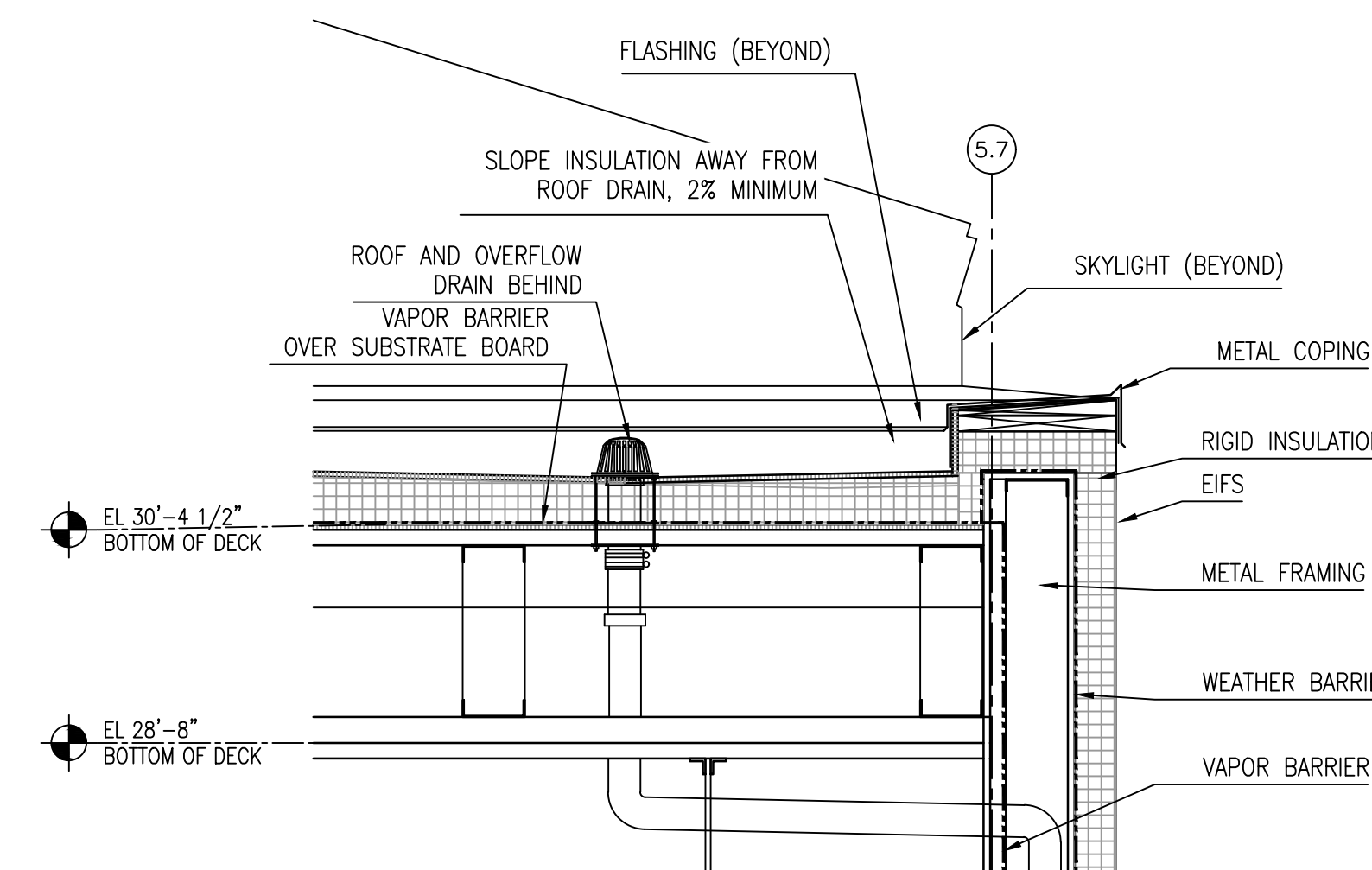
1 SECTION DETAIL AT GUTTER
1 1/2" = 1'-0"



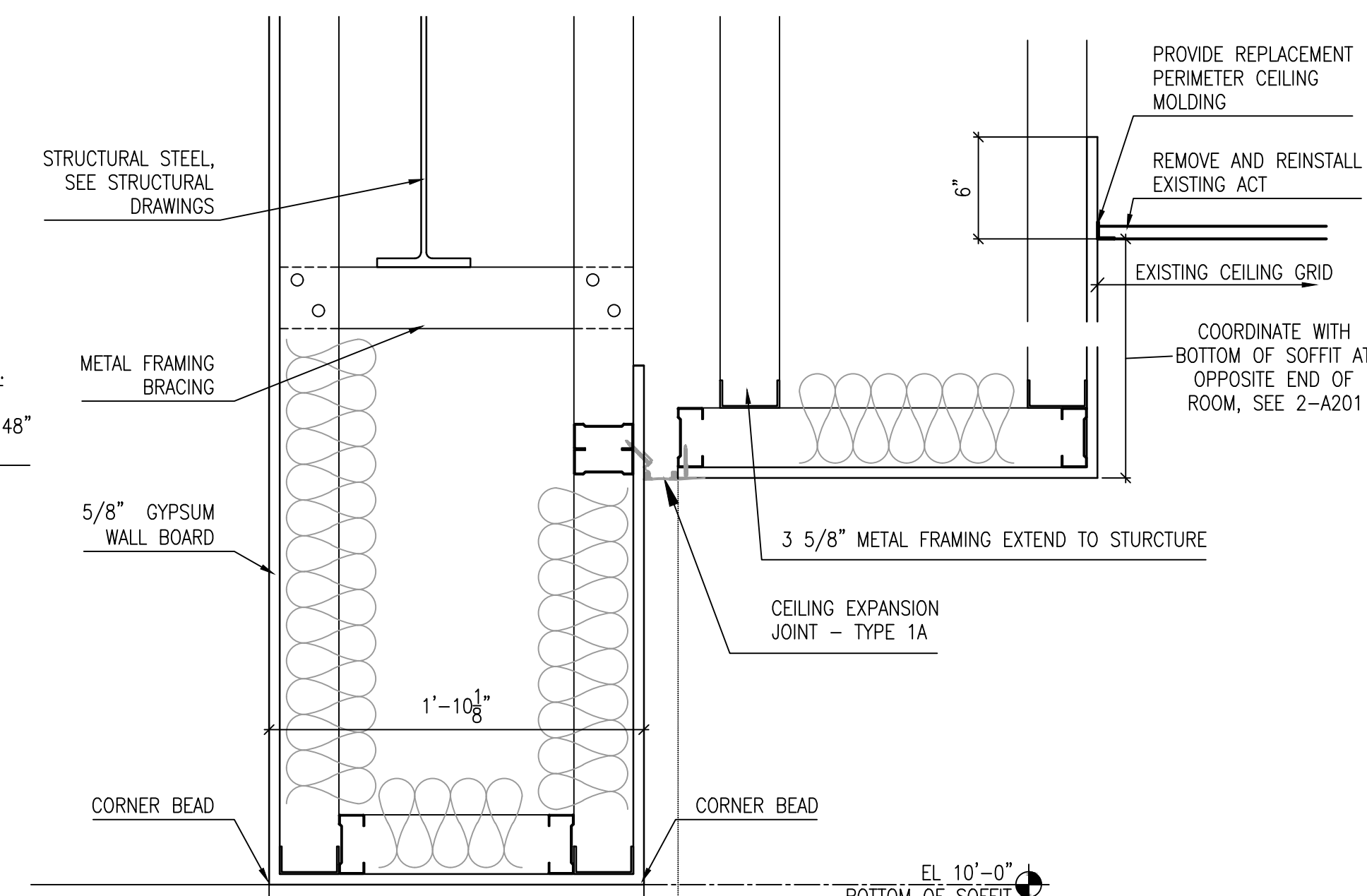
2 SECTION DETAIL AT SKYLIGHT FLASHING
1'-1/2" = 1'-0"



