INSTRUCTIONS TO BIDDERS

Mail or deliver this entire completed bid package in a sealed envelope to be received no later than 9:00 a.m. on Wednesday, August 31, 2016

TO: City of Torrington
Purchasing Department
140 Main Street
Torrington CT 06790

To be noted on outside of envelope:

DO NOT OPEN UNTIL 9:00 a.m. on Wednesday, August 31, 2016

Project No. 143-425
678 Migeon Avenue
Torrington CT 06790

THERE WILL BE A MANDATORY PRE-BID CONFERENCE AT THE ABOVE SITE AT:
8:30 a.m. on: Wednesday, August 24, 2016

NOTE: CONTRACTOR IS TO SUBMIT THIS ENTIRE BID PACKAGE. ALL BIDS MUST BE FILLED OUT COMPLETELY. IT IS SUGGESTED THAT CONTRACTORS RETAIN A COPY OF THIS ENTIRE BID PACKAGE.

ALL BIDS SHALL REMAIN IN EFFECT FOR FORTY FIVE (45) CALENDAR DAYS AFTER THE RECEIPT OF BIDS.

CONTRACTOR'S BUSINESS NAME: _____
(PLEASE PRINT)

AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER
WBE / MBE / SBE AND SECTION 3 DESIGNATED CONTRACTORS
ARE ENCOURAGED TO APPLY

CITY OF TORRINGTON
SCOPE OF WORK, PART 1, GENERAL CONDITIONS

OWNER: Thomas & Marjorie Clayton
ADDRESS: 678 Migeon Avenue
Torrington CT 06790

PROJECT: 143-425

1. The Contractor, unless otherwise specified, shall provide all labor, materials, tools, equipment, and related items, and pay all necessary taxes, fees, and permits necessary to complete all of his work as detailed on the attached scope of work.

2. All rehabilitation, alterations, repairs, or extensions shall be in compliance with all applicable codes of the Municipality. All electrical, heating, and plumbing work shall comply with the rules and regulations of the National, State and Local Codes. Before commencing work, contractors and/or subcontractors shall obtain all necessary permits.

3. The Contractor certifies that he has familiarized himself with the requirements of the specifications and plans and understands the extent and character of the work to be done, and inspected the premises and given his full attention to any and all areas with which he might become specifically involved. He must familiarize himself with all conditions relating to and affecting his work and bid.

4. The selected Contractor must, prior to contract signing, supply the City of Torrington and the Owner with the original certificates of insurance for general liability, auto liability, and worker's compensation, as applicable. General liability insurance shall be a broad form contractual endorsement with minimum limits of one million ($1,000,000.00) dollars per occurrence for bodily injury and five hundred thousand ($500,000.00) dollars per occurrence for property damage. Auto Liability insurance shall cover hired and non-hired autos in accordance with State law. Workers' Compensation Insurance shall have a minimum limit of one hundred thousand ($100,000.00) dollars for each accident. The Contractor shall indemnify and save harmless the Owner and the City of Torrington under these policies. The contractor shall name the City of Torrington, its agents and the Owner as additional insured as their interests may appear on the General Liability Insurance.

5. The Contractor agrees that all services offered by the Municipality through L. Wagner & Associates, Inc. (hereinafter referred to as the "Consultant"), which may affect the Contractor, are offered by the Municipality in order to assist in the project implementation and the necessary program compliance. The Contractor agrees to, upon review and acceptance of such services provided, indemnify, defend, save and hold harmless the Municipality and Consultant, their officers, agents and employees from and against any and all damage, liability, loss, expense, judgment or deficiency of any nature whatsoever (including, without limitation, reasonable attorney's fees and other costs and expenses incident to any suit, action or proceeding) incurred or sustained by Municipality or consultant which shall arise out of or result from consultant's performance in good faith of services pursuant to the Professional Services Contract. The Contractor agrees that the Consultant shall not be liable to the Contractor, its heirs, successors or assigns, for any act performed within the duties and scope of employment pursuant to Professional Services Contract.

6. All materials shall be new and of acceptable quality. The property Owner shall select all colors, models, etc. All materials and work must be applied in accordance with the applicable manufacturer's latest instructions and specifications, and in accordance with Federal prohibitions against the use of lead paint. All manufacturers' warranties are to be extended to the property Owner free and clear of all liens. Unless otherwise specified, all labor, material, and workmanship provided by the Contractor shall be guaranteed by the Contractor for a one (1) year period from the date of the Certificate of Completion. This guarantee shall be in addition to and not in limitation of, in lieu of, or modify any other guarantee that is due the property Owner from any manufacturer.

7. The Contractor shall repair or replace all work, materials, and equipment which are found to be defective during construction and the guarantee period. Repair shall include all damage to surrounding work caused by the failure and/or necessary for the repair or replacement of the defect. All repairs and replacements shall be performed at no additional expense to the Owner and shall be completed promptly after the Contractor receives notice of the defect.

8. The Contractor shall take all necessary measures and precautions to protect the surroundings from damage occurring due to performance of the work. If such damage occurs it will be repaired by the Contractor at no cost to the Owner.

9. The Contractor shall dispose of all debris and remove all material resulting from his work in accordance with local and State law. The Contractor shall police and maintain a clean and safe job site daily. He shall reinstall accessories taken down and clean up all scrap around the project and remove fingerprints. All on-site maintenance relating to the performance of the work shall be the responsibility of the Contractor until the Certificate of Completion is issued. The project shall be maintained in a habitable and safe condition daily if the project is to remain occupied.

10. All work shall be neat and accurate and done in a manner in accordance with customary trade practices.

11. The Contractor shall not make <u>any</u> changes to the scope of work unless a change order is processed and fully executed by the property Owner and the Program.

12. The Owner may cancel this contract by (to be determined) and not be liable to the Contractor or the Municipality. Should the Owner opt to cancel they must sign and send the attached cancellation notice, see Attachment A, to the Contractor, otherwise the Owner shall issue a Notice to proceed authorizing the contractor to commence with the proposed improvements. Should the Notice to Proceed not be issued prior to 10 consecutive calendar days from the date of the expiration date of the right to cancel then the Contract will become Null and void.

13. The Contractor shall commence work under this contract prior to (to be determined) and complete the work by (to be determined).

14. If the Contractor is delayed at any time in the progress of the work by any act or neglect of the Owner or by any employee of the Owner, or by any separate Contractor employed by the Owner, or by changes ordered in the work or by labor disputes, fire, unusual delay in delivery of materials, transportation, adverse weather conditions not reasonably anticipatable, unavoidable casualties, or any causes beyond the Contractor's control, or by delay authorized by the Owner pending arbitration, or by any other cause which justifies the delay, the contract time shall be extended by Change Order for such reasonable time as may be agreed upon by all parties. It shall be the responsibility of the Contractor to request and document in writing such extensions within three (3) calendar days. In the event that the Contractor does not commence or pursue the work as hereinafter stated, then the Owner shall have the right to terminate this agreement and to hire a successor Contractor to perform the work. Any such termination shall be by certified mail to the address noted in this agreement, and shall be effective as of the date of mailing. Payments by the Owner in the event of termination shall be as follows:

15. The successor Contractor shall first be paid and then the terminated Contractor. Payments to the terminated Contractor shall be limited both as to those funds remaining after payment to the successor Contractor but shall not exceed the value of the work actually performed by the terminated Contractor. Further, should the total cost for work performed under this contract exceed the amount stated in this agreement due to the Contractors termination, then the Owner shall have a cause of action against the terminated Contractor for any such additional cost.

16. If, through any cause, the Contractor shall fail to fulfill in a timely and proper manner his obligations under this Contract, or if the Contractor shall violate any of the covenants, agreements, or stipulations of this Contract, the Owner shall, thereupon, have the right to terminate this Contract by giving written notice to the Contractor of such termination and specifying the effective date of such termination. In such event, all unfinished work required by the Contractor under this Contract shall, at the option of the Owner, be completed or not.

17. The Contractor may request a maximum of (to be determined) progress payments as work is completed in accordance with the attached specifications. The request shall be in the form of an itemized bill for that portion of work completed by the Contractor. All requests for payment shall be accompanied by a fully executed Lien Waiver, on a form provided by the Program. Final payment is contingent upon the receipt of a signature of the respective inspector for which each permit was issued. The Contractor shall be responsible for obtaining the signatures and presenting them upon final payment.

18. All claims or disputes between the Owner and Contractor arising out of or related to the work shall be resolved in accordance with Construction industry arbitration rules of the American Arbitration Association (AAA), unless the parties mutually agree otherwise. The Owner and Contractor shall submit all disputes or claims, regardless of the extent of the work's progress, to AAA. Notice of the demand for arbitration shall be filed in writing, with a copy to the other party to this Construction Agreement, and shall be made within a reasonable time after the dispute has arisen. The award rendered by the arbitrator shall be final, and judgment may be entered upon it in accordance with applicable law in any court having jurisdiction thereof. IF the arbitrator's award is in a sum which is less than that which was offered in settlement by the Owner, the arbitrator may award costs and attorney's fees in favor of the Owner.

If the award of the arbitrator is in a sum greater than that which was offered in settlement by the Contractor, the arbitrator may award costs and attorney's fees in favor of the Contractor.

It is understood and agreed by the parties hereto that neither party will institute any form of legal action, including, but not limited to, attaching the assets of the other party, unless and until it has made a good faith attempt to have the dispute resolved in accordance with the provisions of this Section. Noncompliance with the conditions precedent constitutes a waiver of the right to assert said claim.

19. Section 3 of the Housing and Urban Development Act of 1968 applies to this contract if the amount of HUD assistance exceeds $200,000 or the contract or subcontract exceeds $100,000. The Contractor shall, to the maximum extent feasible, provide opportunities for training and employment in connection with this contract to low income persons residing in the PMSA relevant to the project t location. The Contractor must make a good faith effort to fill any job vacancies and training opportunities with low income persons residing in the PMSA relevant to the project location. Where the preceding applies, contractors must comply with the following Section 3 Clause:

A. The work to be performed under this contract is subject to the requirements of Section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 1791u (Section 3). The purpose of Section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by Section 3, shall, to the greatest extent feasible, be directed to low- and very low-income persons, particularly persons who are recipients of HUD assistance for housing.

B. The parties to this contract agree to comply with HUD's regulations in 24 CFR part 135, which implement Section 3. As evidenced by their execution of this contract, the parties to this contract certify that they are under no contractual or other impediment that would prevent them from complying with the part 135 regulations.

C. The Contractor agrees to send to each labor organization or representative of workers with which the Contractor has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or workers representative of the Contractor's commitments under this Section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the Section 3 preference shall set for the minimum number and job titles subject to hire, availability of apprenticeship and training positions, the qualifications for each; and the name and location of the person(s) taking application for each of the positions; and the anticipated date the work shall begin.

D. The Contractor agrees to include this Section 3 clause in every subcontract subject to compliance with regulations in 24 CFR part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this Section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR part 135. The Contractor will not subcontract with any subcontractor where the Contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR part 135.

E. The Contractor will certify that any vacant employment positions, including training positions, that are filled (1) after the Contractor is selected but before the contract is executed, and (2) with persons other than those to whom the regulations of 24 CFR part 135 require employment opportunities to be directed, were not filled to circumvent the Contractors obligations under 24 CFR part 135.

F. Noncompliance with HUD's regulations in 24 CFR part 135 may result in sanctions, termination of this contract for default, and debarment or suspension from future HUD assisted contracts.

20. The Contractor will not discriminate against any employee or applicant for employment because of race, color, creed, religion, sex, sexual preference, national origin, or mental or physical disability during the performance of this agreement. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, in all employment practices such as the following: employment, upgrading, demotion or transfer, recruitment, advertising, layoff or termination, rates of pay or other forms of compensation and selection for training, including apprenticeship, without regard to their race, color, creed, religion, sex, sexual preference, national origin or mental or physical disability. This provision will be inserted in all subcontracts for work covered by this agreement.

21. In the event of the Contractor's noncompliance with this equal opportunity clause or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the Contractor may be declared ineligible for further contracts in accordance with procedures authorized in Presidential Executive Order 11246, or by rule, regulations, or order of the Secretary of Labor or as provided by law.

22. The following applies to all contracts of $10,000.00 or more: SECTION 402 VETERANS OF THE VIETNAM ERA. AFFIRMATIVE ACTION FOR DISABLED VETERANS AND VETERANS OF THE VIETNAM ERA. The Contractor will not discriminate against any employee or applicant for employment because he or she is a disabled veteran of the Vietnam era in regard to any position for which the employee or applicant for employment is qualified. The Contractor agrees to take affirmative action to employ, advance in employment and otherwise treat qualified disabled veterans and veterans of the Vietnam era without discrimination based upon their disability or veteran status in all employment practices such as the following: employment upgrading, demotion or transfer, recruitment, advertising, layoff or termination, rates of pay or other forms of compensation and selection for training, including apprenticeship.

23. The premises herein shall be occupied during the course of the construction work.

24. No officer, employee or member of the Governing Body of the City of Torrington shall have any financial interest, direct or indirect, in this contract or the proceeds of this loan.

25. The Owner and/or City Torrington retains the right to reject any or all bids or any part of any bid in part or in whole if deemed to be in the best interest of the Owner and/or City Torrington.

26. Substitutions of materials from that specified are only allowed on an approved/equal basis. The Contractor must submit written documentation of the substitute item or material for approval by the Owner and Program prior to making such substitution. Any items or material substituted by the Contractor without prior written approval of the Owner and Program will at Contractor's expense be replaced if it is determined not to be equal to the item or material specified. Any surrounding, adjoining, or dependent items affected by replacement of unequal substituted material shall also be replaced, reworked, and reinstalled at no cost to the Owner.

27. Bids shall contain prices for general categories of work and/or items as specified on the attached sheets. In the event of a discrepancy between prices listed in the specifications and those on the cost summary sheet, the prices listed on the specification for that section shall prevail. In the case of a mathematical error by the Contractor, the correct sum of the individual line items in the specifications (not in the cost summary) shall be the Contractor's bid.

28. All bids shall remain in effect for thirty (30) calendar days.

29. The Owner will supply all necessary power required by the Contractor at no additional cost to complete his work. Power shall be limited to the use of existing outlets and shall not exceed the existing capacity of the system. Power required over the capacity of the existing electrical system shall be the responsibility of the Contractor. Heating during construction shall be supplied by the owner.

30. OTHER PROVISIONS - LEAD BASED PAINT

A. Any and all rehabilitation work under this Agreement will comply with the requirements of the Federal Lead-Based Paint Poisoning Prevention Act (42 U.S.C. 4831) which prohibits the use of lead-based paint in residential structures constructed or rehabilitated with Federal Assistance in any form.

The construction or rehabilitation of residential structures with assistance provided under this contract is subject to the final regulations "Requirements for Notification, Evaluation and Reduction of Lead-Based Paint Hazards in Federally owned Residential Property and Housing Receiving Federal Assistance". The regulation is at 24 CFR Part 35. It implements sections 1012 and 1013 of the Residential Lead-Based Paint Hazard Reduction Act of 1992, Title X, of the Housing and Community Development Act of 1992. Sections 1012 and 1013 amend the Lead-Based Paint Poisoning Prevention Act of 1971.

Provided, however, that the Owner shall have sole responsibility for assuring that his property conforms to the Lead-Based Paint Removal Requirements and the Program shall not assume any liability whatsoever as a result of identifying volatile levels of Lead-Based Paint or its removal except insofar as to comply with applicable environmental regulations.

PUBLIC LAW 91-695 "LEAD-BASED PAINT POISONING PREVENTION ACT" The Contractor shall adhere strictly to the provisions of the "Lead-Based Paint Poisoning Prevention Act". Specifically, the Contractor will not utilize lead-based paint as a finish or undercoat or any other use in or out of residential dwellings funded in whole and/or part by the Federal Government.

31. The specifications and drawings, if any, are complimentary. Work described in the specifications does not necessarily have to appear on the drawings, nor does work described on the drawings necessarily have to appear in the specifications. The Contractor is responsible for estimating all work whether described in the specifications, the drawings, or both. If there is a discrepancy between the drawings and the specifications, the specifications shall prevail. All work, whether described in the specifications, or the drawings is to be included in the bid summary sheet by appropriate line item. The contract will only be awarded to general Contractors bidding on ALL line items.

ATTACHMENT A

Notice of Cancellation

To be determined

You may cancel this transaction without any penalty or obligation, within three business days from the above date.

If you cancel, any property traded in, any payments made by you under the contract or sale, and any negotiable instrument executed by you will be returned within ten business days following receipt by the seller of your cancellation notice, and any security interest out of the transaction will be canceled.

If you cancel, you must make available to the seller at your residence, in substantially as good condition as when received, any goods delivered to you under this contract or sale; or you may, if you wish, comply with the instructions of the seller regarding the return shipment of the goods at the seller's expense and risk. If you do make the goods available to the seller and the seller does not pick them up within twenty days of the date of the cancellation, you may retain or dispose of the goods without any further
obligation. If you fail to make the goods available to the seller, or if you agree to return the goods to the seller and fail to do so, then you remain liable for performance of all obligations under the contract.

To cancel this transaction, mail or deliver a signed and dated copy of this cancellation notice or any other written notice, or send a telegram to (Contractor Name) at (Contractor Address), (Contractor City, State, Zip), not later than midnight of (Contract Cancel Date).

I hereby cancel this transaction.

_____ _____

Signed Date

LEAD PAINT INFORMATION AND LEAD REPORT

LEAD HAZARDS

1. The contractor will address all lead hazards listed in the enclosed lead report.

2. If the total cost of the project exceeds $25,000 the contractor carrying out the work must comply with the licensing requirements established pursuant to Connecticut General Statute sections 20-474 through 20-476, and the Lead Licensure and Certification Regulations sections 20-478-1 through 20-478-2. The contractor carrying out the work must be licensed by the Connecticut Department of Public Health as a Licensed Lead Abatement Contractor. Employees carrying out the work must be certified as Lead Abatement Workers. At least one employee onsite must hold certification as a Lead Abatement Supervisor.

3. If the location of the rehabilitation project is the residence of a child under the age of six, then the contractor carrying out the work must comply with the licensing and certification requirements described in paragraph A, above. The contractor must also carry out lead abatement work, as described under the Lead Poisoning Prevention and Control Regulations section 19a-111-1 through 19a-111-11. A contractor shall not begin work until after the lead abatement work plan has been approved by the local Director of Health.

4. If the total cost of the project is under $25,000 the contractor carrying out the work must comply with the requirements of the U.S. Environmental Protection Agency's (EPA) Renovation, Repair and Painting Rule (RRP Rule), as well as with HUD's Lead-Safe Work Practices requirements. The company or firm hired to carry out the work shall hold the credential of "EPA RRP Certified Firm." An individual representing that firm, must hold the credential of "EPA certified Renovator." Workers onsite must be trained in lead-safe work practices. (Please note: Although the HUD Lead-Safe Work Practices requirements do not apply to projects that are below $5,000, the EPA RRP Rule does apply to projects that cost less than $5,000. Also, the EPA and HUD lead-safe work practices 'certifications' are not equivalent to the licensure and certification requirements of the Connecticut Department of Public Health.)

DISPOSAL

1. The Contractor shall perform a Toxicity Characteristic Leaching Procedure test, TCLP, as pursuant to Regulations of Connecticut State Agencies Section 22a-449(c)-101(a) (1), incorporating 40 CFR 262.24.

2. The TCLP test will determine the toxicity of the material being disposed of and classify it as either bulky waste or hazardous waste.

3. The Contractor shall assume in their bid price that the TCLP test will result in the disposal of the material as bulky waste. In the event that the TCLP test determines the material to be disposed of as hazardous waste a change order will be negotiated prior to the disposal.

4. The Contractor shall provide the Owner, Town and Consultant with copies of the TCLP test results.

CLEARANCE TESTING

1. The Contractor shall hire a Licensed Lead Abatement Consultant, who employs a Certified Lead Inspector or Certified Lead Inspector Risk Assessor to carry out a re-inspection of the work area where lead hazards have been controlled or eliminated. The re-inspection and clearance sampling shall be done only after completion of the project. If visible debris remains in the work area, the project is not complete. The licensed lead consultant and certified inspector shall issue a letter of compliance when the lead remediation or lead abatement work, and dust wipe results are found to be acceptable.

2. The Contractor shall provider the owner, and town with copies of the dust wipe clearance results and the letter of compliance.

