PROJECT SPECIFICATIONS
FOR

ABATEMENT OF THE INTERIOR OF THE STONE BUILDING AUGUSTA, MAINE

Prepared for:

STATE OF MAINE BUREAU OF GENERAL SERVICES
111 SEWALL STREET
77 STATE HOUSE STATION
AUGUSTA, MAINE 04333

Prepared by:

GALE ASSOCIATES, INC.
5 MOULTON STREET
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&

RANSOM CONSULTING LLC
400 COMMERCIAL STREET,
SUITE 404
PORTLAND, ME 04101

April 2024

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Division 00 – Procurement and Contracting Requirements

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2. Project Information
2.1.1. Project Identification: **Abatement of the Interior of the Stone Building**.
2.1.1.1. Project Location**: 67 Independence Drive, Augusta, Maine**.
2.1.2. Owner: **State of Maine, 77 State House Station, August, Maine.**
2.1.2.1. Owner's Representative: **Elaine Clark, Bureau of General Services, 207-624-7314. Elaine.Clark@maine.gov.**
2.1.3. Engineer: **Gale Associates, LLC, 5 Moulton Street, Portland, ME 04101**
2.1.3.1. Engineer's Representative: **Alan Pinciaro, Associate, 603-471-1887 ext. 603, acp@gainc.com**.

3. Incidental Items
3.1 Incidental work items for which separate payment is not measured include, but are not limited to, the following items:
3.1.1. Dust Control;
3.1.2. Decontamination of equipment, tools and personnel;
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3.1.9. Protection of utilities;
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3.1.12. Submission of required submittals; and
3.1.13. Temporary facilities including sanitary conveniences

4. Work Covered by Contract Documents
4.1. The Work of Project is defined by the Contract Documents and consists of the following:
4.1.1. **Task 1 – Mobilization and Site Preparation**. Mobilization and demobilization of the necessary tools, labor, and equipment to successfully complete the Project, including Site cleanup. Task shall include obtaining necessary permits and submitting required notifications to the City of Augusta and the State of Maine, establishing temporary facilities, and dust control measures.
4.1.2. **Task 2: Asbestos Abatement**. Abatement of asbestos-containing materials (ACM) in interior portions of the Stone Building. See Ransom Consulting, LLC (Ransom)'s "Hazardous Building Materials Inventory (HBMI), Former Maine State Hospital: Stone Building, 67 Independence Drive, Augusta, Maine," dated January 31, 2023 attached to these project specifications (Attachment B) for information regarding asbestos locations and approximate quantities. This task shall be inclusive of the interior asbestos containing materials and presumed asbestos containing material identified by Ransom's Report, with the following exceptions: window components including window glazing, caulking, and sashes

throughout the building, and decorative wood work and trim within the administration portion of the building are not included in this scope of work.

4.1.2.1 Asbestos abatement must be performed in accordance with applicable regulations established by the United States Environmental Protection Agency, OSHA, and the State of Maine. ACM will be removed by a licensed asbestos abatement contractor and in accordance with a project design prepared by a certified Abatement Project Designer. See Section 02 82 11 for details.

4.1.2.2 All quantities in the Ransom HBMI report are ESTIMATES ONLY and all quantities must be verified by the abatement contractor.

4.1.2.3 Contractor shall provide and maintain environmental and engineering controls to contain potentially hazardous dust and stormwater from impacting the public, site workers, or occupants of adjacent properties.

4.1.2.4 Air clearance sampling by a MEDEP-Certified Asbestos Air Monitor must be conducted prior to removal of containment. Coordination and payment of this clearance sampling is the responsibility of the Contractor.

4.1.3 **Task 3: Full Removal of Lead-Based Paint.** The complete removal and disposal of lead-based paint, as practicable. Full removal of lead-based paint will be throughout the entire Site building. Full removal of lead-paint will be in accordance with applicable local, State and Federal requirements. Contractor will take all necessary actions to protect and/or restore historic woodwork and all other areas throughout the building which are not scheduled for lead-based paint removal.

4.1.3.1 Lead-based paint identified throughout the Site buildings will be removed and managed in accordance with State and Federal regulations, including the OSHA lead standard (29 CFR 1926.62 “Lead Exposure in Construction: Interim Final Rule”), EPA Lead Renovation, Repair, and Painting (RRP) Program Rules, and the OSHA Lead Standard for Construction Industry. Contractor shall prepare a Site-specific health and safety plan for demolition activities which includes worker exposure risks, the required work procedures, and personal protective equipment to be used.

4.1.3.2 A lead paint survey was conducted at the Site by Air Quality Management Services, Inc. Tabulated data from the lead paint inspection is included in Attachment C. Lead paint removal activities under this task shall be conducted in all areas of the Stone Building which are identified as “Positive” in Attachment C. Doors and woodwork identified as coated in lead paint are to be stripped and are not to be removed as whole components.

4.1.4 **Task 4: Removal and Off-Site Disposal of Universal/Hazardous Wastes.** Universal and hazardous waste will be handled, transported, and disposed in accordance with State of Maine, MEDEP, and Federal regulations. Trained individuals shall package the waste in appropriate containers with proper labeling. Shipment of waste will be conducted in accordance with established Maine Department of Transportation protocol, and documentation of proper disposal shall be provided to the Engineer. Please note that the lighting systems in the basement of the Stone Building (fluorescent light fixtures, and associated bulbs, ballasts, and motion sensors) are excluded from this contract and are to be left in place.

4.1.4.1 A hazardous materials inventory was conducted at the Stone Building as documented in Ransom’s “HBMI, Former Maine State Hospital: Stone Building, 67 Independence Drive, Augusta, Maine,” dated January 25, 2022. This inventory is included in the Ransom report as Table 4, which is attached to these project specifications as Attachment B. Please note that quantities listed in the HBMI report are ESTIMATES ONLY and all quantities must be verified by the abatement contractor.

5. Access to Site

5.1. Use of Site: Limit use of Project site to areas within the perimeter fence. Do not disturb portions of Project site beyond areas in which the Work is indicated.
5.1.1. Driveways, Walkways, and Entrances: Keep driveways and entrances serving premises clear and available to Owner, Owner's employees, and emergency vehicles at all times. Do not use these areas for parking or for storage of materials.

6. Work Restrictions
6.1. Work Restrictions, General: Comply with restrictions on construction operations.
6.1.1. Comply with limitations on use of public streets and with other requirements of authorities having jurisdiction.

6.2. On-Site Work Hours: Limit work in the existing building to normal business working hours of 7:00 a.m. to 7:00 p.m., Monday through Friday, unless otherwise approved by Engineer and Owner.

7. Products (Not Used)

8. Execution (Not Used)

END OF SECTION 00 10 00

00 11 13
Notice to Contractors

Abatement of the Interior of the Stone Building, Augusta, Maine PJCT3381

The abatement of the Stone Building, Augusta, Maine project will involve the proper abatement of asbestos containing materials, full removal of lead based paint, removal of universal wastes, and proper disposal of hazardous building materials from the interior of the Stone Building, located at 67 Independence Drive in Augusta, Maine. Please note requests for information associated with the project are due by 5:00 p.m. on May 1, 2024 . Responses to requests for information will be provided via addendum by 5:00 p.m. on May 6, 2024.

The cost of the work is approximately $ NOT SPECIFIED. The contract shall designate the Substantial Completion Date on or before *December 18, 2024*, and the Contract Final Completion Date on or before *December 31, 2024*.

1. Submit bids on a completed Contractor Bid Form (section 00 41 13) provided in the Bid Documents, include bid security when required, and scan each item as an attachment to an email addressed to: BGS.Architect@Maine.gov, so as to be received no later than **2:00:00 p.m.** on ***May 14, 2024***. The email subject line shall be marked "**Bid for *Abatement of the Interior of the Stone Building, Augusta, Maine***".

   Bid submissions will be opened and read aloud at the time and date noted above at the Bureau of General Services office, accessible as a video conference call. Those who wish to participate in the call must submit a request for access to BGS.Architect@Maine.gov.

   Any bid received after the noted time will not be considered a valid bid and will remain unopened. Any bid submitted by any other means will not be considered a valid bid. In certain circumstances, the Bureau of General Services may require the Bidder to surrender a valid paper copy of the bid form or the bid security document. The Owner reserves the right to accept or reject any or all bids as may best serve the interest of the Owner.

2. Questions and comments on the *bid opening process* shall be addressed to: Joseph H. Ostwald, Director, Division of Planning, Design & Construction, Bureau of General Services, 77 State House Station, Augusta, Maine 04333-0077, BGS.Architect@Maine.gov.

3. Questions and comments regarding the *project* design specifications or drawings shall be directed in writing to the Consultant during the bid period prior to the question and comment deadline of 5:00 p.m. on *May 1, 2024. Responses to questions and comments regarding the project will be issued via addendum by 5:00 p.m. on May 6, 2024*.

   Gale Associates Inc.
   Alan Pinciaro
   acp@gainc.com

4. ☒ Bid security is required on this project.
   The Bidder shall include a satisfactory Bid Bond (section 00 43 13) or a certified or cashier's check for 5% of the bid amount with the completed bid form submitted to the Owner. The Bid Bond form is available on the BGS website.
   or
   ☐ Bid security is not required on this project.

5. ☒ Performance and Payment Bonds are required on this project.
   If noted above as required, or if any combination of Base Bid and Alternate Bids amounts selected in the award of the contract exceeds $125,000.00, the selected Contractor shall furnish a 100% contract Performance Bond (section 00 61 13.13) and a 100% contract Payment Bond (section 00 61 13.16) in the contract amount to cover the execution of the Work. Bond forms are available on the BGS website.
   or
   ☐ Performance and Payment Bonds are not required on this project.

6. Filed Sub-bids *are not required* on this project.

7. ☐ Pre-qualified General Contractors are utilized on this project.
   (None)
   or
   ☒ Pre-qualified General Contractors are not utilized on this project.

8. ☒ An on-site pre-bid conference (☒ *mandatory* or ☐ *optional*) will be conducted for this project.
   The pre-bid conference is intended for General Contractors. Subcontractors and suppliers are welcome to attend. Contractors who arrive late or leave early for a mandatory meeting may be prohibited from participating in this meeting and bidding.
   April 25, 2024, 9:00 A.M.
   Stone Building
   67 Independence Drive, Augusta, Maine

   or
   ☐ An on-site pre-bid conference will not be conducted for this project.

9. Bid Documents - full sets only - will be available on or about *April 16, 2024* and may be obtained *at no cost for electronic copies* from:
   Gale Associates Inc.
   Alan Pinciaro
   acp@gainc.com

10. Bid Documents may be examined at:

AGC Maine
188 Whitten Road
Augusta, ME 04330
Phone 207-622-4741 Fax 207-622-1625

Construction Summary
734 Chestnut Street
Manchester, NH 03104
Phone 603-627-8856 Fax 603-627-4524

00 21 13
Instructions to Bidders

1. Bidder Requirements

1.1 A bidder is a Contractor who is qualified, or has been specifically pre-qualified by the Bureau of General Services, to bid on the proposed project described in the Bid Documents.

1.2 Contractors and Subcontractors bidding on projects that utilize Filed Sub-bids shall follow the requirements outlined in these Bid Documents for such projects. See Section 00 22 13 for additional information.

1.3 Contractors and Subcontractors are not eligible to bid on the project when their access to project design documents prior to the bid period distribution of documents creates an unfair bidding advantage. Prohibited access includes consultation with the Owner or with design professionals engaged by the Owner regarding cost estimating, constructability review, or project scheduling. This prohibition to bid applies to open, competitive bidding or pre-qualified contractor bidding or Filed Sub-bidding. The Bureau may require additional information to determine if the activities of a Contractor constitute an unfair bidding advantage.

1.4 Each bidder is responsible for becoming thoroughly familiar with the Bid Documents prior to submitting a bid. The failure of a bidder to review evident site conditions, to attend available pre-bid conferences, or to receive, examine, or act on addenda to the Bid Documents shall not relieve that bidder from any obligation with respect to their bid or the execution of the work as a Contractor.

1.5 Prior to the award of the contract, General Contractor bidders or Filed Sub-bidders may be required to provide documented evidence to the Owner or the Bureau showing compliance with the provisions of this section, their business experience, financial capability, or performance on previous projects.

1.6 The selected General Contractor bidder will be required to provide proof of insurance before a contract can be executed.

1.7 Contracts developed from this bid shall not be assigned, sublet or transferred without the written consent of the Owner.

1.8 By submitting a bid the Contractor attests that it has not been declared ineligible to bid on State of Maine projects. The Director of the Bureau of General Services may disallow award of this contract to any Contractor if there is evidence that the Contractor or any of its Subcontractors, through their own fault, have been terminated, suspended for cause, debarred from bidding, agreed to refrain from bidding as part of a settlement, have defaulted on a contract, or had a contract completed by another party.

1.9 The Contractor attests that it is not presently indicted for or otherwise criminally or civilly charged by a Federal, State or local government entity with commission of any of the following offenses and has not within a three-year period preceding this bid been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction, or contract under a public transaction, violation of Federal or State anti-trust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.

1.10 The Contractor shall not make any award or permit any award (subgrant or contract) at any tier to any party which is debarred or suspended or is otherwise excluded from or ineligible for participation in Federal assistance programs or State of Maine projects.

2. Authority of Owner

2.1 The Owner reserves the right to accept or reject any or all bids as may best serve the interest of the Owner.

2.2 Subject to the Owner's stated right to accept or reject any or all bids, the Contractor shall be selected on the basis of the lowest dollar value of an acceptable Base Bid, or any combination of Base Bid plus Alternate Bids, as well as other limited cost modifications the Owner determines may best serve the interests of the Owner. An acceptable bid is a duly submitted bid from a responsive and responsible bidder.

2.3 The Owner reserves the right to require Bid Bonds or Performance and Payment Bonds for any project of any contract value.

3. Submitting Bids and Bid Requirements

3.1 Each bid shall be submitted on the forms provided in the Bid Documents.

3.2 Each bid shall be valid for a period of thirty calendar days following the Project bid closing date and time. The bid expiration date may be extended in unusual circumstances by mutual consent of the Bidder and the Owner. The bid amount shall not be modified due to the bid expiration date extension.

3.3 Any provision contained in a bid which shows cost escalation, or any modification of schedule or other requirements shall not be accepted. Such a provision causes the bid to be invalid, or, at the discretion of the Owner and BGS, that element of the bid submission may be disregarded for the purpose of awarding the contract without that provision.

3.4 Bidders shall include a Bid Bond or other approved bid security with the bid form submitted to the Owner when the bid form indicates such bid security is required. The bond value shall be 5% of the bid amount. The form of bond is shown in section 00 43 13.

3.5 Bidders recognize that inclusion of contract bonds and the cost of those bonds is dependent on the awarded contract dollar value. Therefore, a Base Bid, or any combination of Base Bid plus Alternate Bids, as well as other limited cost modifications, resulting in a contract award shall include the cost of Performance and Payment Bonds in the submitted bid amount when the construction contract value is over $125,000.00. Similarly, the cost of Performance and Payment Bonds is excluded in the submitted bid amount when the construction contract value is $125,000.00 or less unless bonds are specifically required by the Bid Documents. When required for the project, the selected Contractor shall provide these bonds before a contract can be executed, pursuant to 14 M.R.S.A., Section 871, Public Works Contractors' Surety Bond Law of 1971, subsection 3. The form of bonds is shown in section 00 61 13.13 and 00 61 13.16.

3.6 Bidders may modify bids in writing, by the same means as the original bid submission, prior to the bid closing time. Such written amendments shall not disclose the amount of the initial bid. If so disclosed, the entire bid is considered invalid.

3.7 Bidders implicitly acknowledge all Addenda issued when they submit the bid form. By usual practice the Consultant shall not issue Addenda less than 72 hours prior to the bid closing time, to allow ample time for bidders to incorporate the information. However, some information, such as extending the bid due date and time, may be issued with shorter notice. Addenda shall be issued to all companies who are registered holders of Bid Documents.

3.8 A bid may be withdrawn without penalty if a written request by the bidder is presented to the Owner prior to the bid closing time. Such written withdrawal requests are subject to verification as required by the Bureau. After the bid closing time, such written withdrawal requests may be allowed in consideration of the bid bond or, without utilizing a bid bond, if the Contractor provides documented evidence to the satisfaction of the Bureau that factual errors had been made on the bid form.

3.9 In the event State of Maine Offices unexpectedly close on the published date of a public bid opening in the location of that bid opening, prior to the time of the scheduled deadline, the new deadline for the public bid opening will be the following business day at the originally scheduled hour of the day, at the original location. Official closings are posted on the State of Maine government website.

3.10 The Owner may require, in a Notice of Intent to Award letter to the apparent low bidder, a Schedule of Values, Project Schedule, and List of Subcontractors and Suppliers as both a demonstration of capability of the Bidder and as a condition of award.

3.11 Projects which require a State of Maine wage determination will include that schedule as part of the Bid Documents. See section 00 73 46, if such rates are required.

3.12 Projects which require compliance with the Davis-Bacon Act are subject to the regulations contained the Code for Federal Regulations and the federal wage determination which is made a part of the Bid Documents. See section 00 73 46, if such rates are required.

3.13 The Owner is exempt from the payment of Maine State sales and use taxes as provided in 36 M.R.S. §1760 (1). The Contractor and Subcontractors shall not include taxes on exempt items in the construction contract.

00 25 13
Pre-Bid Meetings

1. Pre-Bid Meeting
1.1. The owner and Engineer will conduct a pre-bid meeting as indicated below:

1.1.1. Meeting Date: **April 25, 2024**

1.1.2. Meeting Time: **9:00 a.m., local time.**

1.1.3. Location: **Stone Building, 67 Independence Drive, Augusta, Maine**

1.2. Attendance
1.2.1. Prime Bidders: Attendance at Pre-bid meeting is mandatory.

1.2.2. Subcontractors: Attendance at Pre-bid meeting is non-mandatory but recommended.

1.3. Bidder Questions: Submit written questions to be addressed at Pre-bid meeting minimum of two business days (48 hours) prior to meeting.

1.4. Agenda: Pre-bid meeting agenda will include review of topics that may affect proper preparation and submittal of bids, including the following:

1.4.1. Procurement and Contracting Requirements:
- Instructions to Bidders.
- Bidder Qualifications.
- Bonding.
- Insurance.
- Bid Security.
- Bid Form and Attachments.
- Bid Submittal Requirements.
- Bid Submittal Checklist.
- Notice of Award.

1.4.2. Communication during bidding period.
- Obtaining documents.
- Bidder's Requests for Information.
- Addenda.

1.4.3. Contracting Requirements:
- Agreement.
- The General Conditions.
- Other Owner requirements.

1.4.4. Construction Documents:
- Scopes of Work.
- Temporary Facilities.
- Use of Site.
- Work Restrictions.
- Substitutions Following Award/Change Orders.

1.4.5. Schedule:
- Project Schedule.
- Contract Time.
- Other Bidder Questions.

1.4.6. Site/facility visit or walkthrough.
1.4.7. Post-meeting addendum.

1.5. Minutes. Engineer shall record and distribute meeting minutes to attendees and others known by the Engineer to have received a complete set of Procurement and Contracting Documents. Minutes of meeting are issued as Available Information and do not constitute a modification to the Procurement and

Contracting Documents. Modifications to the Procurement and Contracting Documents are issued by written Addendum only.

1.5.1. Sign-in sheet: Minutes will include list of meeting attendees.

1.5.2. List of plan holders: Minutes will include list of plan holders.

00 31 13
Preliminary Schedule

1. Project Schedule

1.1. This Document is part of the Procurement and Contracting Requirements for Project. They provide Owner's information for Bidders' convenience and are intended to supplement rather than serve in lieu of Bidders' own investigations. They are made available for Bidders' convenience and information, but do not affect Contract Time requirements. This Document and its attachments are not part of the Contract Documents.