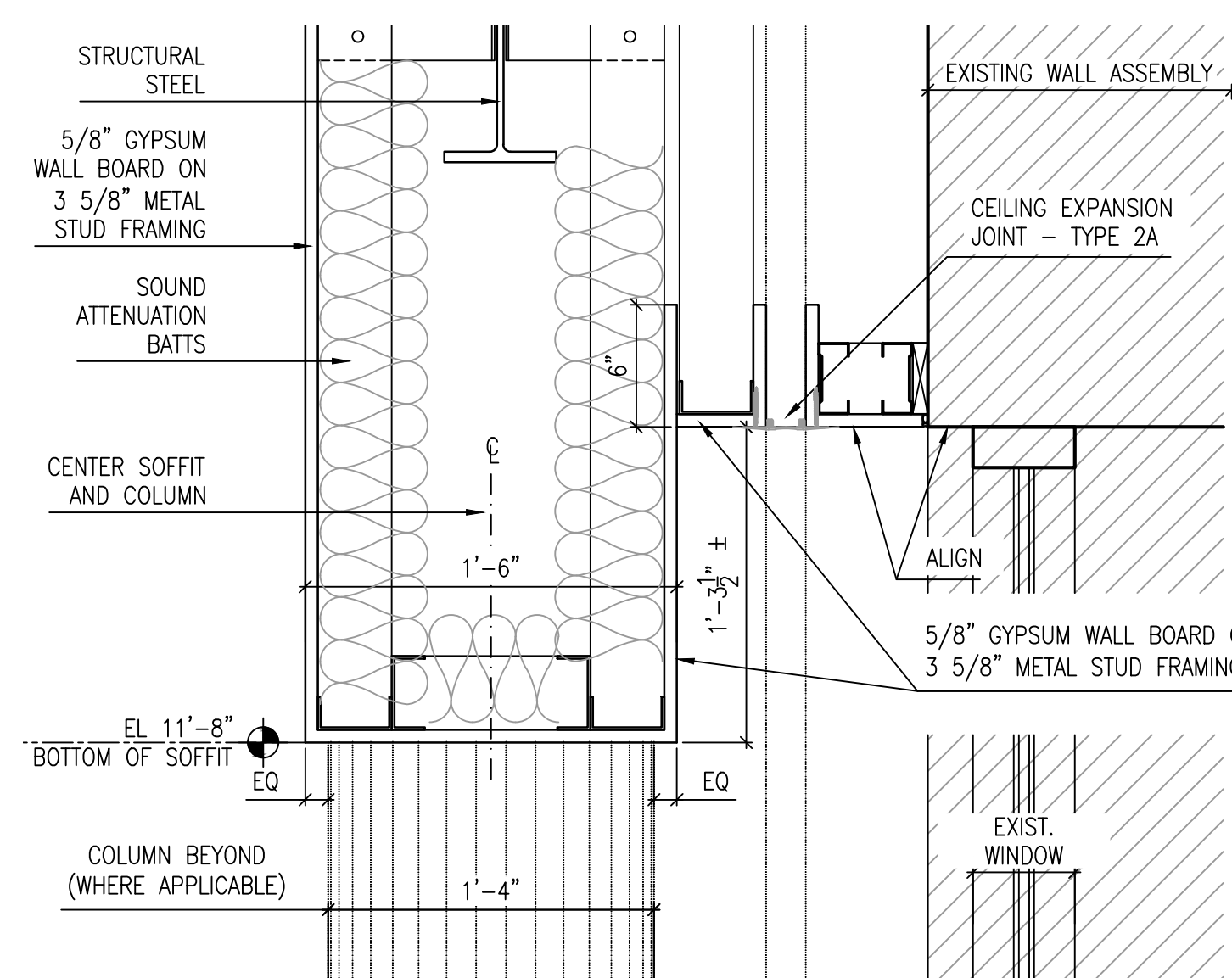
3 PLAN DETAIL - EXTERIOR SIGNAGE LIGHTING MOUNTING
1 1/2" = 1'-0"



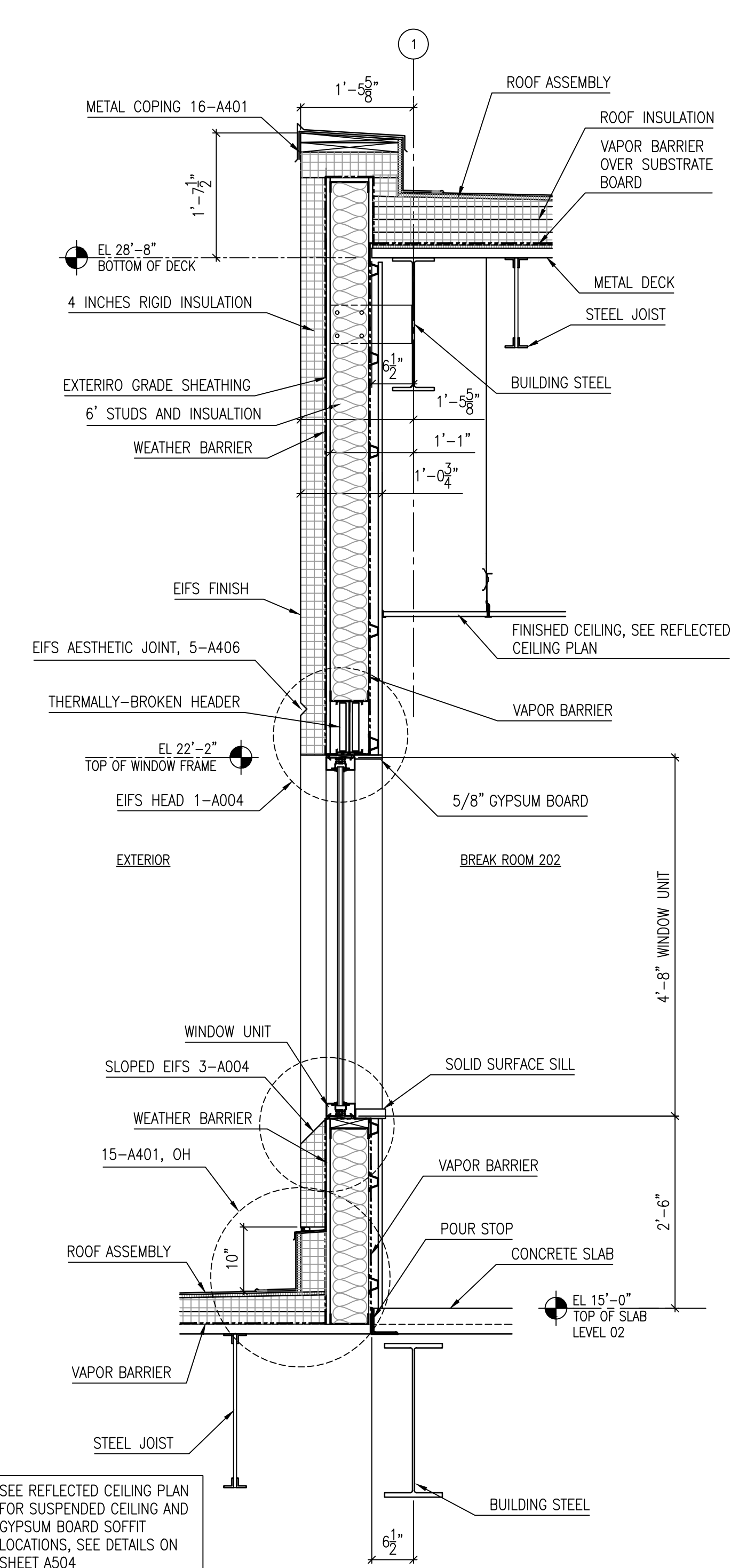
7 SECTION AT CONNECTION ROOF
3/4" = 1'-0"