BOSTON LEAD COMPANY, LLC

Environmental Training and Assessment

62 Washington Street
Middletown, CT 06457

Lead-Based Paint Inspection
Risk Assessment Report

Abatement Scope of Work is in Appendix III

For The Site Located at:
678 Migeon Avenue
Torrington, CT 06790

Prepared For:
Bob Caliolo
L. Wagner & Associates
51 Lakeside Blvd. East
Waterbury, CT 06708
&
Thomas and Marjorie Clayton
678 Migeon Avenue
Torrington, CT 06790

By:

Joyce Morin, Certified Inspector, # 002206
Boston Lead Company, LLC
62 Washington St.
Middletown, CT 06457
860-347-7277
Connecticut License No. 0002105
6/30/2016

Table of Contents

BOSTON LEAD COMPANY, LLC

Environmental Training and Assessment

62 Washington Street
Middletown, CT 06457

I. Executive Summary

On June 15, 2016, Joyce Morin, a Certified Lead Inspector and Penelope Craig, Risk Assessor with Boston Lead Company, LLC performed a limited lead-based paint inspection/risk assessment of the property at 678 Migeon Avenue, Torrington, CT 06790 at the request of the client, Bob Caliolo, L. Wagner & Associates and the owner, Thomas and Marjorie Clayton. The dwelling, built in 1900, is a two family apartment house. The purpose of the Risk Assessment was to determine whether there were toxic lead-based paint hazards or potential hazards and recommend management strategies to create a Lead-Safe Environment. There is no child under 6 living in this dwelling. This property may be receiving funds from the City of Torrington Small Cities Rehabilitation Grant
Lead-based paint and paint hazards were found in the following areas: (1) the exterior doors: 1st Floor Side A – 2, 2nd Floor Side A-1, 1st Floor Side B – 1 to kitchen, 2nd Floor Side B-1 to kitchen (2) the exterior wood windows – both cellar and house (3) the garage walls and trim (4) Interior: Baseboard and ceiling in bedroom 12 and closet shelf and ceiling in Bedroom 13. Dust hazards were found on the floor in the front stairway (75.6 $\mu g/ft^2$). There were no soil or potential soil hazards.

Inspector:	Joyce Morin, CT Inspector Cert # 002206 Penelope Craig, Risk Assessor #002104 Boston Lead Company, LLC State of Connecticut License # 002105
Inspection Date:	June 15, 2016
Property Owner	Thomas and Marjorie Clayton 678 Migeon Avenue Torrington, CT 06790
Inspection Site:	678 Migeon Avenue Torrington, CT 06790
Inspection Description:	two family apartment house
Laboratory:	Schneider Laboratories 2512 West Cary Street Richmond, VA 23220 800-785-5227 Analytical Method: EPA 7420
XRF Analyzer:	NITON XLP 300 Serial #: 23135

II. Lead Hazard Results

1. Threshold Standards

Paint:

The Environmental Protection Agency (EPA), the Department of Housing and Urban Development (HUD) and the State of Connecticut Department of Public Health's allowable level of lead in paint is less than 0.50% by dry weight. The paint chip analysis was done by Atomic Absorption Spectrometry (AA).

The X-Ray Fluorescence Analyzer (XRF) is the most common and accepted means of field-testing for lead in paint. Atomic absorption spectrometry (AAS) is used for paint chip samples in the laboratory. XRF detects lead through gamma ray technology. It is designed to measure the total weight of lead in a measured area. The results are reported in milligrams per square centimeter (mg/cm2). Most states have set a legal limit for lead in paint: State of Connecticut DPH uses the equal to or greater than 1.0-mg/cm^2 is positive for lead-based paint.

Dust:

The **EPA** and **HUD** lead in dust threshold standard is:

Floors	40 µg/ft^2
Window Sill	250 µg/ft^2
Window Trough	400 µg/ft^2

The **Department of Public Health for the State of Connecticut** lead in dust threshold standard is:

Floors	40 µg/ft^2
Window Sill	250 µg/ft^2
Window Trough	400 µg/ft^2

Soil:

The Department of Public Health for the state of Connecticut lead in soil threshold standard, when there are children under six, is:

DPH	≥ 400 ppm - Abatement
EPA/HUD	Allowable with action Level in all other properties: ≥ 400-1200 ppm – Landscaping Controls or if there is a child under 6 residing at the property – abatement ≥ 1200 ppm -- Abatement of soil hazards

2. List of Location and Type of Identified Lead Hazards:

A lead inspection/risk assessment was performed. Dust and soil hazards were performed

and the results are attached. There was no water sampling.

A. Lead-Based Paint Hazards that require treatments and Interim Control or Abatement Recommendations

Exterior

The exterior house is good condition. The exterior is enclosed with vinyl siding and aluminum trim. The windows and exterior doors have not been replaced. This house is not in an Historic District and there are no children under 6 living in this house. The contractor must use lead-safe work practices if any painted surface on the exterior of the house is affected. The inspection/risk assessment showed that lead-based hazards (as defined in Title X of the 1992 Housing and Community Development Act) exist in the following locations:

Location/Component/Surfaces with LBP	Side	Type of LBP Hazard/Notes	Method Suggested		Monitor
			Interim Controls	Abatement	
Exterior - Main House					
Exterior Door Components: Side A 1st Floor – Door to Common Area Side A 1st Floor – Door to Living room – Ext. of Door, Stop & Threshold Side A 2nd Floor –Common Area Door from enclosed porch to CA Side B 1st & 2nd Floor – Doors to Kitchen Side C – Barn Door	A, B & C	F/I & DS	Standard Treatments	R & R	Yes/No
Wood Windows	All Sides	F/I & DS-	Standard Treatments	R & R	Yes/No
Cellar Window Components Side B Casing on Side C	B & C	DS/F/I	Standard Treatments	R & R	Yes
Garage Components: B Wall and All Trim	All Sides	DS	PS	LENCAP	Yes

IS=Intact Surface DS=Defective Surface F/I=Friction or Impact Surface: PS=Paint Stabilization LENCAP=Liquid Encapsulation
R&R=Remove and Replace: Standard Treatments = Doors or Windows: make substrate whole and workable, adjust friction surfaces and paint stabilize

All Grounds were intact except at the Dripline; soil samples were taken and the results are below the EPA threshold for lead-in-soil.

Interior

The interior is in fair/poor condition. There are two bedrooms, a living room, kitchen, dining room and bath on the first floor and four bedrooms, a kitchen, enclosed front porch

and a bath on the second floor. Most of the renovations have been done on the first floor by the owner of the home. The inspection/risk assessment showed that lead-based hazards (as defined in Title X of the 1992 Housing and Community Development Act) exist in the following locations:

Location/Component/Surfaces with LBP	Sides	Type of LBP Hazard/Notes	Method Suggested		Monitor
			Interim Controls	Abatement	Yes/No
1st Floor					
Room 7-8: Entry and Stair					
Dust Sample: Floor- 75.6 µg/ft²: Specialized Cleaning					
Bedroom 12					
Baseboard & Ceiling	All Sides	DS	PS	LENCAP	Yes
Room 13: Bedroom					
Closet Shelf & Ceiling	All Sides	DS	PS	LENCAP	Yes

B. Management of Remaining Surfaces

There are other painted surfaces that have been tested for lead and are in "intact condition" and should be monitored and maintained to ensure that no other deterioration occurs. However, these surfaces are not considered to be "hazards", using the criteria in the 1995 HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing.

Those surfaces are:

Location/Component/Surfaces with LBP	Sides	Type of LBP Hazard/Notes	Method Suggested		Monitor
			Interim Controls	Abatement	Yes/No
Exterior					
Enclosed Walls and Trim	All Sides	IS - Enclosed	None	None	Yes

3. Disclosure Regulations

A copy of this complete report must be made available to new lessees (tenants) and/or must be provided to purchasers of this property under Federal law before they become obligated under any future lease or sales contract transactions (Section 1018 of Title X – found in 24 CFR Part 35 and 40 CFR Part 745), until the demolition of this property. Landlords (Lessors) and/or sellers are also required to distribute an educational pamphlet developed by the EPA entitled *"Protect Your Family From Lead in Your Home"*

and include standard warning language in their leases or sales contracts to ensure that parents have the information they need to protect their children from LBP hazards.

4. Limitations of the Survey and Report

This report makes no presumption or presentations about other materials located behind walls, under floors or found once any demolition begins or materials associated with other structures located at this address.

This report does not make any claims about the surfaces in the structure that are of the same type of material, but which were not themselves tested.

As a specific example of this limitation, if only one window in a room were tested, its results cannot be presumed to be applicable to other windows in that (or any other) room. If any assumptions are to be made from the results of this report, they are made in favor of treating an area as if it were lead-based painted.

III. Building Condition Form

Building Condition Form

Condition	Yes	No
Roof missing parts of surfaces (tiles, boards, etc.)		X
Roof has holes or large cracks		X
Gutter or downspouts broken	X	
Chimney masonry cracked, bricks loose or missing, obviously out of plumb		X
Exterior or interior walls have obvious large cracks or holes requiring more than routine painting		X
Exterior siding has missing boards or shingles	X	
Water stains on interior walls or ceilings	X	
Plaster or drywalls deteriorated	X	
Two or more windows or doors broken, missing or boarded up	X	
Porch or steps have major elements broken, missing or boarded up		X
Foundation has major cracks, missing material, structural leans or visibly unsound		X
Total	5	6

If the "yes" column has 2 or more checks, the dwelling is considered to be in poor condition for the purposes of a risk assessment. However, specific conditions and extenuating circumstances should be considered before determining final condition of the building and the appropriateness of a lead hazard screen.

IV. Lead Hazard Control Options

1. Control Officer

1) Name of Individual in Charge of Future Lead-Based Paint Hazard Control: **Thomas and Marjorie Clayton**
2) **Recommended Changes to Work Order System and Property Management.**

The existing and future work order system is an informal verbal one. If painted surfaces will be disturbed during a particular repair job, the painted surface should be tested to determine if it has lead-based paint on it. If it does **(or if testing is not completed)**, the maintenance worker should take the necessary precautions by wetting down the surface and performing cleanup. If the surface area is large or if the work will generate a significant amount of dust, clearance testing should be completed before residents move back into the room. The table in Appendix I can be used as a general guide in determining whether maintenance jobs are likely to be high risk or low risk. When work is assigned, the owner or worker should determine whether or not the job is low or high risk and adopt protective measures as needed.
When work is assigned, the owner or worker should determine whether or not the job is low or high risk and adopt protective measures as needed. In addition:

Additional Regulations as of April 22, 2010 (for all residential properties built before 1978 without Lead Abatement Orders issued by the Local Board of Health and/or any childcare center or school built before 1978): Any work performed on the property that has not been tested and/or confirmed negative for lead-based paint must be carried out using Lead-safe work practices. All work must be performed by an EPA Certified Firm using an EPA Certified Renovator to perform the work and direct lead-safe work practices.

2. Recommendations and General Specifications

1) Repairs Prior To Abatement or Remediation

PLEASE NOTE:

- **Water Leaks**: Must be corrected prior to abatement regardless of the method of abatement. Uncorrected water leaks can cause encapsulating material to fail if the underlying lead painted surface deteriorates. Moisture can also cause paint on stripped surfaces (and unabated surfaces) to fail and expose lead residue that may remain on the substrate after stripping by heat, caustic chemicals, solvents or scraping.

- **Heating Systems**: Inadequate heat after abatement may lead to failure of encapsulants and paint. Therefore heating systems must be repaired. Prior to abatement forced air systems must be shut down and sealed to prevent transport of lead contamination from the abatement area to other areas of the residence.

- **Electricity:** Lack of electricity on the site can impede abatement because of inadequate lighting and may limit the options that are available for on-site paint removal. Electricity must be restored.

2) **Lead Hazard Control Techniques to be used:**

The Department of Housing and Urban Development's Requirements for Notification, Evaluation and Reduction of Lead-Based Paint Hazards in Federally Owned Residential Property and Housing Receiving Federal Assistance, **24 CFR Parts 35 et al,** more commonly known as the 1012/1013 Rule was used in determining the Lead Hazard Control Options, training requirements, cleaning and clearance requirements, and ongoing Lead-Based Paint Maintenance and Reevaluation Requirements at 678 Migeon Avenue, Torrington, CT 06790. However, when there are children under six living in the apartments and/or at least one child with an elevated blood lead level, abatement of defective, friction and/or chewable surfaces is required under the **State of Connecticut Regulation, Section 19a-111-1 through 19a-111-11.** This inspection/risk assessment addresses the lead hazards found, however it does not address any code violations there may be. It is recommended that when and if there are any code violations they be assumed that there is lead-based paint present and that Lead-Safe Work Practices are used. The alternative is that the paint be inspected in the specific areas where the violations are addressed. **Lead Testing and a Risk Assessment was done and no children under six live in the dwelling.**

An EPA Certified Firm with EPA Certified Renovators must perform Interim Controls and any lead work on assumed surfaces. Any abatement work must be performed by State of CT DPH Licensed Lead Abatement Contractors with Certified Abatement Supervisors and Workers.

A. **Interim Controls:** Interim controls are a set of measures designed to temporarily reduce human exposure or likely exposure to lead-based paint hazards. Interim controls include repairs, maintenance, painting, temporary containment, specialized cleaning, ongoing monitoring of lead-based paint hazards or potential hazards, and the establishment an operation of management and resident education programs. All interim control strategies require worksite preparation, cleanup, waste disposal, clearance testing, record keeping, and, if applicable, monitoring. Individuals performing interim controls must be trained in Lead-Safe Work Practices or certified.

i. **SPECIALIZED CLEANING**

Wet clean all surfaces with a lead specific detergent. Then vacuum the surfaces using HEPA filtered vacuum equipment. Utilize wet methods and HEPA vacuuming techniques as described in OSHA 29 CFR 1926.62.

ii. **PAINT STABILIZATION**

- Remove surface dust, dirt, mildew, scale, rust or other debris by misting with lead-specific detergent solution. Remove loose paint using wet scraping methods until a sound surface is achieved. Dry scraping is prohibited. Remove unsound substrate not firmly adhered and repair with an appropriate patching material. After scraping, wet sand surfaces to smooth any rough edges/areas.
- Apply at least two (2) coats consisting of primer and paint/liquid encapsulant to areas where paint has been removed to fully stabilize the surface. Exterior surfaces

shall match surrounding color schemes (if needed). Color is to be approved by owner.

iii. STANDARD TREATMENTS - WINDOWS

- Stabilize the paint on the window component surfaces as noted above.
- Install channel guides between the sashes and stops/parting beads/jambs to reduce or eliminate rubbing and friction impact. Channel guides may be one or two-piece systems of vinyl, coil stock or other suitable material to effectively line the window jamb/stop/parting bead channel and sashes to eliminate friction to the painted surfaces.
- Clean the window wells and sills utilizing specialized cleaning techniques as noted above. Cover the window wells with aluminum coil stock

iv. STANDARD TREATMENTS - DOORS

- Stabilize the paint on the door component surfaces listed in the scope of work as noted in 2.10.2.
- Eliminate rubbing and friction impact by using methods such as: Re-hanging the door and/or plane the top, bottom and strike side surfaces of the door edges
- If door and/or stop is listed: install impact bumper pads or strip material on the door or stop to eliminate impact damage to paint coating, but allow door to close and latch/lock properly. Bumper pads or strip material shall be permanently attached by tacking, nails, screws, etc. (No glue or adhesive backing strips.) If door stops are easily removed (attached to surface of jamb) then it is recommended to simply replace them.
- Install door stops on the door hinges and/or baseboards to eliminate impact damage to the door/walls when opening.

v. COVERINGS

- Stabilize the paint on the door component surfaces listed in the scope of work as noted above.
- Cover the surface with an appropriate material which will reduce/eliminate friction and impact damage. Such materials may include aluminum coil stock, luan board, indoor/outdoor carpeting, vinyl flooring, stair treads/risers, polyurethane floor varnish, aluminum/vinyl siding, etc. Ensure the covering material is properly secured to the substrate below using adhesive, screws, caulk, etc.
- Covering of stair step treads/risers/landings shall typically incorporate the following techniques as specified: Paint stabilization followed by carpeting, covering the entire tread/riser and landing surfaces; or paint stabilization followed by installing vinyl/rubber stair treads (with a bull nose) which cover the entire step/tread, and vinyl/rubber or luan panels which cover the entire riser and/or landing surface.

vi. SOIL TREATMENTS (COVERINGS)

- Remove visible accumulations of paint chips from soil, paved walkways, patios and driveways using specialized cleaning techniques as noted above
- Covering with mulch, stone, or equivalent: apply weed block, cover bare soil with 4-6 inches of suitable cover material, and if not present, add edging material to contain material.

- Covering with soil/seed, sod, etc.: prepare soil for seed uptake or add 1-2 inches of top soil, add seed/fertilize mixture, and cover with hay to protect (unless product does not require). Owner is responsible for watering.

B. Abatement: Abatement is a measure or a set of measures designed to eliminate lead-based paint hazards or lead-based paint permanently. (Permanent is defined as at least 20 years effective life.) All abatement strategies require worksite preparation, cleanup, waste disposal, post-abatement clearance testing, record keeping, and, if applicable, monitoring. Individuals performing abatement activities must be trained, certified and licensed.

i. CHEMICAL PAINT REMOVAL

- Protect adjacent surfaces from damage from chemical removal. Maintain a portable eyewash station in the work area and provide proper respiratory protection to protect against vapors from chemical agents.
- Apply chemical (solvent or caustic) stripper in quantities, manner and for durations specified by manufacturer. Scrape lead based paint from surface down to bare substrate with no trace of residual pigment. Use sanding, hand scraping, and dental picks to supplement chemical methods as required to remove residual pigment.
- Apply neutralizer compatible with substrate and chemical agent to substrate following removal in accordance with manufacturer's instruction.

ii. MECHANICAL PAINT REMOVAL

- Protect adjacent surfaces from damage from abrasive removal techniques.
- Provide sanders, grinders, rotary wire brushes, or needle gun removers equipped with a HEPA filtered vacuum dust collection system. Cowling on the dust collection system for orbital-type tools shall be capable of maintaining a continuous tight seal with the surface being abated. Cowling on the dust collection system for reciprocating-type tools shall promote an effective vacuum flow of loosened dust and debris. Inflexible cowlings may be used on flat surfaces only. Flexible contoured cowlings are required for curved or irregular surfaces.
- Provide HEPA vacuums that are high performance designed to provide maximum static lift and maximum vacuum system flow at the actual operating vacuum condition with the shroud in use. The HEPA vacuum shall be equipped with a pivoting vacuum head.
- Remove all lead based paint from surface down to bare substrate with no trace of residual pigment. Use chemical methods, hand scraping, and dental picks to supplement abrasive removal methods as required to remove residual pigment.
- Perform wet scraping by using a spray bottle or sponge attached to a paint scraper. Wet scraping shall be utilized to prepare surfaces prior to paint film stabilization or encapsulation. Scraper blades should be kept sharp. After scraping, and prior to encapsulation, wet sand surfaces to smooth any rough areas. Stripped surfaces shall then be primed and painted with at least two coats of paint, Benjamin Moore© or equal, to match surrounding color schemes. Color is to be approved by owner.

iii. PROHIBITED PAINT REMOVAL METHODS

- The use of heat guns at temperatures above 700 degrees Fahrenheit to remove LBP.