1.2. Preliminary project schedule including design and construction milestones is as follows:
Advertisement for Bids – April 16, 2024
Pre-Bid Contractor Site Walk – April 25, 2024 at 9:00 a.m.
Contractor Bids Due – May 14, 2024at 2:00 p.m.
Project Mobilization – June 17, 2024
Substantial Completion – December 18, 2024
Final Completion – December 31, 2024

1.3. Related Requirements:
Document 004113 "Bid Form".
Section 00 10 00 "Summary" for construction requirements.
Section 01 77 00 "Closeout Procedures" for closeout procedures.

END OF DOCUMENT 00 31 13

00 31 26
Existing Hazardous Material Information

1. Existing Hazardous Material Information

1.1. This Document with its referenced attachments is part of the Procurement and Contracting Requirements for Project. They provide Owner's information for Bidders' convenience and are intended to supplement rather than serve in lieu of Bidders' own investigations. They are made available for Bidders' convenience and information but are not a warranty of existing conditions. This Document and its attachments are not part of the Contract Documents.

1.2. Ransom Consulting, LLC (Ransom) prepared a report entitled "Hazardous Building Materials Inventory, Former Maine State Hospital: Stone Building, 67 Independence Drive, Augusta, Maine," dated January 25, 2022. A full copy of this report can be found in Attachment B. For the purposes of Ransom's Hazardous Building Materials Inventory (HBMI), the Stone Building was divided into six sections including, basement, administration building, south wing, north wing, exterior, and attic; figures depicting each area are included in the HBMI report. The following presents a summary of asbestos containing materials (ACM) and presumed ACM identified by the HBMI. Refer to the full HBMI report for details regarding specific materials tested, lead paint results, universal wastes, and limitations. Please note that the quantities listed in the HBMI report are ESTIMATES ONLY and all quantities must be verified by the abatement contractor.

1.2.1. Basement. Nine samples of suspect ACM were collected from the basement of the Stone Building. Laboratory results identified the following materials present in the basement as ACM: Thermal System Insulation (TSI) pipe wrap, and TSI mudded elbows. In addition, the following materials were presumed to be ACM: TSI pipe wrap labeled as ACM, TSI elbows and tees, and an insulated wall safe. Universal Waste identified in the basement includes approximately 75 fluorescent light ballasts, 152 fluorescent light tubes, and six emergency exit signs/lighting systems. PLEASE NOTE THAT THE LIGHTING SYSTEMS LOCATED WITHIN THE BASEMENT OF THE STONE BUILDING ARE EXCLUDED FROM THIS CONTRACT AND SHOULD BE LEFT IN PLACE.

1.2.2. Administration Building. 161 samples of suspect ACM were collected from the interior of the Administration Building. Laboratory results identified the following materials present in the Administration Building as ACM: 9-inch by 9-inch floor tile and residual black mastic. In addition, the following materials were presumed to be ACM: 9-inch by 9-inch floor tiles (black and mottled gray) impacted with ACM mastic, linoleum impacted with ACM mastic, TSI pipe wrap, and an insulated wall safe. Universal waste identified in the Administration Building includes approximately 125 fluorescent light ballasts, 250 fluorescent light tubes, 18 high intensity discharge (HID) lamps, 11 air conditioning units, and one refrigerant compressor unit. Lead-based paint was identified on multiple painted surfaces within the Administration Building. Please note that window components (glazing, caulking, lead paint on window sashes) associated with the Administration Building are not included in the current scope of work.

1.2.3. South Wing. 15 samples of suspect ACM were collected from the interior of the south wing. Lead-based paint was identified on multiple painted surfaces within the South Wing. Please note that windows associated with the south wing are not included in the current scope of work, and are to be protected. Wood stools and aprons on the interior of the south wing are included in the scope of work and lead paint identified on these features will require abatement.

1.2.3.1. Section I – Laboratory results identified the following materials present in Section I of the south wing as ACM: 12-inch by 12-inch floor tiles. In addition, the following materials were presumed to be ACM: boxes of 9-inch by 9-inch floor tile and first floor ceiling plaster. Universal waste identified includes approximately 139 fluorescent light ballasts, 278 fluorescent light tubes, and 14 emergency exit signs/lighting systems.

1.2.3.2. Section II – Laboratory results identified the following materials present in Section II of the south wing as ACM: 12-inch by 12-inch floor tiles. Universal waste identified

includes approximately 194 fluorescent light ballasts, 388 fluorescent light tubes, and 11 emergency exit signs/lighting systems.

1.2.3.3. Section III – Laboratory results identified the following materials present in Section III of the south wing as ACM: 9-inch by 9-inch floor tiles and associated black mastic, 12-inch by 12-inch floor tiles (beige mottled), and residual black mastic. Universal waste identified includes approximately 196 fluorescent light ballasts, 392 fluorescent light tubes, and 15 emergency exit signs/lighting systems.

1.2.4. North Wing. 161 samples of suspect ACM were collected from the interior of the north wing. Lead-based paint was identified on multiple painted surfaces within the North Wing. Please note that windows associated with the north wing are not included in the current scope of work, and are to be protected. Wood stools and aprons on the interior of the north wing are included in the scope of work and lead paint identified on these features will require abatement.

1.2.4.1. Section I – Laboratory results identified the following materials present in Section I of the North Wing as ACM: 9-inch by 9-inch floor tiles and black mastic. Universal waste identified includes approximately 167 fluorescent light ballasts, 334 fluorescent light tubes, and 12 emergency exit signs/lighting systems.

1.2.4.2. Section II - Laboratory results identified the following materials present in Section II of the North Wing as ACM: 9-inch by 9-inch floor tiles and associated mastic, 12-inch by 12-inch floor tile (pea green) and associated mastic, and mastic associated with gray square pattern linoleum. In addition, the following materials were presumed to be ACM: multiple types of 12-inch by 12-inch floor tile impacted with ACM black mastic and gray square pattern linoleum. Universal waste identified includes approximately 184 fluorescent light ballasts, 368 fluorescent light tubes, 20 emergency exit signs/lighting systems, one air conditioning unit, and one refrigerant compressor unit.

1.2.4.3. Section III – Laboratory results identified the following materials present in Section III of the north wing as ACM: 9-inch by 9-inch floor tiles and associated black mastic and 12-inch by 12-inch floor tiles and associated black mastic. In addition, the following materials were presumed to be ACM: 9-inch by 9-inch floor tile (beige with black mottles), 12-inch by 12-inch floor tiles impacted with black ACM mastic, TSI pipe wrap, and third floor ceiling plaster. Universal waste identified includes approximately 155 fluorescent light ballasts, 310 fluorescent light tubes, 16 emergency exit signs/lighting systems, and one refrigerant compressor unit.

1.2.5. Attic. Three samples of suspect ACM were collected from the attic of the Stone Building. Laboratory analysis did not identify ACM within the attic of the Stone Building.

1.3. Air Quality Management Services Inc. completed a Limited Asbestos and Lead-based paint survey for the Stone Building dated December 14, 2007. The survey identified lead-based paint on numerous surfaces throught the Stone Building. The lead determination table prepared by Air Quality Management Services is included as Attachment C.

1.4. Related Requirements

1.4.1. Document 002113 “Instructions to Bidders” for the Bidder's responsibilities for examination of Project site and existing conditions.

END OF DOCUMENT 00 31 26

00 41 13
Contractor Bid Form

Abatement of the Stone Building, Augusta, Maine PJCT3381

Bid Form submitted by: *email only to email address below*

Bid Administrator:

BGS.Architect@Maine.gov

Bureau of General Services
111 Sewall Street, Cross State Office Building, 4th floor
77 State House Station
Augusta, Maine 04333-0077

Bidder:

Signature: _____

Printed name and title: _____

Company name: _____

Mailing address: _____

City, state, zip code: _____

Phone number: _____

Email address: _____

State of incorporation, if a corporation: _____

List of all partners, if a partnership: _____

The Bidder agrees, if the Owner offers to award the contract, to provide any and all bonds and certificates of insurance, as well as Schedule of Values, Project Schedule, and List of Subcontractors and Suppliers if required by the Owner, and to sign the designated Construction Contract within twelve calendar days after the date of notification of such acceptance, except if the twelfth day falls on a State of Maine government holiday or other closure day, or a Saturday, or a Sunday, in which case the aforementioned documents must be received before 12:00 noon on the first available business day following the holiday, other closure day, Saturday, or Sunday.

As a guarantee thereof, the Bidder submits, together with this bid, a bid bond or other acceptable instrument as and if required by the Bid Documents.

00 41 13
Contractor Bid Form

1. The Bidder, having carefully examined the *Hazardous Building Materials Inventory Rev 1, Former Maine State Hospital: Stone Building* Project Manual dated *January 31, 2023*, prepared by *Ransom Consulting LLC*, as well as Specifications, Drawings, and any Addenda, the form of contract, and the premises and conditions relating to the work, proposes to furnish all labor, equipment and materials necessary for and reasonably incidental to the construction and completion of this project for the **Base Bid** amount of:

   $ _____ .00

2. Allowances *are included* on this project.
   Bid amount above includes the following Allowances
   For additional asbestos containing materials and/or quantities that may be encountered during abatement activities. $ *35,000*.00

3. Alternate Bids *are not included* on this project.
   No Alternate Bids
   Any dollar amount line below that is left blank by the Bidder shall be read as a bid of **$0.00**.

   1 Not Used $ _____ .00

   2 Not Used $ _____ .00

   3 Not Used $ _____ .00

   4 Not Used $ _____ .00

4. Bid security *is required* on this project.
   If noted above as required, or if the Base Bid amount exceeds $125,000.00, the Bidder shall include with this bid form a satisfactory Bid Bond (section 00 43 13) or a certified or cashier's check for 5% of the bid amount with this completed bid form submitted to the Owner.

5. Filed Sub-bids *are required* on this project.
   If noted above as required, the Bidder shall include with this bid form a list of each Filed Sub-bidder selected by the Bidder on the form provided (section 00 41 13F).

00 43 13
Contractor Bid Bond

Bond No.: **insert bond number**

We, the undersigned, ***insert company name of Contractor***, ***select type of entity*** of ***insert name of municipality*** in the State of ***insert name of state*** as principal, and ***insert name of surety*** as Surety, are hereby held and firmly bound unto ***select title of obligee*** in the penal sum of ***five percent of the bid amount***, for the payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns, signed this ***insert date, i.e.: 8th*** day of ***select month***, ***select year***, which is the same date as that of the first specified bid due date, or subsequent bid due date revised by addendum.

The condition of the above obligation is such that whereas the principal has submitted to the Owner, or State of Maine, to a certain bid, attached hereto and hereby made a part hereof, to enter into a contract in writing, for the construction of ***insert name of project as designated in the contract documents***

Now therefore:

If said bid shall be rejected, or, in the alternate,

If said bid shall be accepted and the principal shall execute and deliver a contract in the form of contract attached hereto, properly completed in accordance with said bid, and shall furnish a bond for the faithful performance of said contract, and for the payment of all persons performing labor or furnishing material in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said bid, then this obligation shall be void.

Otherwise, the same shall remain in force and effect- it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received hereby stipulates and agrees that the obligation of said Surety and its bonds shall be in no way impaired or affected by any extension of the time within which the Obligee may accept such bid and said Surety does hereby waive notice of any such extension.

[Fillable bond forms may be downloaded from the Bureau of General Services website.]

00 43 13
Contractor Bid Bond

In witness whereof, the principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set above.

Signed and sealed this ***insert date, i.e.: 8th*** day of ***select month***, ***select year***, which is the same date as that of the first specified bid due date, or subsequent bid due date revised by addendum.

Contractor

(Signature)

insert name and title

insert company name

insert address
insert city state zip code

Surety

(Signature)

insert name and title

insert company name

insert address
insert city state zip code

If Contractor is a partnership, all partners shall execute the bond. A power of attorney document indicating that it still is in full force and effect shall be provided by the person executing this bond.

[Fillable bond forms may be downloaded from the Bureau of General Services website.]

AdvantageME CT# _____

State of Maine
CONSTRUCTION CONTRACT

Large Construction Project

This form is used when the Contract value is $50,000 or greater.
The Project Manual, Specifications and Drawings, and any Addenda are considered part of this Contract.

Agreement entered into by and between the ***contracting entity name*** hereinafter called the ***Owner*** and ***Contractor company name*** hereinafter called the ***Contractor***.

BGS Project No.: ***number assigned by BGS*** Other Project No.: _____

For the following Project: ***title of project as shown on bid documents*** at ***facility or campus name***, ***municipality***, Maine.

The Specifications and the Drawings have been prepared by ***Consultant firm name***, acting as Professional-of-Record and named in the documents as the Consultant Architect or Engineer.

The *Owner* and *Contractor* agree as follows:

ARTICLE 1 COMPENSATION AND PAYMENTS

1.1 The Owner shall pay the Contractor to furnish all labor, equipment, materials and incidentals necessary for the construction of the Work described in the Specifications and shown on the Drawings the Contract Amount as shown below.

Base Bid	*$0.00*
Alternate Bid number and name or "no Alternates"	*$0.00*
Alternate Bid number and name or "no Alternates"	*$0.00*
Alternate Bid number and name or "no Alternates"	*$0.00*
Alternate Bid number and name or "no Alternates"	*$0.00*
Alternate Bid number and name or "no Alternates"	*$0.00*
Total Contract Amount	***$0.00***

1.2 The Contractor's requisition shall contain sufficient detail and supporting information for the Owner to evaluate and support the payment requested.

1.2.1 Payments are due and payable twenty-five working days from the date of receipt of a Contractor requisition which is approved by the Owner.

1.2.2 Provisions for late payments are governed by 5 M.R.S. Chapter 144, *Payment of Invoices Received from Business Concerns*, and interest shall be calculated at 1% per month.

ARTICLE 2 COMMENCEMENT AND COMPLETION DATES

2.1 The Work of this Contract shall commence no sooner than the date this document is executed by the approval authority, or a subsequent date designated in the contract documents.

2.2 The Substantial Completion Date shall be _____.

2.3 The Work of this Contract shall be completed on or before the Contract Final Completion Date of _____.

2.4 The Contract Expiration Date shall be _____. (This date is the Owner's deadline for internal management of contract accounts. The Contract Expiration Date does not directly relate to any contract obligation of the Contractor.)

ARTICLE 3 INELIGIBLE BIDDER

3.1 By signing this contract the Contractor attests that it has not been declared ineligible to bid on State of Maine projects. The Bureau of General Services may disallow award of this contract to any Contractor if there is evidence that the Contractor or any of its Subcontractors, through their own fault, have been terminated, suspended for cause, debarred from bidding, agreed to refrain from bidding as part of a settlement, have defaulted on a contract, or had a contract completed by another party.

3.2 By signing this contract the Contractor attests that it is not presently indicted for or otherwise criminally or civilly charged by a Federal, State or local government entity with commission of any of the following offenses and has not within a three-year period preceding this bid been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction, or contract under a public transaction, violation of Federal or State anti-trust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.

3.3 The Contractor shall not make any award or permit any award (subgrant or contract) at any tier to any party which is debarred or suspended or is otherwise excluded from or ineligible for participation in Federal assistance programs or State of Maine projects.

ARTICLE 4 CONTRACTOR'S RESPONSIBILITIES

4.1 On this project, the Contractor ***shall*** furnish the Owner the appropriate contract bonds in the amount of 100% of the Contract Sum. Contract bonds are mandated if the Contract Sum exceeds $125,000, or if bonds are specifically required by the Contract Documents.

4.2 The Contractor shall comply with all laws, codes and regulations applicable to the Work.

4.3 The Contractor shall acquire all permits and third-party approvals applicable to the Work not specifically identified as provided by the Owner. Costs for Contractor-provided permits and third-party approvals shall be included in the Contract Sum identified in Section 1.1 above.

4.4 The Contractor shall remain an independent agent for the duration of this Contract, shall not become an employee of the State of Maine, and shall assure that no State employee will be compensated by, or otherwise benefit from, this Contract.

4.5 The Contractor shall be responsible for any design cost, construction cost, or other cost incurred on the Project to the extent caused by the negligent acts, errors or omissions of the Contractor or their Subcontractors in the performance of Work under this Contract.

ARTICLE 5 OWNER'S RESPONSIBILITIES

5.1 The Owner shall provide full information about the objectives, schedule, constraints and existing conditions of the project. The Owner has established a budget with reasonable contingencies that meets the project requirements.

5.2 By signing this contract, the Owner attests that all State of Maine procurement requirements for this contract have been met, including the solicitation of competitive bids.

ARTICLE 6 INSTRUMENTS OF SERVICE

6.1 The Contractor's use of the drawings, specifications and other documents known as the Consultant's Instruments of Service is limited to the execution of the Contractor's scope of work of this project unless the Contractor receives the written consent of the Owner and Consultant for use elsewhere.

ARTICLE 7 MISCELLANEOUS PROVISIONS

7.1 This Contract shall be governed by the laws of the State of Maine.

7.2 The Owner and Contractor, respectively, bind themselves, their partners, successors, assigns and legal representatives to this Contract. Neither party to this Contract shall assign the Contract as a whole without written consent of the other party, which consent the Owner may withhold without cause.

7.3 Notwithstanding any other provision of this Agreement, if the Owner does not receive sufficient funds to fund this Agreement or funds are de-appropriated, or if the Owner does not receive legal authority from the Maine State Legislature or Maine Courts to expend funds intended for this Agreement, then the Owner is not obligated to make payment under this Agreement; provided, however, the Owner shall be obligated to pay for services satisfactorily performed prior to any such non-appropriation in accordance with the termination provisions of this Agreement. The Owner shall timely notify the Contractor of any non-appropriation and the effective date of the non-appropriation.

ARTICLE 8 CONTRACT DOCUMENTS

8.1 The Project Manual, Specifications and Drawings, and any Addenda, together with this agreement, form the contract. Each element is as fully a part of the Contract as if hereto attached or herein repeated.

8.2 Specifications: ***indicate date of issuance of project manual***

8.3 Drawings: ***note here or attach each sheet number and title***

8.4 Addenda: ***note each addenda number and date, or "none"***

BGS Project No.: _____

The Contract is effective as of the date executed by the approval authority.

OWNER	**CONTRACTOR**
Signature *Date* *name and title* *name of contracting entity* *address* *telephone* *email address*	*Signature* *Date* *name and title* *name of contractor company* *address* *telephone* *email address* *Vendor Number*

Indicate the names of the review and approval individuals appropriate to the approval authority.

select proper approval authority	
Reviewed by:	**Approved by:**
Signature *Date* *insert name*	*Signature* *Date* *Joseph H. Ostwald*
Project Manager/ Contract Administrator	*Director, Planning, Design & Construction*

00 61 13.13
Contractor Performance Bond

Bond No.: **insert bond number**

We, the undersigned, ***insert company name of Contractor***, ***select type of entity*** of ***insert name of municipality*** in the State of ***insert name of state*** as principal, and ***insert name of surety*** as Surety, are hereby held and firmly bound unto ***select title of obligee*** in the penal sum of the Contract Price $ ***insert the Contract Price in numbers*** for the payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

The condition of the above obligation is such that if the principal shall promptly and faithfully perform the contract entered into this ***insert date, i.e.: 8th*** day of ***select month***, ***select year***, which is the same date as that of the notice of intent to award letter, or in the absence of such a letter, not later than the date the Owner signs the construction contract, for the construction of ***insert name of project as designated in the contract documents***, then this obligation shall be null and void.

Otherwise, the same shall remain in force and effect- it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received hereby stipulates and agrees that the obligation of said Surety and its bonds shall be in no way impaired or affected by any extension of the time which the Obligee may accept during the performance of the contract and said Surety does hereby waive notice of any such extension.

[Fillable bond forms may be downloaded from the Bureau of General Services website.]

00 61 13.13
Contractor Performance Bond

In witness whereof, the principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set above.

Signed and sealed this ***insert date, i.e.: 8th*** day of ***select month***, ***select year***, which is the same date as that of the notice of intent to award letter, or in the absence of such a letter, not later than the date the Owner signs the construction contract.

Contractor

_____

(Signature)

insert name and title

insert company name

insert address
insert city state zip code

Surety

_____

(Signature)

insert name and title

insert company name

insert address
insert city state zip code

If Contractor is a partnership, all partners shall execute the bond. A power of attorney document indicating that it still is in full force and effect shall be provided by the person executing this bond.