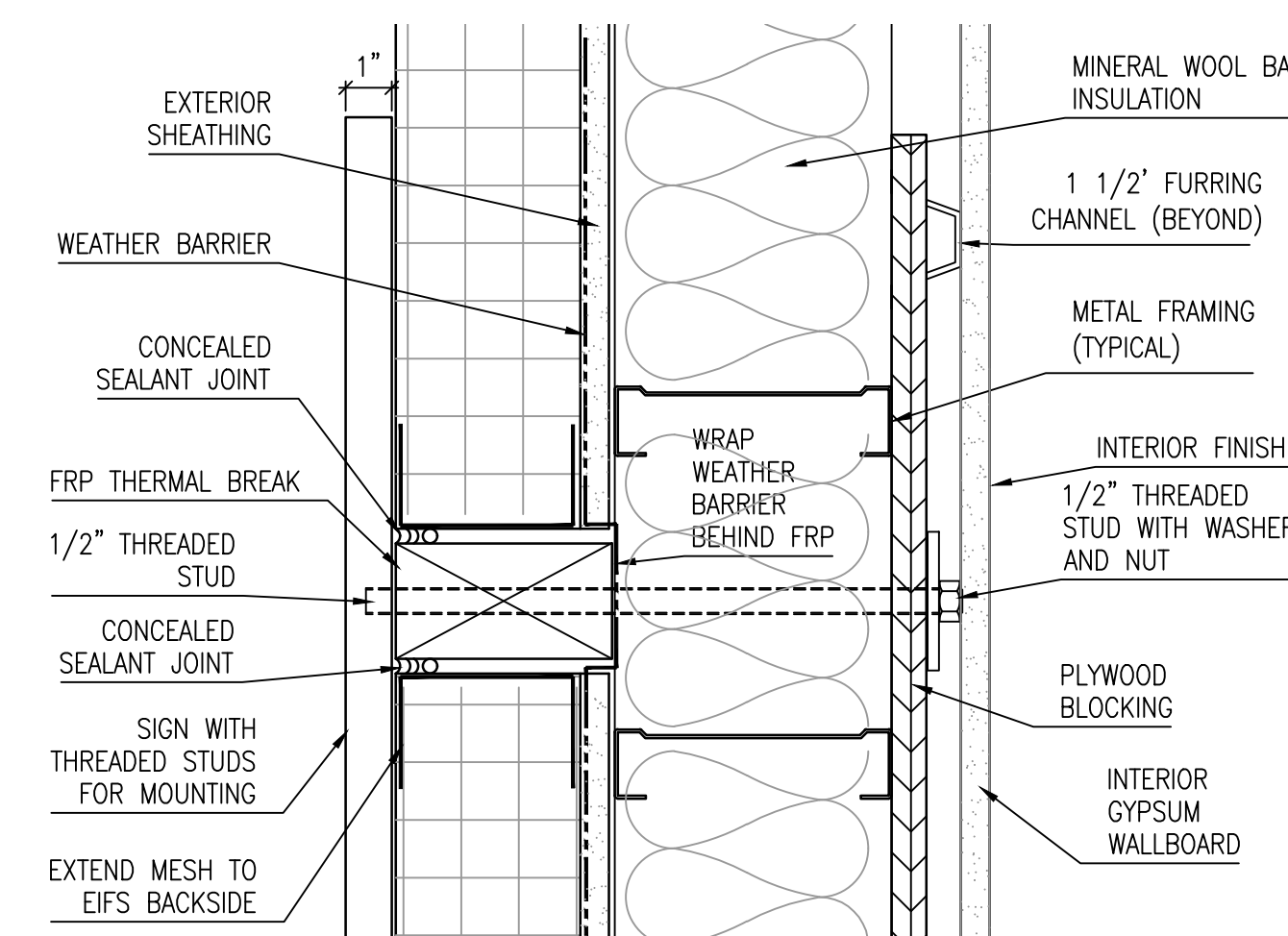
11 EXPANSION JOINT AT EXISTING LOBBY ENTRANCE
1 1/2" = 1'-0"



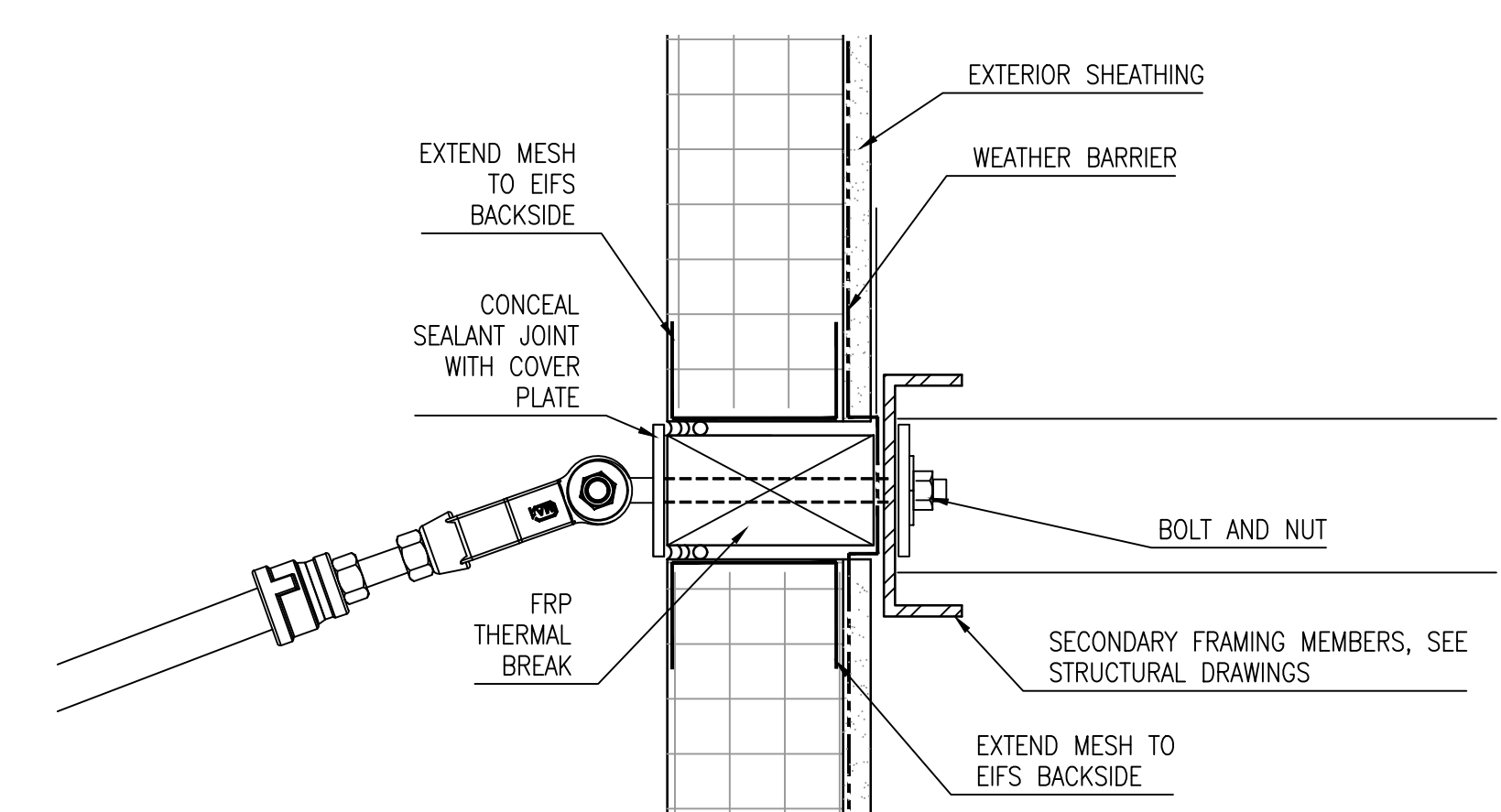
15 EXPANSION JOINT AT VESTIBULE SOFFIT
1 1/2" = 1'-0"