- The use of sand, steel grit, water, air, CO2, baking soda, or any other blasting media to remove LBP.
- Dry hand scraping, sanding, wire brushing.
- Power tool assisted grinding, sanding, and/or cutting of LBP without the use of cowled HEPA vacuum dust collection systems.
- Burning, busting of rivets, and/or torch cutting of materials coated with LBP. Where cutting, welding, busting, or torch cutting or materials is required, pre-remove the LBP in the affected area.
- Use of chemical strippers containing methylene chloride. Use of caustic based strippers on aluminum or wood

iv. LEAD ENCAPSULATION

- Remove surface dust, dirt, mildew, scale, rust or other debris by scrubbing with lead-specific detergent solution and rinsing. Remove loose paint using wet scraping methods until a sound surface is achieved. Dry scraping is prohibited. Remove unsound substrate not firmly adhered and repair with an appropriate patching material.
- Remove and reinstall or protect electrical receptacles, hardware, and wall mounted objects from being painted-over by encapsulant. Protect adjacent finishes from paint splatter or other damage.
- Prior to application of encapsulants, perform the tape, X-cut tape and patch tests in accordance with the CTDPH guidance document information on Applying Liquid Encapsulants to Interior Surfaces for Property Owners and Lead Professionals to determine if the surface is suitable for encapsulation.
- Apply encapsulant in a continuous coat in accordance with the manufacturer's recommendations. Number of coats, wet and dry mil thickness, and application temperature are as specified in the manufacturer's instructions for application. Encapsulant shall be approved by the CTDPH for use (i.e. on the CTDPH Registry of Authorized Encapsulant Products). Use encapsulants only on substrates and locations approved for use in the manufacturer's instructions. Encapsulants proposed for exterior use shall be approved for exterior use on the CTDPH Registry. All encapsulants shall contain a taste deterrent such as BITREX©.
- New coats of paint or primer, wall paper cover and contact paper cannot be used as encapsulants. [CTDPH Section 19a-111-4(c)(3)] Application of encapsulants to friction or impact surfaces is prohibited.
- Exterior items such as: gutter system components, shutters, and/or any other type of material or component installed over LBP, shall be removed prior to encapsulation and re-installed without causing damage to building and/or removed component. Contractor shall not attempt to remove any service connections such as meters, boxes, and main service lines.
- Exterior surfaces shall also be painted with at least two coats of paint, Benjamin Moore© or equal, to match surrounding color schemes (if needed). Color is to be approved by owner.

v. COMPONENT REPLACEMENT

- Wet down components which are to be removed to reduce the amount of dust generated during the removal process.

- Remove components utilizing hand tools, and follow appropriate safety procedures during removal. Remove the building component by approved methods which will provide the least disturbance to the substrate material. Do not damage adjacent surfaces.
- Initiate cleanup immediately after component removals have been completed. Remove any dust located behind the component removed utilizing specialized cleaning techniques.
- Installed components shall be primed and painted with at least two coats of paint, Benjamin Moore or equal, to match surrounding color schemes. Color is to be approved by owner.

vi. ENCLOSURE

- Ensure all surfaces to be enclosed are free of dirt, dust, mildew, scale, rust or other debris by cleaning with lead-specific detergent solution. Properly remove all loose or peeling paint and wash down the surface with a lead specific detergent. Repair all substrate damage with an appropriate patching material.
- Label all LBP containing surfaces prior to enclosure.
- Cover the surface with an appropriate permanent material which will eliminate contact with the painted surface. See Item H below for material specifications.
- Enclosure of stair step treads/risers/landings shall incorporate one of the following techniques as specified: Liquid encapsulation followed by carpeting covering the entire tread/riser and landing surfaces; or paint stabilization followed by installing vinyl/rubber stair treads (with a bull nose) which cover the entire tread, and vinyl/rubber or luan panels which cover the entire riser and/or landing surface.
- Ensure all enclosure materials are properly fastened to existing substrate below using, adhesive, screws, etc. Do not damage adjacent surfaces. All seams shall be caulked using appropriate (interior/exterior) high quality caulk that can be painted over.
- If enclosure of siding and trim/soffits/etc. is specified replace LBP components of attic vents or combination of gable and soffit vent to meet ventilation requirements of roof and attic.

vii. SOIL ABATEMENT

- Remove the top 3-6 inches of soil. New soil and/or any replacement materials (mulch, stone, etc.) shall be certified as containing less than 400 milligrams of lead per kilogram of soil when analyzed by AAS.
- If soil is replaced with clean soil then follow with reseeding as listed above.

Identify which correction technique(s) will be used on the attached forms (See Summary Scope of Work, Appendix IV). General strategies for correction are paint stabilization, placement of barriers, restriction of access, and removal and replacement of components. Please note all techniques must be performed using lead-safe work practices.

3. **Work Practices**

The contractor and/or owner is responsible for using the best available engineering controls to reduce the potential for emissions to the exterior of an abatement area. Engineering controls may include but are not limited to, proper containment and control of the abatement area(s), provision of negative pressure within containment area(s), use of wet scraping/wet sanding methods and use of vacuum HEPA attached power tools. Items that must be taken into consideration are: room/area preparation, worker protection, surface preparation, clean up, and waste disposal.

4. **Work Area Preparation: Interior and Exterior**

All applicable factors listed below must be addressed during the work area preparation.

All Furniture, toys, and personal items must be removed from the project area.

Cover and seal all non-work surfaces with 6-mil polyethylene as follows:

- If large pieces of furniture cannot be moved from the work area these items will be covered as well.
- Non-movable objects.
- Air heating and conditioning systems will be turned off and air intake and exhaust systems will be seated with polyethylene and duct tape.
- Entrances to Project areas.
- Floors.
- Exterior work areas will have polyethylene extending three (3) feet per story being abated with a minimum of five (5) feet and a maximum of twenty (20) feet. For liquid waste, extend the end of the polyethylene a sufficient distance to contain the runoff and raise the outside edge of the sheets to trap liquid waste. Erect vertical shrouds if necessary to prevent any dust release to the neighboring areas.

5. **Lead Hazard Reduction and/or Abatement: See Scope of Work and/or Section 2A above in this report.**

6. **Final Cleaning:**

Three-step process – After completion of all lead hazard reduction activities, wet mist, fold and remove all containment 6-mil poly and place in 6 mil. Plastic garbage bags, goose neck and then tape shut. HEPA vacuum all visible surfaces including walls, floors and ceilings from the top down. Detergent scrub all horizontal surfaces in small sections using a 3-bucket system, (Wash, Rinse and Dirty Water Buckets) changing rinse water every 250 SF. Completely rinse with clean water and clean equipment. After surfaces are dry, HEPA vacuum all visible surfaces except ceiling.

7. Clearance:

Prior to final acceptance of the lead hazard reduction work and all rehab. Work, the property shall be visually inspected for any remaining paint chips, dust and debris and lead dust wipe samples shall be obtained from floors, window sills and window wells. Dust samples must be below the thresholds of:

Floors	40 μg/ft^2
Window Sill	250 μg/ft^2
Window Trough	400 μg/ft^2

Because the exterior trim is leaded; random window wells (one on each side) should be tested on the exterior once the project is completed.

V. Reevaluation and Monitoring Schedule

The dwelling will be clearance tested after the work has been completed to make certain that it was effective. After the work has been completed and clearance established, a certificate of Lead-based Paint Compliance will be appended to this report.

The owner will be responsible for monitoring surfaces with lead-based paint to ensure surfaces do not become defective. The owner must also include in their monitoring any lead based paint surfaces that are enclosed to ensure that the enclosure has not become defective and exposed the lead based painted surfaces. Monitoring will be done formally, at least, on a yearly basis.

Surfaces painted with a liquid encapsulant will be monitored on a monthly basis for the first 6 months, and annually thereafter.

The owner will ensure that anyone who is called in to do maintenance (i.e. electricians, plumbers etc.) on any enclosed or intact leaded surface will be notified that they are working on a leaded surface. This notification must be in writing.

Additional Regulations as of April 22, 2010 (for all residential properties built before 1978 without Lead Abatement Orders issued by the Local Board of Health and/or any childcare center or school built before 1978): Any work performed on the property that has not been tested and/or confirmed negative for lead-based paint must be carried out using Lead-safe work practices. All work must be performed by an EPA Certified Firm using an EPA Certified Renovator to perform the work and direct lead-safe work practices.

1. Method of Resident Notification of Results of Risk Assessment and Lead Hazard Control Program;

The summary of this report will be provided by the owner to the residents in the dwelling. The brochure in the Appendix will be provided to the residents. **(Done)** The dwelling will be tested after the work has been completed to make certain that

it was effective. After the work has been completed and clearance established, a certificate will be appended to this report.

2. **Signatures (Risk Assessor and Owner), Date and Certificate of Lead-Based Paint Compliance when remediation is complete**

Thomas and Marjorie Clayton Owner

Joyce Morin, Risk Assessor, Boston Lead Company, LLC

Appendix I: Tables of Risk and Protective Measures

Tables of High- and Low-Risk Job Designations for Surfaces known to have Lead-Based Paint

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Summary of Protective Measures for Low-Risk and High-Risk Jobs

Table (Taken from HUD *Guidelines*)
Summary of Low- and High-Risk Job Designations for Surfaces Known or Suspected to Have Lead-Based Paint

Job Description	Low Risk	High Risk*
Repainting (includes surface preparation)		√
Plastering or wall repair		√
Window repair		√
Window pane or glass replacement only	√	
Water or moisture damage repair (repainting and plumbing)		√
Door repair	√	
Building component replacement		√
Welding on painted surfaces		√
Door lock repair or replacement	√	
Electrical fixture repair	√	
Floor refinishing		√
Carpet replacement		√
Grounds keeping	√	
Radiator leak repair	√	
Baluster repair (metal		√
Demolition		√

* High-risk jobs typically disturb more than 2 square feet per room. If these jobs disturb less than 2 square feet, then they can be considered low-risk jobs.

Summary of Protective Measures for Low-Risk and High-Risk Jobs

Protective Measure	Low Risk	High Risk
Worksite preparation with plastic sheeting (6 mil thick)	Plastic sheeting no less than 5 feet by 5 feet immediately underneath work area	Whole floor, plus simple airlock at door or tape door shut
Children kept out of work area	Yes	Yes
Resident relocation during work	No	Yes
Respirators	Probably not necessary	Recommended
Protective clothing Note: Protective shoe coverings are not to be worn on ladders, scaffolds, etc.	Probably not necessary	Recommended
Personal hygiene (enforced hand washing after job)	Required	Required
Showers	Probably not necessary	Recommended
Work practices	Use wet methods, except near electrical circuits	Use wet methods, except near electrical circuits
Cleaning	HEPA vacuum and wet clean with suitable detergent around the work area only (2 linear feet beyond plastic)	HEPA vacuum/wet wash/HEPA vacuum the entire work area
Clearance	Visual examination only	Dust sampling during the preliminary phase of the maintenance program and periodically thereafter (not required for every job)

Employers must have objective data showing that worker exposures are less than the OSHA Permissible Exposure Limit of $50\mu g/m^3$ if respirators and protective clothing will not be provided.

If residents are present, the work area should be sealed off so that leaded dust does not enter the living area. Any furniture present should be moved or covered with plastic. The possible presence of lead-based paint should be considered in all repair and maintenance work.
Limited lead-based paint testing and sampling was completed and lead based paint was identified on the interior and exterior of the house.

An EPA Certified Firm with EPA Certified Renovators must perform Interim Controls and any lead work on assumed surfaces. Any abatement work must be performed by State of CT DPH Licensed Lead Abatement Contractors with Certified Abatement Supervisors and Workers.

Appendix II: Lead-Based Paint Testing Report

BOSTON LEAD COMPANY, LLC

Environmental Training and Assessment

Lead-Based Paint Survey Report

For The Site Located at
678 Migeon Avenue
Torrington, CT 06811

By:
Joyce Morin, Certified Inspector, #002209
Boston Lead Company, LLC
62 Washington St.
Middletown, CT 06457
860-347-7277
Connecticut License No. 0002105
June 23, 2016

BOSTON LEAD COMPANY, LLC

Environmental Training and Assessment

62 Washington Street
Middletown, CT 06457

Report #: P-06152014

Property: 678 Migeon Avenue
Torrington, CT 06811

Inspection For: Thomas & Margorie Clayton
678 Migeon Avenue
Torrington, CT 06790
&
Bob Caliolo
L. Wagner & Associates
51 Lakeside Blvd. East
Waterbury, CT 06708

Contact number: 860-496-9708 , owner
(203)573-1188 Client Number

Inspection Date: June 15, 2016

Instrument Type:

XRF: Niton XLp	**Serial:** 23135

Action Level: 1.0 mg/cm^2

Inspector: Joyce Morin

Operator's License #: State of Connecticut
Lead Inspector Lic. #:002209

Signature: Joyce Morin **Date:** June 23, 2016
of Boston Lead Co, LLC – CT Lic #: 2105

PHONE: 860-347-7277 FACSIMILE: 860-347-8288

BOSTON LEAD COMPANY, LLC

Environmental Training and Assessment

62 Washington Street
Middletown, CT 06457

On June 15, 2016, Joyce Morin, Certified Lead Inspector with Boston Lead Company, LLC performed lead testing of the property at 678 Migeon Avenue, Torrington, CT for the owner of the property, Thomas & Margorie Clayton and Client; L. Wagner & Associates.The purpose of this lead survey was to determine if there is any lead based paint (LBP) and paint hazards present on the interior and exterior of the house. Lead-in-dust and lead-in-soil samples were taken and the results are attached.

Executive Summary

Description of Property

The dwelling is a single family house built in 1900 that is in fair condition. This location was originally built as a two-family home which has been converted to a single-family home. The exterior walls are enclosed with vinyl siding with vinyl trim. There are both or original and new vinyl replacement windows. There is a front porch that is covered but not enclosed. On B-side of the house, there is a new entry stairwell/porch for both floors that has not yet been painted. There is a detached garage that's exterior walls are made of wood with all its original components.

The interior is in fair/poor condition. There are two bedrooms, a living room, kitchen, dining room and bath on the first floor and four bedrooms, a kitchen, enclosed front porch and a bath on the second floor. Most of the construction done has been made on the first floor by the owner of the home.

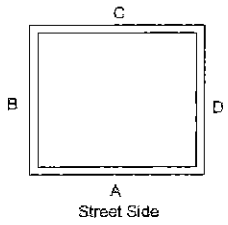
Lead Based Paint Determination

"Toxic level of lead", as defined in the State of Connecticut Regulation of Department of Public Health: The Lead Poisoning Prevention and Control Regulations, means a level of lead that " when present in a dried paint, plaster or other accessible surface in a dwelling or a facility that is used for child day care services, contains greater that 0.50% percent lead by dry weight as measured by flame atomic absorption spectrophotometry (FAAS), graphite furnace atomic absorption spectrophotometry (GFAAS), inductively coupled plasma-atomic emission spectrophotometry (ECP-AES) or another testing protocol deemed acceptable by the commissioner by a laboratory approved by the department for lead analysis, or equal to or greater than 1.0 milligrams lead per square centimeter of surface as measured on site by an X-Ray fluorescence analyzer or another testing protocol deemed acceptable by the commissioner.

Toxic Level of Lead Survey Procedure and Report Format

The lead inspection consists of testing applicable painted surfaces utilizing an XRF instrument to identify the presence or absence of toxic levels of lead.

To read the inspection report, identify the area by way of building side. Letter A, B, C, or D identifies the location of each surface. These letters correspond to the side of the building on which the surface is situated. A is the front side of the building, B, C, and D then continue clockwise around the building.



Several columns make up the body of the report:

No.	The reading # of this individual report
Flr	Floor Level
Side	Side of Building
Room	Room Identifier
Strc	Structure: Component
Sub	Substrate
Feat	The area on the component
Cond.	Condition of the paint
Results	Positive – Negative or inconclusive
Pbc	Content reading of Lead based paint

The X-Ray Fluorescence Analyzer (XRF) is the most common and accepted means of field-testing for lead in paint. Atomic absorption spectrometry (AAS) is used for paint chip samples in the laboratory. XRF detects lead through gamma ray technology. It is designed to measure the total weight of lead in a measured area. The results are reported in milligrams per square centimeter (mg/cm^2). Most states have set a legal limit for lead in paint: Connecticut uses the 1.0-mg/cm^2 threshold.

Toxic Level Lead Paint Survey

The following areas were found to contain Lead-Based Paint:
See Positive Results and Lead Dust and Soil Laboratory Reports

Limitation and Uses of Inspection Data

This survey was limited to the building as specified above. This report makes no presentations about other materials located behind walls, under floors and materials associated with other structures located at that address, or found once demolition of components begins.

This report does not make any claims about the surfaces in the structure that are of the same type of material, but which were not themselves tested.

As a specific example of this limitation, if only one door casing in a room where there were three door casings, its results cannot be presumed to be applicable to other windows in that (or any other) room. If any assumptions are to be made from the results of this report, they would have to be made in favor of treating an area as if it were painted with lead-based paint as a "universal precaution".

Use of this Report:

This report **cannot** be used as a lead abatement or management plan. Rather it alerts lead abatement planners, lead abatement contractors, health officials, owners and tenants to all surfaces that must be treated with care or subjected to abatement or risk hazard reduction activities. The data

in this report could only become part of a lead abatement or management plan if it were to be augmented by;

1. assumptions that all non-tested areas were lead-based paint or,
2. with additional testing to determine each specific area, as it will be addressed in the lead abatement or management plan.

Regulatory Issues

The State of Connecticut has specific laws governing the detection and removal of Lead-Based Paint hazards found in residential units built before 1978 with a child under 6 residing in the dwelling. The laws are called The State of Connecticut Lead Poisoning Prevention and Control Regulations 19a111-1 through 19a 111-11.

Other Regulatory issues are:

29 CFR 1926.62, OSHA's Occupational Exposure to Lead, regulates lead activity.
40 CFR 745, EPA's Lead Requirements for Lead Based Paint Activities.
24 CFR 35 subpart B-R, The Lead Safe Housing Rule: Requirements for Notification, Evaluation and Reduction of Lead-Based Paint Hazards in Federally Owned Residential Property and Housing Receiving Federal Assistance

Penelope Craig

Inspector/Risk Assessor, CT. Cert #: 02104
Boston Lead Company, LLC Lic. #: 002105

Note: This inspection must be transferred with ownership of the property upon transfer of title.
The federal Residential Lead-Based Paint Hazard Reduction Act, 42 U.S.C. 4852d, requires sellers and landlords of most residential housing built before 1978 to disclose all available records and reports concerning lead-based paint and/or lead-based paint hazards, including the test results contained or referenced in this notice, to purchasers and tenants at the time of sale or lease or upon lease renewal. This disclosure must occur even if hazard reduction or abatement has been completed. Failure to disclose these test results is a violation of the U.S. Department of Housing and Urban Development and the U.S. Environmental Protection Agency regulations at 24 CFR Par 35 and 40 CFR Part 745 and can result in a fine of up to $11,000 per violation. To find out more information about your obligations under federal lead-based requirements, call 1-800-424-LEAD.

Additional Regulations as of April 22, 2010 (for all residential properties built before 1978 without Lead Abatement Orders issued by the Local Board of Health and/or any childcare center or school built before 1978): *Any work performed on the property that has not been tested and/or confirmed negative for lead-based paint must be carried out using Lead-safe work practices. All work must be performed by an EPA Certified Firm using an EPA Certified Renovator to perform the work and direct lead-safe work practices.*

Positive Reading Summary

The following pages are a summary of all positive readings determined during the inspection, on both interior and exterior surfaces. It should be assumed that any similar component in the same room or area is also positive for LBP.