[Fillable bond forms may be downloaded from the Bureau of General Services website.]

00 61 13.16
Contractor Payment Bond

Bond No.: **insert bond number**

We, the undersigned, ***insert company name of Contractor***, ***select type of entity*** of ***insert name of municipality*** in the State of ***insert name of state*** as principal, and ***insert name of surety*** as Surety, are hereby held and firmly bound unto ***select title of obligee*** in the penal sum of the Contract Price $ ***insert the Contract Price in numbers*** for the use and benefit of claimants, defined as an entity having a contract with the principal or with a subcontractor of the principal for labor, materials, or both labor and materials, used or reasonably required for use in the performance of the contract, for the payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

The condition of the above obligation is such that if the principal shall promptly satisfy all claims and demands incurred for all labor and materials, used or required by the principal in connection with the work described in the contract entered into this ***insert date, i.e.: 8th*** day of ***select month***, ***select year***, which is the same date as that of the notice of intent to award letter, or in the absence of such a letter, not later than the date the Owner signs the construction contract, for the construction of ***insert name of project as designated in the contract documents***, and shall fully reimburse the obligee for all outlay and expense with said obligee may incur in making good any default of said principal, then this obligation shall be null and void.

Otherwise, the same shall remain in force and effect- it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received hereby stipulates and agrees that the obligation of said Surety and its bonds shall be in no way impaired or affected by any extension of the time which the Obligee may accept during the performance of the contract and said Surety does hereby waive notice of any such extension.

[Fillable bond forms may be downloaded from the Bureau of General Services website.]

00 61 13.16
Contractor Payment Bond

In witness whereof, the principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set above.

Signed and sealed this ***insert date, i.e.: 8th*** day of ***select month***, ***select year***, which is the same date as that of the notice of intent to award letter, or in the absence of such a letter, not later than the date the Owner signs the construction contract.

Contractor

_____

(Signature)

insert name and title

insert company name

insert address
insert city state zip code

Surety

_____

(Signature)

insert name and title

insert company name

insert address
insert city state zip code

If Contractor is a partnership, all partners shall execute the bond. A power of attorney document indicating that it still is in full force and effect shall be provided by the person executing this bond.

[Fillable bond forms may be downloaded from the Bureau of General Services website.]

Form revision date: 12 May 2023

AdvantageME CT# 00000000000000000000

State of Maine
CONSTRUCTION CONTRACT
Application for Payment

Project name
location / school / campus

Contractor Company name
address
city state zip code

Application Number: **1**
Period Start Date: 1-Jul-2020
Period End Date: 31-Jul-2020
BGS Project No.: n
Other Project No.: x

1	Original Contract Amount			$0
2	Net of Change Orders to Date	(from table below)		$0
3	Contract Sum to Date	(line 1 plus or minus line 2)		$0
4	Total Completed and Stored to Date	(column G on Continuation Sheet)		$0
5a	5% Retainage of Completed Work	(columns D + E x 5%)	$0	
5b	5% Retainage of Stored Materials	(column F x 5%)	$0	
5c	Total Retainage	(column I)		$0
6	Total Earned Less Retainage	(line 4 minus line 5c)		$0
7	Less Previous Approved Applications for Payment	(line 6 from previous Application)		$0
8	Current Payment Due	(line 6 minus line 7)		**$0**
9	Balance to Finish, Including Retainage	(line 3 minus line 6)	$0	

Change Order Summary	Additions	Deductions	
Total Changes Approved in Previous Months	$0	$0	
Total Changes Approved this Month	$0	$0	
Subtotals	$0	$0	
Net of Change Orders to Date			$0

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information, and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which the previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Contractor
Type company name here
Type person's name, title here

signature date

In accordance with the Contract Documents, based on on-site observations and the data comprising this Application, the Consultant certifies to the Owner that to the best of the Consultant's knowledge, information, and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the Amount Certified. **Amount Certified:**

Consultant (Architect or Engineer)
Type firm name here
Type person's name, title here

signature date

Owner
Type contracting entity name here
Type person's name, title here

signature date

Owner's Rep / other - clear this text if not used
Type entity name here
Type person's name, title here

signature date

Bureau of General Services

Type person's name, title here

signature date

revised 05 April 2021

AdvantageME CT# 0000

State of Maine
CONSTRUCTION CONTRACT
Change Order

Project name
location / school / campus

Change Order Number: **1**

Issue Date of this Document: 31-Dec-2022

Contractor Company name
address
city state zip code

BGS Project No.: n
Other Project No.: x

Cost Change *Show Deduct as a negative number, e.g.: "-$850".*

	Add	Deduct	Total
Net Amount of this Change Order	$0	$0	
Net Amount of Previous Change Orders	$0	$0	
Net of Change Orders to Date	$0	$0	$0
Original Contract Amount			$0
		Revised Contract Amount	**$0**

Time Change *Show Deduct as a negative number, e.g.: "-8".*

	Add	Deduct	Total
Net Calendar Days Adjusted by this Change Order	0	0	
Net Calendar Days Adjusted by Previous Change Orders	0	0	
Net of Change Orders to Date	0	0	0
Original Contract Final Completion Date			31-Dec-2023
		Revised Contract Final Completion Date*	**31-Dec-2023**

Consultant (Architect or Engineer)
Type firm name here
Type person's name, title here

signature date

Contractor
Type company name here
Type person's name, title here

signature date

Owner
Type contracting entity name here
Type person's name, title here

signature date

Type Entity, such as "Owner's Rep", or "not used"
Type entity name here
Type person's name, title here

signature date

Bureau of General Services
Division of Planning, Design & Construction
Type person's name, title here

signature date

Attach the "List of Change Order Items" sheet, plus all supporting documentation for each Change Order Item.

Substantial Completion Date: the deadline for first beneficial use by Owner, as certified by Consultant. — *1-Dec-2023*
** **Contract Final Completion Date** : the Contractor's final completion deadline for contract work.* — *31-Dec-2023*
Contract Expiration Date: the Owner's deadline for internal management of contract accounts; Contract Expiration Date does not directly relate to any contract obligation of the Contractor. — *29-Feb-2024*

List of Change Order Items

Project name
Contractor Company name

C. O. Number: 1

CO Item No.	CP No.	Item Name	Reason Code	Calendar Days*	Cost
1	1	Type brief name of Change Order Item here		0	$0
				0	$0
				0	$0
				0	$0
				0	$0
				0	$0
				0	$0
				0	$0
				0	$0
				0	$0
				0	$0
				0	$0
				0	$0
				0	$0
				0	$0
				0	$0
			Totals	**0**	**$0**

Reason Codes

EO Error or omission of Consultant
UC Unforeseen job site condition
OC Owner-generated change
RC Regulatory authority-generated change
CC Contractor-generated change

** Calendar Days shows Contract Final Completion Date impact only.*

Attach this sheet to the BGS "Change Order" cover sheet (with cost and time summaries, and signatures). Attach a "Details" sheet, and other supporting documentation, for each Change Order Item listed above.

revised 05 April 2021

State of Maine Change Order

Details of Change Order Item

Project name
location / school / campus

Contractor Company name
address
city state zip code

Change Order Item Number **1**
CP (Change Proposal) Number 1
Issue Date of this Document: 31-Oct-2021

BGS Project No.: n
Other Project No.: x

Change Order Item	Type name of Change Order Item here			
Description of Work	Type brief description here of work scope here.			
Reason or Necessity of Work	Type brief justification for change here.			
Cost Breakdown	Work by Subcontractor only	Work by Sub *and* Contractor	Work by Contractor only	
Subcontractor base cost	$0	$0		
Subcontractor markup	$0	$0		
Contractor base cost		$0	$0	
Contractor markup	$0	$0	$0	
Subtotal	$0	$0	$0	
Compensation	lump sum		**Total Cost**	**$0**
Initiated by	Consultant		**Calendar Days***	0
Reason Code	CC		**Supporting Documentation**	is attached

EO — *Error or omission of Consultant*
UC — *Unforeseen job site condition*
OC — *Owner-generated change*
RC — *Regulatory authority-generated change*
CC — *Contractor-generated change*

** Calendar Days shows Contract Final Completion Date impact only.*

Consultant (Architect or Engineer)
Type firm name here
Type person's name, title here
signature date

Contractor
Type company name here
Type person's name, title here
signature date

Owner
Type contracting entity name here
Type person's name, title here
signature date

Owner's Rep
Type entity name here
Type person's name, title here
signature date

Bureau of General Services
Division of Planning, Design & Construction
Type person's name, title here
signature date

00 71 00
Definitions

1. Definitions

1.1 *Addendum*: A document issued by the Consultant that amends the Bid Documents. Addenda shall not be issued less than seventy-two hours prior to the specified bid opening time.

1.2 *Allowance*: A specified dollar amount for a particular scope of work or service included in the Work that is identified in the Bid Documents and included in each Bidder's Bid. The Contractor shall document expenditures for an Allowance during the Project. Any unused balance shall be credited to the Owner. The Contractor is responsible for notifying the Owner of anticipated expenses greater than the specified amount and the Owner is responsible for those additional expenses.

1.3 *Alternate Bid*: The Contractor's written offer of a specified dollar amount, submitted on the Bid Form, for the performance of a particular scope of work described in the Bid Documents. The Owner determines the low bidder based on the sum of the base Bid and any combination of Alternate Bids that the Owner selects.

1.4 *Architect*: A Consultant acting as, or supporting, the Professional-of-Record who is responsible for the design of the Project. Equivalent to "Consultant" in State of Maine contract forms.

1.5 *Architectural Supplemental Instruction (ASI)*: A written instruction from the Architect for the purpose of clarification of the Contract Documents. An ASI does not alter the Contract Price or Contract Time. ASIs may be responses to RFIs and shall be issued by the Architect in a timely manner to avoid any negative impact on the Schedule of the Work.

1.6 *Bid*: The Contractor's written offer of a specified dollar amount or amounts, submitted on a form included in the Bid Documents, for the performance of the Work. A Bid may include bonds or other requirements. A base Bid is separate and distinct from Alternate Bids, being the only cost component necessary for the award of the contract, and representing the minimum amount of Work that is essential for the functioning of the Project.

1.7 *Bid Bond*: The security designated in the Bid Documents, furnished by Bidders as a guaranty of good faith to enter into a contract with the Owner, should a contract be awarded to that Bidder.

1.8 *Bidder*: Any business entity, individual or corporation that submits a bid for the performance of the work described in the Bid Documents, acting directly or through a duly authorized representative. See also *Responsive and Responsible Bidder*.

1.9 *Bid Documents*: The drawings, procurement and contracting requirements, general requirements, and the written specifications -including all addenda, that a bidder is required to reference in the submission of a bid.

1.10 *Bureau*: The State of Maine Bureau of General Services, or BGS, in the Department of Administrative and Financial Services.

1.11 *Calendar days*: Consecutive days, as occurring on a calendar, taking into account each day of the week, month, year, and any religious, national or local holidays. Calendar days are used for changes in Contract Time.

1.12 *Certificate of Substantial Completion*: A document developed by the Consultant that describes the final status of the Work and establishes the date that the Owner may use the facility for its intended purpose. The Certificate of Substantial Completion may also include a provisional list of items - a "punch list" - remaining to be completed by the Contractor. The Certificate of Substantial Completion identifies the date from which the project warranty period commences.

1.13 *Certificate of Occupancy*: A document developed by a local jurisdiction such as the Code Enforcement Officer that grants permission to the Owner to occupy a building.

1.14 *Change Order (CO)*: A document that modifies the contract and establishes the basis of a specific adjustment to the Contract Price or the Contract Time, or both. Change Orders may address correction of omissions, errors, and document discrepancies, or additional requirements. Change Orders should include all labor, materials and incidentals required to complete the work described. A Change Order is not valid until signed by the Contractor, Owner and Consultant and approved by the Bureau.

1.15 *Change Order Proposal (COP) (see also Proposal)*: Contract change proposed by the Contractor regarding the contract amount, requirements, or time. The Contractor implements the work of a COP after it is accepted by all parties. Accepted COPs are incorporated into the contract by Change Order.

1.16 *Clerk of the Works*: The authorized representative of the Consultant on the job site. Clerk of the Works is sometimes called the Architect's representative.

1.17 *Construction Change Directive (CCD)*: A written order prepared by the Consultant and signed by the Owner and Consultant, directing a change in the Work prior to final agreement with the Contractor on adjustment, if any, in the Contract Price or Contract Time, or both.

1.18 *Contract*: A written agreement between the Owner and the successful bidder which obligates the Contractor to perform the work specified in the Contract Documents and obligates the Owner to compensate the Contractor at the mutually accepted sum, rates or prices.

1.19 *Contract Bonds (also known as Payment and Performance Bonds)*: The approved forms of security, furnished by the Contractor and their surety, which guarantee the faithful performance of all the terms of the contract and the payment of all bills for labor, materials and equipment by the Contractor.

1.20 *Contract Documents*: The drawings and written specifications (including all addenda), Standard General Conditions, and the contract (including all Change Orders subsequently incorporated in the documents).

1.21 *Contract Expiration Date*: Date determined by the Owner as a deadline for internal management of contract accounts. This allows time after the Contract Final Completion Date for processing the final Requisition for Payment. The Contract Expiration Date does not directly relate to any contract obligation of the Contractor.

1.22 *Contract Final Completion Date*: Point of time when the Work is fully completed in compliance with the Contract Documents, as certified by the Consultant. Final payment to the Contractor is due upon Final Completion of the Project.

1.23 *Contract Price*: The dollar amount of the construction contract, also called *Contract Sum*.

1.24 *Contract Time*: The designated duration of time to execute the Work of the contract, with a specific date for completion.

1.25 *Contractor*: Also called the "General Contractor" or "GC" the individual or entity undertaking the execution of the general contract work under the terms of the contract with the Owner, acting directly or through a duly authorized representative. The Contractor is responsible for the means, methods and materials utilized in the execution and completion of the Work.

1.26 *Consultant*: The Architect or Engineer acting as Professional-of-Record for the Project. The Consultant is responsible for the design of the Project.

1.27 *Drawings*: The graphic and pictorial portion of the Contract Documents showing the design, location and dimensions of the Work, generally including plans, elevations, sections, details, schedules, and diagrams.

1.28 *Engineer*: A Consultant acting as, or supporting, the Professional-of-Record who is responsible for the design of the Project. Equivalent to “Consultant” in State of Maine contract forms.

1.29 *Filed Sub-bid*: The designated major Subcontractor's (or, in some cases, Contractor’s) written offer of a specified dollar amount or amounts, submitted on a form included in the Bid Documents, for the performance of a particular portion of the Work. A Filed Sub-bid may include bonds or other requirements.

1.30 *General Requirements*: The on-site overhead expense items the Contractor provides for the Project, typically including, but not limited to, building permits, construction supervision, Contract Bonds, insurance, field office, temporary utilities, rubbish removal, and site fencing. Overhead expenses of the Contractor's general operation are not included. Sometimes referred to as the Contractor's General Conditions.

1.31 *Owner*: The State agency which is represented by duly authorized individuals. The Owner is responsible for defining the scope of the Project and compensation to the Consultant and Contractor.

1.32 *Owner’s Representative*: The individual or entity contracted by the Owner to be an advisor and information conduit regarding the Project.

1.33 *Overhead*: General and administrative expenses of the Contractor’s principal and branch offices, including payroll costs and other compensation of Contractor employees, deductibles paid on any insurance policy, charges against the Contractor for delinquent payments, and costs related to the correction of defective work, and the Contractor’s capital expenses, including interest on capital used for the work.

1.34 *Performance and Payment Bonds (also known as Contract Bonds)*: The approved forms of security, furnished by the Contractor and their surety, which guarantee the faithful performance of all the terms of the contract and the payment of all bills for labor, materials and equipment by the Contractor.

1.35 *Post-Bid Addendum*: Document issued by the Consultant that defines a potential Change Order prior to signing of the construction contract. The Post-Bid Addendum allows the Owner to negotiate

contract changes with the Bidder submitting the lowest valid bid, only if the negotiated changes to the Bid Documents result in no change or no increase in the bid price.

A Post-Bid Addendum may also be issued after a competitive construction Bid opening to those Bidders who submitted a Bid initially, for the purpose of rebidding the Project work without re-advertising.

1.36 *Project*: The construction project proposed by the Owner to be constructed according to the Contract Documents. The Project, a public improvement, may be tied logistically to other public improvements and other activities conducted by the Owner or other contractors.

1.37 *Proposal (see also Change Order Proposal)*: The Contractor's written offer submitted to the Owner for consideration containing a specified dollar amount or rate, for a specific scope of work, and including a schedule impact, if any. A proposal shall include all costs for overhead and profit. The Contractor implements the work of a Proposal after it is accepted by all parties. Accepted Proposals are incorporated into the contract by Change Order.

1.38 *Proposal Request (PR)*: An Owner's written request to the Contractor for a Change Order Proposal.

1.39 *Punch List*: A document that identifies the items of work remaining to be done by the Contractor at the Close Out of a Project. The Punch List is created as a result of a final inspection of the work only after the Contractor attests that all of the Work is in its complete and permanent status.

1.40 *Request For Information (RFI)*: A Contractor's written request to the Consultant for clarification, definition or description of the Work. RFIs shall be presented by the Contractor in a timely manner to avoid any negative impact on the Schedule of the Work.

1.41 *Request For Proposal (RFP)*: An Owner's written request to the Contractor for a Change Order Proposal.

1.42 *Requisition for Payment*: The document in which the Contractor certifies that the Work described is, to the best of the Contractor's knowledge, information and belief, complete and that all previous payments have been paid by the Contractor to Subcontractors and suppliers, and that the current requested payment is now due. See *Schedule of Values.*

1.43 *Responsive and Responsible Bidder*: A bidder who complies, when submitting a bid on a given project, with the following *responsive* standards, as required by the Bid Documents:
- submits specific qualifications to bid the project, if required;
- attends mandatory pre-bid conferences, if required;
- submits a bid prior to the close of the bid period;
- submits a complete bid form;
- submits a bid without indications of intent contrary to the stated requirements;
- submits other materials and information, such as bid security, as required;

and, meets the following minimums regarding these *responsible* standards:
- sustains a satisfactory record of project performance;
- maintains a permanent place of business in a known physical location;
- possesses the financial means for short- and long-term operations;
- possesses the appropriate technical experience and capabilities;
- employs adequate personnel and subcontractor resources;

maintains the equipment needed to perform the work;
complies with the proposed implementation schedule;
complies with the insurance and bonding requirements;
provides post-construction warranty coverage;
and other criteria which can be considered relevant to the contract.

1.44 *Retainage*: The amount, calculated at five percent (5%) of the contract value or a scheduled value, that the Owner shall withhold from the Contractor until the work or portion of work is declared substantially complete or otherwise accepted by the Owner. The Owner may, if requested, reduce the amount withheld if the Owner deems it desirable and prudent to do so. (See Title 5 M.R.S.A., Section 1746.)

1.45 *Sample*: A physical example provided by the Contractor which illustrates materials, equipment or workmanship and establishes standards by which the Work will be judged.

1.46 *Schedule of the Work*: The document prepared by the Contractor and approved by the Owner that specifies the dates on which the Contractor plans to begin and complete various parts of the Work, including dates on which information and approvals are required from the Owner.

1.47 *Schedule of Values*: The document prepared by the Contractor and approved by the Owner before the commencement of the Work that specifies the dollar values of discrete portions of the Work equal in sum to the contract amount. The Schedule of Values is used to document progress payments of the Work in regular (usually monthly) requisitions for payment. See *Requisition for Payment*.

1.48 *Shop Drawings*: The drawings, diagrams, schedules and other data specially prepared for the Work by the Contractor or a Subcontractor, manufacturer, supplier or distributor to illustrate some portion of the Work.

1.49 *Specifications*: The portion of the Contract Documents consisting of the written requirements of the Work for materials, equipment, systems, standards, workmanship, and performance of related services.