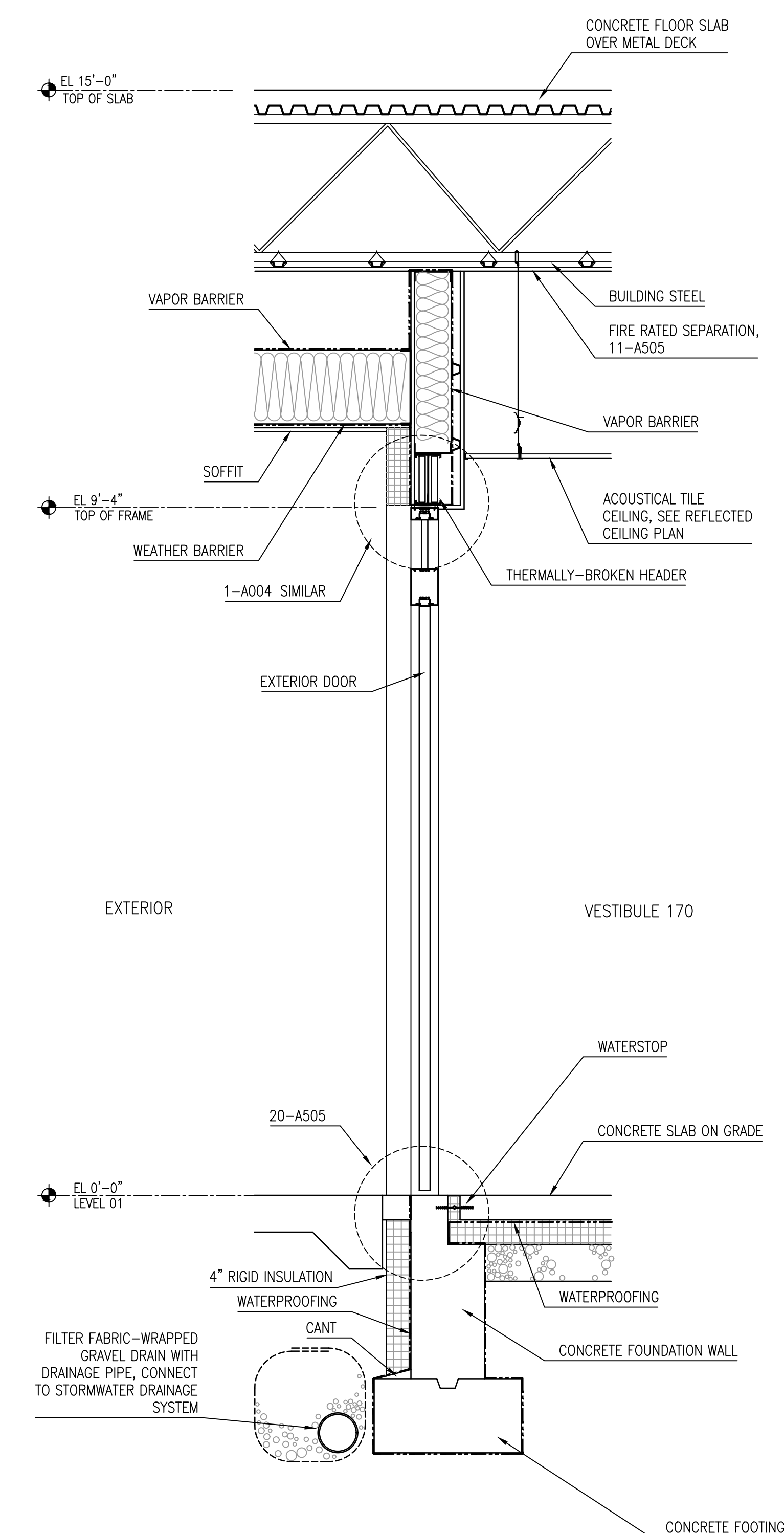
8 WALL SECTION AT BREAK ROOM 202 (NORTH SIDE)
3/4" = 1'-0"



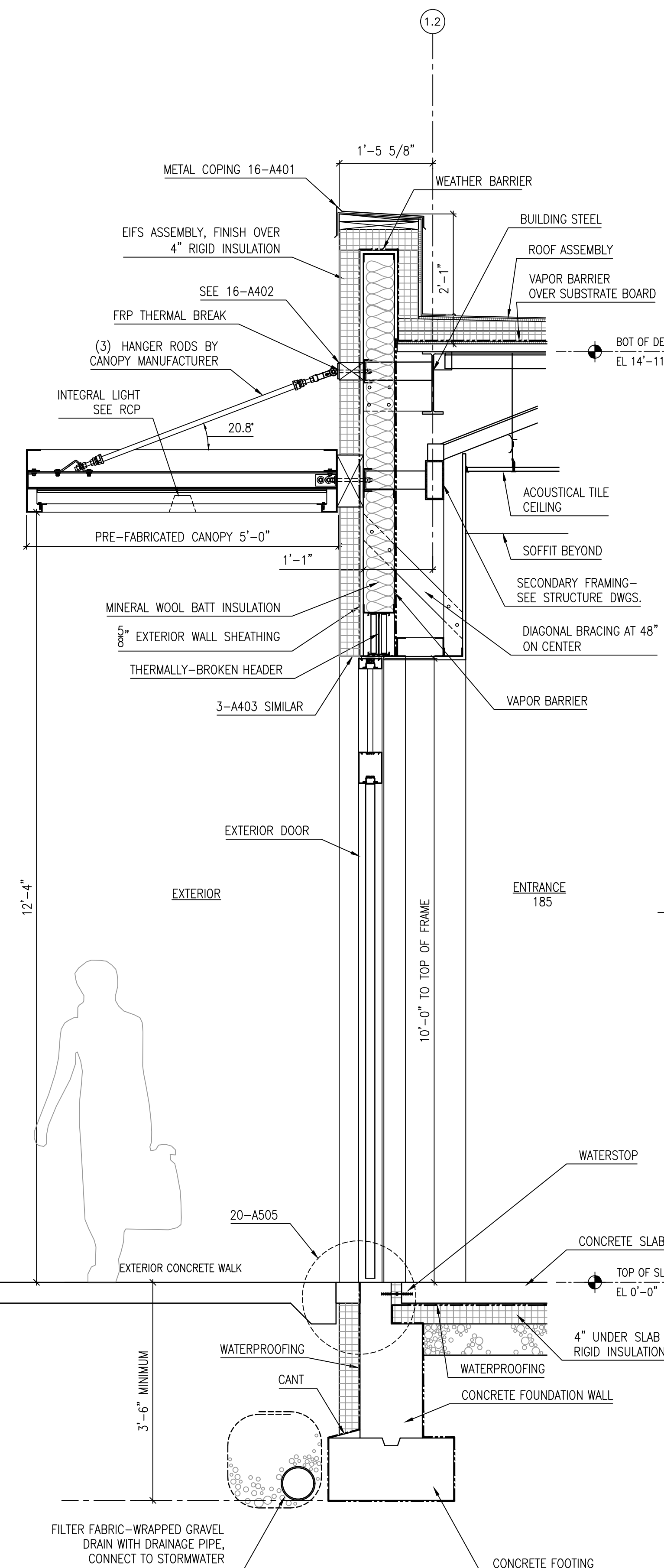
12 SIGN MOUNTING DETAIL
3" = 1'-0"