Serial #XLp-23135
Joyce Morin, CT Lic. #: 002209
678 Migeon Avenue
Torrington, CT
6/15/2016
Ranges (NEG<INC<POS): Device PCS

Index	Time	Side	Room	Component	Substrate	Feature	Condition	Results	PbC
				Exterior					
322	12:49 PM	B	Exterior	Cellar Window	Wood	Casing	Defective	Positive	10.20
324	12:50 PM	B	Exterior	Cellar Window	Wood	Ext. Sash	Defective	Positive	1.70
325	12:51 PM	B	Exterior	Door	Wood	Threshold	Defective	Positive	5.00
327	12:52 PM	C	Exterior	Door	Wood	Casing	Defective	Positive	13.20
328	12:53 PM	C	Exterior	Door	Wood	Stop	Defective	Positive	13.20
329	12:53 PM	C	Exterior	Door	Wood	Door	Defective	Positive	5.10
331	12:54 PM	C	Exterior	Cellar Window	Wood	Casing	Defective	Positive	9.30
				Garage					
343	12:59 PM	B	Garage	Wall	Wood	Corner Board	Defective	Positive	1.70
344	12:59 PM	B	Garage	Wall	Wood	Wall	Defective	Positive	5.30
347	1:00 PM	C	Garage	Wall	Wood	Corner Board	Defective	Positive	10.00
348	1:00 PM	C	Garage	Wall	Wood	Corner Board	Defective	Positive	3.40
349	1:00 PM	C	Garage	Wall	Wood	Soffit	Defective	Positive	5.40
350	1:01 PM	C	Garage	Wall	Wood	Upper Trim	Defective	Positive	5.70
353	1:02 PM	C	Garage	Window	Wood	Casing	Defective	Positive	5.00
354	1:02 PM	C	Garage	Window	Wood	Stool	Defective	Positive	4.10
358	1:03 PM	D	Garage	Wall	Wood	Corner Board	Defective	Positive	5.80
				Room 1, Living Room					
369	1:32 PM	A	Room 1	Window	Wood	Ext. Sash	Defective	Positive	2.90
377	1:35 PM	A	Room 1	Door	Wood	Stop	Defective	Positive	7.50
379	1:35 PM	A	Room 1	Door	Wood	Door	Defective	Positive	1.70
381	1:36 PM	A	Room 1	Door	Wood	Threshold	Defective	Positive	4.40
				Room 2, Kitchen					
392	1:41 PM	B	Room 2	Door	Wood	Stop	Defective	Positive	10.50
393	1:41 PM	B	Room 2	Door	Wood	Door	Defective	Positive	2.10
				Room 3, Bath					
404	1:45 PM	B	Room 3	Window	Wood	Ext. Sash	Defective	Positive	9.00
				Room 4, Bedroom					
419	1:50 PM	B	Room 4	Window	Wood	Ext. Sash	Defective	Positive	1.80
				Room 6, Dining Room					
452	2:00 PM	D	Room 6	Window	Wood	Ext. Sash	Defective	Positive	6.40
				Room 7, Stairwell					
				All walls are Unpainted Paneling					
458	2:03 PM	A	Room 7	Door	Wood	Door	Defective	Positive	1.80

459	2:03 PM	A	Room 7	Door	Wood	Stop	Defective	Positive	8.80
				Room 8, Hall					
				All walls are Unpainted Paneling					
471	2:12 PM	A	Room 8	Door	Wood	Door	Defective	Positive	1.50
				Room 9, Enclosed Porch					
				Partially unfinished walls-vinyl siding & ceiling-no paint on windows sides ABD					
				Side C window XRF readings are in room 15					
486	2:17 PM	C	Room 9	Door	Wood	Threshold	Defective	Positive	2.80
				Room 10, Upstairs Kitchen					
496	2:21 PM	B	Room 10	Door	Wood	Jamb	Defective	Positive	4.60
497	2:21 PM	B	Room 10	Door	Wood	Stop	Defective	Positive	10.10
498	2:21 PM	B	Room 10	Door	Wood	Stop	Defective	Positive	9.80
500	2:22 PM	B	Room 10	Door	Wood	Door	Defective	Positive	1.30
502	2:22 PM	B	Room 10	Door	Wood	Door	Defective	Positive	6.30
503	2:22 PM	B	Room 10	Door	Wood	Door	Defective	Positive	5.70
				Room 12, Bedroom					
528	2:32 PM	D	Room 12	Wall	Wood	Baseboard	Defective	Positive	3.80
533	2:33 PM	B	Room 12	Window	Wood	Ext. Sash	Defective	Positive	4.30
537	2:33 PM	C	Room 12	Window	Wood	Ext. Sash	Defective	Positive	6.00
547	2:37 PM	A	Room 12	Ceiling	Wallboard	Ceiling	Defective	Positive	1.00
				Room 13, Bedroom					
558	2:41 PM	C	Room 13	Window	Wood	Ext. Sash	Defective	Positive	9.80
562	2:42 PM	C	Room 13	Window	Wood	Ext. Sash	Defective	Positive	8.20
573	2:44 PM	B	Room 13	Closet	Wood	Shelf	Defective	Positive	13.70
574	2:45 PM	B	Room 13	Ceiling	Wallboard	Ceiling	Defective	Positive	4.10
				Room 14, Bedroom					
590	2:50 PM	D	Room 14	Window	Wood	Ext. Sash	Defective	Positive	10.50
				Room 15, Bedroom					
600	2:53 PM	A	Room 15	Window	Wood	Ext. Sash	Defective	Positive	3.30
				Calibrate					
609	3:05 PM							Positive	1.10
610	3:06 PM							Positive	1.10
611	3:06 PM							Positive	1.10

Lead Inspection

Serial #XLp-23135
Joyce Morin, CT Lic. #: 002209
678 Migeon Avenue
Torrington, CT
6/15/2016
Ranges (NEG<INC<POS): Device PCS

Index	Time	Side	Room	Component	Substrate	Feature	Condition	Results	PbC
				Exterior					
318	12:47 PM	A	Exterior	Porch	Wood	Floor	Defective	Negative	0.05
319	12:48 PM	A	Exterior	Stair	Wood	Tread	Intact	Negative	0.01
320	12:48 PM	A	Exterior	Stair	Wood	Riser	Intact	Negative	0.00
321	12:48 PM	A	Exterior	Stair	Wood	Hand Rail	Intact	Negative	0.00
322	12:49 PM	B	Exterior	Cellar Window	Wood	Casing	Defective	Positive	10.20
323	12:49 PM	B	Exterior	Cellar Window	Wood	Stool	Defective	Negative	0.08
324	12:50 PM	B	Exterior	Cellar Window	Wood	Ext. Sash	Defective	Positive	1.70
325	12:51 PM	B	Exterior	Door	Wood	Threshold	Defective	Positive	5.00
326	12:52 PM	B	Exterior	Cellar Window	Wood	Stool	Defective	Negative	0.02
327	12:52 PM	C	Exterior	Door	Wood	Casing	Defective	Positive	13.20
328	12:53 PM	C	Exterior	Door	Wood	Stop	Defective	Positive	13.20
329	12:53 PM	C	Exterior	Door	Wood	Door	Defective	Positive	5.10
330	12:54 PM	C	Exterior	Cellar Window	Wood	Casing	Defective	Negative	0.07
331	12:54 PM	C	Exterior	Cellar Window	Wood	Casing	Defective	Positive	9.30
332	12:54 PM	C	Exterior	Cellar Window	Wood	Ext. Sash	Defective	Negative	0.04
333	12:55 PM	D	Exterior	Cellar Window	Wood	Ext. Sash	Defective	Negative	0.00
334	12:55 PM	D	Exterior	Cellar Window	Wood	Casing	Defective	Negative	0.05
335	12:56 PM	D	Exterior	Cellar Window	Wood	Stool	Defective	Negative	0.50
504	2:23 PM	B	Exterior	Wall	Wood	Wall	Defective	Negative	0.29
					Garage				
336	12:57 PM	A	Garage	Wall	Wood	Corner Board	Defective	Negative	0.24
337	12:57 PM	A	Garage	Wall	Wood	Wall	Defective	Negative	0.00
338	12:57 PM	A	Garage	Door	Wood	Casing	Defective	Negative	0.00

339	12:57 PM	A	Garage	Door	Wood	Casing	Defective	Negative	0.00
340	12:58 PM	A	Garage	Door	Wood	Casing	Defective	Negative	0.00
341	12:58 PM	A	Garage	Door	Wood	Stop	Defective	Negative	0.00
342	12:58 PM	A	Garage	Door	Wood	Door	Defective	Negative	0.01
343	12:59 PM	B	Garage	Wall	Wood	Corner Board	Defective	Positive	1.70
344	12:59 PM	B	Garage	Wall	Wood	Wall	Defective	Positive	5.30
345	12:59 PM	B	Garage	Window	Wood	Casing	Defective	Negative	0.09
346	1:00 PM	B	Garage	Window	Wood	Stool	Defective	Negative	0.30
347	1:00 PM	C	Garage	Wall	Wood	Corner Board	Defective	Positive	10.00
348	1:00 PM	C	Garage	Wall	Wood	Corner Board	Defective	Positive	3.40
349	1:00 PM	C	Garage	Wall	Wood	Soffit	Defective	Positive	5.40
350	1:01 PM	C	Garage	Wall	Wood	Upper Trim	Defective	Positive	5.70
351	1:01 PM	C	Garage	Window	Wood	Casing	Defective	Negative	0.30
352	1:01 PM	C	Garage	Window	Wood	Stool	Defective	Negative	0.26
353	1:02 PM	C	Garage	Window	Wood	Casing	Defective	Positive	5.00
354	1:02 PM	C	Garage	Window	Wood	Stool	Defective	Positive	4.10
355	1:02 PM	D	Garage	Wall	Wood	Wall	Defective	Negative	0.30
356	1:03 PM	D	Garage	Window	Wood	Casing	Defective	Negative	0.40
357	1:03 PM	D	Garage	Window	Wood	Stool	Defective	Negative	0.29
358	1:03 PM	D	Garage	Wall	Wood	Corner Board	Defective	Positive	5.80
				Room 1, Living Room					
359	1:29 PM	A	Room 1	Wall	Wallboard	Wall	Defective	Negative	0.00
360	1:29 PM	B	Room 1	Wall	Wallboard	Wall	Defective	Negative	0.00
361	1:29 PM	C	Room 1	Wall	Wallboard	Wall	Defective	Negative	0.00
362	1:30 PM	D	Room 1	Wall	Wallboard	Wall	Defective	Negative	0.00
363	1:30 PM	D	Room 1	Wall	Wood	Baseboard	Defective	Negative	0.07
364	1:31 PM	D	Room 1	Ceiling	Wallboard	Ceiling	Defective	Negative	0.01
365	1:31 PM	A	Room 1	Window	Wood	Casing	Defective	Negative	0.20
366	1:31 PM	A	Room 1	Window	Wood	Stool	Defective	Negative	0.03
367	1:32 PM	A	Room 1	Window	Wood	Stool	Defective	Negative	0.02
368	1:32 PM	A	Room 1	Window	Wood	Stop	Defective	Negative	0.12

369	1:32 PM	A	Room 1	Window	Wood	Ext. Sash	Defective	Positive	2.90
370	1:33 PM	D	Room 1	Window	Wood	Casing	Defective	Negative	0.05
371	1:33 PM	D	Room 1	Window	Wood	Stool	Defective	Negative	0.10
372	1:33 PM	D	Room 1	Window	Wood	Sash	Defective	Negative	0.09
373	1:34 PM	D	Room 1	Floor	Wood	Floor	Defective	Negative	0.04
374	1:34 PM	D	Room 1	Floor	Wood	Floor	Defective	Negative	0.02
375	1:34 PM	A	Room 1	Door	Wood	Casing	Defective	Negative	0.07
376	1:35 PM	A	Room 1	Door	Wood	Jamb	Defective	Negative	0.08
377	1:35 PM	A	Room 1	Door	Wood	Stop	Defective	Positive	7.50
378	1:35 PM	A	Room 1	Door	Wood	Door	Defective	Negative	0.07
379	1:35 PM	A	Room 1	Door	Wood	Door	Defective	Positive	1.70
380	1:36 PM	A	Room 1	Door	Wood	Threshold	Defective	Negative	0.14
381	1:36 PM	A	Room 1	Door	Wood	Threshold	Defective	Positive	4.40
					Room 2, Kitchen				
382	1:37 PM	A	Room 2	Wall	Wallboard		Defective	Negative	0.00
383	1:37 PM	B	Room 2	Wall	Wallboard		Defective	Negative	0.00
384	1:38 PM	C	Room 2	Wall	Wallboard		Defective	Negative	0.00
385	1:38 PM	D	Room 2	Wall	Wallboard		Defective	Negative	0.00
386	1:39 PM	D	Room 2	Wall	Metal	Pipe	Defective	Negative	0.18
387	1:40 PM	A	Room 2	Door	Metal	Casing	Defective	Negative	0.03
388	1:40 PM	A	Room 2	Door	Wood	Door	Defective	Negative	0.06
389	1:40 PM	B	Room 2	Wall	Wood	Baseboard	Defective	Negative	0.02
390	1:40 PM	B	Room 2	Floor	Wood	Floor	Defective	Negative	0.01
391	1:41 PM	B	Room 2	Door	Wood	Jamb	Defective	Negative	0.70
392	1:41 PM	B	Room 2	Door	Wood	Stop	Defective	Positive	10.50
393	1:41 PM	B	Room 2	Door	Wood	Door	Defective	Positive	2.10
394	1:42 PM	B	Room 2	Door	Wood	Door	Defective	Negative	0.00
395	1:42 PM	B	Room 2	Ceiling	Wallboard	Ceiling	Defective	Negative	0.00
					Room 3, Bath				
396	1:43 PM	A	Room 3	Wall	Paneling	Wall	Defective	Negative	0.00
397	1:43 PM	B	Room 3	Wall	Paneling	Wall	Defective	Negative	0.00

398	1:43 PM	C	Room 3	Wall	Paneling	Wall	Defective	Negative	0.00
399	1:44 PM	D	Room 3	Wall	Wallboard	Wall	Defective	Negative	0.00
400	1:44 PM	B	Room 3	Window	Wood	Casing	Defective	Negative	0.14
401	1:44 PM	B	Room 3	Window	Wood	Stool	Defective	Negative	0.22
402	1:45 PM	B	Room 3	Window	Wood	Stop	Defective	Negative	0.15
403	1:45 PM	B	Room 3	Window	Wood	Sash	Defective	Negative	0.04
404	1:45 PM	B	Room 3	Window	Wood	Ext. Sash	Defective	Positive	9.00
405	1:45 PM	D	Room 3	Door	Wood	Stop	Defective	Negative	0.18
406	1:46 PM	D	Room 3	Door	Wood	Stop	Defective	Negative	0.13
407	1:46 PM	D	Room 3	Ceiling	Wallboard	Ceiling	Defective	Negative	0.00
408	1:46 PM	D	Room 3	Floor	Wood	Floor	Defective	Negative	0.07
					Room 4, Bedroom				
409	1:47 PM	A	Room 4	Wall	Wallboard	Wall	Defective	Negative	0.06
410	1:47 PM	B	Room 4	Wall	Wallboard	Wall	Defective	Negative	0.27
411	1:48 PM	C	Room 4	Wall	Wallboard	Wall	Defective	Negative	0.04
412	1:48 PM	D	Room 4	Wall	Wallboard	Wall	Defective	Negative	0.02
413	1:48 PM	D	Room 4	Wall	Wood	Baseboard	Defective	Negative	0.02
414	1:49 PM	B	Room 4	Window	Wood	Casing	Defective	Negative	0.14
415	1:49 PM	B	Room 4	Window	Wood	Stool	Defective	Null	0.02
416	1:49 PM	B	Room 4	Window	Wood	Stool	Defective	Negative	0.04
417	1:49 PM	B	Room 4	Window	Wood	Stop	Defective	Negative	0.04
418	1:49 PM	B	Room 4	Window	Wood	Sash	Defective	Negative	0.15
419	1:50 PM	B	Room 4	Window	Wood	Ext. Sash	Defective	Positive	1.80
420	1:50 PM	A	Room 4	Door	Wood	Casing	Defective	Negative	0.04
421	1:50 PM	A	Room 4	Ceiling	Wallboard	Ceiling	Defective	Negative	0.07
					Room 5, Bedroom				
422	1:51 PM	A	Room 5	Wall	Wallboard	Wall	Intact	Negative	0.30
423	1:52 PM	B	Room 5	Wall	Wallboard	Wall	Defective	Negative	0.30
424	1:52 PM	C	Room 5	Wall	Wallboard	Wall	Defective	Negative	0.17
425	1:52 PM	D	Room 5	Wall	Wallboard	Wall	Defective	Negative	0.24
426	1:53 PM	D	Room 5	Wall	Wood	Baseboard	Defective	Negative	0.13

427	1:53 PM	D	Room 5	Wall	Wood	Baseboard	Defective	Negative	0.09
428	1:53 PM	C	Room 5	Window	Wood	Casing	Defective	Negative	0.13
429	1:53 PM	C	Room 5	Window	Wood	Stool	Defective	Negative	0.22
430	1:54 PM	C	Room 5	Window	Wood	Sash	Defective	Negative	0.16
431	1:54 PM	C	Room 5	Window	Wood	Stop	Defective	Negative	0.09
432	1:54 PM	D	Room 5	Window	Wood	Casing	Defective	Negative	0.23
433	1:54 PM	D	Room 5	Window	Wood	Stool	Defective	Negative	0.24
434	1:55 PM	D	Room 5	Window	Wood	Sash	Defective	Negative	0.12
435	1:55 PM	D	Room 5	Window	Wood	Ext. Sash	Defective	Negative	0.50
436	1:55 PM	B	Room 5	Door	Wood	Door	Defective	Negative	0.00
437	1:56 PM	B	Room 5	Door	Wood	Door	Defective	Negative	0.00
438	1:56 PM	B	Room 5	Door	Metal	Jamb	Defective	Negative	0.01
439	1:56 PM	B	Room 5	Door	Wood	Casing	Defective	Negative	0.22
440	1:57 PM	B	Room 5	Door	Wood	Door	Defective	Negative	0.07
441	1:57 PM	B	Room 5	Ceiling	Wallboard	Ceiling	Defective	Negative	0.40
442	1:57 PM	B	Room 5	Floor	Wood	Floor	Defective	Negative	0.08
				Room 6, Dining Room					
443	1:58 PM	A	Room 6	Wall	Wallboard	Wall	Defective	Negative	0.01
444	1:58 PM	B	Room 6	Wall	Wallboard	Wall	Defective	Negative	0.00
445	1:58 PM	C	Room 6	Wall	Wallboard	Wall	Defective	Negative	0.00
446	1:59 PM	D	Room 6	Wall	Wallboard	Wall	Defective	Negative	0.00
447	1:59 PM	D	Room 6	Wall	Wood	Baseboard	Defective	Negative	0.12
448	1:59 PM	D	Room 6	Window	Wood	Casing	Defective	Negative	0.07
449	2:00 PM	D	Room 6	Window	Wood	Stool	Defective	Negative	0.28
450	2:00 PM	D	Room 6	Window	Wood	Stop	Defective	Negative	0.12
451	2:00 PM	D	Room 6	Window	Wood	Sash	Defective	Negative	0.11
452	2:00 PM	D	Room 6	Window	Wood	Ext. Sash	Defective	Positive	6.40
453	2:00 PM	D	Room 6	Floor	Wood	Floor	Defective	Negative	0.08
454	2:01 PM	D	Room 6	Ceiling	Wallboard	Ceiling	Defective	Negative	0.08

Room 7, Stairwell

All walls are Unpainted Paneling

455	2:02 PM	A	Room 7	Door	Wood	Casing	Defective	Negative	0.11
456	2:03 PM	A	Room 7	Door	Wood	Jamb	Defective	Negative	0.12
457	2:03 PM	A	Room 7	Door	Wood	Door	Defective	Negative	0.10
458	2:03 PM	A	Room 7	Door	Wood	Door	Defective	Positive	1.80
459	2:03 PM	A	Room 7	Door	Wood	Stop	Defective	Positive	8.80
460	2:04 PM	B	Room 7	Window	Wood	Casing	Intact	Negative	0.05
461	2:04 PM	B	Room 7	Window	Wood	Stool	Intact	Negative	0.11
462	2:04 PM	B	Room 7	Window	Wood	Sash	Intact	Negative	0.06
463	2:05 PM	B	Room 7	Stair	Wood	Riser	Defective	Negative	0.08
464	2:05 PM	B	Room 7	Stair	Wood	Tread	Defective	Negative	0.13
465	2:05 PM	B	Room 7	Stair	Wood	Newel	Defective	Negative	0.11
466	2:06 PM	B	Room 7	Stair	Wood	Baluster	Defective	Negative	0.15
467	2:06 PM	B	Room 7	Stair	Wood	Baseboard	Defective	Negative	0.06
					Room 8, Hall				
					All walls are Unpainted Paneling				
468	2:12 PM	A	Room 8	Door	Wood	Casing	Defective	Negative	0.03
469	2:12 PM	A	Room 8	Door	Wood	Jamb	Defective	Negative	0.04
470	2:12 PM	A	Room 8	Door	Wood	Door	Defective	Negative	0.08
471	2:12 PM	A	Room 8	Door	Wood	Door	Defective	Positive	1.50
472	2:13 PM	C	Room 8	Door	Wood	Casing	Defective	Negative	0.07
473	2:13 PM	D	Room 8	Door	Wood	Casing	Defective	Negative	0.03
474	2:13 PM	A	Room 8	Door	Wood	Casing	Defective	Negative	0.05
475	2:13 PM	A	Room 8	Door	Wood	Casing	Defective	Negative	0.05
476	2:13 PM	A	Room 8	Door	Wood	Door	Defective	Negative	0.15
477	2:14 PM	D	Room 8	Door	Wood	Casing	Defective	Negative	0.06
478	2:14 PM	D	Room 8	Door	Wood	Door	Defective	Negative	0.20
479	2:14 PM	D	Room 8	Ceiling	Wallboard	Ceiling	Defective	Negative	0.05
480	2:14 PM	D	Room 8	Wall	Wood	Baseboard	Defective	Negative	0.04
481	2:14 PM	D	Room 8	Floor	Wood	Floor	Defective	Negative	0.00
482	2:15 PM	D	Room 8	Stair	Wood	Newel	Defective	Negative	0.06
483	2:15 PM	D	Room 8	Stair	Wood	Hand Rail	Defective	Negative	0.09