1.50 *Subcontractor*: An individual or entity undertaking the execution of any part of the Work by virtue of a written agreement with the Contractor or any other Subcontractor. Also, an individual or entity retained by the Contractor or any other Subcontractor as an independent contractor to provide the labor, materials, equipment or services necessary to complete a specific portion of the Work.

1.51 *Substantial Completion Date*: Point of time when the Work or a designated portion of the Work is sufficiently complete in compliance with the Contract Documents so that the Owner can occupy or utilize the Work for its intended purpose without unscheduled disruption. Substantial Completion is documented by the date of the Certificate of Substantial Completion signed by the Owner and the Contractor.

1.52 *Superintendent*: The representative of the Contractor on the job site, authorized by the Contractor to receive and fulfill instructions from the Consultant.

1.53 *Surety*: The individual or entity that is legally bound with the Contractor and Subcontractor to insure the faithful performance of the contract and for the payment of the bills for labor, materials and equipment by the Contractor and Subcontractors.

1.54 *Work*: The construction and services, whether completed or partially completed, including all labor, materials, equipment and services provided or to be provided by the Contractor and Subcontractors to fulfill the requirements of the Project as described in the Contract Documents.

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General Conditions

Table of Contents of this General Conditions Section

1. Preconstruction Conference

1.1 The Contractor shall, upon acceptance of a contract and prior to commencing work, schedule a preconstruction conference with the Owner and Consultant. The purpose of this conference is as follows.

1.1.1 Introduce all parties who have a significant role in the Project, including:
Owner (State agency or other contracting entity)
Owner's Representative
Consultant (Architect or Engineer)
Subconsultants
Clerk-of-the-works
Contractor (GC)
Superintendent
Subcontractors
Other State agencies
Construction testing company
Commissioning agent
Special Inspections agent
Bureau of General Services (BGS);

1.1.2 Review the responsibilities of each party;

1.1.3 Review any previously-identified special provisions of the Project;

1.1.4 Review the Schedule of the Work calendar submitted by the Contractor to be approved by the Owner and Consultant;

1.1.5 Review the Schedule of Values form submitted by the Contractor to be approved by the Owner and Consultant;

1.1.6 Establish routines for Shop Drawing approval, contract changes, requisitions, et cetera;

1.1.7 discuss jobsite issues;

1.1.8 Discuss Project close-out procedures;

1.1.9 Provide an opportunity for clarification of Contract Documents before work begins; and

1.1.10 Schedule regular meetings at appropriate intervals for the review of the progress of the Work.

2. Intent and Correlation of Contract Documents

2.1 The intent of the Contract Documents is to describe the complete Project. The Contract Documents consist of various components; each component complements the others. What is shown as a requirement by any one component shall be inferred as a requirement on all corresponding components.

2.2 The Contractor shall furnish all labor, equipment and materials, tools, transportation, insurance, services, supplies, operations and methods necessary for, and reasonably incidental to, the construction and completion of the Project. Any work that deviates from the Contract Documents which appears to be required by the exigencies of construction or by inconsistencies in the Contract Documents, will be determined by the Consultant and authorized in writing by the Consultant, Owner and the Bureau prior to execution. The Contractor shall be responsible for requesting clarifying information where the intent of the Contract Documents is uncertain.

2.3 The Contractor shall not utilize any apparent error or omission in the Contract Documents to the disadvantage of the Owner. The Contractor shall promptly notify the Consultant in writing of such errors or omissions. The Consultant shall make any corrections or clarifications necessary in such a situation to document the true intent of the Contract Documents.

3. Additional Drawings and Specifications

3.1 Upon the written request of the Contractor, the Owner shall provide, at no expense to the Contractor, up to five sets of printed Drawings and Specifications for the execution of the Work.

3.2 The Consultant shall promptly furnish to the Contractor revised Drawings and Specifications, for the area of the documents where those revisions apply, when corrections or clarifications are made by the Consultant. All such information shall be consistent with, and reasonably inferred from, the Contract Documents. The Contractor shall do no work without the proper Drawings and Specifications.

4. Ownership of Contract Documents

4.1 The designs represented on the Contract Documents are the property of the Consultant. The Drawings and Specifications shall not be used on other work without consent of the Consultant.

5. Permits, Laws, and Regulations

5.1 The Owner is responsible for obtaining any zoning approvals or other similar local project approvals necessary to complete the Work, unless otherwise specified in the Contract Documents.

5.2 The Owner is responsible for obtaining Maine Department of Environmental Protection, Maine Department of Transportation, or other similar state government project approvals necessary to complete the Work, unless otherwise indicated in the Contract Documents.

5.3 The Owner is responsible for obtaining any federal agency project approvals necessary to complete the Work, unless otherwise indicated in the Contract Documents.

5.4 The Owner is responsible for obtaining all easements for permanent structures or permanent changes in existing facilities.

5.5 The Contractor is responsible for obtaining and paying for all permits and licenses necessary for the implementation of the Work. The Contractor shall notify the Owner of any delays, variance or restrictions that may result from the issuing of permits and licenses.

5.6 The Contractor shall comply with all ordinances, laws, rules and regulations and make all required notices bearing on the implementation of the Work. In the event the Contractor observes disagreement between the Drawings and Specifications and any ordinances, laws, rules and regulations, the Contractor shall promptly notify the Consultant in writing. Any necessary changes shall be made as provided in the contract for changes in the work. The Contractor shall not perform any work knowing it to be contrary to such ordinances, laws, rules and regulations.

5.7 The Contractor shall comply with local, state and federal regulations regarding construction safety and all other aspects of the Work.

5.8 The Contractor shall comply with the Maine Code of Fair Practices and Affirmative Action, 5 M.R.S. §784 (2).

6. Taxes

6.1 The Owner is exempt from the payment of Maine State sales and use taxes as provided in 36 M.R.S. §1760 (1). The Contractor and Subcontractors shall not include taxes on exempt items in the construction contract.

6.2 Section 1760 further provides in subsection 61 that sales to a construction contractor or its subcontractor of tangible personal property that is to be physically incorporated in, and become a permanent part of, real property for sale to or owned by the Owner, are exempt from Maine State sales and use taxes. Tangible personal property is defined in 36 M.R.S. §1752 (17).

6.3 The Contractor may contact Maine Revenue Services, 24 State House Station, Augusta, Maine 04333 for guidance on tax exempt regulations authorized by 36 M.R.S. §1760 and detailed in Rule 302 (18-125 CMR 302).

7. Labor and Wages

7.1 The Contractor shall conform to the labor laws of the State of Maine, and all other laws, ordinances, and legal requirements affecting the work in Maine.

7.2 The Consultant shall include a wage determination document prepared by the Maine Department of Labor in the Contract Documents for state-funded contracts in excess of $50,000. The document shows the minimum wages required to be paid to each category of labor employed on the project.

7.3 On projects requiring a Maine wage determination, the Contractor shall submit monthly payroll records to the Owner ("the contracting agency") showing the name and occupation of all workers and all independent contractors employed on the project. The monthly submission must also include the Contractor's company name, the title of the project, hours worked, hourly rate or other method of remuneration, and the actual wages or other compensation paid to each person.

7.4 The Contractor shall not reveal, in the payroll records submitted to the Owner, personal information regarding workers and independent contractors, other than the information described above. Such information shall not include Social Security number, employee identification number, or employee address or phone number, for example.

7.5 The Contractor shall conform to Maine statute (39-A M.R.S. §105-A (6)) by providing to the Workers' Compensation Board a list of all subcontractors and independent contractors on the job site and a record of the entity to whom that subcontractor or independent contractor is directly contracted and by whom that subcontractor or independent contractor is insured for workers' compensation purposes.

7.6 The Contractor shall enforce strict discipline and good order among their employees at all times, and shall not employ any person unfit or unskilled to do the work assigned to them.

7.7 The Contractor shall promptly pay all employees when their compensation is due, shall promptly pay all others who have billed and are due for materials, supplies and services used in the Work, and shall promptly pay all others who have billed and are due for insurance, workers compensation coverage, federal and state unemployment compensation, and Social Security

charges pertaining to this Project. Before final payments are made, the Contractor shall furnish to the Owner affidavits that all such payments described above have been made.

7.8 The Contractor may contact the Maine Department of Labor, 54 State House Station, Augusta, Maine 04333 for guidance on labor issues.

7.9 The Contractor may contact the Maine Workers' Compensation Board, 27 State House Station, Augusta, Maine 04333 for guidance on workers' compensation issues.

8. Indemnification

8.1 The Contractor shall indemnify and hold harmless the Owner and its officers and employees from and against any and all damages, liabilities, and costs, including reasonable attorney's fees, and defense costs, for any and all injuries to persons or property, including claims for violation of intellectual property rights, to the extent caused by the negligent acts or omissions of the Contractor, its employees, agents, officers or subcontractors in the performance of work under this Agreement. The Contractor shall not be liable for claims to the extent caused by the negligent acts or omissions of the Owner or for actions taken in reasonable reliance on written instructions of the Owner.

8.2 The Contractor shall notify the Owner promptly of all claims arising out of the performance of work under this Agreement by the Contractor, its employees or agents, officers or subcontractors.

8.3 This indemnity provision shall survive the termination of the Agreement, completion of the project or the expiration of the term of the Agreement.

9. Insurance Requirements

9.1 The Contractor shall provide, with each original of the signed Contract, an insurance certificate or certificates acceptable to the Owner and BGS. The Contractor shall submit insurance certificates to the Owner and BGS at the commencement of this Contract and at policy renewal or revision dates. The certificates shall identify the project name and BGS project number, and shall name the Owner as certificate holder and as additional insured for general liability and automobile liability coverages. The submitted forms shall contain a provision that coverage afforded under the insurance policies will not be canceled or materially changed unless at least ten days prior written notice by registered letter has been given to the Owner and BGS.

9.2 The Owner does not warrant or represent that the insurance required herein constitutes an insurance portfolio which adequately addresses all risks faced by the Contractor or its Subcontractors. The Contractor is responsible for the existence, extent and adequacy of insurance prior to commencement of work. The Contractor shall not allow any Subcontractor to commence work until all similar insurance required of the Subcontractor has been confirmed by the Contractor.

9.3 The Contractor shall procure and maintain primary insurance for the duration of the Project and, if written on a Claims-Made basis, shall also procure and maintain Extended Reporting Period (ERP) insurance for the period of time that any claims could be brought. The Contractor shall ensure that all Subcontractors they engage or employ will procure and maintain similar insurance

in form and amount acceptable to the Owner and BGS. At a minimum, the insurance shall be of the types and limits set forth herein protecting the Contractor from claims which may result from the Contractor's execution of the Work, whether such execution be by the Contractor or by those employed by the Contractor or by those for whose acts they may be liable. All required insurance coverages shall be placed with carriers authorized to conduct business in the State of Maine by the Maine Bureau of Insurance.

9.3.1 The Contractor shall have Workers' Compensation insurance for all employees on the Project site in accordance with the requirements of the Workers' Compensation law of the State of Maine. Minimum acceptable limits for Employer's Liability are:

Bodily Injury by Accident.....$500,000
Bodily Injury by Disease.....$500,000 Each Employee
Bodily Injury by Disease.....$500,000 Policy Limit

9.3.2 The Contractor shall have Commercial General Liability insurance providing coverage for bodily injury and property damage liability for all hazards of the Project including premise and operations, products and completed operations, contractual, and personal injury liabilities. The policy shall include collapse and underground coverage as well as explosion coverage if explosion hazards exist. Aggregate limits shall apply on a location or project basis. Minimum acceptable limits are:

General aggregate limit.....$2,000,000
Products and completed operations aggregate $1,000,000
Each occurrence limit.....$1,000,000
Personal injury aggregate.....$1,000,000

9.3.3 The Contractor shall have Automobile Liability insurance against claims for bodily injury, death or property damage resulting from the maintenance, ownership or use of all owned, non-owned and hired automobiles, trucks and trailers. Minimum acceptable limit is:

Any one accident or loss $500,000

9.3.4 For the portion of a project which is new construction, the Contractor shall procure and maintain Builder's Risk insurance naming the Owner, Contractor, and any Subcontractor as insureds as their interest may appear. Covered causes of loss form shall be all Risks of Direct Physical Loss, endorsed to include flood, earthquake, transit and sprinkler leakage where sprinkler coverage is applicable. Unless specifically authorized in writing by the Owner, the limit of insurance shall not be less than the initial contract amount, for the portion of the project which is new construction, and coverage shall apply during the entire contract period and until the work is accepted by the Owner.

9.3.5 The Contractor shall have Owner's Protective Liability insurance for contract values $50,000 and above, naming the Owner as the Named Insured. Minimum acceptable limits are:

General aggregate limit.....$2,000,000
Each occurrence limit.....$1,000,000

10. Contract Bonds

10.1 When noted as required in the Bid Documents, the Contractor shall provide to the Owner a Performance Bond and a Payment Bond, or "contract bonds", upon execution of the contract. Each bond value shall be for the full amount of the contract and issued by a surety company authorized to do business in the State of Maine as approved by the Owner. The bonds shall be

executed on the forms furnished in the Bid Documents. The bonds shall allow for any subsequent additions or deductions of the contract.

10.2 The contract bonds shall continue in effect for one year after final acceptance of the contract to protect the Owner's interest in connection with the one year guarantee of workmanship and materials and to assure settlement of claims for the payment of all bills for labor, materials and equipment by the Contractor.

11. Patents and Royalties

11.1 The Contractor shall, for all time, secure for the Owner the free and undisputed right to the use of any patented articles or methods used in the Work. The expense of defending any suits for infringement or alleged infringement of such patents shall be borne by the Contractor. Awards made regarding patent suits shall be paid by the Contractor. The Contractor shall hold the Owner harmless regarding patent suits that may arise due to installations made by the Contractor, and to any awards made as a result of such suits.

11.2 Any royalty payments related to the work done by the Contractor for the Project shall be borne by the Contractor. The Contractor shall hold the Owner harmless regarding any royalty payments that may arise due to installations made by the Contractor.

12. Surveys, Layout of Work

12.1 The Owner shall furnish all property surveys unless otherwise specified.

12.2 The Contractor is responsible for correctly staking out the Work on the site. The Contractor shall employ a competent surveyor to position all construction on the site. The surveyor shall run the axis lines, establish correct datum points and check each line and point on the site to insure their accuracy. All such lines and points shall be carefully preserved throughout the construction.

12.3 The Contractor shall lay out all work from dimensions given on the Drawings. The Contractor shall take measurements and verify dimensions of any existing work that affects the Work or to which the Work is to be fitted. The Contractor is solely responsible for the accuracy of all measurements. The Contractor shall verify all grades, lines, levels, elevations and dimensions shown on the Drawings and report any errors or inconsistencies to the Consultant prior to commencing work.

13. Record of Documents

13.1 The Contractor shall maintain one complete set of Contract Documents on the jobsite, in good order and current status, for access by the Owner and Consultant.

13.2 The Contractor shall maintain, continuously updated, complete records of Requests for Information, Architectural Supplemental Instructions (or equivalent), Information Bulletins, supplemental sketches, Change Order Proposals, Change Orders, Shop Drawings, testing reports, et cetera, for access by the Owner and Consultant.

14. Allowances

14.1 The Contract Price shall include all allowances described in the Contract Documents. The Contractor shall include all overhead and profit necessary to implement each allowance in their Contract Price.

14.2 The Contractor shall not be required to employ parties for allowance work against whom the Contractor has a reasonable objection. In such a case, the Contractor shall notify the Owner in writing of their position and shall propose an alternative party to complete the work of the allowance.

15. Shop Drawings

15.1 The Contractor shall administer Shop Drawings prepared by the Contractor, Subcontractors, suppliers or others to conform to the approved Schedule of the Work. The Contractor shall verify all field measurements, check and authorize all Shop Drawings and schedules required by the Work. The Contractor is the responsible party and contact for the Contractor's work as well as that of Subcontractors, suppliers or others who provide Shop Drawings.

15.2 The Consultant shall review and acknowledge Shop Drawings, with reasonable promptness, for general conformity with the design concept of the project and compliance with the information provided in the Contract Documents.

15.3 The Contractor shall provide monthly updated logs containing: requests for information, information bulletins, supplemental instructions, supplemental sketches, change order proposals, change orders, submittals, testing and deficiencies.

15.4 The Contractor shall make any corrections required by the Consultant, and shall submit a quantity of corrected copies as may be needed. The acceptance of Shop Drawings or schedules by the Consultant shall not relieve the Contractor from responsibility for deviations from Drawings and Specifications, unless the Contractor has called such deviations to the attention of the Consultant at the time of submission and secured the Consultant’s written approval. The acceptance of Shop Drawings or schedules by the Consultant does not relieve the Contractor from responsibility for errors in Shop Drawings or schedules.

16. Samples

16.1 The Contractor shall furnish for approval, with reasonable promptness, all samples as directed by the Consultant. The Consultant shall review and approve such samples, with reasonable promptness, for general conformity with the design concept of the project and compliance with the information provided in the Contract Documents. The subsequent work shall be in accord with the approved samples.

17. Substitutions

17.1 The Contractor shall furnish items and materials described in the Contract Documents. If the item or material specified describes a proprietary product, or uses the name of a manufacturer, the term “or approved equal” shall be implied, if it is not included in the text. The specific item or material specified establishes a minimum standard for the general design, level of quality, type, function, durability, efficiency, reliability, compatibility, warranty coverage, installation factors

and required maintenance. The Drawing or written Specification shall not be construed to exclude other manufacturers products of comparable design, quality, and efficiency.

17.2 The Contractor may submit detailed information about a proposed substitution to the Consultant for consideration. Particular models of items and particular materials which the Contractor asserts to be equal to the items and materials identified in the Contract Documents shall be allowed only with written approval by the Consultant. The request for substitution shall include a cost comparison and a reason or reasons for the substitution.

17.3 The Consultant may request additional information about the proposed substitution. The approval or rejection of a proposed substitution may be based on timeliness of the request, source of the information, the considerations of minimum standards described above, or other considerations. The Consultant should briefly state the rationale for the decision. The decision shall be considered final.

17.4 The duration of a substitution review process can not be the basis for a claim for delay in the Schedule of the Work.

18. Assignment of Contract

18.1 The Contractor shall not assign or sublet the contract as a whole without the written consent of the Owner. The Contractor shall not assign any money due to the Contractor without the written consent of the Owner.

19. Separate Contracts

19.1 The Owner reserves the right to create other contracts in connection with this Project using similar General Conditions. The Contractor shall allow the Owner's other contractors reasonable opportunity for the delivery and storage of materials and the execution of their work. The Contractor shall coordinate and properly connect the Work of all contractors.

19.2 The Contractor shall promptly report to the Consultant and Owner any apparent deficiencies in work of the Owner's other contractors that impacts the proper execution or results of the Contractor. The Contractor’s failure to observe or report any deficiencies constitutes an acceptance of the Owner's other contractors work as suitable for the interface of the Contractor’s work, except for latent deficiencies in the Owner's other contractors work.

19.3 Similarly, the Contractor shall promptly report to the Consultant and Owner any apparent deficiencies in their own work that would impact the proper execution or results of the Owner's other contractors.

19.4 The Contractor shall report to the Consultant and Owner any conflicts or claims for damages with the Owner's other contractors and settle such conflicts or claims for damages by mutual agreement or arbitration, if necessary, at no expense to the Owner.

19.5 In the event the Owner's other contractors sue the Owner regarding any damage alleged to have been caused by the Contractor, the Owner shall notify the Contractor, who shall defend such proceedings at the Contractor's expense. The Contractor shall pay or satisfy any judgment that may arise against the Owner, and pay all other costs incurred.

20. Subcontracts

20.1 The Contractor shall not subcontract any part of this contract without the written permission of the Owner.

20.2 The Contractor shall submit a complete list of named Subcontractors and material suppliers to the Consultant and Owner for approval by the Owner prior to commencing work. The Subcontractors named shall be reputable companies of recognized standing with a record of satisfactory work.

20.3 The Contractor shall not employ any Subcontractor or use any material until they have been approved, or where there is reason to believe the resulting work will not comply with the Contract Documents.