16 CANOPY CONNECTION
3" = 1'-0"



13 SECTION AT WEST-SIDE ENTRANCE
3/4" = 1'-0"



14 WALL SECTION THROUGH ENTRANCE AT ENTRANCE 185, NORTH SIDE
3/4" = 1'-0"

16 CANOPY CONNECTION
3" = 1'-0"

one inch = one foot

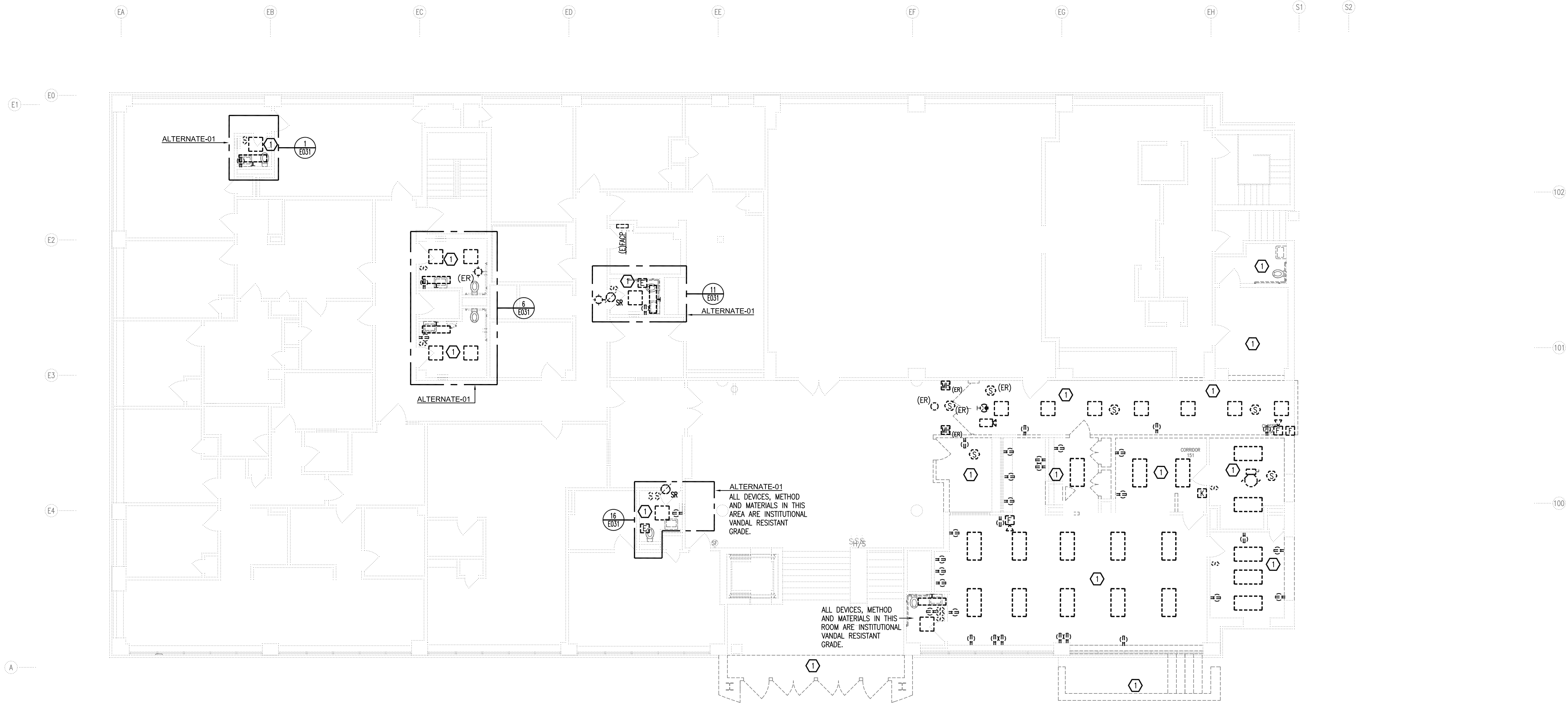
three quarters inch = one foot

- WALL SECTIONS.dwg
one half inch = one foot

three eighths inch = one foot

one quarter inch = one foot

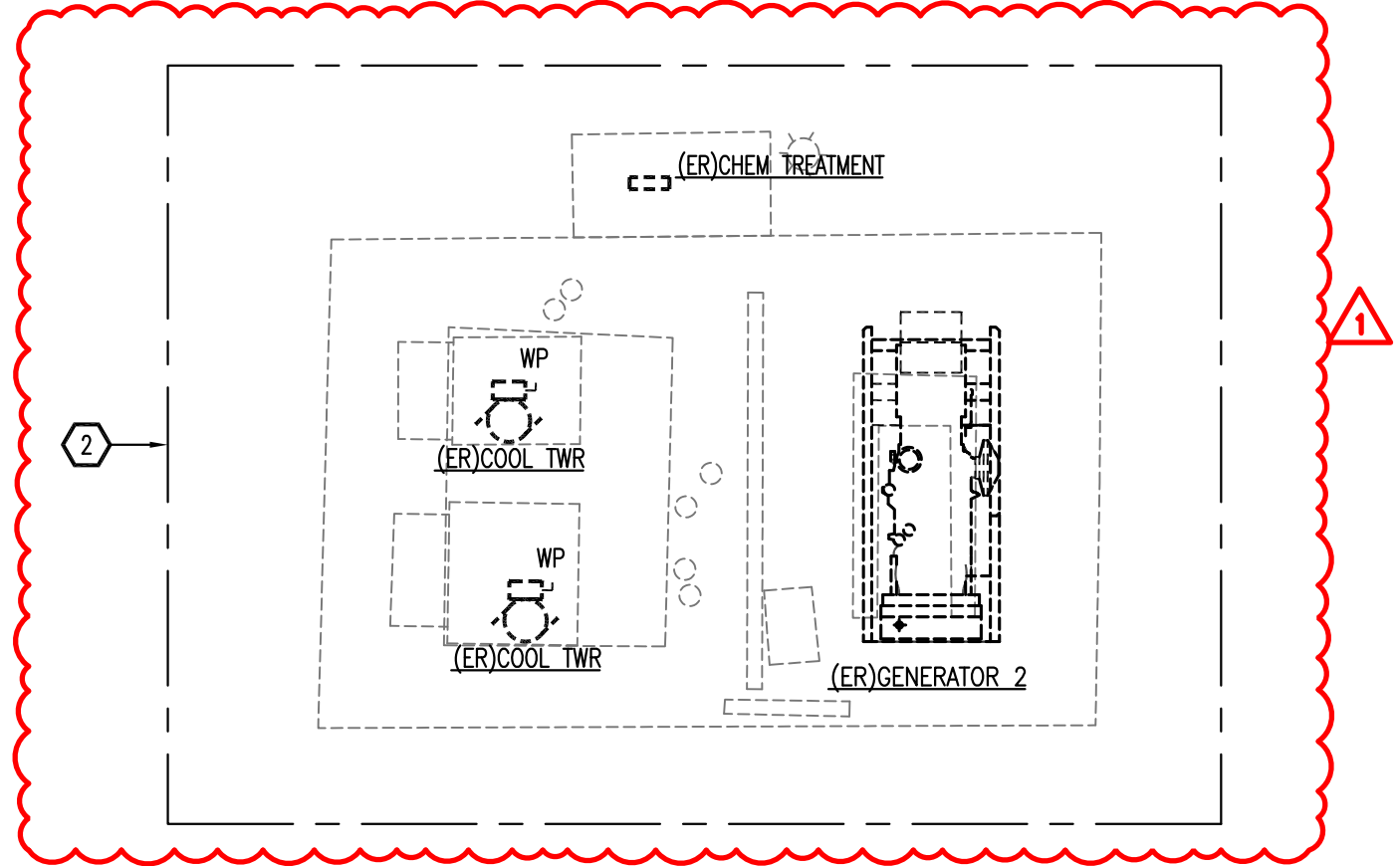
N: \\10 PROJECTS\Government\2219-05
one eighth inch = one foot