484	2:16 PM	D	Room 8	Stair	Wood	Baluster	Defective	Negative	0.13
				Room 9, Enclosed Porch					
				Partially unfinished walls-vinyl siding & ceiling-no paint on windows sides ABD					
				Side C window XRF readings are in room 15					
485	2:17 PM	A	Room 9	Floor	Wood	Floor	Defective	Negative	0.06
486	2:17 PM	C	Room 9	Door	Wood	Threshold	Defective	Positive	2.80
				Room 10, Upstairs Kitchen					
487	2:18 PM	A	Room 10	Wall	Wallboard	Wall	Defective	Negative	0.00
488	2:18 PM	B	Room 10	Wall	Wallboard	Wall	Defective	Negative	0.00
489	2:19 PM	C	Room 10	Wall	Wallboard	Wall	Defective	Negative	0.00
490	2:19 PM	D	Room 10	Wall	Wallboard	Wall	Defective	Negative	0.01
491	2:19 PM	B	Room 10	Window	Wallboard	Casing	Defective	Negative	0.09
492	2:20 PM	B	Room 10	Window	Wallboard	Stool	Defective	Negative	0.03
493	2:20 PM	B	Room 10	Window	Wallboard	Sash	Defective	Negative	0.12
494	2:20 PM	B	Room 10	Window	Wallboard	Ext. Sash	Defective	Negative	0.22
495	2:21 PM	B	Room 10	Door	Wood	Ext. Sash	Defective	Negative	0.00
496	2:21 PM	B	Room 10	Door	Wood	Jamb	Defective	Positive	4.60
497	2:21 PM	B	Room 10	Door	Wood	Stop	Defective	Positive	10.10
498	2:21 PM	B	Room 10	Door	Wood	Stop	Defective	Positive	9.80
499	2:21 PM	B	Room 10	Door	Wood	Door	Defective	Negative	0.03
500	2:22 PM	B	Room 10	Door	Wood	Door	Defective	Positive	1.30
501	2:22 PM	B	Room 10	Door	Wood	Door	Defective	Negative	0.40
502	2:22 PM	B	Room 10	Door	Wood	Door	Defective	Positive	6.30
503	2:22 PM	B	Room 10	Door	Wood	Door	Defective	Positive	5.70
505	2:24 PM	C	Room 10	Door	Wood	Jamb	Defective	Negative	0.08
506	2:24 PM	C	Room 10	Door	Wood	Door	Defective	Negative	0.01
507	2:25 PM	C	Room 10	Door	Wood	Door	Defective	Negative	0.12
				Room 11, Upstairs Bath					
508	2:26 PM	A	Room 11	Wall	Wallboard	Wall	Defective	Negative	0.00
509	2:26 PM	B	Room 11	Wall	Wallboard	Wall	Defective	Negative	0.01
510	2:26 PM	C	Room 11	Wall	Wallboard	Wall	Defective	Negative	0.00

511	2:27 PM	C	Room 11	Wall	Wallboard	Wall	Defective	Negative	0.00
512	2:27 PM	D	Room 11	Wall	Wood	Door	Defective	Negative	0.00
513	2:27 PM	B	Room 11	Window	Wood	Casing	Defective	Negative	0.15
514	2:28 PM	B	Room 11	Window	Wood	Stool	Defective	Negative	0.04
515	2:28 PM	B	Room 11	Window	Wood	Sash	Defective	Null	0.04
516	2:28 PM	B	Room 11	Window	Wood	Sash	Defective	Negative	0.03
517	2:28 PM	B	Room 11	Window	Wood	Ext. Sash	Defective	Negative	0.08
518	2:29 PM	B	Room 11	Ceiling	Wallboard	Ceiling	Defective	Negative	1.90
519	2:29 PM	D	Room 11	Door	Wood	Casing	Defective	Negative	0.40
520	2:30 PM	D	Room 11	Door	Wood	Jamb	Defective	Negative	0.07
521	2:30 PM	D	Room 11	Door	Wood	Door	Defective	Null	0.02
522	2:30 PM	D	Room 11	Door	Wood	Door	Defective	Negative	0.11
523	2:30 PM	D	Room 11	Door	Wood	Door	Defective	Negative	0.01
					Room 12, Bedroom				
524	2:31 PM	A	Room 12	Wall	Wallboard	Wall	Defective	Negative	0.00
525	2:31 PM	B	Room 12	Wall	Wallboard	Wall	Defective	Negative	0.00
526	2:31 PM	C	Room 12	Wall	Wallboard	Wall	Defective	Negative	0.00
527	2:31 PM	D	Room 12	Wall	Wallboard	Wall	Defective	Negative	0.00
528	2:32 PM	D	Room 12	Wall	Wood	Baseboard	Defective	Positive	3.80
529	2:32 PM	B	Room 12	Window	Wood	Casing	Defective	Negative	0.03
530	2:32 PM	B	Room 12	Window	Wood	Stool	Defective	Negative	0.05
531	2:32 PM	B	Room 12	Window	Wood	Stop	Defective	Negative	0.03
532	2:32 PM	B	Room 12	Window	Wood	Sash	Defective	Negative	0.02
533	2:33 PM	B	Room 12	Window	Wood	Ext. Sash	Defective	Positive	4.30
534	2:33 PM	C	Room 12	Window	Wood	Casing	Defective	Negative	0.14
535	2:33 PM	C	Room 12	Window	Wood	Stool	Defective	Negative	0.08
536	2:33 PM	C	Room 12	Window	Wood	Sash	Defective	Negative	0.06
537	2:33 PM	C	Room 12	Window	Wood	Ext. Sash	Defective	Positive	6.00
538	2:34 PM	A	Room 12	Door	Wood	Casing	Defective	Negative	0.08
539	2:34 PM	A	Room 12	Door	Wood	Casing	Defective	Negative	0.12
540	2:35 PM	A	Room 12	Door	Wood	Jamb	Defective	Negative	0.09

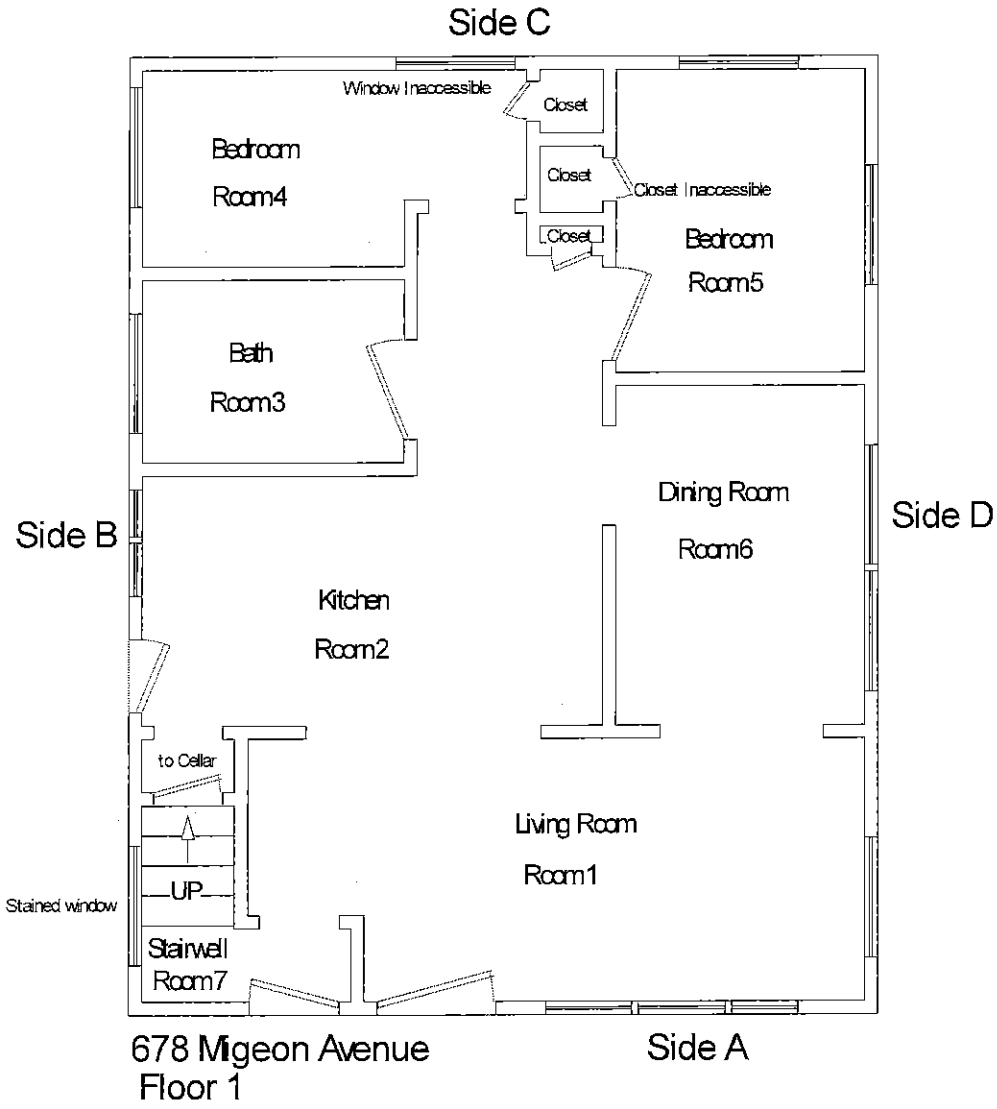
541	2:35 PM	A	Room 12	Door	Wood	Door	Defective	Negative	0.09
542	2:35 PM	A	Room 12	Door	Wood	Door	Defective	Negative	0.08
543	2:35 PM	A	Room 12	Closet	Wallboard	Wall	Defective	Negative	0.00
544	2:36 PM	A	Room 12	Closet	Wood	Sh. Supp.	Defective	Negative	0.05
545	2:36 PM	A	Room 12	Closet	Wood	Shelf	Defective	Null	0.00
546	2:36 PM	A	Room 12	Closet	Wood	Shelf	Defective	Negative	0.02
547	2:37 PM	A	Room 12	Ceiling	Wallboard	Ceiling	Defective	Positive	1.00
548	2:37 PM	A	Room 12	Floor	Wood	Floor	Defective	Negative	0.01
					Room 13, Bedroom				
549	2:38 PM	A	Room 13	Wall	Wallboard	Wall	Defective	Negative	0.00
550	2:38 PM	B	Room 13	Wall	Wallboard	Wall	Defective	Negative	0.00
551	2:38 PM	C	Room 13	Wall	Wallboard	Wall	Defective	Negative	0.00
552	2:39 PM	D	Room 13	Wall	Wallboard	Wall	Defective	Negative	0.00
553	2:39 PM	D	Room 13	Wall	Wood	Baseboard	Defective	Negative	0.09
554	2:39 PM	C	Room 13	Window	Wood	Casing	Defective	Negative	0.03
555	2:40 PM	C	Room 13	Window	Wood	Stool	Defective	Negative	0.04
556	2:40 PM	C	Room 13	Window	Wood	Stop	Defective	Negative	0.13
557	2:40 PM	C	Room 13	Window	Wood	Sash	Defective	Negative	0.05
558	2:41 PM	C	Room 13	Window	Wood	Ext. Sash	Defective	Positive	9.80
559	2:41 PM	C	Room 13	Window	Wood	Casing	Defective	Negative	0.11
560	2:41 PM	C	Room 13	Window	Wood	Stool	Defective	Negative	0.27
561	2:41 PM	C	Room 13	Window	Wood	Sash	Defective	Negative	0.01
562	2:42 PM	C	Room 13	Window	Wood	Ext. Sash	Defective	Positive	8.20
563	2:42 PM	B	Room 13	Door	Wood	Casing	Defective	Negative	0.16
564	2:42 PM	B	Room 13	Door	Wood	Jamb	Defective	Negative	0.20
565	2:43 PM	B	Room 13	Door	Wood	Door	Defective	Negative	0.11
566	2:43 PM	B	Room 13	Door	Wood	Door	Defective	Negative	0.02
567	2:43 PM	B	Room 13	Door	Wood	Casing	Defective	Negative	0.03
568	2:43 PM	B	Room 13	Door	Wood	Jamb	Defective	Negative	0.10
569	2:44 PM	B	Room 13	Door	Wood	Door	Defective	Negative	0.02
570	2:44 PM	B	Room 13	Door	Wood	Door	Defective	Negative	0.09

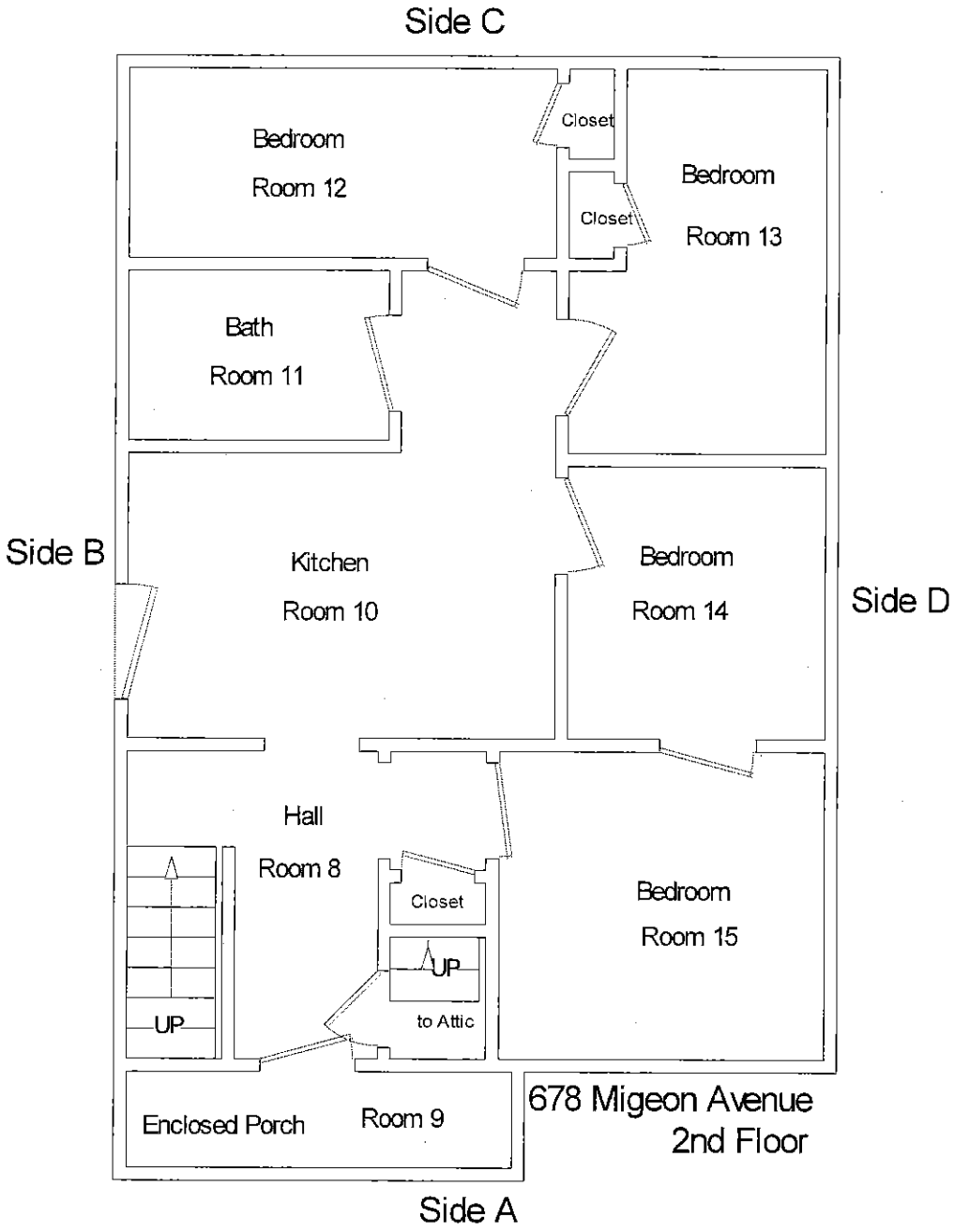
571	2:44 PM	B	Room 13	Closet	Wood	Casing	Defective	Negative	0.05
572	2:44 PM	B	Room 13	Closet	Wallboard	Wall	Defective	Negative	0.02
573	2:44 PM	B	Room 13	Closet	Wood	Shelf	Defective	Positive	13.70
574	2:45 PM	B	Room 13	Ceiling	Wallboard	Ceiling	Defective	Positive	4.10
					Room 14, Bedroom				
575	2:45 PM	A	Room 14	Wall	Wallboard	Wall	Defective	Negative	0.00
576	2:46 PM	B	Room 14	Wall	Wallboard	Wall	Defective	Negative	0.01
577	2:46 PM	C	Room 14	Wall	Wallboard	Wall	Defective	Negative	0.03
578	2:47 PM	D	Room 14	Wall	Wallboard	Wall	Defective	Negative	0.00
579	2:47 PM	D	Room 14	Wall	Wood	Baseboard	Defective	Negative	0.15
580	2:47 PM	B	Room 14	Door	Wood	Casing	Defective	Negative	0.17
581	2:47 PM	B	Room 14	Door	Wood	Jamb	Defective	Negative	0.04
582	2:48 PM	B	Room 14	Door	Wood	Door	Defective	Negative	0.01
583	2:48 PM	B	Room 14	Door	Wood	Door	Defective	Negative	0.00
584	2:48 PM	B	Room 14	Door	Wood	Threshold	Defective	Negative	0.14
585	2:49 PM	B	Room 14	Ceiling	Wallboard	Ceiling	Defective	Negative	0.04
586	2:49 PM	D	Room 14	Window	Wood	Casing	Defective	Negative	0.14
587	2:49 PM	D	Room 14	Window	Wood	Stool	Defective	Negative	0.10
588	2:50 PM	D	Room 14	Window	Wood	Stop	Defective	Negative	0.03
589	2:50 PM	D	Room 14	Window	Wood	Sash	Defective	Negative	0.16
590	2:50 PM	D	Room 14	Window	Wood	Ext. Sash	Defective	Positive	10.50
					Room 15, Bedroom				
591	2:51 PM	A	Room 15	Wall	Wallboard	Wall	Defective	Negative	0.01
592	2:51 PM	B	Room 15	Wall	Wallboard	Wall	Defective	Negative	0.00
593	2:51 PM	C	Room 15	Wall	Wallboard	Wall	Defective	Negative	0.00
594	2:52 PM	D	Room 15	Wall	Wallboard	Wall	Defective	Negative	0.00
595	2:52 PM	D	Room 15	Wall	Wood	Baseboard	Defective	Negative	0.04
596	2:52 PM	A	Room 15	Window	Wood	Casing	Defective	Negative	0.25
597	2:53 PM	A	Room 15	Window	Wood	Stool	Defective	Negative	0.11
598	2:53 PM	A	Room 15	Window	Wood	Stop	Defective	Negative	0.12
599	2:53 PM	A	Room 15	Window	Wood	Sash	Defective	Negative	0.25

600	2:53 PM	A	Room 15	Window	Wood	Ext. Sash	Defective	Positive	3.30
601	2:54 PM	D	Room 15	Window	Wood	Casing	Intact	Negative	0.28
602	2:54 PM	D	Room 15	Window	Wood	Stool	Intact	Negative	0.09
603	2:54 PM	D	Room 15	Window	Wood	Sash	Intact	Negative	0.05
604	2:55 PM	D	Room 15	Ceiling	Wallboard	Ceiling	Intact	Negative	0.03
605	2:56 PM	B	Room 15	Door	Wood	Casing	Defective	Negative	0.16
606	2:56 PM	B	Room 15	Door	Wood	Jamb	Defective	Negative	0.15
607	2:56 PM	B	Room 15	Door	Wood	Door	Defective	Negative	0.21
608	2:56 PM	B	Room 15	Door	Wood	Door	Defective	Negative	0.06
					Calibrate				
609	3:05 PM							Positive	1.10
610	3:06 PM							Positive	1.10
611	3:06 PM							Positive	1.10