20.4 The Contractor, not the Owner, is as fully responsible for the acts and omissions of Subcontractors and of persons employed by them, as the Contractor is for the acts and omissions of persons directly or indirectly employed by the Contractor.

20.5 Neither the Contract Documents nor any Contractor-Subcontractor contract shall indicate, infer or create any direct contractual relationship between any Subcontractor and the Owner.

21. Contractor-Subcontractor Relationship

21.1 The Contractor shall be bound to the Subcontractor by all the obligations in the Contract Documents that bind the Contractor to the Owner.

21.2 The Contractor shall pay the Subcontractor, in proportion to the dollar value of the work completed and requisitioned by the Subcontractor, the approved dollar amount allowed to the Contractor no more than seven days after receipt of payment from the Owner.

21.3 The Contractor shall pay the Subcontractor accordingly if the Contract Documents or the subcontract provide for earlier or larger payments than described in the provision above.

21.4 The Contractor shall pay the Subcontractor for completed and requisitioned subcontract work, less retainage, no more than seven days after receipt of payment from the Owner for the Contractor's approved Requisition for Payment, even if the Consultant fails to certify a portion of the Requisition for Payment for a cause not the fault of the Subcontractor.

21.5 The Contractor shall not make a claim for liquidated damages or penalty for delay in any amount in excess of amounts that are specified by the subcontract.

21.6 The Contractor shall not make a claim for services rendered or materials furnished by the Subcontractor unless written notice is given by the Contractor to the Subcontractor within ten calendar days of the day in which the claim originated.

21.7 The Contractor shall give the Subcontractor an opportunity to present and to submit evidence in any progress conference or disputes involving subcontract work.

21.8 The Contractor shall pay the Subcontractor a just share of any fire insurance payment received by the Contractor.

21.9 The Subcontractor shall be bound to the Contractor by the terms of the Contract Documents and assumes toward the Contractor all the obligations and responsibilities that the Contractor, by those documents, assumes toward the Owner.

21.10 The Subcontractor shall submit applications for payment to the Contractor in such reasonable time as to enable the Contractor to apply for payment as specified.

21.11 The Subcontractor shall make any claims for extra cost, extensions of time or damages, to the Contractor in the manner provided in these General Conditions for like claims by the Contractor to the Owner, except that the time for the Subcontractor to make claims for extra cost is seven calendar days after the receipt of Consultant's instructions.

22. Supervision of the Work

22.1 During all stages of the Work the Contractor shall have a competent superintendent, with any necessary assistant superintendents, overseeing the project. The superintendent shall not be reassigned without the consent of the Owner unless a superintendent ceases to be employed by the Contractor due to unsatisfactory performance.

22.2 The superintendent represents the Contractor on the jobsite. Directives given by the Consultant or Owner to the superintendent shall be as binding as if given directly to the Contractor's main office. All important directives shall be confirmed in writing to the Contractor. The Consultant and Owner are not responsible for the acts or omissions of the superintendent or assistant superintendents.

22.3 The Contractor shall provide supervision of the Work equal to the industry's highest standard of care. The superintendent shall carefully study and compare all Contract Documents and promptly report any error, inconsistency or omission discovered to the Consultant. The Contractor may not necessarily be held liable for damages resulting directly from any error, inconsistency or omission in the Contract Documents or other instructions by the Consultant that was not revealed by the superintendent in a timely way.

23. Observation of the Work

23.1 The Contractor shall allow the Owner, the Consultant and the Bureau continuous access to the site for the purpose of observation of the progress of the work. All necessary safeguards and accommodations for such observations shall be provided by the Contractor.

23.2 The Contractor shall coordinate all required testing, approval or demonstration of the Work. The Contractor shall give sufficient notice to the appropriate parties of readiness for testing, inspection or examination.

23.3 The Contractor shall schedule inspections and obtain all required certificates of inspection for inspections by a party other than the Consultant.

23.4 The Consultant shall make all scheduled observations promptly, prior to the work being concealed or buried by the Contractor. If approval of the Work is required of the Consultant, the Contractor shall notify the Consultant of the construction schedule in this regard. Work concealed or buried prior to the Consultant's approval may need to be uncovered at the Contractor's expense.

23.5 The Consultant may order reexamination of questioned work, and, if so ordered, the work must be uncovered by the Contractor. If the work is found to conform to the Contract Documents, the Owner shall pay the expense of the reexamination and remedial work. If the work is found to not conform to the Contract Documents, the Contractor shall pay the expense, unless the defect in the work was caused by the Owner's Contractor, whose responsibility the reexamination expense becomes.

23.6 The Bureau shall periodically observe the Work during the course of construction and make recommendations to the Contractor or Consultant as necessary. Such recommendations shall be considered and implemented through the usual means for changes to the Work.

24. Consultant's Status

24.1 The Consultant represents the Owner during the construction period, and observes the work in progress on behalf of the Owner. The Consultant has authority to act on behalf of the Owner only to the extent expressly provided by the Contract Documents or otherwise demonstrated to the Contractor. The Consultant has authority to stop the work whenever such an action is necessary, in the Consultant's reasonable opinion, to ensure the proper execution of the contract.

24.2 The Consultant is the interpreter of the conditions of the contract and the judge of its performance. The Consultant shall favor neither the Owner nor the Contractor, but shall use the Consultant's powers under the contract to enforce faithful performance by both parties.

24.3 In the event of the termination of the Consultant's employment on the project prior to completion of the work, the Owner shall appoint a capable and reputable replacement. The status of the new Consultant relative to this contract shall be that of the former Consultant.

25. Management of the Premises

25.1 The Contractor shall place equipment and materials, and conduct activities on the premises in a manner that does not unreasonably hinder site circulation, environmental stability, or any long term effect. Likewise, the Consultant's directions shall not cause the use of premises to be impeded for the Contractor or Owner.

25.2 The Contractor shall not use the premises for any purpose other than that which is directly related to the scope of work. The Owner shall not use the premises for any purpose incompatible with the proposed work simultaneous to the work of the Contractor.

25.3 The Contractor shall enforce the Consultant's instructions regarding information posted on the premises such as signage and advertisements, as well as activities conducted on the premises such as fires, and smoking.

25.4 The Owner may occupy any part of the Project that is completed with the written consent of the Contractor, and without prejudice to any of the rights of the Owner or Contractor. Such use or occupancy shall not, in and of itself, be construed as a final acceptance of any work or materials.

26. Safety and Security of the Premises

26.1 The Contractor shall designate, and make known to the Consultant and the Owner, a safety officer whose duty is the prevention of accidents on the site.

26.2 The Contractor shall continuously maintain security on the premises and protect from unreasonable occasion of injury all people authorized to be on the job site. The Contractor shall also effectively protect the property and adjacent properties from damage or loss.

26.3 The Contractor shall take all necessary precautions to ensure the safety of workers and others on and adjacent to the site, abiding by applicable local, state and federal safety regulations. The Contractor shall erect and continuously maintain safeguards for the protection of workers and others, and shall post signs and other warnings regarding hazards associated with the construction process, such as protruding fasteners, moving equipment, trenches and holes, scaffolding, window, door or stair openings, and falling materials.

26.4 The Contractor shall restore the premises to conditions that existed prior to the start of the project at areas not intended to be altered according to the Contract Documents.

26.5 The Contractor shall protect existing utilities and exercise care working in the vicinity of utilities shown in the Drawings and Specifications or otherwise located by the Contractor.

26.6 The Contractor shall protect from damage existing trees and other significant plantings and landscape features of the site which will remain a permanent part of the site. If necessary or indicated in the Contract Documents, tree trunks shall be boxed and barriers erected to prevent damage to tree branches or roots.

26.7 The Contractor shall repair or replace damage to the Work caused by the Contractor's or Subcontractor's forces, including that which is reasonably protected, at the expense of the responsible party.

26.8 The Contractor shall not load, or allow to be loaded, any part of the Project with a force which imperils personal or structural safety. The Consultant may consult with the Contractor on such means and methods of construction, however, the ultimate responsibility lies with the Contractor.

26.9 The Contractor shall not jeopardize any work in place with subsequent construction activities such as blasting, drilling, excavating, cutting, patching or altering work. The Consultant must approve altering any structural components of the project. The Contractor shall supervise all construction activities carried out by others on site to ensure that the work is neatly done and in a manner that will not endanger the structure or the component parts.

26.10 The Contractor may act with their sole discretion in emergency situations that potentially effect health, life or serious damage to the premises or adjacent properties, to prevent such potential loss or injury. The Contractor may negotiate with the Owner for compensation for expenses due to such emergency work.

26.11 The Contractor and Subcontractors shall have no responsibility for the identification, discovery, presence, handling, removal or disposal of, or exposure of persons to, hazardous materials in any form at the project site. The Contractor shall avoid disruption of any hazardous materials or toxic substances at the project site and promptly notify the Owner in writing on the occasion of such a discovery.

26.12 The Contractor shall keep the premises free of any unsafe accumulation of waste materials caused by the work. The Contractor shall regularly keep the spaces "broom clean". See the Close-out of the Work provisions of this section regarding cleaning at the completion of the project.

27. Changes in the Work

27.1 The Contractor shall not proceed with extra work without an approved Change Order or Construction Change Directive. A Change Order which has been properly signed by all parties shall become a part of the contract.

27.2 A Change Order is the usual document for directing changes in the Work. In certain circumstances, however, the Owner may utilize a Construction Change Directive to direct the Contractor to perform changes in the Work that are generally consistent with the scope of the project. The Owner shall use a Construction Change Directive only when the normal process for approving changes to the Work has failed to the detriment of the Project, or when agreement on the terms of a Change Order cannot be met, or when an urgent situation requires, in the Owner's judgment, prompt action by the Contractor.

27.3 The Consultant shall prepare the Construction Change Directive representing a complete scope of work, with proposed Contract Price and Contract Time revisions, if any, clearly stated.

27.4 The Contractor shall promptly carry out a Construction Change Directive which has been signed by the Owner and the Consultant. Work thus completed by the Contractor constitutes the basis for a Change Order. Changes in the Contract Price and Contract Time shall be as defined in the Construction Change Directive unless subsequently negotiated with some other terms.

27.5 The method of determining the dollar value of extra work shall be by:
- .1 an estimate of the Contractor accepted by Owner as a lump sum, or
- .2 unit prices named in the contract or subsequently agreed upon, or
- .3 cost plus a designated percentage, or
- .4 cost plus a fixed fee.

27.6 The Contractor shall determine the dollar value of the extra work for both the lump sum and cost plus designated percentage methods so as not to exceed the following rates. The rates include all overhead and profit expenses.
- .1 Contractor - for any work performed by the Contractor's own forces, up to 20% of the cost;
- .2 Subcontractor - for work performed by Subcontractor's own forces, up to 20% of the cost;
- .3 Contractor - for work performed by Contractor's Subcontractor, up to 10% of the amount due the Subcontractor.

27.7 The Contractor shall keep and provide records as needed or directed for the cost plus designated percentage method. The Consultant shall review and certify the appropriate amount which

includes the Contractor's overhead and profit. The Owner shall make payments based on the Consultant's certificate.

27.8 Cost reflected in Change Orders shall be limited to the following: cost of materials, cost of delivery, cost of labor (including Social Security, pension, Workers' Compensation insurance, and unemployment insurance), and cost of rental of power tools and equipment. Labor cost may include a pro-ratio share of a foreman's time only in the case of an extension of contract time granted due to the Change Order.

27.9 Overhead reflected in Change Orders shall be limited to the following: bond premium, supervision, wages of clerks, time keepers, and watchmen, small tools, incidental expenses, general office expenses, and all other overhead expenses directly related to the Change Order.

27.10 The Contractor shall provide credit to the Owner for labor, materials, equipment and other costs but not overhead and profit expenses for those Change Order items that result in a net value of credit to the contract.

27.11 The Owner may change the scope of work of the Project without invalidating the contract. The Owner shall notify the Contractor of a change of the scope of work for the Owner's Contractors, which may affect the work of this Contractor, without invalidating the contract. Change Orders for extension of the time caused by such changes shall be developed at the time of directing the change in scope of work.

27.12 The Consultant may order minor changes in the Work, not involving extra cost, which is consistent with the intent of the design or project.

27.13 The Contractor shall immediately give written notification to the Consultant of latent conditions discovered at the site which materially differ from those represented in the Drawings or Specifications, and which may eventually result in a change in the scope of work. The Contractor shall suspend work until receiving direction from the Consultant. The Consultant shall promptly investigate the conditions and respond to the Contractor's notice with direction that avoids any unnecessary delay of the Work. The Consultant shall determine if the discovered conditions warrant a Change Order.

27.14 The Contractor shall, within ten calendar days of receipt of the information, give written notification to the Consultant if the Contractor claims that instructions by the Consultant will constitute extra cost not accounted for by Change Order or otherwise under the contract. The Consultant shall promptly respond to the Contractor's notice with direction that avoids any unnecessary delay of the Work. The Consultant shall determine if the Contractor's claim warrants a Change Order.

28. Correction of the Work

28.1 The Contractor shall promptly remove from the premises all work the Consultant declares is non-conforming to the contract. The Contractor shall replace the work properly at no expense to the Owner. The Contractor is also responsible for the expenses of others whose work was damaged or destroyed by such remedial work.

28.2 The Owner may elect to remove non-conforming work if it is not removed by the Contractor within a reasonable time, that time defined in a written notice from the Consultant. The Owner may elect to store removed non-conforming work not removed by the Contractor at the Contractor's expense. The Owner may, with ten days written notice, dispose of materials which the Contractor does not remove. The Owner may sell the materials and apply the net proceeds, after deducting all expenses, to the costs that should have been borne by the Contractor.

28.3 The Contractor shall remedy any defects due to faulty materials or workmanship and pay for any related damage to other work which appears within a period of one year from the date of substantial completion, and in accord with the terms of any guarantees provided in the contract. The Owner shall promptly give notice of observed defects to the Contractor and Consultant. The Consultant shall determine the status of all claimed defects. The Contractor shall perform all remedial work without unjustifiable delay in either the initial response or the corrective action.

28.4 The Consultant may authorize, after a reasonable notification to the Contractor, an equitable deduction from the contract amount in lieu of the Contractor correcting non-conforming or defective work.

29. Owner's Right to do Work

29.1 The Owner may, using other contractors, correct deficiencies attributable to the Contractor, or complete unfinished work. Such action shall take place only after giving the Contractor three days written notice, and provided the Consultant approves of the proposed course of action as an appropriate remedy. The Owner may then deduct the cost of the remedial work from the amount due the Contractor.

29.2 The Owner may act with their sole discretion when the Contractor is unable to take action in emergency situations that potentially effect health, life or serious damage to the premises or adjacent properties, to prevent such potential loss or injury. The Owner shall inform the Contractor of the emergency work performed, particularly where it may affect the work of the Contractor.

30. Termination of Contract and Stop Work Action

30.1 The Owner may, owing to a certificate of the Consultant indicating that sufficient cause exists to justify such action, without prejudice to any other right or remedy and after giving the Contractor and the Contractor’s surety seven days written notice, terminate the employment of the Contractor. At that time the Owner may take possession of the premises and of all materials,

tools and appliances on the premises and finish the work by whatever method the Owner may deem expedient. Cause for such action by the Owner includes:

.1 the contractor is adjudged bankrupt, or makes a general assignment for the benefit of its creditors, or

.2 a receiver is appointed due to the Contractor's insolvency, or

.3 the Contractor persistently or repeatedly refuses or fails to provide enough properly skilled workers or proper materials, or

.4 the Contractor fails to make prompt payment to Subcontractors or suppliers of materials or labor, or

.5 the Contractor persistently disregards laws, ordinances or the instructions of the Consultant, or is otherwise found guilty of a substantial violation of a provision of the Contract Documents.

30.2 The Contractor is not entitled, as a consequence of the termination of the employment of the Contractor as described above, to receive any further payment until the Work is finished. If the unpaid balance of the contract amount exceeds the expense of finishing the Work, including compensation for additional architectural, managerial and administrative services, such balance shall be paid to the Contractor. If the expense of finishing the Work exceeds the unpaid balance, the Contractor shall pay the difference to the Owner. The Consultant shall certify the expense incurred by the Contractor's default. This obligation for payment shall continue to exist after termination of the contract.

30.3 The Contractor may, if the Work is stopped by order of any court or other public authority for a period of thirty consecutive days, and through no act or fault of the Contractor or of anyone employed by the Contractor, with seven days written notice to the Owner and the Consultant, terminate this contract. The Contractor may then recover from the Owner payment for all work executed, any proven loss and reasonable profit and damage.

30.4 The Contractor may, if the Consultant fails to issue a certificate for payment within seven days after the Contractor's formal request for payment, through no fault of the Contractor, or if the Owner fails to pay to the Contractor within 30 days after submission of any sum certified by the Consultant, with seven days written notice to the Owner and the Consultant, stop the Work or terminate this Contract.

31. Delays and Extension of Time

31.1 The completion date of the contract shall be extended if the work is delayed by changes ordered in the work which have approved time extensions, or by an act or neglect of the Owner, the Consultant, or the Owner's Contractor, or by strikes, lockouts, fire, flooding, unusual delay in transportation, unavoidable casualties, or by other causes beyond the Contractor's control. The Consultant shall determine the status of all claimed causes.

31.2 The contract shall not be extended for delay occurring more than seven calendar days before the Contractor's claim made in writing to the Consultant. In case of a continuing cause of delay, only one claim is necessary.

31.3 The contract shall not be extended due to failure of the Consultant to furnish drawings if no schedule or agreement is made between the Contractor and the Consultant indicating the dates

which drawings shall be furnished and fourteen calendar days has passed after said date for such drawings.

31.4 This article does not exclude the recovery of damages for delay by either party under other provisions in the Contract Document.

32. Payments to the Contractor

32.1 As noted under *Preconstruction Conference* in this section, the Contractor shall submit a Schedule of Values form, before the first application for payment, for approval by the Owner and Consultant. The Consultant may direct the Contractor to provide evidence that supports the correctness of the form. The approved Schedule of Values shall be used as a basis for payments.

32.2 The Contractor shall submit an application for each payment ("Requisition for Payment") on a form approved by the Owner and Consultant. The Consultant may require receipts or other documents showing the Contractor's payments for materials and labor, including payments to Subcontractors.

32.3 The Contractor shall submit Requisitions for Payment as the work progresses not more frequently than once each month, unless the Owner approves a more frequent interval due to unusual circumstances. The Requisition for Payment is based on the proportionate quantities of the various classes of work completed or incorporated in the Work, in agreement with the actual progress of the Work and the dollar value indicated in the Schedule of Values.

32.4 The Consultant shall verify and certify each Requisition for Payment which appears to be complete and correct prior to payment being made by the Owner. The Consultant may certify an appropriate amount for materials not incorporated in the Work which have been delivered and suitably stored at the site. The Contractor shall submit bills of sale, insurance certificates, or other such documents that will adequately protect the Owner's interests prior to payments being certified.

32.5 In the event any materials delivered but not yet incorporated in the Work have been included in a certified Requisition for Payment with payment made, and said materials thereafter are damaged, deteriorated or destroyed, or for any reason whatsoever become unsuitable or unavailable for use in the Work, the full amount previously allowed shall be deducted from subsequent payments unless the Contractor satisfactorily replaces said material.

32.6 The Contractor may request certification of an appropriate dollar amount for materials not incorporated in the Work which have been delivered and suitably stored away from the site. The Contractor shall submit bills of sale, insurance certificates, right-of-entry documents or other such documents that will adequately protect the Owner's interests. The Consultant shall determine if the Contractor's documentation for the materials is complete and specifically designated for the Project. The Owner may allow certification of such payments.

32.7 Subcontractors may request, and shall receive from the Consultant, copies of approved Requisitions for Payment showing the amounts certified in the Schedule of Values.