2 PART LEVEL 01 PLAN (REMOVALS)
SCALE: 1/8"=1'-0"



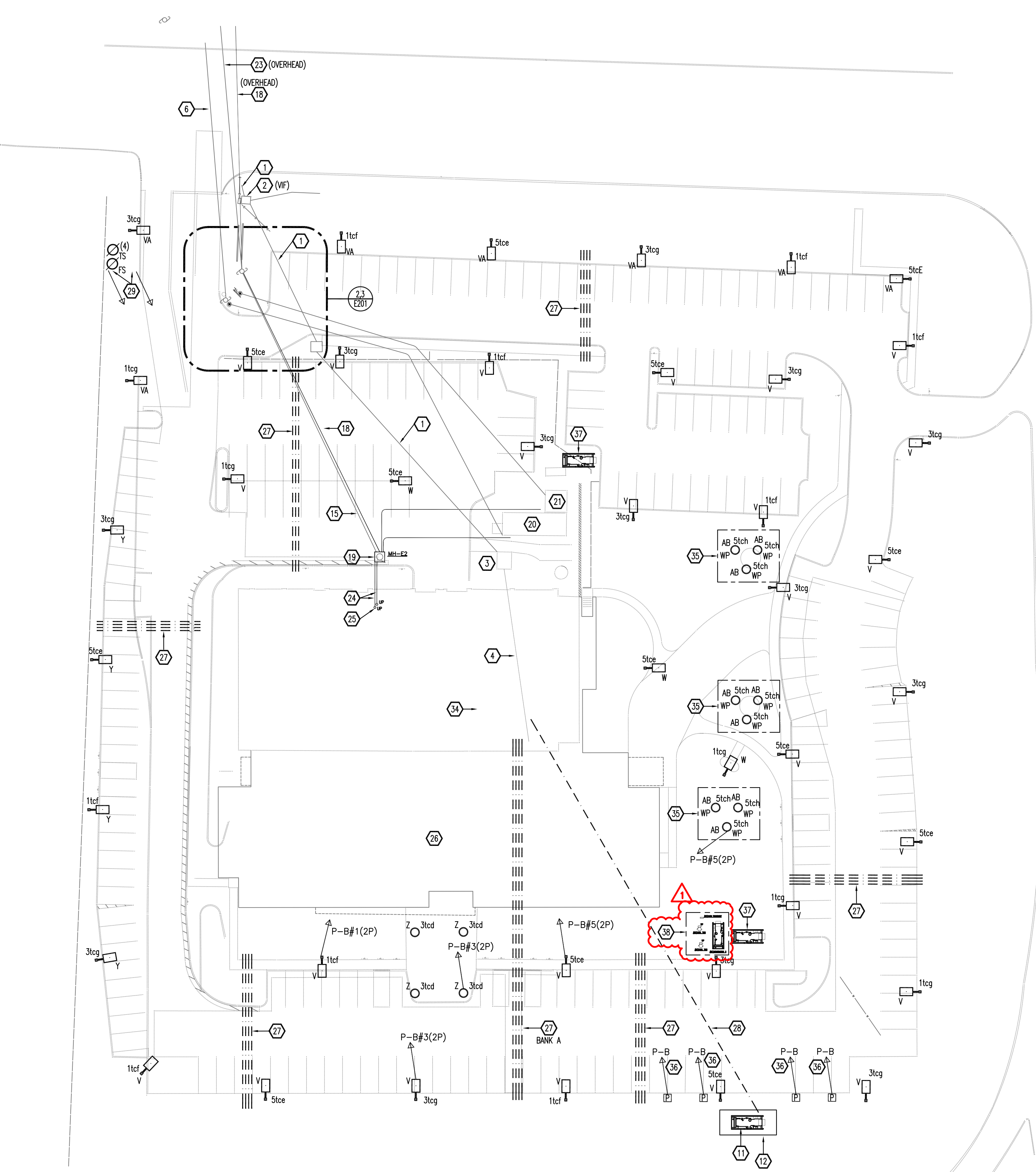
- 1 REMOVE THE ELECTRICAL DEVICES AND CIRCUITRY IN THESE ROOM(S) AND AREA(S) AS REQUIRED TO ACCOMMODATE THE MODIFICATIONS UNDER THIS CONTRACT. IN ROOMS WHERE ALTERNATES ARE DEFINED, MAINTAIN THE ELECTRICAL CIRCUIT FOR REUSE IN THE NEW LAYOUT(S).
- 2 REMOVE ELECTRICAL CIRCUITRY TO THIS EQUIPMENT. PRESERVE THE EQUIPMENT FOR REUSE/REINSTALLATION. RELOCATE THE EQUIPMENT TO NEW LOCATION AS INDICATED ON THE SITE PLAN. CIRCUIT TO THE ORIGINAL SOURCE. PROVIDE NEW CIRCUITRY. MATCH EXISTING CIRCUITRY.



ORANGETOWN
TOWN HALL
ADDITION AND ALTERATIONS
26 ORANGEBURG RD
ORANGEBURG, NEW YORK 10962

ELECTRICAL LEVEL 01 PLAN
(REMOVALS)

PROJECT NO.: 2219-05
DRAWING NO.:

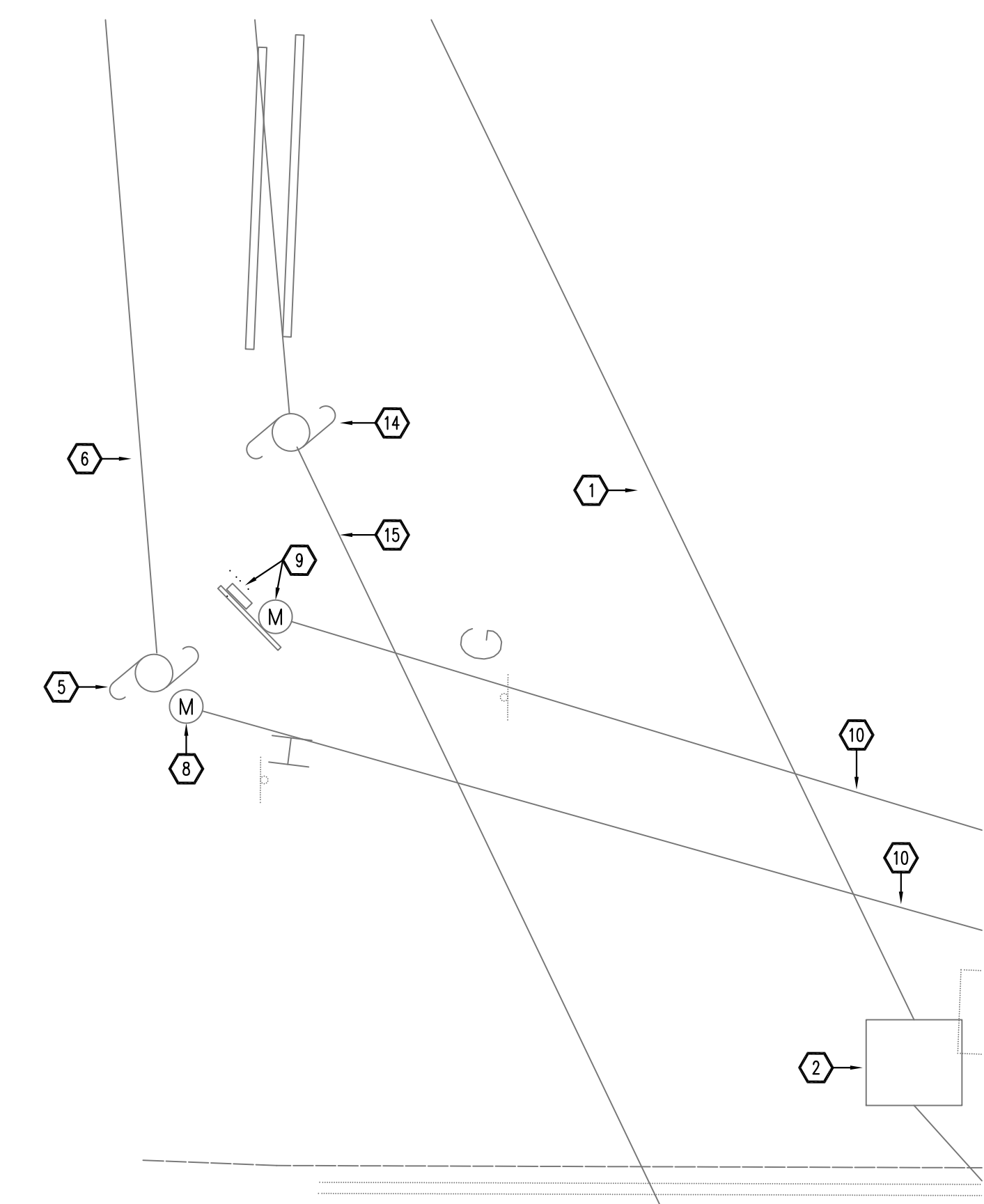


1 ELECTRICAL SITE PLAN SCALE: 1/32"=1'-0" FEEDERS, RACEWAYS, SERVICES INDICATED ON THIS DRAWINGS ARE UNDER GROUND UNLESS OTHERWISE NOTED. PROVIDE ALL LOCATING, MARKING AND GROUND INVESTIGATION TO DETERMINE WHAT EXISTS AND THE BEST ROUTINGS TO BE USED. PROVIDE ALL EXPLORATORY EXCAVATION REQUIRED TO ENSURE COORDINATION WITH EXISTING CONDITIONS. MAGNETIC NORTH PROJECT NORTH