Drawings

Not done to scale, for reference only


Side C
Window Inaccessible
Closet
Bedroom
Room4
Closet
Closet Inaccessible
Closet
Bedroom
Room5
Bath
Room3
Dining Room
Room6
Side B
Side D
Kitchen
Room2
to Cellar
Living Room
Room1
Stained window
UP
Stairwell
Room7
678 Migeon Avenue
Floor 1
Side A


Side C
Bedroom
Room 12
Closet
Closet
Bedroom
Room 13
Bath
Room 11
Side B
Kitchen
Room 10
Bedroom
Room 14
Side D
Hall
Room 8
Closet
UP
to Attic
UP
Bedroom
Room 15
Enclosed Porch
Room 9
678 Migeon Avenue
2nd Floor
Side A

Laboratory Results

Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Boston Lead Co (2262)
Address: 62 Washington St
Middletown, CT 06457

Order #: 173980

Matrix: Wipe
Received: 06/16/16
Analyzed: 06/18/16
Reported: 06/21/16

Project
Location: 678 Migeon Ave
Number:

PO Number: Torrington Bob

Sample ID / Parameter	Cust. Sample ID	Location / Method	Sample Date / Area	Total	Conc.	RL*
173980-001	1	Kitchen S	06/15/16			
Lead		EPA 7000B / 3050B	0.330 ft2	<10.0 µg/wipe	<30.3 µg/ft2	30.3 µg/ft2
173980-002	2	Kitchen F	06/15/16			
Lead		EPA 7000B / 3050B	1.00 ft2	<10.0 µg/wipe	<10.0 µg/ft2	10.0 µg/ft2
173980-003	3	DR S	06/15/16			
Lead		EPA 7000B / 3050B	0.330 ft2	46.8 µg/wipe	142 µg/ft2	30.3 µg/ft2
173980-004	4	DR F	06/15/16			
Lead		EPA 7000B / 3050B	1.00 ft2	23.7 µg/wipe	23.7 µg/ft2	10.0 µg/ft2
173980-005	5	Blank	06/15/16			
Lead		EPA 7000B / 3050B		<10.0 µg/wipe		10.0 µg/wipe
173980-006	6	Rm 16 S	06/15/16			
Lead		EPA 7000B / 3050B	0.330 ft2	69.9 µg/wipe	212 µg/ft2	30.3 µg/ft2
173980-007	7	Rm 16 F	06/15/16			
Lead		EPA 7000B / 3050B	1.00 ft2	<10.0 µg/wipe	<10.0 µg/ft2	10.0 µg/ft2
173980-008	8	Rm 15 S	06/15/16			
Lead		EPA 7000B / 3050B	0.330 ft2	41.0 µg/wipe	124 µg/ft2	30.3 µg/ft2
173980-009	9	Rm 15 F	06/15/16			
Lead		EPA 7000B / 3050B	1.00 ft2	<10.0 µg/wipe	<10.0 µg/ft2	10.0 µg/ft2
173980-010	10	Stair F	06/15/16			
Lead		EPA 7000B / 3050B	1.00 ft2	75.6 µg/wipe	75.6 µg/ft2	10.0 µg/ft2

Analyst HI
173980-06/21/16 10:19 AM

Abisola O Kasali
Reviewed By: Abisola Kasali
Metals Supervisor

Report Amended. Samples 6-10 missing areas supplied by customer, added and results calculated

Minimum Total Reporting Limit: 10.0 µg/wipe. EPA Clearance Std: 40 µg/ft² for floors, 250 µg/ft² for interior window sills, and 400 µg/ft² for window troughs. All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "M" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. The test results reported relate only to the samples submitted.

NEW

SCHNEIDER LABORATORIES GLOBAL, INC.

2512 West Cary Street, Richmond, Virginia 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475
www.slabinc.com e-mail: info@slabinc.com

WO Label

Submitting Co.	Boston Lead Co, LLC	Lab WO#		Phone	860-347-7277
62 Washington Street, Suite 2		Acct #	2262	Fax	860-347-8288
Middletown, CT 06457		State of Collection	CT	E-Mail	envirotrain@aol.com
Project Name:		Special instructions (include requests for special reporting or data packages)			
Project Location:	678 Migeon Ave	Email Results with Address in Subject Line			
Project Number:					
PO Number:	Torrington - Bob				

Turn Around Time
- ☐ 2 hours*
- ☐ Same day*
- ☐ 1 business day*
- ☐ 2 business day*
- ☐ 3 business days*
- ☐ 5 business days*
- ☐ Full TCLP (15d)
- ☐ Weekend*

* not available for all tests. Schedule rush organics, multi-metals & weekend tests in advance.

Matrix / Sample Type (Select ONE)

All samples on form should be of SAME matrix type. Use additional forms as needed.

- ☐ Air ☐ Solid
- ☐ Aqueous ☐ Waste
- ☐ Bulk ☐ Wastewater
- ☐ Hi-Vol Filter (PM10) ☐ Water, Drinking
- ☐ Hi-Vol Filter (TSP) ☐ Compliance
- ☐ Oil ☒ Wipe
- ☐ Paint ☐ Wipe, Composite
- ☐ Sludge ☐ ____
- ☐ Soil ☐ ____

Tests / Analytes (Select ALL that Apply)

Asbestos Air / Fiber Counts
- ☐ PCM (NIOSH 7400)
- ☐ TEM (AHERA)
- ☐ TEM (EPA Level II)
- ☐ ____

Miscellaneous Tests
- ☐ Total Dust (NIOSH 0500)
- ☐ Resp. Dust (NIOSH 0600)
- ☐ Silica - FTIR (NIOSH 7602)
- ☐ Silica - XRD (NIOSH 7500)
- ☐ ____

Asbestos Bulk / Asb ID
- ☐ PLM (EPA 600/R-93/116)
- ☐ PLM (EPA Point Count)
- ☐ PLM (Qualitative only)
- ☐ NYELAP 198.1/.4/.6
- ☐ CAELAP (EPA Interim)
- ☐ TEM (Chatfield)
- ☐ ____

FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED ____

Metals, Total Conc.
- ☐ Lead
- ☐ RCRA Metals
- ☐ ____
- ☐ ____

Metals Extract
- ☐ TCLP / Lead
- ☐ TCLP / RCRA Metals
- ☐ TCLP / Full (w/ organics)

Others
- ☐ ____

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft²)	Type¹ A,B,P,E	Time² Start	Time² Stop	Flow Rate³ Start	Flow Rate³ Stop	Total⁴ Air
1	6/15		Kitchen S	.33						
2			F	1						
3			D/R S	.33						
4			F	1						
5			Blank							
6			Rm 16 S	.33						
7			F	1						
8			Rm 15 S	.33						
9			F	1						
10			Stair F	1						

¹Type: A=area B=blank P=personal E=excursion ²Beginning/End of Sample Period ³Pump Calibration in Liters/Minute ⁴Volume in Liters (Rate in min * flow in L/min)

Sampled by
NAME Joyce Morin
SIGNATURE Joyce Morin
DATE/TIME 6/15/10

Relinquished to lab by
NAME ____
SIGNATURE ____
DATE/TIME ____

Sample Disposal
- ☐ Return to Sender (shipping fees)
- ☐ Disposal by lab (no fee)

Shipping Methods
- ☐ FX ☐ UPS ☐ USM
- ☐ HD ☐ DB
- WB: ____

☐ Sample return requested ☐ Ambient temp ☐ Ice °C pH Cl ☐R ☐S ☐X ☐ Receive a physical copy of report.

Chain-of-Custody documentation continued internally within lab. Terms and conditions page 2.

Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Boston Lead Co (2262)
Address: 62 Washington St
Middletown, CT 06457

Attn:
Project:
Location: 678 Migeon Ave
Number:

Order #: 173979

Matrix: Soil
Received: 06/15/16
Analyzed: 06/15/16
Reported: 06/20/16

PO Number: Torrington Bob

Sample ID / Parameter	Cust. Sample ID	Location / Method	Sample Date	Weight / Total µg	% / Wt.	Conc.	RL*
173979-001	1	Side A	06/15/16	510 mg			
Lead		EPA 7000B / 3050B		85.2 µg	0.0167 %	167 mg/kg	19.6 mg/kg
173979-002	2	Side B	06/15/16	515 mg			
Lead		EPA 7000B / 3050B		108 µg	0.0210 %	210 mg/kg	19.4 mg/kg

Analyst: HI
173979-06/20/16 09:46 AM

Abisola O Kasali

Reviewed By: Abisola Kasali
Metals Supervisor

Minimum reporting limit: 10.0 µg. EPA Soil Std for bare residential soil: 400 mg/kg by wt in play areas; 1200 mg/kg by wt in bare soil in the remainder of the yard based on an avg of all other samples collected. EPA does not distinguish between lead-contaminated soil and soil-lead hazards. Concentration and *Reporting Limit (RL) based on weights provided by client. All internal QC parameters were met. Unusual sample conditions, if any, are described. Values are reported to three significant figures. PPM = mg/kg | PPB = µg/kg. The test results reported relate only to the samples submitted.

SCHNEIDER LABORATORIES GLOBAL, INC.

2512 West Cary Street, Richmond, Virginia 23220-5117
804-353-6778 · 800-785-LABS (5227) · Fax 804-359-1475
www.slabinc.com e-mail: info@slabinc.com

Phone: 860-347-7277

Project Location: 678 Migeon Ave

PO Number: Torrington - Bath

Special Instructions: Email Results with Address in Subject Line

Sample #	Date Sampled	Time Sampled	Sample Identification	Wipe Area	Type	Time Start	Time Stop	Flow Rate Start	Flow Rate Stop	Total Air
1	6/15		Side A 2'							
2			Side B 6'							

Sampled by: Joyce Mario

TW 11:44 6-19-16

Appendix III: Lead-Based Paint Hazard Control Summary of Work

Scope of Work:
This scope of work is based on the Lead Hazard Risk Assessment done by Boston Lead Company, LLC; it is up to the contractor to ensure that all replacement of components is completed as required by the Torrington Building and Fire Codes.

Summary of Lead Determination/EPA Risk Assessment – Scope of Work to be determined
Thomas and Marjorie Clayton
678 Migeon Avenue
Torrington, CT 06790
Lead Paint Determination only

Lead Violations that require action:

All activities have the potential to create a high volume of lead-contaminated dust, so extra care must be taken by the contractor to limit and contain the dust generated.

Exterior: 678 Migeon Avenue, Torrington CT

1. **Exterior Work Area Preparation** - The following procedures will be employed for all exterior surface preparation and window replacement:

1.1. All doors and windows on the side of the unit where work is being conducted, from the height they are working and lower, shall be covered with six (6) mil polyethylene sheeting, fastened securely on all edges to the jambs, sill, and header continuously with duct tape to effectively seal the fenestration against the penetration of dust and paint chips.

1.2. One (1) layer of polyethylene sheeting will be laid on ground.

1.3. Polyethylene sheeting shall be secured to foundation by means of mechanical fasteners and/or adhesives.

1.4. At no time will polyethylene sheeting be allowed to be attached to siding, corner boards, etc., if these items are scheduled for work.

1.5. Polyethylene sheeting shall extend from the building a minimum distance of ten (10) feet. If property boundary is 10' or closer, the contractor must erect vertical containment or equivalent extra precautions.

1.6. Half-inch (1/2") plywood shall be placed on top polyethylene sheeting at areas where removal/demolition will take place to prevent possible puncture of polyethylene sheeting.

1.7. Polyethylene sheeting shall be secured at perimeters by means of stakes or weights.

1.8. Precautions will be taken to ensure bushes, ground cover, shrubbery, etc. are not damaged by being covered (i.e., canvas may be put over plants to prevent overheating and stakes used to prevent crushing).

1.9. Barrier tape shall be erected at the perimeter of the work area.

1.10. The area contained within the barrier tape shall be considered the active work area.

1.11. No work shall be performed when wind conditions allows the dispersal of paint dust and chips beyond the active work area.

2. Exterior: 678 Migeon Avenue, Torrington CT Abatement:

2.1. **Exterior Entry Door Components: Positive – F/I & Defective**

- Door to Unit 1 Living Room 1st Fl Side A – Exterior Side of Door, Threshold and Stop
- Door to Common Area Stair 1st Fl Side A – Remove completely patch in siding– see rehab scope of work
- Door to Kitchen 1st Fl Side B – Door, Jamb and Stop
- Door to Kitchen 2nd Fl Side B – Door, Jamb and Stop
- Door from Stair to Enclosed Porch 2nd Fl Side A – Remove and replace with window – see rehab scope of work.
- Barn Door Side C 1st Floor - Exterior Side of door, casing and stop.

2.1.1. **(Abatement)** Strip/Plane/Adjust and rehang:

2.1.1.1. – Remove door, strip (plane, mechanically or chemically) jamb, edge and strike side of door and threshold – all stripped areas must be tested with XRF analyzer and results must be below 1.0 mg/cm². Paint stripped surfaces and Liquid all other defective painted areas of door and exterior door casings.

2.1.2. **Alternate: (Abatement)** Remove and replace door components with new pre-hung doors

2.2. **Exterior Wood Windows: Positive – F/I & Defective**

- **Double Hung wood windows – include garage windows**

2.2.1. **(Abatement)** Remove and replace with vinyl inserts – rewrap window trim with aluminum if necessary. – See rehab scope of work

2.3. **Exterior Wood Windows – Positive – Defective**

- Single Permanently Closed Sashes – Side B & D

2.3.1. **(Abatement)** Liquid Encapsulate

2.4. **Exterior Basement Windows – Positive, Defective & F/I**

- **Cellar Window Sash – Side B**

2.4.1. **(Abatement)** Remove and replace with vinyl inserts – see rehab scope of work

2.5. **Exterior Wood Trim – Positive – Defective**

- Cellar Window Casing – Side B, C
- Door Casings and Stops – also addressed with Exterior Doors

2.5.1. **(Abatement)** – Liquid Encapsulate

2.6. **Exterior Wood Garage Walls & Trim – Positive – Defective**

- Walls – Side B
- Corner Boards - All
- Window Trim - All
- Door Trim - All
- Soffits and Upper Trim - All

2.6.1. **(Abatement)** – Liquid Encapsulate

3. Exterior Cleanup -

3.1. All visible debris will be cleaned up at the end of each workday. Prior to final removal, all protective ground covering including plywood and poly will be cleaned with HEPA-equipped vacuums at the end of the job.
3.2. Any visible paint chips remaining on the ground will be HEPA vacuumed up after the work is completed.

Interior- 678 Migeon Avenue, Torrington CT

4. Interior Work Area Preparation –

4.1. All occupants' possessions shall be moved away from the work area so that workers have clear access.
4.2. All belongings will be moved to the center of the room or to a non-abatement area. All belongings and non-movable furniture or items must be covered with 6-mil poly.
4.3. Build mini-containments around windows to be removed and replaced.
4.4. Critical doorways leading to Common Area.
4.5. Tape 6-mil plastic over all heating registers and returns.
4.6. The Contractor shall ensure that all heating, ventilating, and air-conditioning equipment that is located in, runs through, or services the work area or adjacent areas that the Contractor occupies have been shut down and cannot accidentally startup during the work period.

5. **Interior: 678 Migeon Avenue, Torrington CT** Abatement:

5.1. **Stairway Floor:** Dust Hazard – Specialized Cleaning

Room 12 and Room 13

5.2. **Interior Wood Trim and Ceilings: Positive & Defective**

- Room 12 Baseboard
- Room 13 Closet Shelf
- Room 12 & 13 Ceilings

5.2.1. **(Abatement)** – Liquid Encapsulate

6. Interior Cleanup

6.1. All surfaces including floors, walls, headers, casing and baseboards shall be cleaned with HEPA-equipped vacuums.
6.2. Wash all surfaces with a solution of TSP or a lead-specific detergent. Change solution at least once per room area.
6.3. Rinse all surfaces with clean water changing water frequently.
6.4. Repeat Step A.
6.5. Carefully fold the upper layer of polyethylene sheeting onto itself then bundle and bag in proper containers (extra care must be taken to insure that when tape is pulled away from walls or baseboards no damage occurs to the underlying surfaces.)
6.6. Repeat steps A through D.

6.7. Upon approval of the lead risk assessor/inspector, the bottom layer of plastic may be left down until all fixtures are reinstalled and painting is completed. This provision is subject to a wipe test being passed, using standard clearance procedures. Final cleanup will then consist of re-cleaning the single layer of plastic in accordance with B through E followed by the same procedure after the plastic is removed. This process is to be done by the lead hazard reduction contractor.

6.8. Carpets are to be cleaned by HEPA vacuum, using not less than three passes at a rate of one (1) square yard per minute. The contractor or supervisor must report any breach of containment during the work that exposed the carpet.

7. Waste Disposal (if less than 10 yds^3 and with the authorization of the owner, waste may discarded by the owner)

7.1. The Contractor must comply fully with all current Federal EPA and state regulations concerning the handling, hauling and disposal of all waste generated during this project.

7.2. The Contractor shall submit samples of representative wastes for Toxicity Characteristic Leaching Procedures (TCLP Method 1311) to determine classification. Based on these results, the Contractor will be required to dispose of the lead-based paint material accordingly.

7.3. Place all solid waste and debris in 55 gal drums.

7.4. Wrap large pieces of debris that won't fit in bags with two (2) layers six (6) mil polyethylene sheeting, seal and wipe exterior surfaces.

7.5. The results of TCLP testing shall be submitted to **Torrington** representatives before the removal of waste from the site.

8. Handling Hazardous Waste

8.1. The Contractor must obtain an EPA Identification number if the waste is deemed to be hazardous.

8.2. The Contractor must follow requirements for type of waste containers used and labeling of waste for transport to disposal site.

8.3. The Contractor must use a licensed hazardous waste transporter to haul waste to a hazardous waste facility.

8.4. The Contractor must follow all record-keeping, chain of custody and reporting requirements including:

8.5. Copy of the hazardous waste manifest

8.6. Keep records and make reports to EPA as required under The Resource Conservation and Recovery Act (RCRA)

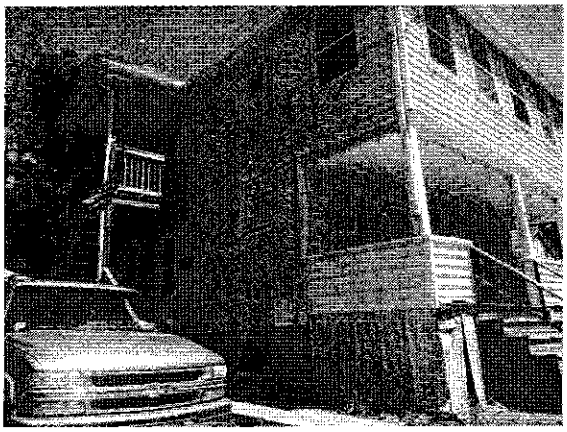
8.7. The Contractor shall provide the Owner and the Town of **Torrington** with copies of all manifests; dump slips, testing results, etc., within five (5) days of their receipt of such paperwork.

8.8. Final payment shall not be made to the Contractor until copies of any testing results and manifests are received by the Town of **Torrington** and the Owner.

8.9. The preparation transportation and disposal of waste material containing lead shall conform to all appropriate EPA and State regulations. This includes the RCRA, and the State of Connecticut Department of Environmental Protection hazardous waste regulations.