32.8 Certified Requisitions for Payment, payments made to the Contractor, or partial or entire occupancy of the project by the Owner shall not constitute an acceptance of any work that does

not conform to the Contract Documents. The making and acceptance of the final payment constitutes a waiver of all claims by the Owner, other than those arising from unsettled liens, from faulty work or materials appearing within one year from final payment or from requirements of the Drawings and Specifications, and of all claims by the Contractor, except those previously made and still unsettled.

33. Payments Withheld

33.1 The Owner shall retain five percent of each payment due the Contractor as part security for the fulfillment of the contract by the Contractor. The Owner may make payment of a portion of this "retainage" to the Contractor temporarily or permanently during the progress of the Work. The Owner may thereafter withhold further payments until the full amount of the five percent is reestablished. The Contractor may deposit with the Maine State Treasurer certain securities in place of retainage amounts due according to Maine Statute (5 M.R.S. §1746).

33.2 The Consultant may withhold or nullify the whole or a portion of any Requisitions for Payment submitted by the Contractor in the amount that may be necessary, in his reasonable opinion, to protect the Owner from loss due to any of the following:

.1 defective work not remedied;
.2 claims filed or reasonable evidence indicating probable filing of claims;
.3 failure to make payments properly to Subcontractors or suppliers;
.4 a reasonable doubt that the contract can be completed for the balance then unpaid;
.5 liability for damage to another contractor.

The Owner shall make payment to the Contractor, in the amount withheld, when the above circumstances are removed.

34. Liens

34.1 The Contractor shall deliver to the Owner a complete release of all liens arising out of this contract before the final payment or any part of the retainage payment is released. The Contractor shall provide with the release of liens an affidavit asserting each release includes all labor and materials for which a lien could be filed. Alternately, the Contractor, in the event any Subcontractor or supplier refuses to furnish a release of lien in full, may furnish a bond satisfactory to the Owner, to indemnify the Owner against any lien.

34.2 In the event any lien remains unsatisfied after all payments to the Contractor are made by the Owner, the Contractor shall refund to the Owner all money that the latter may be compelled to pay in discharging such lien, including all cost and reasonable attorney's fees.

35. Workmanship

35.1 The Contractor shall provide materials, equipment, and installed work equal to or better than the quality specified in the Contract Documents and approved in submittal and sample. The installation methods shall be of the highest standards, and the best obtainable from the respective trades. The Consultant's decision on the quality of work shall be final.

35.2 The Contractor shall know local labor conditions for skilled and unskilled labor in order to apply the labor appropriately to the Work. All labor shall be performed by individuals well skilled in their respective trades.

35.3 The Contractor shall perform all cutting, fitting, patching and placing of work in such a manner to allow subsequent work to fit properly, whether that be by the Contractor, the Owner's Contractors or others. The Owner and Consultant may advise the Contractor regarding such subsequent work. Notwithstanding the notification or knowledge of such subsequent work, the Contractor may be directed to comply with this standard of compatible construction by the Consultant at the Contractor's expense.

35.4 The Contractor shall request clarification or revision of any design work by the Consultant, prior to commencing that work, in a circumstance where the Contractor believes the work cannot feasibly be completed at the highest quality, or as indicated in the Contract Documents. The Consultant shall respond to such requests in a timely way, providing clarifying information, a feasible revision, or instruction allowing a reduced quality of work. The Contractor shall follow the direction of the Consultant regarding the required request for information.

35.5 The Contractor shall guarantee the Work against any defects in workmanship and materials for a period of one year commencing with the date of the Certificate of Substantial Completion, unless specified otherwise for specific elements of the project. The Work may also be subdivided in mutually agreed upon components, each defined by a separate Certificate of Substantial Completion.

36. Close-out of the Work

36.1 The Contractor shall remove from the premises all waste materials caused by the work. The Contractor shall make the spaces “broom clean” unless a more thorough cleaning is specified. The Contractor shall clean all windows and glass immediately prior to the final inspection, unless otherwise directed.

36.2 The Owner may conduct the cleaning of the premises where the Contractor, duly notified by the Consultant, fails to adequately complete the task. The expense of this cleaning may be deducted from the sum due to the Contractor.

36.3 The Contractor shall participate in all final inspections and acknowledge the documentation of unsatisfactory work, customarily called the "punch list", to be corrected by the Contractor. The Consultant shall document the successful completion of the Work in a dated Certificate of Substantial Completion, to be signed by Owner, Consultant, and Contractor.

36.4 The Contractor shall not call for final inspection of any portion of the Work that is not completely and permanently installed. The Contractor may be found liable for the expenses of individuals called to final inspection meetings prematurely.

36.5 The Contractor and all major Subcontractors shall participate in the end-of-warranty-period conference, typically scheduled close to one year after the Substantial Completion date.

37. Date of Completion and Liquidated Damages

37.1 The Contractor may make a written request to the Owner for an extension or reduction of time, if necessary. The request shall include the reasons the Contractor believes justifies the proposed completion date. The Owner may grant the revision of the contract completion date if the Work was delayed due to conditions beyond the control and the responsibility of the Contractor. The Contractor shall not conduct unauthorized accelerated work or file delay claims to recover alleged damages for unauthorized early completion.

37.2 The Contractor shall vigorously pursue the completion of the Work and notify the Owner of any factors that have, may, or will affect the approved Schedule of the Work. The Contractor may be found responsible for expenses of the Owner or Consultant if the Contractor fails to make notification of project delays.

37.3 The Project is planned to be done in an orderly fashion which allows for an iterative submittal review process, construction administration including minor changes in the Work and some bad weather. The Contractor shall not file delay claims to recover alleged damages on work the Consultant determines has followed the expected rate of progress.

37.4 The Consultant shall prepare the Certificate of Substantial Completion which, when signed by the Owner and the Contractor, documents the date of Substantial Completion of the Work or a designated portion of the Work. The Owner shall not consider the issuance of a Certificate of Occupancy by an outside authority a prerequisite for Substantial Completion if the Certificate of Occupancy cannot be obtained due to factors beyond the Contractor's control.

37.5 Liquidated Damages may be deducted from the sum due to the Contractor for each calendar day that the Work remains uncompleted after the completion date specified in the Contract or an approved amended completion date. The dollar amount per day shall be calculated using the Schedule of Liquidated Damages table shown below.

If the original contract amount is:	The per day Liquidated Damages shall be:
Less than $100,000	$250
$100,000 to less than $2,000,000	$750
$2,000,000 to less than $10,000,000	$1,500
$10,000,000 and greater	$1,500 plus $250 for each $2,000,000 over $10,000,000

38. Dispute Resolution

38.1 Mediation

38.1.1 A dispute between the parties which arises under this Contract which cannot be resolved through informal negotiation, shall be submitted to a neutral mediator jointly selected by the parties.

38.1.2 Either party may file suit before or during mediation if the party, in good faith, deems it to be necessary to avoid losing the right to sue due to a statute of limitations. If suit is filed before good faith mediation efforts are completed, the party filing suit shall agree to stay all proceedings in the lawsuit pending completion of the mediation process, provided such stay is without prejudice.

38.1.3 In any mediation between the Owner and the Consultant, the Owner has the right to consolidate related claims between Owner and Contractor.

38.2 Arbitration

38.2.1 If the dispute is not resolved through mediation, the dispute shall be settled by arbitration. The arbitration shall be conducted before a panel of three arbitrators. Each party shall select one arbitrator; the third arbitrator shall be appointed by the arbitrators selected by the parties. The arbitration shall be conducted in accordance with the Maine Uniform Arbitration Act (MUAA), except as otherwise provided in this section.

38.2.2 The decision of the arbitrators shall be final and binding upon all parties. The decision may be entered in court as provided in the MUAA.

38.2.3 The costs of the arbitration, including the arbitrators' fees shall be borne equally by the parties to the arbitration, unless the arbitrator orders otherwise.

38.2.4 In any arbitration between the Owner and the Consultant, the Owner has the right to consolidate related claims between Owner and Contractor.

00 73 46
Wage Determination Schedule

PART 1- GENERAL

1.1 Related Documents

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specifications Sections, apply to this Section.

1.2 Summary

A. This Section includes the wage determination requirements for Contractors as issued by the State of Maine Department of Labor Bureau of Labor Standards or the United States Department of Labor.

1.3 Requirements

A. Conform to the wage determination schedule for this project which is shown on the following page.

1.4 Prevailing Wage Determination

A. Each construction project funded in whole or in part by State funds and for which the contract amounts to $50,000 or more is required to have a prevailing wage determination attached to the bid document. Each determination includes the minimum hourly wages and benefits the construction workers are to receive while working on that particular project. The official determination must be posted at the work site where the wages apply.

1.5 Certified Payroll

A. Certified payroll information must be submitted each payroll period by those companies required to pay State of Maine Prevailing Wage. Covered contractors and subcontractors performing work on state funded projects must furnish a statement with respect to the wages paid each employee during the preceding pay period. Contractors must submit a copy of all payrolls to the general contractor and the letting agency, accompanied by a signed "Statement of Compliance" indicating that the payrolls are correct and complete proving each laborer or mechanic has been paid not less than the proper Prevailing Wage rate for the work performed.

The proper completion and submission of the Certified Payroll Form meets that requirement. The Bureau of Labor Standards reviews the information to determine that employees have received legally required wages and fringe benefits. The Certified Payroll Form is included as Attachment

PART 2 - PRODUCTS (not used)

00 73 46
Wage Determination Schedule

PART 3 - EXECUTION (not used)

2024 Fair Minimum Wage Rates -- Building 2 Kennebec County (other than 1 or 2 family homes)

Occupational Title	Minimum Wage	Minimum Benefit	Total
Brickmasons And Blockmasons	$42.55	$28.02	$70.57
Bulldozer Operator	$31.50	$7.53	$39.03
Carpenter	$29.68	$12.51	$42.19
Cement Masons And Concrete Finisher	$24.13	$4.15	$28.28
Commercial Divers	$30.00	$4.62	$34.62
Construction And Maintenance Painters	$24.00	$0.00	$24.00
Construction Laborer	$22.67	$2.80	$25.47
Crane And Tower Operators	$38.50	$10.43	$48.93
Crushing Grinding And Polishing Machine Operators	$23.00	$4.94	$27.94
Drywall And Ceiling Tile Installers	$26.20	$10.62	$36.82
Earth Drillers - Except Oil And Gas	$21.61	$5.53	$27.14
Electrical Power - Line Installer And Repairers	$38.93	$8.91	$47.84
Electricians	$38.51	$6.00	$44.51
Elevator Installers And Repairers	$68.38	$45.29	$113.67
Excavating And Loading Machine And Dragline Operators	$54.28	$34.31	$88.59
Excavator Operator	$28.00	$1.67	$29.67
Fence Erectors	$26.75	$4.05	$30.80
Flaggers	$20.00	$0.38	$20.38
Floor Layers - Except Carpet/Wood/Hard Tiles	$27.25	$6.59	$33.84
Glaziers	$37.00	$6.60	$43.60
Grader/Scraper Operator	$23.00	$1.99	$24.99
Hazardous Materials Removal Workers	$21.00	$1.99	$22.99
Heating And Air Conditioning And Refrigeration Mechanics And Installers	$32.00	$5.60	$37.60
Heavy And Tractor - Trailer Truck Drivers	$22.75	$1.04	$23.79
Highway Maintenance Workers	$20.00	$0.00	$20.00
Industrial Machinery Mechanics	$31.25	$1.01	$32.26
Industrial Truck And Tractor Operators	$29.25	$4.06	$33.31
Insulation Worker - Mechanical	$23.00	$3.59	$26.59
Ironworker - Ornamental	$30.83	$24.97	$55.80
Light Truck Or Delivery Services Drivers	$23.34	$1.67	$25.01
Millwrights	$33.75	$8.78	$42.53
Mobile Heavy Equipment Mechanics - Except Engines	$27.75	$4.89	$32.64
Operating Engineers And Other Equipment Operators	$24.00	$2.38	$26.38
Paver Operator	$27.03	$6.49	$33.52
Pile-Driver Operators	$32.75	$1.95	$34.70
Pipelayers	$28.50	$4.89	$33.39
Plumbers Pipe Fitters And Steamfitters	$29.50	$5.48	$34.98
Pump Operators - Except Wellhead Pumpers	$31.49	$32.08	$63.57
Radio Cellular And Tower Equipment Installers	$26.00	$3.77	$29.77
Reclaimer Operator	$27.03	$7.68	$34.71
Reinforcing Iron And Rebar Workers	$30.83	$24.97	$55.80
Riggers	$29.25	$7.79	$37.04
Roofers	$23.75	$3.11	$26.86
Screed/Wheelman	$29.25	$4.94	$34.19
Sheet Metal Workers	$25.00	$5.35	$30.35
Structural Iron And Steel Workers	$30.08	$7.61	$37.69
Tapers	$32.63	$0.00	$32.63
Telecommunications Equipment Installers And Repairers - Except Line Installers	$28.00	$6.35	$34.35
Telecommunications Line Installers And Repairers	$31.03	$18.73	$49.76
Tile And Marble Setters	$27.75	$6.73	$34.48

End of Section 00 73 46

ALLOWANCES

SECTION 01 21 00

PART 1 – GENERAL

1.1 GENERAL PROVISIONS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

B. Examine all other Sections of the Specifications for requirements that affect work of this Section whether or not such work is specifically mentioned in this Section.

C. Coordinate work with that of all other trades affecting or affected by work of this Section. Cooperate with such trades to assure the steady progress of all work under the Contract.

1.2 SCOPE OF WORK

A. In general, the Contractor shall supply all labor, equipment, temporary protection, tools, and appliances necessary for the proper completion of the work as required in the Specifications, in accordance with good construction practice, and as required by the materials manufacturer, as amended.

B. The Allowances for items of Work, as set forth in the Schedule of Allowances, shall be included in the Contract Amount when changes in the Work involving said items are made in accordance with the Contract Documents.

C. Materials, methods of installation, and definitions of terms set forth under the various Allowance items in the Schedule of Allowances shall be as indicated in the Contract Documents.

D. The successful Bidder shall coordinate related work and modify or adjust adjacent work as necessary to ensure that work affected by each Allowance Item is complete and fully integrated into the project.

E. The specific quantities of Allowance Work included in the Base Bid are provided herein. This applies to items whose exact quantities are unknown but are anticipated to exist, for example, additional asbestos containing material abatement or lead based paint removal.

F. The quantities of Allowance Work listed in this Section and the bid and contract forms **are in addition to the quantities shown on Ransom's "Hazardous Building Materials Inventory Rev 1, Former Maine State Hospital: Stone Building, 67 Independence Drive, Augusta, Maine," dated January 31, 2023 attached to these project specifications (Attachment B).**

1.3 ALLOWANCE FOR PRODUCTS AND SERVICES

Section contains instructions that relate to an Allowance to be included in the Contract sum. Owner may elect certain aspects of work that cannot be determined at this time.

A. The amount of the allowance includes:

1. The cost of the product or services to the Contractor, less any applicable trade discount.
2. Removal and appropriate disposal of the material from the site.
3. Labor required under the allowance to perform the work.
4. Applicable taxes.
5. Applicable Contractor mark-up.

B. Refer to Part 4.1 – Schedule of Allowances for additional information regarding scope of work to be included within the Contractor's base bid scope of work that is in addition to quantities shown in the Contract Drawings.

1.4 SELECTION OF PRODUCTS UNDER ALLOWANCE

A. Owner's duties:
1. Consult with Contractor in consideration of work, products and suppliers, or installers.
2. Make selection designating:
   a. Product, model, finish.
   b. Accessories and attachments.
   c. Supplier and installer, as applicable.
   d. Cost to contractor, delivered to the site or installed, as applicable.
   e. Manufacturer's warranties.
   f. Define scope of additional work.
3. Transmit decision to Contractor.
4. Prepare Field Directive and Authorization of Cost Proposal.

B. Contractor's duties:
1. Assist Owner in determining qualified suppliers or installers.
2. Obtain proposals from suppliers and installers when requested by Owner.
3. Make appropriate recommendations for consideration of Owner.
4. Notify Owner promptly of:
   a. Any reasonable objections Contractor may have against any supplier or party under consideration for installation.
   b. Any effect on the construction schedule anticipated by selections under consideration.

1.5 ADJUSTMENT OF COSTS

A. Upon determination of scope of repairs by Owner, submit cost proposal in accordance with Contract Conditions.

B. Should the net cost be more than the specified amount of the allowance, the Contract Sum will be adjusted accordingly by Change Order.

C. Should the net cost be less than the specific amount of the allowance, the Contract Sum will be adjusted accordingly by the Change Order.

D. Submit documentation for actual additional costs at the site or other expenses caused by the selection under the allowance, within thirty (30) days after completion of execution of the work.

E. Failure to submit claims within the designated time will constitute a waiver of claims for additional costs.

F. At Contract closeout, reflect all approved authorizations of allowance funds in the final statement of accounting.

1.6 UNUSED MATERIALS

A. Return unused materials to the manufacturer or supplier for credit to the Owner, after installation has been completed and accepted.

B. Where it is not economically feasible to return unused material for credit and when requested by the Architect, prepare unused material for the Owner's storage, and deliver to the Owner's storage space as directed. Otherwise, disposal of excess material is the Contractor's responsibility.

1.7 WARRANTY

A. Manufacturer's Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty document executed by authorized company official.

B. See Division 01 Section "Summary of Work" for contractor's warranty.

PART 2 – PRODUCTS

NOT USED.

PART 3 – EXECUTION

3.1 INSPECTION

A. Inspect products covered by an allowance promptly upon delivery for damage or defects.

3.2 PREPARATION

A. Coordinate materials and their installation for each allowance with related materials and installations to ensure that each allowance item is completely integrated and interfaced with related construction activities.

PART 4 – SCHEDULES

4.1 SCHEDULE OF ALLOWANCES

A. **Allowance No. 01:** Include $35,000 for the removal and disposal of additional asbestos containing material or suspect asbestos containing material following inspection and authorization by the engineer or engineer's representative.

END OF SECTION

01 50 00
Temporary Facilities and Controls

1. General
1.1. Summary

1.1.1. The Contractor shall furnish all labor, equipment, and materials required for completion of the contract, and for protection of the Owner's employees and property during and as the result of work tasks under this Contract. Protection requires consideration of, at a minimum, dust, noise and hazardous and solid waste management.

1.1.2. To prevent environmental pollution and to provide for environmental protection arising from construction activities related to the performance of this Contract, the Contractor and its subcontractor(s) shall comply with applicable federal, state, and local laws and regulations concerning environmental protection, as well as the specific requirements stated in this Section and elsewhere in the Specifications.

2. Products
2.1. Temporary Facilities

2.1.1. The Contractor shall furnish for himself such temporary office and storage facilities as he may require for his own uses and shall obtain all necessary applicable permits and/or approvals required for their use. Such facilities shall be located where directed by the Engineer and shall be completely removed at the completion of work.

2.1.2. Sanitary Conveniences: Sanitary conveniences for the use of all persons employed on the work, properly screened from public observation, shall be provided in sufficient numbers, in such manner, and at locations acceptable to the Engineer. The contents shall be removed and disposed of in a manner, and at a frequency acceptable to the public health agency having jurisdiction. The proper maintenance of sanitary convenience shall be the obligation and responsibility of the Contractor until the completion of the work.

2.1.3. Fire Extinguishers: Portable, UL rated; with class and extinguishing agent as required by locations and classes of fire exposures.

3. Execution
3.1. Installation, General

3.1.1. Locate facilities where they will serve Project adequately and result in minimum interference with performance of the Work. Relocate and modify facilities as required by progress of the Work. Final locations to be approved by the Engineer.

3.1.2. Provide each facility ready for use when needed to avoid delay. Do not remove until facilities are no longer needed or are replaced by authorized use of completed permanent facilities.

3.2. Temporary Utility Installation

3.2.1. General: Install temporary service or connect to existing service. Arrange with utility company, Owner, and existing users for time when service can be interrupted, if necessary, to make connections for temporary services.

3.2.2. Water Service: Install water service and distribution piping in sizes and pressures adequate for construction/abatement.

3.2.2.1. Water has been turned off to the Stone Building. Contractor will be responsible for supplying adequate water as necessary for asbestos abatement, lead paint removal, decontamination, and clean up.