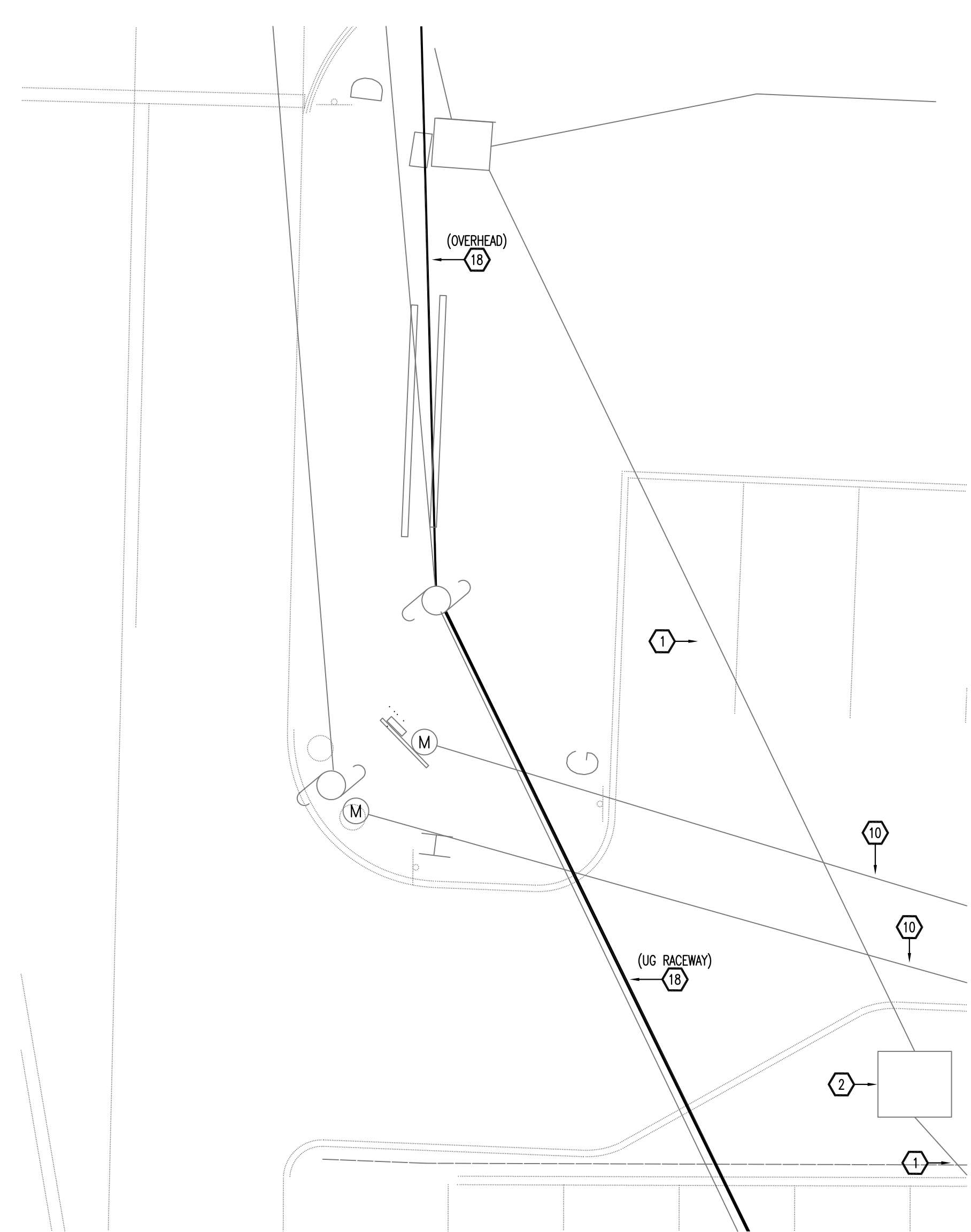
KEYED NOTES

- | | |
|---|---|
| EXISTING UTILITY POWER UNDERGROUND PRIMARY ELECTRICAL SERVICE FEEDER (VF), ROUTING IS APPROXIMATE. MAINTAIN CONTINUITY OF SERVICE. MARK OUT AND PROTECT . | EXTENDED UNDERGROUND RACEWAYS TO ACCOMMODATE THE RELOCATION AND EXTENSION OF FIBER OPTIC SERVICES. |
| EXISTING UTILITY POWER ELECTRICAL SERVICE ACCESS POINT/HANDLE/WH WITH ABOVE GRADE COVER. MAINTAIN CONTINUITY OF SERVICE. | PROVIDE NEW FIBER OPTIC CABLEING FROM SERVICE PROVIDER TO FACILITY DEMARK (IN BASMENT), WHERE IN RACEWAY PROVIDE EACH PROVIDER IN ITS OWN INNER DUCT. |
| EXISTING P/O MOUNTED UTILITY ELECTRIC SERVICE TRANSFORMER. | 5'X5'X5" ROADWAY RATED MANHOLE COMPLETE WITH COLLAR, COVER AND ALL NECESSARY APPURTENANCES. |
| EXISTING UNDERGROUND SECONDARY ELECTRIC SERVICE FEEDER (VF), MAINTAIN CONTINUITY OF SERVICE. MARK OUT AND PROTECT. | EXISTING CELLULAR CARRIER #1 COMMUNICATIONS HUT. |
| EXISTING UTILITY POWER POLE TO BE REMOVED/RELOCATED. | EXISTING CELLULAR CARRIER #2 COMMUNICATIONS HUT. |
| EXISTING UTILITY POWER OVERHEAD FEED (UN-METERED) TO BE MODIFIED, REMOVED/RELOCATED. | 2#10,1#10G (PLUS 4#10 SPARES)-1" C UG TO TIME CLOCK CIRCUIT IN MAIN ELECTRICAL RACEWAY. |
| NOT USED | OVERHEAD FIBER OPTIC (UTILITY) CABLEING TO BE MODIFIED TO ACCOMMODATE POLE RELOCATIONS. |
| EXISTING UTILITY POWER REVENUE METER MOUNTED ON POLE TO REMAIN. ENSURE CONTINUITY OF SERVICE. | UNDERGROUND RACEWAYS FOR ADDITIONAL/RELOCATED COMMUNICATIONS SERVICES. |
| EXISTING UTILITY POWER REVENUE METER, ASSOCIATED 3R OCPD AND WOOD SUPPORT STRUCTURE TO REMAIN. ENSURE CONTINUITY OF SERVICE. | BUILDING END BOX FOR ADDITIONAL FIBER OPTIC/TELCO SERVICE CABLEING. |
| UNDERGROUND UTILITY POWER SERVICE FEEDER TO REMAIN. ENSURE CONTINUITY OF SERVICE. | SHADED AREA INDICATES APPROXIMATE AREA OF BUILDING ADDITION. |
| OUTDOOR DIESEL GENERATOR WITH BASE FUEL TANK--CRITICAL SOUND ATTENUATED GENERATOR. | PROVIDE (4)2" UNDERGROUND SPACE RACEWAY FOR FUTURE USE. CAP BOTH ENDS BELOW GRADE. PROVIDE SURFACE GROUND MOUNTMENTS TO MARK THE AREAS WHERE THE RACEWAYS ARE TERMINATED. |
| OUTDOOR SOUND ATTENUATED LEVEL 1 ENCLOSURE. | MULTIPLE UNDERGROUND SERVICES/CIRCUITS/RACEWAYS BETWEEN BUILDING AND OUTDOOR GENERATOR. SEE DETAILS FOR ADDITIONAL INFORMATION. |
| NOT USED | WATER SERVICE "HOT BOX". SEE ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION. |
| EXISTING UTILITY POWER COMMUNICATIONS (VF) TO REMAIN. ENSURE CONTINUITY OF SERVICE. | REMOVE EXISTING LIGHTING FIXTURE/UNIT. |
| UNDERGROUND RACEWAYS WITH COMMUNICATIONS FIBER OPTIC CABLEING TO BE MODIFIED. | NOT USED |
| NOT USED | NOT USED |
| EXTENDED UNDERGROUND RACEWAYS TO ACCOMMODATE THE RELOCATION AND EXTENSION OF FIBER OPTIC SERVICES. | APPROXIMATE LOCATION OF PANEL P-B IN BASEMENT OF EXISTING BUILDING. |
| | FOR POLE/MONUMENT/STAKE. LOCATE PER ARCHITECTURAL DRAWINGS/OWNER'S REPRESENTATIVE. AVOID PATTERNS TO PREVENT EXCESSIVE UPHOUD/SWAY/NO DISTRIBUTION |