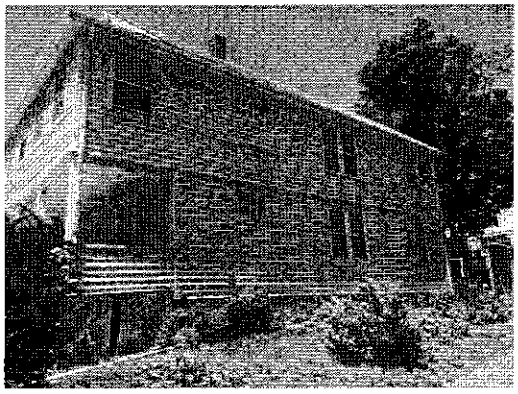
Appendix IV: Drawings and Pictures

Side A

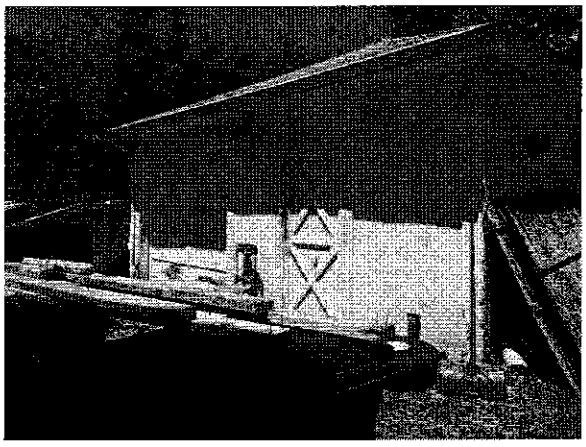


Side B

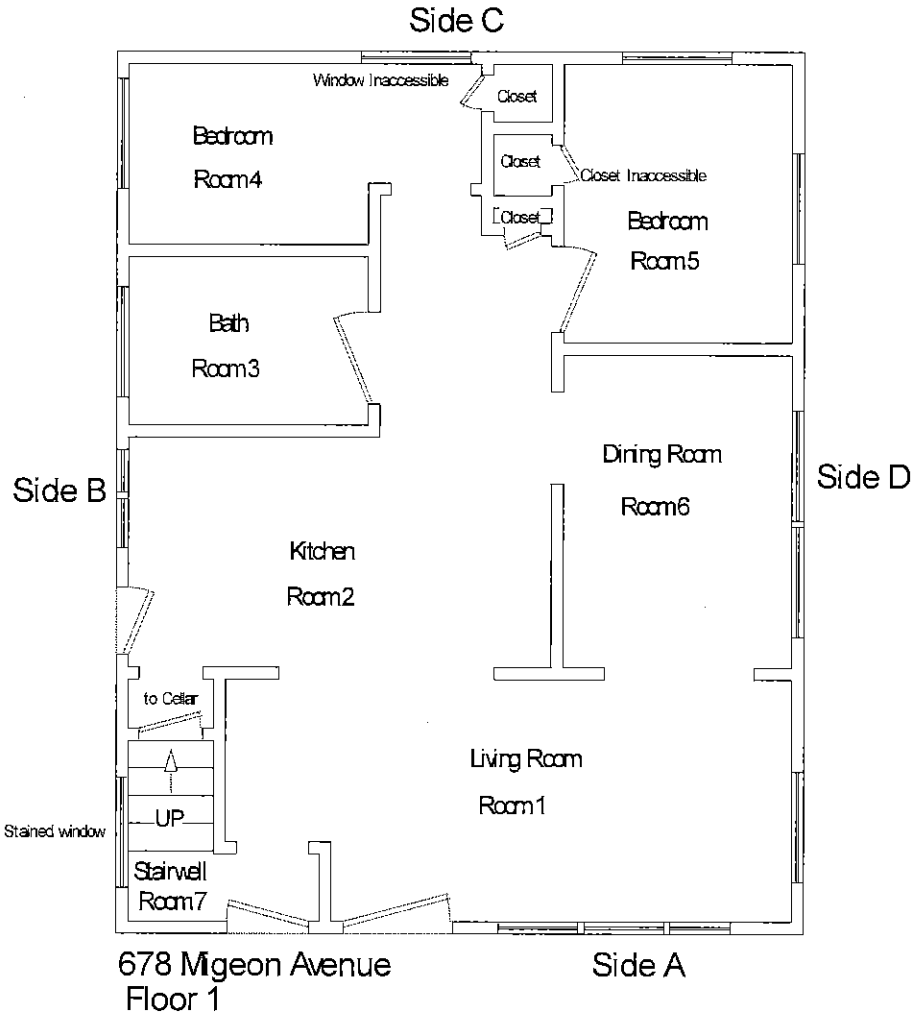
Side C

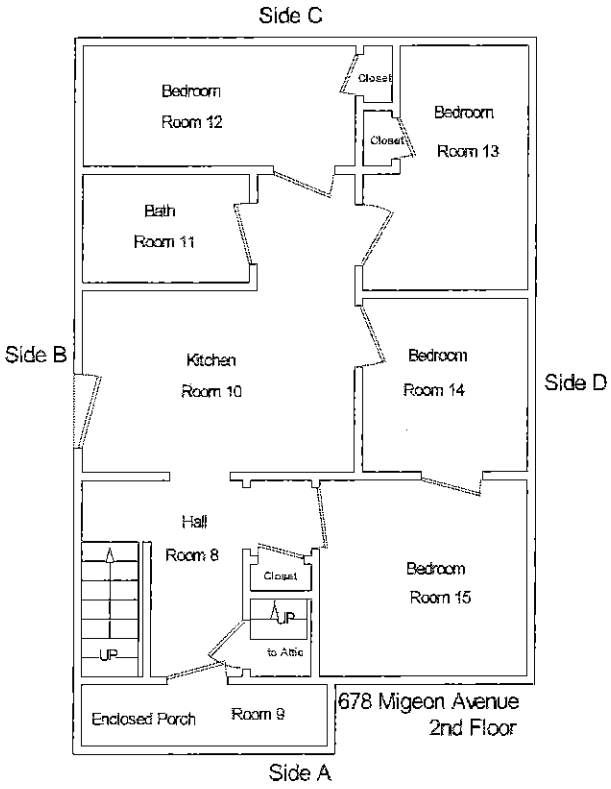


Side D



Garage


Side C
Window Inaccessible
Closet
Bedroom
Room4
Closet
Closet Inaccessible
Closet
Bedroom
Room5
Bath
Room3
Side B
Dining Room
Room6
Side D
Kitchen
Room2
to Cellar
Living Room
Room1
Stained window
UP
Stairwell
Room7
678 Migeon Avenue
Floor 1
Side A


Side C
Bedroom
Room 12
Closet
Bedroom
Room 13
Closet
Bath
Room 11
Side B
Kitchen
Room 10
Bedroom
Room 14
Side D
Hall
Room 8
Closet
Bedroom
Room 15
UP
UP
to Attic
Enclosed Porch
Room 9
678 Migeon Avenue
2nd Floor
Side A

Appendix V: Definitions – a brief glossary

Abatement: A measure or set of measures designed to permanently eliminate lead-based paint hazards or lead-based paint. Abatement strategies include the removal of lead-based paint, enclosure, encapsulation, replacement of building components coated with lead-based paint, removal of lead-contaminated dust, and removal of lead-contaminated soil or overlaying of soil with a durable covering such as asphalt (grass and sod are considered interim control measures). All of these strategies require preparation; cleanup; waste disposal; post-abatement clearance testing; recordkeeping; and, if applicable, monitoring. (For full EPA definition, see 40 CFR 745.223).

Accessible surface: Any surface which i s below five (5) feet in height or is exposed in such a way that a child can come in contact with the surface.

Bare soil: Soil not covered with grass, sod, some other similar vegetation, or paving, including the sand in sandboxes.

Chewable surface: An interior or exterior surface painted with lead-based paint that a young child can mouth or chew. A chewable surface is the same as an "accessible surface" as defined in 42 U.S.C. 4851b(2). Hard metal substrates and other materials that cannot be dented by the bite of a young child are not considered chewable.

> **State of CT:** Chewable surface means any projection one half (0.50) inch or greater from an interior or exterior surface up to five (5) feet in height that can be mouthed by a child. The chewable surface includes window sills, door frames, stair rails and stairs, two (2) inches back from any edge, and any other exterior and interior surface that may be readily chewed by children. Baseboards with an exposed horizontal edge may have quarter round molding applied to the top so that only vertical edges forming outside corners, if present, constitute a chewable surface.

Child: A person under the age of six (6)

Common Area: A room or area that is accessible to all tenants in a building (e.g. hallway, boiler room).

Containment: A process for protecting workers, residents, and the environment by controlling exposures to lead dust and debris created during abatement.

Deteriorated paint: Any paint coating on a damaged or deteriorated surface or fixture, or any interior or exterior lead-based paint that is peeling, chipping, blistering, flaking, worn, chalking, alligatoring, cracking, or otherwise becoming separated from the substrate.

Drip Line/Foundation Area: The area within 3 feet out from the building wall and surrounding the perimeter of a building.

Dust-Lead Hazard: Surface dust in residences that contains an area or mass concentration of lead equal to or in excess of the standard established by the EPA under Title IV of the Toxic Substances

Control Act. EPA standards for dust-lead hazards, which are based on wipe samples, are published at 40 CFR 745.65(b); as of the publication of this edition of these *Guidelines*, these are 40 µg/ft2 on floors and 250 µg/ft2 on interior windowsills. Also called lead-contaminated dust.

Friction surface: Any interior or exterior surface, such as a window or stair tread, subject to abrasion or friction.

Garden area: An area where plants are cultivated for human consumption or for decorative purposes.

Impact Surface: An interior or exterior surface (such as surfaces on doors) subject to damage by repeated impact or contact.

Intact Surface: A defect -free surface with no loose, peeling, chipping or flaking paint. Painted surfaces must be free from crumbling, cracking or falling plaster and must not have holes in them. Intact surfaces must not be damaged in any way such that a child can get paint from the damaged area.

Interim controls: A set of measures designed to temporarily reduce human exposure or possible exposure to lead-based paint hazards. Such measures include, but are not limited to, specialized cleaning, repairs, maintenance, painting, temporary containment, and the establishment and operation of management and resident education programs. Monitoring, conducted by owners, and reevaluations, conducted by professionals, are integral elements of interim control. Interim controls include dust removal; paint film stabilization; treatment of friction and impact surfaces; installation of soil coverings, such as grass or sod; and land use controls. Interim controls that disturb painted surfaces are renovation activities under EPA's Renovation, Repair and Painting Rule.

Lead-based paint: Any paint, varnish, shellac, or other coating that contains lead equal to or greater than 1.0 mg/cm2 as measured by XRF or laboratory analysis, or 0.5 percent by weight (5000 mg/g, 5000 ppm, or 5000 mg/kg) as measured by laboratory analysis. (Local definitions may vary.) Lead-based paint hazard: A condition in which exposure to lead from lead-contaminated dust, lead-contaminated soil, or deteriorated lead-based paint would have an adverse effect on human health (as established by the EPA at 40 CFR 745.65, under Title IV of the Toxic Substances Control Act). Lead-based paint hazards include, for example, **paint-lead hazards, dust-lead hazards, and soil-lead hazards.**

Paint-lead hazard: Lead-based paint on a friction surface that is subject to abrasion and where a dust-lead hazard is present on the nearest horizontal surface underneath the friction surface (e.g., the window sill, or floor); damaged or otherwise deteriorated lead-based paint on an impact surface that is caused by impact from a related building component; a chewable lead-based painted surface on which there is evidence of teeth marks; or any other deteriorated lead-based paint in any residential building or child-occupied facility or on the exterior of any residential building or child-occupied facility.

Play area: An area of frequent soil contact by children of under age 6 as indicated by, but not limited to, such factors including the following: the presence of outdoor play equipment (e.g., sandboxes,

swing sets, and sliding boards), toys, or other children's possessions, observations of play patterns, or information provided by parents, residents, care givers, or property owners.

Soil-lead hazard: Bare soil on residential property that contains lead in excess of the standard established by the EPA under Title IV of the Toxic Substances Control Act. EPA standards for soil-lead hazards, published at 40 CFR 745.65(c), as of the publication of this edition of these Guidelines, is 400 µg/g in play areas and 1,200 µg/g in the rest of the yard. Also called lead-contaminated soil.

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General Construction Notes

1. The Contractor shall perform the work to accommodate to the greatest extent reasonable the normal use of the premises by the Owner during the construction period.

2. It is the Owners intention to proceed with the dwelling occupied during the entire construction project. Coordinate with the Owner in all construction operations to minimize conflict, and to facilitate the Owner usage of the dwelling, parking, and access to the building. Working hours are Monday – Saturday 7:30 AM – 5:00 PM unless otherwise agreed to by the Owner.

3. The Contractor shall maintain containment within the work area when performing lead based paint reduction activities as required, until such time as clearance is received.

4. The Contractor shall coordinate any and all short-term interruptions or shutdowns with the Owner prior to commencing.

5. The Contractor shall take every precaution to ensure the safety of the occupant(s) during all phases of construction. The Contractor shall to the greatest extent reasonable maintain a least one exit for access. Coordinate restrictions and closures with Owner.

6. The Contractor shall be responsible for protecting the dwelling and contents from weather and or physical damage during construction.

7. The Contractor shall be responsible for any damage caused to the building and or contents caused by lack of said protection to the dwelling or contents until completion of the contract at no additional cost to the Owner.

8. The Contactor will be responsible for the movement of the owner's furnishings as required to facilitate the proposed work The Owner is responsible for the movement and safe keeping of valuable personal items and kick-knacks.

9. The Contractor shall assume full responsibility for the protection and safekeeping of his materials and products under this Contract stored on the site. The Contractor shall move any stored products under the Contractor's control which interfere with operations of the Owner.

10. Plants, shrubs, and lawn areas are to be protected from damage and debris. Repair and/ or replacement of all damage to existing landscaping shall be done at no additional cost to the Owner.

Project Meetings

1. The selected Contractor shall attend a contract signing and pre-construction meeting as scheduled by the Owner and Project Manager.

2. The selected Contractor shall attend periodic job meetings during the course of construction, on site, as required.

Product and Execution

1. Workers shall be experienced and skillful in performing the work assigned to them.

2. Contractor shall verify critical dimensions, operations and functions in the field before ordering or fabricating items which must fit adjoining construction. The Contractor shall verify all existing conditions and dimensions prior to the work. Any and all discrepancies shall be reported to the Owner and Project Manager prior to ordering any materials or performing the work.

3 The Contractor shall follow manufacturer's instructions for assembly, installation and product adjustment. In the event of conflicting specifications the specifications of the manufacturer shall prevail.

4. The Contractor shall notify the Owner and Project Manager, within 24 hours of discovery, in the event unforeseen circumstances. If the work is deemed additional or extra by the Project Manager then a change order will be negotiated, executed and authorized by the Contractor, Owner and Project Manager prior to the commencement of the work. Any work performed prior to the execution of a change order may not be considered for payment.

5. The specifications do not attempt to detail every task and procedure required to perform the work in full. The Contractor shall perform the work as required to complete the work in a professional manner using customary trade practices and standard work practices.

Removal of Debris and Site Maintenance

1 The contractor shall include in their bid the cost of trash containers and the removal and lawful disposal of said debris off site as required.

2. The Contractor shall coordinate with the Owner for the placement of trash containers if necessary prior to the start of demolition.

3. The Contractor shall be responsible for the daily clean up and maintenance of the site. All debris, construction materials, scrap, rubbish etc. shall be placed in a trash container or dumpster on a daily basis. Sidewalks, driveways and pedestrian ways shall be clean and free of debris at the end of each day.

4. The Owner shall not place anything in the dumpster without prior approval from the Contractor.

Material Delivery, Storage and Handling

1. The Contractor shall determine and comply with manufacturer's recommendation on product handling, storage installation and protection.

2. Products shall be delivered to the job site in their manufacturers' original containers, with labels intact and legible. Do not deliver materials to job site until they can be properly protected.

3. Maintain packaged materials with seals unbroken and labels intact until time of use.

4. The Owner and or Project Manager may reject materials and products which do not bear identification satisfactory to the Owner or Project Manager

Submittals

The following list of submittals is for the convenience of all parties concerned it is not necessarily a complete list of all submittals required.

1. Submit the following before the start of work:
    a. Copy of building permit.
    b. Material submittals.
    c. Construction schedule.

2. Submittals before Certificate of Completion and final payment.
    a. Acceptance of work from local Building Official.
    b. All warranty and guarantee information.
    c. Signed and notarized lien waivers from first tier subcontractors and suppliers.
    d. TCLP and lead clearance test results if required.
    e. Certificate of Occupancy or acceptance of work from local Building Official.
    f. All warranty and guarantee information
    g. Signed and notarized lien waivers from first tier subcontractors and suppliers.

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Warranties and Guarantees

1. The Contractor shall issue the Owner a written Notice of Guarantee after the date of receipt of Certificate of Completion. Submit to the Owner on letterhead in the following form:
   Name of Project and date
   I/We, (FIRM NAME), hereby warrant, and guarantee workmanship on labor for the renovations performed at _____, CT as per contract signed on _____ for a period of ONE (1) YEAR from the date of the Certificate of Completion.

   Signed
   Dated

ROOFING

GENERAL

1. Work in this section shall be governed by the Contract Documents. Contractor shall provide all materials, labor, equipment and services necessary, to perform and complete the work specified herein and or as required by job conditions.

INTENT

1. The intent of the proposed work is to remove and dispose of all roofing materials from the house and porch roofs.

2. Provide and install 30 year rated, architectural, strip type shingles including but not limited to metal rake and drip edging, ice & water shield, shingle underlayment, plumbing boots, and flashings.

   Note: No ridge vent is being installed.

REFERENCES

1. ASTM D 224 - Standard Specifications for Smooth Surfaces Asphalt Roll Roofing

2. ASTM D226 - Standard Specifications for Asphalt Saturated Organic Felt used in Roofing & Waterproofing

3. ASTM D 3018 - Standard Specification for Class A Shingles Surfaced with Mineral Granules.

4. ASTM 3161 - Standard Test Method for Wind Resistance of Asphalt Shingles (Fan Induced Method)

5. ASTM 3462 - Standard Specification for Asphalt Shingles Made from Glass felt and Surfaced with Mineral Granules.

6. ASTM 4586 - Standard Specification for Asphalt Roof Cement, Asbestos Free

7. ASTM D4869 - Standard Specification for Asphalt – Saturated Organic Felt Shingle Underlayment used in roofing.

8. ASTM D 6757 - Standard Specifications for Inorganic Underlayment for Use with Steep Slope Roofing

9. ASTM E 108 - Standard Test Methods for Fire Tests of Roof Coverings.

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MATERIALS

1. Rake & Drip Edge – White aluminum rake & drip. Drip edge shall be 5" wide.

2. Underlayment - . GAF "Shingle Mate" or approved equal for strip type shingles and GAF "Roof Pro" for SBS roofing application. Underlayment shall conform to ASTM - D226, Type 1 or ASTM D4869 type 1.

3. Leak Barrier - GAF "Weather Watch" mineral surfaced leak barrier or approved equal. Material shall conform to the requirements of ASTM D 1970. Thickness to be min. 40 mils. Tensile strength MD (lbf/in) minimum 25.

4. Starter Strip Shingles shall be Pro Start eave and rake starter strip as manufactured by GAF or approved equal.

5. Laminated fiberglass – shall be GAF Timberline HD Shingles or approved equal. Shingles shall carry Underwriter's Laboratories labels, UL® 790 Class A Fire Resistance, UL® 997, Wind Resistance and ASTM D3462. Shingles shall be Class A, strip type, self-sealing

6. Hip and ridge shingles shall be Seal – A – Ridge, ridge cap shingles as manufactured by GAF or approved equal

7. Fasteners - Aluminum or galvanized sharp pointed conventional roofing nails with smooth shanks, minimum 3/8" diameter head and of sufficient length to penetrate ¾" into solid decking or penetrate through plywood sheathing. Provide 6 nails per full shingle. Staples are not acceptable.

8. Roof boots/ Flashing Vents - EPDM rubber-aluminum boots.

9. Flashing cement - trowel grade non asbestos mineral- fibered roofing mastic ASTM D-2822 Type 1 and ASTM D-4586 Type 1, equivalent to Karnak.

10. Step and roll flashing - Aluminum 0.040" thick, color mill finish.

11. Chimney flashing – step and counter flashing, lead flashing.

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SHINGLE REMOVAL

1. Remove and legally dispose of existing roofing materials such as but not limited to, roof boots, roof vents, plumbing boots, flashing materials, rake and drip edge, felt paper and fasteners from roof.

2. Contractor shall remove only as much material as can be replaced in a single work day. Contractor shall be responsible for any water damage to the structure and to Owners' property as a result of inadequate protection.

3. Removal work shall be done in a manner and by such means as is necessary to protect the buildings from damage; to cause minimum interruption to activities; to avoid hazard or injury to persons or property during the entire construction project.

4. Inspect roof sheathing, if after shingle removal decking surfaces are determined to be inappropriate for installation of new roofing, Contractor shall notify the Owner & Consultant of any decking which requires replacement.