3.2.3. Sanitary Facilities: Provide temporary toilets, wash facilities, and drinking water for use of construction personnel. Comply with requirements of authorities having jurisdiction for type, number, location, operation, and maintenance of fixtures and facilities.

3.2.4. Electric Power Service: Provide electric power service and distribution system of sufficient size, capacity, and power characteristics required for construction operations. Install electric power service as indicated by the authorities having jurisdiction.

3.2.4.1. Electricity is not currently available throughout the majority of the Stone Building. Contractor shall be responsible for providing temporary power as needed to complete the work.

3.2.5. Lighting: Provide temporary lighting with local switching that provides adequate illumination for construction operations, observations, inspections, and traffic conditions. Install and operate temporary lighting that fulfills security and protection requirements without operating entire system.

3.2.6. Tests and Inspections: Arrange for authorities having jurisdiction to test and inspect each temporary utility as needed before use. Obtain required certifications and permits.

3.3. Temporary Utility Charges

3.3.1. General: Installation and removal of and use charges for temporary facilities shall be included in the Contract Sum, unless otherwise indicated. Allow other entities engaged in the Project to use temporary services and facilities without cost, including, but not limited to Engineer, testing agencies, and authorities having jurisdiction.

3.3.2. Water and Sewer Service: Use of potable water and municipal sewer services shall be arranged by the Contractor. Connection, metering, and payment procedures shall be in accordance with utility and Owner requirements. Contractor shall provide connections and extensions of services as required for construction operations, under oversight from the utility, and at no additional cost to the project.

3.3.3. Electric Power Service: Electric power connection, metering, and payment procedures shall be in accordance with utility requirements. Contractor shall provide connections and extensions of services as required for construction operations, under oversight from the utility, and at no additional cost to the project. Comply with NECA, NEMA, and UL standards and regulations for temporary electric service. Install service to comply with NFPA 70.

3.4. Support Facilities Installation

3.4.1. General: Provide construction for temporary offices, shops, and sheds located within construction area as needed to support Contractor activities. Maintain support facilities until Engineer schedules Substantial Completion inspection. Remove before Substantial Completion.

3.4.2. Traffic Controls: Comply with requirements of authorities having jurisdiction. Protect existing site improvements to remain including curbs, pavement, and utilities. Maintain access for fire-fighting

equipment and access to fire hydrants.

3.4.3. Parking: Construction personnel may utilize general public parking areas surrounding the project site.
3.4.4. Snow and Ice Removal: Remove snow and ice as required to minimize accumulations.

3.4.5. Waste Disposal Facilities:
- 3.4.5.1. The Contractor shall dispose of all discarded debris, from any source whatsoever, in a manner approved by the Engineer and Owner. Provide waste-collection containers in sizes adequate to handle waste from construction operations.
- 3.4.5.2. Collect waste materials, debris, and rubbish daily.
- 3.4.5.3. The Contractor shall keep each work area free and clear of clutter that could create a potential hazard to people working in or traveling through the area.
- 3.4.5.4. The Contractor shall frequently remove materials no longer required on the Site, such as temporary structures, discarded containment materials, and similar materials and equipment, so that at all times the Site, access routes to the Site, and any other areas disturbed by his operations shall present a neat, orderly, workmanlike appearance.
- 3.4.5.5. Comply with requirements of authorities having jurisdiction.

3.4.6. Material Storage: The location of areas for storage of the Contractor's materials required temporarily in the performance of the work shall be within or adjacent to work area and shall require approval of the Owner prior to use.

3.4.7. Noise Control: The Contractor shall use every effort and means possible to minimize or eliminate noise caused by its operation which the Engineer may consider objectionable. The Contractor shall provide working machinery, designed to operate with the least possible noise. The Owner may require activities that generate noise at levels of 85 decibels or above to be conducted outside of regular working hours so as not to pose a hazard to employees.

3.4.8. Dust Control: OSHA begins enforcement of the Respirable Crystalline Silica Standard for construction on September 23, 2017. Contractor must comply with requirements outlined in this standard during construction, including the use of engineering controls (such as water or ventilation) to limit worker exposure to silica dust; providing respirators if necessary; limiting worker access to high silica dust exposure areas. Contractor shall provide proof of compliance with the Silica Standard prior to start of construction and shall make efforts to maintain a "zero-dust" environment during all phases of construction.

3.4.9. Decontamination: Provide and maintain a personal decontamination station to allow for removal of dust and other materials from clothing and protective equipment prior to leaving the work area(s).

3.4.10. During the course of the work, the Contractor shall keep the site of his operations in as clean and neat a condition as is possible. He shall dispose of residue resulting from the construction work and, at the conclusion of the work, he shall remove and haul away surplus lumber, equipment, temporary structures, and any other refuse remaining from the construction operations, and shall leave the entire site of the work in a neat and orderly condition.

3.5. Security and Protection of Infrastructure
3.5.1. The Contractor shall be responsible for the preservation of Owner's property and shall use every precaution necessary to prevent damage thereto. If direct or indirect damage is done to public or private property by or on account of any act, commission, neglect, or misconduct in the execution of the work on

the part of the Contractor, such property shall be restored by the Contractor, at his expense, to a condition similar or equal to that existing before the damage was done, or he shall make good the damage in other manner acceptable to the Owner.

3.5.2. The Contractor shall assume full responsibility for the protection of remaining building materials, ground, and utilities located outside of the Project, whether or not they are shown on the Drawings. The Contractor shall carefully support and protect such structures and utilities from injury of any kind. Any damage resulting from the Contractor's operations shall be repaired by him at his expense.

3.5.3. Protection of Existing Facilities: Protect existing equipment, structures, utilities, and other improvements at Project site and on adjacent properties, except those indicated to be removed or altered. Repair damage to existing facilities.

3.5.4. Environmental Protection: Provide protection, operate temporary facilities, and conduct construction as required to comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.

3.5.5. Erosion and Sedimentation Control: Provide measures to prevent soil erosion and discharge of soil-bearing water runoff and airborne dust to undisturbed areas and to adjacent properties and walkways, according to requirements of EPA Construction General Permit or authorities having jurisdiction.

3.5.5.1. Verify that flows of water redirected from construction areas or generated by construction activity do not enter or cross tree- or plant-protection zones.

3.5.5.2. Inspect, repair, and maintain erosion- and sedimentation-control measures during construction until permanent vegetation has been established.

3.5.5.3. Clean, repair, and restore adjoining properties and roads affected by erosion and sedimentation from Project site during the course of Project.

3.5.5.4. Remove erosion and sedimentation controls and restore and stabilize areas disturbed during removal.

3.5.6. Stormwater Control: Comply with requirements of authorities having jurisdiction. Provide barriers in and around excavations and subgrade construction to prevent flooding by runoff of stormwater from heavy rains.

3.5.7. Dust control: Comply with requirements of authorities having jurisdiction. Prevent potentially contaminated dust from leaving the project work area. Apply water by approved methods and with equipment including a tank with gauge equipped pressure pump and a nozzle-equipped spray bar.

3.5.8. Security Lockup: Lock entrances to prevent unauthorized entrance, vandalism, theft, and similar violations of security. Lock entrances at end of each workday and at all time the Contractor is off-site.

3.5.9. Barricades, Warning Signs, and Lights: Comply with requirements of authorities having jurisdiction for erecting structurally adequate barricades, including warning signs and lighting.

3.6. Termination and Removal

3.6.1. Supervision: Enforce strict discipline in use of temporary facilities. To minimize waste and abuse, limit availability of temporary facilities to essential and intended uses.

3.6.2. Maintenance: Maintain facilities in good operating condition until removal. Maintain operation of temporary enclosures, heating, cooling, humidity control, ventilation, and similar facilities on a 24-hour

basis where required to achieve indicated results and to avoid possibility of damage.

3.6.3. Temporary Facility Changeover: Do not change over from using temporary security and protection facilities to permanent facilities until Substantial Completion.

3.6.4. Termination and Removal: Remove each temporary facility when need for its service has ended, when it has been replaced by authorized use of a permanent facility, or no later than Substantial Completion. Complete or, if necessary, restore permanent construction that may have been delayed because of interference with temporary facility. Repair damaged Work, clean exposed surfaces, and replace construction that cannot be satisfactorily repaired.

END OF SECTION 01 50 00

01 74 19
Construction Waste Management and Disposal

1. General
1.1. Summary

1.1.1. Section includes administrative and procedural requirements for the following:
1.1.1.1. Recycling nonhazardous demolition and construction waste.
1.1.1.2. Disposing of nonhazardous demolition and construction waste.
1.1.2. Related Requirements:
1.1.2.1. Section 00 31 26 “Existing Hazardous Material Information” for information on the hazardous building materials present in onsite buildings.

2. Definitions
2.1.1. Construction Waste: Building and site improvement materials and other solid waste resulting from construction, remodeling, renovation, or repair operations. Construction waste includes packaging.
2.1.2. Demolition Waste: Building and site improvement materials resulting from demolition or selective demolition operations.
2.1.3. Disposal: Removal off-site of demolition and construction waste and subsequent sale, recycling, reuse, or deposit in landfill or incinerator acceptable to authorities having jurisdiction.
2.1.4. Recycle: Recovery of demolition or construction waste for subsequent processing in preparation for reuse.

3. Performance Requirements
3.1. General: Maximize amount of recycling of total non-hazardous solid waste generated by the Work.

3.2. Action Submittals
3.2.1. Waste Management Plan: Submit plan within two weeks of date established for the Notice to Proceed.

3.3. Submittals
3.3.1. Waste Reduction Progress Reports: Concurrent with each Application for Payment, submit report. Include the following information:
3.3.1.1. Material category.
3.3.1.2. Generation point of waste.
3.3.1.3. Total quantity of waste in tons.
3.3.1.4. Quantity of waste recycled, both estimated and actual in tons.
3.3.1.5. Total quantity of waste recovered (recycled) as a percentage of total waste.

3.3.2. Waste Reduction Calculations: Before request for Substantial Completion, submit calculated end-of-Project rates for recycling, and disposal as a percentage of total waste generated by the Work.

3.3.3. Recycling and Processing Facility Records: Indicate receipt and acceptance of recyclable waste by recycling and processing facilities licensed to accept them. Include manifests, weight tickets, receipts, and invoices.

3.3.4. Landfill and Incinerator Disposal Records: Indicate receipt and acceptance of waste by landfills and incinerator facilities licensed to accept them. Include manifests, weight tickets, receipts, and invoices.

3.4. Waste Management Plan
3.4.1. General: Develop a waste management plan according to ASTM E 1609 and requirements in this Section. Plan shall consist of waste identification, waste reduction work plan, and cost/revenue analysis. Indicate quantities by weight or volume but use same units of measure throughout waste management

plan.

3.4.2. Waste Identification: Indicate anticipated types and quantities of demolition, site-clearing, and/or construction waste generated by the Work. Include estimated quantities and assumptions for estimates.

3.4.3. Waste Reduction Work Plan: List each type of waste and whether it will be recycled, or disposed of in landfill or incinerator. Include points of waste generation, total quantity of each type of waste, quantity for each means of recovery, and handling and transportation procedures.

3.4.3.1. Recycled Materials: Include list of local receivers and processors and type of recycled materials each will accept. Include names, addresses, and telephone numbers.

3.4.3.2. Disposed Materials: Indicate how and where materials will be disposed of. Include name, address, and telephone number of each landfill and incinerator facility.

3.4.3.3. Handling and Transportation Procedures: Include method that will be used for separating recyclable waste including sizes of containers, container labeling, and designated location where materials separation will be performed.

4. Products (Not Used)

5. Execution

5.1. Plan Implementation

5.1.1. General: Implement approved waste management plan. Provide handling, containers, storage, signage, transportation, and other items as required to implement waste management plan during the entire duration of the Contract.

5.1.2. Waste Management Coordinator: Engage a waste management coordinator to be responsible for implementing, monitoring, and reporting status of waste management work plan.

5.1.3. Training: Train workers, subcontractors, and suppliers on proper waste management procedures, as appropriate for the Work occurring at Project site.

5.1.3.1. Distribute waste management plan to everyone concerned when they first begin work on-site. Review plan procedures and locations established for recycling, and disposal.

5.1.4. Site Access and Temporary Controls: Conduct waste management operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.

5.1.4.1. Designate and label specific areas on Project site necessary for separating materials that are to be recycled, reused, donated, and sold.

5.1.4.2. Comply with Section 015000 "Temporary Facilities and Controls" for controlling dust and dirt, and environmental protection.

5.2. Salvaging Demolition Waste

5.2.1. Salvaged Items for Sale, Donation, or Use: Not permitted, unless approved by Engineer and Owner.

5.3. Recycling Demolition and Construction Waste, General

5.3.1. General: Recycle paper and beverage containers used by on-site workers.

5.3.2. Procedures: Separate recyclable waste from other waste materials, trash, and debris. Separate recyclable waste by type at Project site to the maximum extent practical according to approved construction waste management plan.

5.3.2.1. Provide appropriately marked containers or bins for controlling recyclable waste until they are removed from Project site. Include list of acceptable and unacceptable materials at each container and bin.

5.3.2.1.1. Inspect containers and bins for contamination and remove contaminated materials if found.

5.3.2.2. Stockpile processed materials on-site without intermixing with other materials. Place, grade, and shape stockpiles to drain surface water. Cover to prevent windblown dust.

5.3.2.3. Stockpile materials away from construction area. Do not store within drip line of remaining trees.

5.3.2.4. Store components off the ground and protect from the weather.

5.3.2.5. Remove recyclable waste from Owner's property and transport to recycling receiver or processor.

5.4. Recycling Demolition Waste

5.4.1. Asphalt Paving: Grind and/or transport asphalt as required by the receiving facility.

5.4.2. Concrete: Remove reinforcement and other metals from concrete and sort with other metals.

5.4.2.1. Pulverize concrete as required by the receiving facility.

5.4.3. Masonry: Remove metal reinforcement, anchors, and ties from masonry and sort with other metals.

5.4.3.1. Pulverize masonry as required by the receiving facility.

5.4.3.2. Clean and stack undamaged, whole masonry units on wood pallets.

5.4.4. Wood Materials: Sort and stack members according to size, type, and length. Separate lumber, engineered wood products, panel products, and treated wood materials.

5.4.5. Metals: Separate metals by type.

5.4.5.1. Structural Steel: Stack members according to size, type of member, and length.

5.4.5.2. Remove and dispose of bolts, nuts, washers, and other rough hardware.

5.4.6. Piping: Reduce piping to straight lengths and store by type and size. Separate supports, hangers, valves, sprinklers, and other components by type and size.

5.5. Recycling Construction Waste

5.5.1. Packaging:

5.5.1.1. Cardboard and Boxes: Break down packaging into flat sheets. Bundle and store in a dry location.

5.5.1.2. Polystyrene Packaging: Separate and bag materials.

5.5.1.3. Pallets: As much as possible, require deliveries using pallets to remove pallets from Project site. For pallets that remain on-site, break down pallets into component wood pieces and comply with requirements for recycling wood.

5.5.2. Wood Materials:

5.5.2.1. Clean Cut-Offs of Lumber: Grind or chip into small pieces.

5.5.2.2. Clean Sawdust: Bag sawdust that does not contain painted or treated wood.

5.6. Disposal of Waste

5.6.1. General: Except for items or materials to be recycled, or otherwise reused, remove waste materials from Project site and legally dispose of them in a landfill or incinerator acceptable to authorities having jurisdiction.

5.6.1.1. Except as otherwise specified, do not allow waste materials that are to be disposed of accumulate on-site.

5.6.1.2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.

5.6.2. Burning: Do not burn waste materials

5.6.3. Disposal: Remove waste materials from Owner's property and legally dispose of them.

5.7. Asbestos Abatement
5.7.1. See Section 02 82 11.

5.8. Lead Paint Removal
5.8.1 See Section 02 83 33

END OF SECTION 01 74 19

01 77 00
Closeout Procedures

1. General
1.1. Summary

1.1.1. Section includes administrative and procedural requirements for contract closeout, including, but not limited to, the following:

1.1.1.1. Substantial Completion procedures.
1.1.1.2. Final completion procedures.
1.1.1.3. Warranties.
1.1.1.4. Final cleaning.
1.1.1.5. Repair of the Work.

1.2. Submittals
1.2.1. Contractor's List of Incomplete Items: submittal at Substantial Completion.

1.2.2. Certified List of Incomplete Items: submittal at Final Completion.

1.2.3. Certificates of Release: From authorities having jurisdiction.

1.2.4. Certificate of Insurance: For continuing coverage.

1.3. Substantial Completion Procedures
1.3.1. Contractor's List of Incomplete Items: Prepare and submit a list of items to be completed and corrected (Contractor's punch list), indicating the value of each item on the list and reasons why the Work is incomplete.

1.3.2. Submittals Prior to Substantial Completion: Complete the following a minimum of two weeks prior to requesting inspection for determining date of Substantial Completion. List items below that are incomplete at time of request.

1.3.2.1. Submit closeout submittals specified in other Division 01 Sections, including project record documents, operation and maintenance manuals, damage or settlement surveys, property surveys, and similar final record information.
1.3.2.2. Submit closeout submittals specified in individual Sections, including specific warranties, workmanship bonds, maintenance service agreements, final certifications, and similar documents.

1.3.3. Procedures Prior to Substantial Completion: Complete the following a minimum of two weeks prior to requesting inspection for determining date of Substantial Completion. List items below that are incomplete at time of request.

1.3.3.1. Advise Owner of pending insurance changeover requirements.
1.3.3.2. Advise Owner of changeover in utility services.
1.3.3.3. Participate with Owner in conducting inspection and walkthrough with local emergency responders.
1.3.3.4. Terminate and remove temporary facilities from Project site, along with mockups, construction tools, and similar elements.
1.3.3.5. Complete final cleaning requirements.

1.3.4. Inspection: Submit a written request for inspection to determine Substantial Completion a minimum of 10 days prior to date the Work will be completed and ready for final inspection and tests. On receipt of request, Engineer will either proceed with inspection or notify Contractor of unfulfilled requirements. Engineer will prepare the Certificate of Substantial Completion after inspection or will notify Contractor of items, either on Contractor's list or additional items identified by Engineer, that must be completed or corrected before certificate will be issued.

2. Final Completion Procedures

2.1. Submittals Prior to Final Completion: Before requesting final inspection for determining final completion, complete the following:

2.1.1.1. Submit a final Application for Payment.

2.1.1.2. Certified List of Incomplete Items: Submit certified copy of Engineer's Substantial Completion inspection list of items to be completed or corrected (punch list), endorsed and dated by Engineer. Certified copy of the list shall state that each item has been completed or otherwise resolved for acceptance.

2.1.1.3. Certificate of Insurance: Submit evidence of final, continuing insurance coverage complying with insurance requirements.

2.1.2. Inspection: Submit a written request for final inspection to determine acceptance a minimum of 10 days prior to date the work will be completed and ready for final inspection and tests. On receipt of request, Engineer will either proceed with inspection or notify Contractor of unfulfilled requirements. Engineer will prepare a final Certificate for Payment after inspection or will notify Contractor of construction that must be completed or corrected before certificate will be issued.

3. List of Incomplete Items (Punch List)

3.1. Organization of List: Include name and identification of each space and area affected by construction operations for incomplete items and items needing correction including, if necessary, areas disturbed by Contractor that are outside the limits of construction.

4. Submittal of Project Warranties

4.1.1. Time of Submittal: Submit written warranties on request of Engineer for designated portions of the Work where warranties are indicated to commence on dates other than date of Substantial Completion, or when delay in submittal of warranties might limit Owner's rights under warranty.

4.1.2. Organize warranty documents into an orderly sequence based on the table of contents of Project Manual.

4.1.3. Warranty Electronic File: Provide warranties and bonds in PDF format. Assemble complete warranty and bond submittal package into a single electronic PDF file with bookmarks enabling navigation to each item. Provide bookmarked table of contents at beginning of document.