- 36 IN ADDITION TO THE POWER CIRCUIT, PROVIDE AN ADDITIONAL "1" UG RACWAY WITH 12 STRAND FIBER CABLE TO FIRST FLOOR IT CLOSEST. TERMINATE FIBER AT FIRST FLOOR PATCH BAY AND AT CHARGING STATION.
- 37 GEN-T, TEMPORARY TRAILER MOUNTED STANDBY GENERATOR AND ASSOCIATED FEEDERS AND SHORE POWER/CONTROL CIRCUITRY. SEE ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION. VARY LOCATIONS AS REQUIRED TO ACCOMMODATE PROJECT PHASING. INCLUDE FULL BASE TANK FUEL (SITE DELIVERED) AND (2) ADDITIONAL SITE DELIVERED (TANK CAPACITY) REFILLS OF FUEL. PROVIDE FOR DURATION OF THE PROJECT OR UNTIL DELIVERED BY THE OWNER'S REPRESENTATIVE. INCLUDE ALL ASSOCIATED COSTS IN THE BID SUMMARY.
- 38 RECURRY TO THIS EQUIPMENT. RELOCATE EQUIPMENT TO NEW LOCATION ORIGINALLY TO THE ORIGINAL SOURCE. PROVIDE NEW CIRCUITRY. MATCH EXISTING CIRCUITRY.



2 ELECTRICAL PART SITE PLAN
(REMOVALS)
SCALE: 1/8" = 1' - 0"



3 ELECTRICAL PART SITE PLAN

SCALE: 1/8"=1'-0"

MAGNETIC NORTH PROJECT NORTH



ORANGETOWN TOWN HALL ADDITION AND ALTERATIONS

26 ORANGEBURG RD
ORANGEBURG, NEW YORK 10962

ELECTRICAL SITE PLAN

PROJECT NO.: 2219-05

DRAWING NO.:

E-201

KEYED NOTES

- 1 BOND NEUTRAL TO GROUND PER NEC.
- 2 BOND TO STREET SIDE OF WATER MAIN USING TANDEM BURNDY U-BOLT GROUNDING CLAMPS.
- 3 BOND TO TRI-POSED GROUND ROD SYSTEM.
- 4 EXISTING UTILITY POLE.
- 5 EXISTING PRIMARY ELECTRICAL SERVICE FEEDER (UNDERGROUND).
- 6 EXISTING PAD MOUNTED ELECTRIC SERVICE (UTILITY) TRANSFORMER.
- 7 EXISTING UNDERGROUND SECONDARY ELECTRIC SERVICE FEEDER.
- 8 OUTDOOR GENERATOR FOR SOUTH BUILDING TO BE REMOVED.
- 9 OUTDOOR PAD MOUNTED DIESEL GENERATOR-CRITICAL SOUND ATTENUATED.
- 10 OUTDOOR SOUND ATTENUATED ENCLOSURE.
- 11 UNDERGROUND GENERATOR FEEDER AND ASSOCIATED CIRCUITRY(IES).
- 12 PROVIDE 1000KW 120/208VAC 3 PHASE 4W TEMPORARY TRAILER MOUNTED DIESEL GENERATOR WITH CONTAINED FUEL TANK AND TEMPORARY DISTRIBUTION PANELBOARD/OCPO'S. CIRCUIT TO PROVIDE TEMPORARY POWER, STAND-BY POWER ETC.. PROVIDE SHORE POWER. PROVIDE START/ATS CONTROL CIRCUITRIES FROM THE SEVERAL ATS UNITS (TEMPORARY AND PERMANENT).
- 13 FULLY RATED (LOCOMOTIVE CABLE TYPE) FEEDERS FROM TRAILER MOUNTED DIESEL GENERATOR. PROVIDE ON LADDER TRAY SYSTEM STANCHION-ED UP 12" OFF GRADE. ENCLOSE IN TEMPORARY PLWOOD PROTECTIVE ENCLOSURE.
- 14 PROVIDE WIRE TROUGH MOUNTED ABOVE ACCESSIBLE CEILING. TAP MAIN FEEDER USING BURNDY MT TAP BLOCKS.
- 15 TEMPORARY CONNECTIONS ARE INDICATED WITH THE FINAL CONNECTION CONNECTION TO BE COORDINATED. ONLY ONE GENERATOR SOURCE TO BE CONNECTED AT ANY TIME.
- 16 PROVIDE WITH SHUNT TRIP. CIRCUIT TO TRIP BREAKER ON ACTIVATION OF ASSOCIATED ELEVATOR SHUT/ARCH FIRE ALARM DETECTION AND/OR SPRINKLER FLOW DEVICES.
- 17 REMOVE WHEN DIRECTED BY THE OWNER'S REPRESENTATIVE.
- 18 PROVIDE #2AWG BARE SOLID TINNED COPPER GROUND RING WITH 5/8" x 10' COPPER CLAD GROUND RODS (AT CORNERS) CAD WELDED TO RING. BOND PAD REBAR AND TRANSFORMER CASE TO RING USING #2AWG BARE SOLID TINNED COPPER GROUND RING.
- 19 EXISTING UNDERGROUND PRIMARY ELECTRIC SERVICE.
- 20 EXISTING PRIMARY ELECTRIC SERVICE BOX.
- 21 PROVIDE GROUND FAULT INDICATION.
- 22 REMOVE EXISTING GENERATOR AND ASSOCIATED FUEL OIL (BASE TANK), SHORE POWER ETC.. REMOVE IN COORDINATION WITH THE PROJECT SCHEDULE, TEMPORARY GENERATORS PROVISIONS AND CONSTRUCTION/ACCESS.
- 23 RE-CIRCUIT/EXTEND TRANSFER SWITCH GENERATOR CONTROLS AND MONITORING CIRCUITRY TO TEMPORARY GENERATOR(S) TO ACCOMMODATE PHASING AND TO FINAL PERMANENT GENERATOR.
- 24 AUTOMATIC TRANSFER SWITCH CLOSED TRANSITION SHALL COMPLY WITH GRANGE AND ROKLAND UTILITIES GUIDELINE FOR CLOSED TRANSITION TRANSFER. THE PARALLEL (INTERCONNECTION) TIME SHALL BE 6min AND SHALL COMPLY WITH O&R DISTRIBUTED GENERATION REQUIREMENTS.
- 25 PROVIDE PERMANENT ENGRAVED LABEL PLACARD WITH 2" HIGH ENGRAVED LETTERING READING: "ELECTRIC UTILITY MAIN SERVICE SWITCH NUMBER 1 OF 2."
- 26 PROVIDE PERMANENT ENGRAVED LABEL PLACARD WITH 2" HIGH ENGRAVED LETTERING READING: "ELECTRIC UTILITY MAIN SERVICE SWITCH NUMBER 2 OF 2."
- 27 RELOCATE METER TO EXTERIOR TO ACCOMMODATE ELECTRIC UTILITY REQUIREMENT. RELOCATE METER. PROVIDE NEW PAN SOCKET AND ASSOCIATED ANCILLARY DEVICES ETC....