Unit Price #1: Remove existing damaged or rotted decking and install new ½" plywood or ¾" decking. Provide APA exterior exposure plywood. Include all required labor and materials in cost per 4' X 8' sheet. Do not include in base bid

$ _____ / ½" - 4 x 8 sheet $ _____ / ¾" - 4 x 8 sheet

PREPARATION OF ROOF DECK

1. The contractor shall inspect the entire area to be roofed and verify it is clean and free of debris, nails, or any other item which may cause interference with the installation of the new roofing materials.

2. Install a minimum of two (2) courses of ice & water shield along all eaves extending a minimum of 24" beyond heated wall. Install full coverage ice & water barrier on any roof with less than a 4"/12" pitch.

3. Install full sheet of ice & water barrier centered in valleys allowing for 18" overlap onto either roof deck. Overlap minimum of 6" at head laps.

4. Install (18") eighteen inch wide strip of ice & water barrier along the rakes. Overlap and seal joints a minimum of 6".

5. Install a minimum of 18" x 18" piece of ice & water shield around any roof penetrations such as vent, hoods, plumbing stacks etc.

6. Install new metal rake and drip edge on all rakes and eaves. Fasten new metal edging every 8" on center using approved fasteners.

Note: The contractor is to provide the project manager with digital photos of the leak barrier installation. Photos shall be taken in a manner that identifies the property where installation is being performed. Failure to obtain photo inspection will result in removal of material to verify existence of leak barrier to the satisfaction of the project manager. Written verification from the Building Official documenting that the leak barrier is installed will also be accepted.

7. Install roofing underlayment over all roof decks to receive new roofing. Lap each course a minimum of 6" over lower course, and side lapping 4" at all joints.

8. Install underlayment on remaining areas of roof upon completion of installing ice & water barrier.

SHINGLE ROOFING

1. Install roofing as follows:

2. Install starter course along eaves per manufacturer's written instructions.

3. Install shingles per manufacturer's written instructions. Apply six nails per full shingle. Fasten shingles at or below nailing line. Maintain six inch (6") clearance from butt end of proceeding course with any fasteners. Install shingles to meet wind zone requirements per the local building code.

4. Contractor shall provide one additional unbroken bundle of shingles identical to those installed for the Owners usage in the event of future need.

VALLEY

1. Valleys shall be constructed using a closed cut style installation. Install shingles as per shingle manufacturer's written instructions. Install shingles on smaller area of roof and extend a minimum of 24" beyond center of valley. Contractor shall not nail within the valley. Over lay shingles from larger area of roof over new valley shingles and cut to form straight line centered in valley.

ROOF BOOTS

1. Replace existing roof boots and install EPDM rubber-aluminum roof boots on all plumbing vents as existing. Boot shall have soft rubber gasket.

FLASHING

1. Provide and install aluminum 5" x 7" step flashing as required at gable walls. Contractor may re-use existing flashing to greatest extent possible.

CHIMNEY FLASHING

1. Remove and dispose of existing step flashing at all chimneys.

2. Provide and install new lead step flashing as required for water tight installation.

Cost: $ _____

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WINDOWS

GENERAL

The Contractor shall provide all labor, material, equipment, and tools necessary to remove existing windows and install new vinyl replacement windows as follows. Contractor will be responsible for verifying all measurements and ordering new windows and all related materials.

INTENT

1. The intent of the proposed work is to remove and dispose of the existing windows through-out the house and in the basement.

2. Provide and install new replacement widows.

MANUFACTURERS

1. Harvey Building Products Waltham, MA 1-800-598-5400 www.harveyind.com or approved equal.

2. Mercury Excelum East Windsor, CT 1-800-292-1802 www.mercuryexcelum.com or approved equal.

QUALITY ASSURANCE

1. Manufacturer Qualifications: Minimum ten (10) years producing vinyl (PVC) windows.

2. Source Limitations: Obtain window units from one manufacturer through a single source.

3. Provide window units independently tested and found to be in compliance with ANSI/AAMA/NWWDA 101/I.S.2-97 and current A440-05 performance standards listed above.

4. Specified fenestration with the following characteristics;
   a. U-Factor: Less than or equal to 0.30
   b. Solar Heat Gain Coefficient: Less than or equal to 0.5

5. Code Compliance: Provide windows that are labeled in compliance with the jurisdiction having authority over the project.

6. Energy Star Rated- windows shall carry Energy Star Rating.

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VINYL REPLACEMENT WINDOW FEATURES

1. Provide and install replacement windows as specified below.

2. Replacement windows shall be as specified regarding size, shape, operation and features.

3. Window frames shall be nominal 0.070 inch (1.8mm) thick polyvinyl chloride (PVC) with miter cut and fusion welded corners. Contoured sash design shall be a nominal 0.070 inch (1.7mm) thickness with fusion welded corners. Color: White.

4. Glazing: Low E, 5/8 inch (22mm) nominal thickness, insulated glass units are silicone glazed with an exterior glazing bead.

5. Sash Balances: Block and tackle, complying with AAMA-902. Balance cords shall be anchored to locking terminal housings when the sash is tilted in.

6. Weather Stripping: In compliance with AAMA 701.2.

7. Screens: Half screen, with extruded aluminum frame and 18 x 16 charcoal finished fiberglass mesh screening.

8. Grill work: No grills to be include in replacement window configuration.

INSTALLATION

Provide and install vinyl double-hung replacement windows through-out the house.

1. Provide and install hopper style windows throughout the basement.

2. Replacement windows shall match those removed as to size, function, style, excluding the grid configuration. Contractor shall verify all measurements in the field.

3. Remove dispose of storm windows as applicable.

4. Replace any rotted or damaged window sills, frames and brick mold before installing aluminum cladding.

5. Remove and save interior window stops. Any stops broken during removal will be replaced at no additional cost. If no stops presently exist, provide and install stops equal to Brosco 1288.

6. Remove and dispose of upper and lower sash, sash balances, weights, cords, etc., as applicable. Upon removal of weights, contractor will fill weight cavities with spun fiberglass insulation.

7. Install replacement window, shim level and square as necessary and fasten with screws provided by manufacturer.

8. Insulate between wooden window jambs and vinyl replacement window using spray foam insulation.

9. Re-install stops and fasten with appropriately sized finish nails. Set heads below surface and fill with wood filler. Caulk around remaining window stops and along sill using Phenoseal silicone caulk or approved equal.

10. Cover any exposed exterior blind stops, sills and casings with pre-finished aluminum coil stock. Fasten coil stock with pre-finished aluminum nails.

BASEMENT WINDOWS

1. Provide and install hopper type replacement windows in existing openings throughout basement.

2. Replacement windows shall have white solid vinyl frames, equal to Mercury Excelum or Harvey.

3. Windows are to be equipped with double-pane insulating glass.

4. Install windows to manufacturer's specs.

5. Cover exterior blind stops, sills and casings with pre-finished aluminum coil stock, if applicable. Fasten coil stock with pre-finished aluminum nails.

Cost $_____

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DOORS

GENERAL

1. Work in this section shall be governed by the Contract Documents. Contractor shall provide all materials, labor, equipment and services necessary, to perform and complete the work specified herein and or as required by job conditions.

INTENT

1. The intent of the proposed work is to remove and dispose of the existing doors and install new doors as specified below.

Door Schedule

Location	*Type*	*Size*	*Swing*	*Lockset*	*Hardware*
A - Side First Floor House Entry Storm	2/3 height self-storing	Match Original	VIF	Push button	As supplied by manufacturer
B - Side First Floor House Entry Storm	2/3 height self-storing	Match Original	VIF	Push button	As supplied by manufacturer
B - Side Second Floor House Entry Storm	2/3 height self-storing	Match Original	VIF	Push button	As supplied by manufacturer

STORM DOORS MANUFACTURER

1. Gerkin Storm Door Model 902, as manufactured by Gerkin Doors & Windows, Sioux City, IA, 1-800-475-5061 with Dakota painted pull handle. Color - White

2. Tuff Core Series Model 133, as manufactured by Mercury Excellum Inc., 215 South Main Street, East Windsor, CT 06086 1-860-292-1800. Color - White

STORM DOOR INSTALLATION

1. Remove and dispose of existing doors.

2. Door shall be measured to fit existing opening. Swing to match existing. Door shall be installed plumb and square so as to fit tightly, operate freely and latch securely.

3. New door shall be equipped with external expander with soffit vinyl sweep at bottom. All hardware such as push button latch, pneumatic door closer and hurricane chain are required. Glazings to be in accordance with State and Local regulations.

Cost: $ _____

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CARPENTRY

GENERAL: This specification includes all labor, materials, taxes and permits required to perform the carpentry work described below. All work must conform to applicable building codes. Coordinate with the work of other trades specified elsewhere.

INTENT

The intent of the proposed work is to:

1. Demo the entire lower level of the front porch, including 4 - existing columns that are supporting the second floor porch. Demo the second floor porch walls; the second floor deck is to remain. Rebuild the lower level of the front porch including new cement piers, support posts, framing, decking, stairs, rails, lattice, etc. Install new posts and railings for the second floor porch.

2. Remove and frame in the front house, first floor, left entry door.

PORCH REBUILDING

1. Temporarily support the second floor porch. Remove and dispose of all first floor porch components including decking, stairs, railings, columns, framing, trim, etc. Remove the first floor porch vinyl ceiling material and save for reinstallation. Remove and dispose of the second floor porch walls and windows. Salvage all of the existing porch vinyl siding, to be used for the front house entry door and porch repairs, and store any excess per owner's direction.

2. Level the entire second floor deck (1/4" per 4' pitch) and add one pressure treated joist centered between each existing bay, match existing joist dimensions, run a continuous bead of construction adhesive between the new joists and bottom of the porch deck. Install appropriate joist hanger at both ends of each floor joist. Install appropriate hanger for center beam, if applicable. Reinstall the vinyl ceiling after BI framing approval.

3. Install code compliant piers and posts as needed for support beams and one pier for each rail post at base of stairs for new first floor porch. Excavate for piers to 42" below grade. Form and pour with 3000 psi concrete minimum. The piers are to be a minimum of 12" in diameter, extending 8" above ground level.

4. Frame new first floor porch landing with the lumber specified below. Securely fasten new landing framing to existing house framing to code specs.

5. Supply and install galvanized joist hangars of the proper size. Fasten to ledger board and box joist with galvanized joist hangar nails or Simpson brand structural screws. Install 4 x 4 PT posts with post bases and fasteners equal to Simpson ABU44. Anchor to concrete piers with ½" galvanized anchor bolts.

6. Frame new 5' wide stairs with the lumber specified below. Stringers are to be 16" on center to support composite treads. Anchor 4x4 posts to concrete piers with post bases equal to Simpson ABU44. Stair treads shall have a minimum depth of 11 inches and a riser height of between 7 and 7 ½ inches. Provide nosing of between ¾" and 1 ¼" at all treads. Close in all risers with composite material. Center the stairs with front entry door.

7. Install 5/4" x 6" radius edge composite decking. Fasten with stainless steel screws.

8. Install 2" x 4" pressure treated framing members beneath porch to accept new lattice skirting. Framing members shall be 24" on center with corner posts and top and bottom plate. Install white vinyl lattice panels around perimeter of front porch. Fasten with stainless steel fasteners. Install 1" x 6" composition board such as AZEK or approved equal at top, bottom, and outside corners of skirting.

9. Install guard rail system along open sides of stairway and both landings with materials listed below. Guards to be a minimum of 36" in height at landing and 34" in height measured vertically from the nosing of the treads. Use code compliant vinyl top and bottom rails and 2x2 balusters spaced no more than 4" apart (AZEK brand or equal). Install code compliant first and second floor support posts with materials listed below.

10. Install circular PVC graspable handrail on one side of stairs. Handrail to measure between 1 ¼ and 2" in diameter. Return handrail to post at top and bottom of run. Maintain a minimum of 1 ½" spacing between handrail and balusters.

11. Install new front house vinyl corners, matching other existing corners. Blend in vinyl siding with salvaged siding; adjust seams to achieve proper finish. Wrap any disturbed areas with coil stock aluminum as needed. Add new white aluminum lower leaders and elbows to the existing front house corner leaders as needed.

Note: All deck dimensions, railing heights, tread dimensions, etc. are to be code compliant, and is the general contractor's responsibility. Verify all aspects of proposed work with the Cities Building Official before constructing.

Thomas Clayton
678 Migeon Avenue
Torrington CT 06790
Project # 143-425

Materials:

Floor joists	PT - 16" O.C. - Code compliant - size adjusted for span
Stair Stringers	2x12 PT - 16" on center
Stair Treads	5/4 x 6 Composite - 2 per tread
Risers	1x8 Composite - Ripped to fit
Deck Apron	1x Composite - Per joist size
Stair and deck rail posts	4x4 PT - Vinyl post covers
Stair and deck rails and balusters	Rails & ballusters - Vinyl - AZEK brand or equal
Decking	5/4 x 6 Composite - AZEK brand or equal
Columns	6x6 PT Vinyl post covers - top and bottom Colonial trim
Lattice	Vinyl - Privacy square 1 ¾" opening

Note: All trim, railings, balusters, railing cap, columns, etc., are to be vinyl/composite material, AZEK brand or equal.

Alternate price:

Deduction for installation of pressure treated material in place of vinyl/composite material for all components listed above. Do not include in the cost summary.

Alternate Minus Cost: $ -

FRONT HOUSE ENTRY DOOR REMOVAL

1. Remove and dispose of the front house, first floor, left entry door, including jambs, trim, etc. as to prep for framing in and finishing interior and exterior walls.

2. Frame in opening with Douglas fir framing lumber (16" on center), match existing material dimensions.

3. Install ½" CDX plywood exterior sheathing as to prep for vinyl siding installation. Install the vinyl siding salvaged from the porch demo. Match existing house insulation backer board.

4. Install spun fiberglass, Kraft faced, batt or roll type insulation, full depth of each bay.

5. Install ½" sheet rock at interior wall, three coat tape as to prep for painting. Owner will paint.

6. Patch in baseboard trim matching original, cut back to nearest wall framing for nailing. Owner will paint.

Cost: $ _____

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ELECTRICAL

GENERAL

1. Work in this section shall be governed by the Contract Documents. Contractor shall provide all material, labor, equipment, permits, taxes and fees necessary, as required to perform and complete the work specified herein and or as required by job conditions.

2. All materials shall be UL listed. All new fixtures shall be Energy Star rated.

3. Any cutting and patching necessary to complete the work described below will be the responsibility of the Contractor.

4. The use of surface mounted wire mold is prohibited unless specifically noted.

SMOKE & C.O. DETECTORS

1. Provide and install First Alert brand (or equal) wireless, battery powered, interconnected, smoke detectors in each bedroom. Provide and install First Alert brand (or equal) wireless, battery powered, interconnected, smoke/CO detectors on each level of house.

Note: The smoke/CO detectors are to be installed first before any other work is addressed in the contract.

Cost: $ _____

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ASPHALT PAVING

GENERAL: This specification includes all labor, materials, taxes and permits required to perform the work described below. All work must comply with applicable building code. Coordinate with the work of other trades specified elsewhere.

INTENT

The intent of the proposed work is to:

1. Install new asphalt driveway and side walk as listed below.

GRADING AND EXCAVATION

1. Remove existing asphalt from the entire driveway. Remove and dispose of the existing cement side walk leading from the front porch to the side porch and cement stairs. Remove appropriate amount of soil to accommodate new base and dispose of old base.

2. Regrade existing base and remove any rocks, grass or any unsuitable base material from surface. Install additional base to accommodate level difference between sidewalk and driveway. The new sidewalk is to be 42" wide running from the new front entry stairs (full width) to the front of the side entry stairs (full width). The sidewalk can be stepped if needed for level difference adjustment.

3. Install clean fill in removed stair area creating gradual grade to road frontage and driveway. Strip existing grass and soil to a 4" depth, from the front edge of the new front porch to the full width of the yard road frontage. Install 4" of top soil and perennial, red fescue grass seed, starter fertilizer, and straw. Advise owner of proper care. Contractor will not be responsible for grass seed germination.

BASE INSTALLATION

1. Grade in 4"-6" of 3/4" processed base material as needed and compact.

2. Apply SS-1 Tack Coat Emulsion to areas where new asphalt is to be flush, such as where new driveway meets the road.

SURFACE INSTALLATION

1. Install 3" of asphalt and compact to 2-1/2" with a 5 ton roller. Asphalt should meet concrete edges flush to allow proper water drainage in front of garage. Asphalt surface should be free of roll lines, tamping marks, low spots and debris.

Cost: $ _____

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PAINTING

GENERAL: This specification includes all labor, material, insurance, taxes, permits and fees required to perform the work described below. Coordinate with the work of other trades specified elsewhere. The Contractor shall adhere strictly to the provisions of the ALead-Based Paint Poisoning Prevention Act. Specifically, the Contractor will not utilize lead-based paint as a finish or undercoat or any other use in or out of residential dwellings and shall comply with all provisions of Public Law 91-695 (42 U.S.C. 4831) ALead Based Paint Poisoning Act.

INTENT

The intent of the proposed work is to:

1. Address all lead hazards listed in the enclosed lead report.

2. The owner will be responsible for all non-lead related painting and finishing.

GENERAL PAINTING REQUIREMENTS

1. All new materials to be painted shall be primed with materials as recommended by the manufacturer of the finish paint.

2. On all surfaces to be painted, any necessary sanding, scraping, cleaning, priming, puttying or other surface preparation is required.

3. All painting must be performed in accordance with manufacturer's instructions. All painting is to be performed in two (2) coats.

4. Contractor shall use Benjamin Moore, California Paint or Sherwin Williams paint or approved equal.

5. Colors to be selected by Owner from manufacturer's standard color chart. Paint sheen (gloss, semi-gloss, eggshell, flat, etc.) to be owner's choice.

6. All items not requiring painting are to be completely protected from over-spray, drips, or any other damage during the course of this work.

7. Upon completion, all work must be free from runs, drips, sags, variations in color or gloss or any other defect.

Cost: $ _____

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Torrington CT 06790
Project # 143-425

COST SUMMARY

ROOFING	$ _____
WINDOWS	$ _____
DOORS	$ _____
CARPENTRY	$ _____
ELECTRICAL	$ _____
ASPHALT PAVING	$ _____
PAINTING (LEAD PAINT HAZARD REDUCTION)	$ _____
TOTAL	$ _____

PROPERTY OWNER VERIFICATION

I, the undersigned Owner(s) acknowledge that I have fully read and understand the attached project specifications. I understand this to be the scope of work and the extent of the renovations to be performed at the property location shown below.

678 Migeon Avenue
Torrington CT 06790
Project #: 143-425

I understand that any revisions to these specifications changing the scope of work can be made only for unforeseen circumstances. This is for my protection and for providing a clear understanding to the contractor who will provide a quote for the proposed work.

DATE: 8-12-16 OWNER: _____
Thomas Clayton

Small, Minority, Women-Owned Business Concern Representation

The bidder represents and certifies as part of its bid/ offer, that it –

(a) ☐ Is, ☐ Is not a small business concern. "Small business concern," as used in this provision, means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding, and qualified as a small business under the criteria and size standards in 13 CFR 121.

(b) ☐ Is, ☐ Is not a women-owned business. "Women-owned business enterprise," as used in this provision, means a business that is at least 51 percent owned by a woman or women who are U.S. citizens and who also control and operate the business.

(c) ☐ Is, ☐ Is not a minority business enterprise. "Minority business enterprise," as used in this provision, means a business which is at least 51 percent owned or controlled by one or more minority group members or, in the case of a publicly owned business, at least 51 percent of its voting stock is owned by one or more minority group members, and whose management and daily operations are controlled by one or more such individuals. For the purpose of this definition, minority group members are:

(Check the block applicable to you)

☐ Black Americans	☐ Asian Pacific Americans	☐ Hispanic Americans
☐ Asian Indian Americans	☐ Native Americans	☐ Hasidic Jewish Americans

****

I, the undersigned Contractor agree to provide all labor, material, permits, taxes, insurance, equipment and related fees, necessary to complete the work as specified above for the property located at:

678 Migeon Avenue
Torrington CT 06790
Project #: 143-425

All work will be performed in accordance to applicable Building and Fire Code(s).

Company Name: _____

Address: _____

_____

Phone: _____ Fax: _____ Email: _____

FEIN or SSAN#: _____ Contractor License # _____ Exp. Date: _____

Date: _____ Print Name: _____

Signature: _____

Total Bid Amount: $_____

Amount Written: _____

(This information must be submitted in order to have your bid considered responsive)