5. Products – Not Used

6. Execution

6.1. Final Cleaning

6.1.1. General: Perform final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.

6.1.2. Cleaning: Employ experienced workers for final cleaning.

6.1.2.1. Complete the following cleaning operations before requesting inspection for certification of Substantial Completion for entire Project or for a designated portion of Project:

6.1.2.1.1. Clean Project site, yard, and grounds, in areas disturbed by construction activities, including landscape development areas, of rubbish, waste material, litter, and other foreign substances.

6.1.3. Construction Waste Disposal: Comply with waste disposal requirements in Section 01 50 00 “Temporary Facilities and Controls” and Section 01 74 19 "Construction Waste Management and Disposal."

6.2. Repair of the Work

6.2.1. Complete repair and restoration operations, before requesting inspection for determination of Substantial Completion.

6.2.2. Repair, or remove and replace, defective construction. Repairing includes replacing defective parts, refinishing damaged surfaces, touching up with matching materials, and properly adjusting operating equipment. Where damaged or worn items cannot be repaired or restored, provide replacements. Remove and replace operating components that cannot be repaired. Restore damaged construction and permanent facilities used during construction to specified condition.

END OF SECTION 01 77 00

02 82 11
Asbestos Abatement

1. General

1.1. Summary of the work

1.1.1. This Section includes furnishing labor, materials, equipment, supplies, and performing all operations necessary to complete the removal of asbestos containing materials (ACM) by licensed firms and competent persons trained, knowledgeable and qualified in the techniques of asbestos abatement, handling and disposal of ACM and asbestos contaminated materials and the subsequent cleaning of contaminated areas, and complying with all applicable federal, state, and local regulations in accordance with these specifications.

1.1.2. The work to be performed under this Contract consists of the removal, cleanup and disposal of all ACM and asbestos/waste contaminated elements from the interior portions of the on-Site building. Descriptions of ACM within Site buildings are provided in the Hazardous Materials Inventory report (refer to Section 00 31 26 and Appendix B) and are for informational purposes only; the Contractor is responsible for determining actual quantities of identified ACM to be removed.

1.1.3. The Contractor will be responsible for preparation of a site-specific asbestos abatement project design and work plan for each work area.

1.1.4. The Contractor will be responsible for the timely submission of all appropriate federal and state notifications and associated fees.

1.1.5. The Contractor will be responsible for providing an independent air monitor for all visual evaluations and air clearances.

1.1.6. The Contractor will be responsible for conducting personal monitoring on their employees during abatement activities.

1.2. References

1.2.1. Code of Federal Regulations (CFR) Publications:

1.2.1.1. 29 CFR 1910.1001 - General Industry Standard for Asbestos

1.2.1.2. 29 CFR 1926.1101 - Construction Standard for Asbestos

1.2.1.3. 29 CFR 1910.134 - General Industry Standard for Respiratory Protection

1.2.1.4. 29 CFR 1910.120 - Hazard Communication

1.2.1.5. 40 CFR 61 Federal Register Vol. 49, April 5, 1984 Subpart M, National Emission Standards for Hazardous Air Pollutants (NESHAPS) – Asbestos

1.2.2. Applicable State Regulations:

1.2.2.1. 06-096 State of Maine, Department of Environmental Protection, Chapter 425, Asbestos Management Regulations (effective date: May 29, 2004).

1.2.2.2. CMR 411 State of Maine, Non-Hazardous Waste Transporter Licensing Regulations.

1.2.2.3. CMR 405 State of Maine, Solid Waste Management Regulations.

1.3. Submittals

1.3.1. Contractor Submittals.

1.3.1.1. Submittals will be received by the Engineer in accordance with this section before material or equipment is purchased or work is performed. The Contractor will submit to the Engineer, for review, two copies of the information required herein. The adequacy and accuracy of submittals and their compliance with contract documents are the responsibility of the

Contractor. All reviewing actions taken by the Owner will in no way relieve the Contractor of his/her quality control requirements.

1.3.2. General.

1.3.2.1. The Contractor will submit:

1.3.2.1.1. A list of proposed subcontractors with their addresses, specialties and qualifications with their bid.

1.3.2.1.2. Certificate of Insurance indicating coverage for asbestos abatement work.

1.3.3. Work Practices and Procedures

1.3.3.1. Design and Work Plan: The Contractor will be responsible for preparation of a site-specific asbestos abatement project design and work plan for each work area. An Asbestos Abatement Design Consultant licensed by the Maine Department of Environmental Protection (MEDEP) will prepare the design. The Contractor will submit a written work plan and sketches of the work procedures to be used in the removal, disposal and replacement of materials. The abatement plan will include location of asbestos control area, decontamination area, equipment decontamination enclosure, interface of trades involved in the construction, sequencing of asbestos-related work, disposal plan, type of wetting agent and sealant to be used, site specific air monitoring plan, personal air monitoring program and a description of the method to be employed to reduce fiber releases. For each work area, the abatement plan will show point of controlled access to the building for transporting ACM from the regulated area to the exterior of the building. The abatement plan will show auxiliary make-up air points, location of HEPA exhaust ventilation units, location of HEPA exhaust and location of pressure differential monitor(s).

1.3.3.2. Project Log: The Contractor shall maintain a Project Log throughout the project. The log will contain notes concerning accidents that may happen and deviation from standard work procedures and project information. At project completion, the original log will be submitted to the Engineer.

1.3.3.3. Work Schedule: A detailed work schedule will be prepared for the project including work hours, minimum daily staffing and goals and objectives.

1.3.3.4. Waste Disposal: The Contractor will identify the proposed waste disposal landfill for the project and provide a copy of the state approval certification.

1.3.3.5. Permits: The Contractor will provide a list of all permits, licenses or manifests to be applied for, including notification of the MEDEP.

1.3.3.6. The Contractor shall prepare, for signature by the Owner, a MEDEP Project Monitoring Disclosure Form.

1.3.3.7. The Contractor shall prepare for signature by the Owner, a MEDEP Asbestos Consultant Independent Business Relationship Disclosure Form.

1.3.4. Product and Equipment Data: Submit manufacturers' literature, catalog cuts and product data sheets for products and equipment to be used in this abatement project. Attach Material Safety Data Sheets to Product Data Sheets. Material Safety Data Sheets for products containing chemicals the Contractor may be utilizing on the project will be submitted. The Contractor will submit to the Consultant two copies of the Material Safety Data Sheets attached to the Product Data sheet for new products brought on site for which a Material Safety Data Sheet has not been previously submitted. This submission does not relieve the Contractor of the OSHA requirements of Contractor responsibilities with reference to the Material Safety Data Sheets nor does it relieve the Contractor of responsibility for the

subsequent proper use of the product.

1.3.5. Personnel, Training, Medical, and Respiratory Fit Test Documentation: The Contractor will submit the following:

1.3.5.1. Experience Summary: Submit name and experience summary of proposed project supervisors and foremen.

1.3.5.2. Respirator Protection Program: Submit a summary of the Contractor's Respiratory Protection Program as required by 29 CFR 1910.1001 and 1926.58.

1.3.5.3. Personnel: Submit copies of Personnel Training Certificates, Medical Examinations, Medical Questionnaires, and Respirator Fit Tests:
1.3.5.4. Summary Sheet: Submit a summary sheet of employees, listed in alphabetical order, to include name, social security number, classification, MEDEP certificate number and dates of training, medical examinations, medical questionnaires and respirator fit tests:
1.3.5.4.1. Medical Examinations: Submit proof of medical examinations as required by 29 CFR 1910.1001. If the employee elects not to have a medical examination, submit a notarized statement from the employee on the non-election.
1.3.5.4.2. Medical Questionnaire: Submit a notarized statement that medical questionnaires have been administrated in accordance with 29 CFR 1926.1101, Attachment D.
1.3.5.4.3. Respirator Fit Tests: Submit proof of respirator fit testing for employees to be assigned to the project. Fit Testing will be in accordance with 29 CFR 1910.1001, Attachment C and 1926.1101, Attachment C.

2. Asbestos Execution
2.1. Site Inspections
2.1.1. The Engineer / Consultant shall monitor the remediation work and shall make the determination that abatement is complete.

2.1.2. Abatement will be determined to be completed upon visual inspection of the areas of abatement and confirmatory sampling, as necessary.

2.2. Abatement Monitoring Requirements
2.2.1. The Abatement Contractor shall provide an independent certified Asbestos Air Monitor employed by an Asbestos Consultant to conduct visual evaluations and air clearance sampling of asbestos work areas. The asbestos work areas may not be released from the Contractor's control until no visible debris remains in the regulated area, visual evaluations are completed, air clearance sampling in accordance with Maine DEP regulations (Chapter 425 Asbestos Management and Control), and clearance standards are met.

2.2.2. The following procedures shall be performed sequentially and documented:

2.2.2.1. Visual Evaluation of Regulated Area. Following final abatement activities, including final clean and removal of equipment, supplies, and waste, and prior to removal of any layer of containment (if applicable) and conducting air clearance sampling, a visual evaluation of the asbestos work area shall be conducted to ensure that no visible dust or debris is present and that the work area, including containment, is dry. If debris is observed, the work area must be cleaned at the Contractor’s expense and another visual evaluation conducted. Project documents must reflect these activities. Air clearance sampling must not begin until the regulated area is free of visible debris.

2.2.3. Air Clearance Sampling. Air clearance sampling must be performed and documented in accordance with the following:

2.2.3.1. The containment must be completely dry prior to conducting air clearance sampling.

2.2.3.2. The total fiber count of each of the samples collected in the work area must be less than or equal to 0.010 f/cc (fibers per cubic centimeter) of air (as analyzed by phase contrast microscopy)
2.2.3.3. The minimum number of air clearance samples is as follows:
2.2.3.3.1. 3 samples for activities that contain less than 100 linear and/or square feet total of asbestos-containing materials (ACM);
2.2.3.3.2. 5 samples for activities that contain more than 100 linear and/or square feet total of ACM
2.2.3.4. Phase Contact Microscopy (PCM) air clearance sampling flow rate must not exceed 16 liters of air per minute.
2.2.3.5. Air clearance samples must be collected utilizing aggressive techniques that are consistent with 40 CFR, Part 763, Subpart E (effective date December 14, 1987).
2.2.3.6. Failures of air clearance sampling (not meeting the clearance criteria of 0.010 f/cc require that the Contractor at own expense:
2.2.3.6.1. Reclean the work area until it meets the air clearance standards;
2.2.3.6.2. Resample by transmission electron microscopy to obtain a clearance as per the Asbestos-Containing Materials in Schools rule, 40 CFR Part 763 (effective October 30, 1987); or
2.2.3.6.3. Exclude potentially contaminated make up air and resample.
2.2.3.7. Air clearance samples shall be analyzed in accordance with the most current version of NIOSH (National Institute for Occupational Safety and Health) Methods 7400 or 7402, as applicable, the OSHA Reference Method Asbestos Standard for General Industry, 29 CFR 1910.1001 Attachment A (effective date July 20, 1986), or other approved EPA methodology.

2.2.4. Final Inspection after Removal of Containment. Immediately upon completion of removal of the containment of the regulated area, the Asbestos Project Supervisor must visually inspect all surfaces within the regulated area for visible debris. If visible debris is observed, the regulated area must be cleaned by High Efficiency Particulate (HEPA) vacuum or wet methods until there is no visible dust or debris present. This final inspection must be documented in the daily project log. This documentation must include a statement that the regulated area was clear of visible debris and the name and signature of the person conducting this final inspection.

2.3. Quality Assurance
2.3.1. Job Site References: The Contractor will have on site at all times at least one copy of the following (stored in an onsite location as directed by Engineer):
2.3.1.1. Project Manual including Drawings and Specifications.

2.3.1.2. Guidance for Controlling Asbestos Containing Materials in Building (EPA 560/5-85-024), June 1985.

2.3.1.3. Asbestos Waste Management Guidance (EPA/530-SW-85-007), May 1985.

2.3.1.4. A Guide to Respiratory Protection for the Asbestos Abatement Industry (EPA-560-OPTS-86-001), September 1986.

2.3.1.5. Federal Register - Part II - OSHA - 29 CFR Parts 1910 and 1926.

2.3.1.6. 40 CFR Part 61 Subpart M - NESHAPs Asbestos

2.3.1.7. State of MEDEP, Chapter 425, Asbestos Management Regulations (effective date May 29, 2004).

2.3.2. Safety Compliance: The Contractor will, in addition to detailed requirements of this specification:

2.3.2.1. Comply with laws, ordinances, rules and regulations of federal, state, regional and local authorities regarding handling, storing, transporting and disposing of asbestos waste materials;

2.3.2.2. Comply with the applicable requirements of the current issue of 29 CFR 1910.1001; 40 CFR 61, Subparts M and 29 CFR 1926;

2.3.2.3. Submit matters of interpretation of standards to the appropriate administrative agency for resolution before starting the work. Where the requirements of this specification and referenced documents vary, the most stringent requirement will apply.

2.3.2.4. Respirator Program: The Contractor will establish a respirator program as required by 29 CFR 1910.1001 and 1926.58. This program will comply with all paragraphs of 29 CFR 1910.134.

2.4. Authority to Stop Work

2.4.1. The Engineer has the authority to stop the abatement work at any time that conditions are not within the specifications and applicable regulations. The stoppage of work will continue until conditions have been corrected and corrective steps have been taken to the satisfaction of the Owner and the Engineer. Standby time required for the Contractor's personnel to resolve violations will be at the Contractor's expense.

2.4.2. Stop-Work Airborne Fiber Levels will be as follows:

2.4.2.1. Inside Work Area (Removal): 0.5 f/cc (with wet methods).

2.4.2.2. Outside Work Area: 0.01 f/cc as measured in clean room and/or the HEPA exhaust.

2.4.2.3. Stop work order will be issued for, but not limited, to the following:

2.4.2.4. Excessive airborne fiber concentrations inside and/or outside work area.

2.4.2.5. Breaks in containment barriers.

2.4.2.6. Loss of negative air pressure (0.02 inches of water - minimum negative pressure to be maintained).

2.4.2.7. Failure of workers to wear appropriate respiratory protection.

3. Products

3.1. Materials

3.1.1. The Contractor shall furnish materials as necessary to perform the work specified herein and to comply with State of Maine Department of Environmental Protection, Chapter 425, Asbestos Management Regulations.

3.1.2. General Equipment to be Provided by Contractor.

3.1.2.1. The Contractor shall furnish equipment, including personnel protective equipment, as necessary to perform the work specified herein and to comply with State of Maine, Department of Environmental Protection, Chapter 425, Asbestos Management Regulations.

3.1.2.2. Workers and authorized visitors exposed to airborne concentrations of asbestos fibers will be provided with disposable, protective, whole body clothing, head coverings, gloves, and foot coverings, and use of tape. Protective clothing will be provided to all workers and authorized visitors in sizes adequate to accommodate movement without tearing. Goggles will be provided in accordance with ANSI Z87.1 to personnel engaged in certain asbestos

operations when a full-face respirator is not required.

3.1.2.3. The Contractor shall provide water and electrical service as necessary to complete the Work.

3.2. Encapsulants

3.2.1. A spray type encapsulant will be used as a lockdown of exposed surfaces and piping. The encapsulant will be able to withstand heat and have the capacity to be applied pre-heated.

3.2.2. Electrical

3.2.2.1. All electrical installations will be accomplished under the direction of a Licensed Master Electrician.

3.2.2.2. Ground default circuit interrupters (GFCI) will be provided for all electrical equipment, to be installed outside the work area so that there is no live electrical wiring not protected by GFCI inside the work area. The Contractor will furnish and install a portable GFCI Power Supply Board and receptacles including the following:

3.2.2.2.1. All circuits individually GFCI-protected;
3.2.2.2.2. Weatherproof enclosure NEMA 3 (rain-tight) with receptacle covers;
3.2.2.2.3. Construction durable, 16-gauge steel construction;
3.2.2.2.4. At least two 20 amp circuits (for Project Monitor);
3.2.2.2.5. Main circuit breaker; and
3.2.2.2.6. Components UL listed.

4. Execution

4.1. General

4.1.1. Develop an asbestos abatement design in accordance with MEDEP Chapter 425 (Asbestos Management Regulations) for removal of asbestos-containing building materials, including a plan identifying the sequence of events and schedule for the work.

4.1.2. Comply with applicable worker health and safety regulations including but not limited to 29 CFR 1910 and 29 CFR 1926.

4.1.3. Furnish all labor, materials, and equipment to access areas requiring abatement. Provide and set up necessary engineering and safety controls to access hazardous materials within the building including walkways, railings or other barricades, and flooring supports.

4.1.4. Provide and set up necessary environmental and engineering controls to contain potentially hazardous dusts from impacting the public, workers at the site, or occupants of adjacent properties.

4.1.5. Limit access to the work area to the Contractor, the Contractor’s employees, and persons designated by the Owner.

4.1.6. The general location and estimated quantity of asbestos-containing materials identified on-Site is presented in the Hazardous Materials Inventory and associated figures; however, the Contractor is responsible to confirm/determine the actual quantities of asbestos-containing materials.

4.1.7. Package asbestos-containing material waste for disposal by double bagging in 6-mil poly bags or double wrapping in 6-mil poly sheeting. Prior to bagging or wrapping, waste that may puncture disposal bags or wrap shall be enclosed with burlap or other suitable material that will prevent bag failure.

4.1.8. Properly transport and dispose of all asbestos-containing materials in accordance with State of Maine and federal guidelines.

4.1.9. The Contractor shall provide work area and perimeter monitoring and final asbestos abatement clearance evaluation, sampling, and analysis for each work area. Asbestos monitoring and clearance shall be performed in accordance with State of Maine and federal guidelines.

4.1.10. The Contractor shall provide temporary weather-tight seals of any other openings that remain (e.g., windows and doorways, etc.) following asbestos abatement activities, as deemed necessary by the Owner or Engineer.

4.2. Worker Protection

4.2.1. General

4.2.1.1. All asbestos abatement work will be performed in accordance with 29 CFR 1910.1001, 29 CFR 1926.1101, State of Maine Department of Environmental Protection, Chapter 425, Asbestos Management Regulations and as specified herein.

4.2.1.2. The Contractor will provide all authorized visitors with respirators, new filters, protective clothing, headgear, eye protection, footwear, and hard hats as in the procedures described herein and afford them the use of all facilities to hold them free of contamination of asbestos fibers.

4.2.1.3. The Contractor will provide the decontamination and work procedures to be followed by workers, as well as the results of the personal air monitoring. This information must be posted in the clean room.

4.2.2. Respiratory Protection

4.2.2.1. Respiratory protection will be worn by all persons potentially exposed to asbestos from the initiation of the asbestos abatement project until all areas have been given clearance. Clearance will be obtained by visual observation and air monitoring conducted by a MEDEP-certified independent third-party asbestos air monitor.

4.2.2.2. Personal samples will be collected within the worker's breathing zone. Personal sampling will be the responsibility of the Contractor. Personal sampling results will be available on site no later than 24 hours after sampling.

4.2.2.3. The filters provided for respirators used during the course of this work will be NIOSH approved for asbestos fibers.

4.2.3. Protective Clothing

4.2.3.1. The Contractor will provide to all workers, foreman and superintendents, protective disposable clothing consisting of full body coveralls, head covers, gloves and 18-inch-high boot-type covers and reusable footwear.

4.2.3.2. The Contractor will provide eye protection and hard hats as required by job conditions and safety regulations.

4.2.3.3. Reusable footwear, hard hats and eye protection devices will be left in the "contaminated equipment room" until the end of the asbestos abatement work.

4.2.3.4. Upon completion of asbestos abatement, the footwear will be disposed of as contaminated waste or cleaned thoroughly inside and out using soap and water before removing it from the work area or from equipment and access area.

4.2.3.5. All disposable protective clothing will be discarded and disposed of as asbestos waste when the wearer exits from the workspace to the outside through the decontamination

facilities.

4.2.3.6. The color of the disposable clothing worn outside the work area will be a different color than the disposable clothing worn inside the work area.

4.2.4. Decontamination Facility

4.2.4.1. For each abatement area the Contractor will provide decontamination facilities located in an area agreed upon as part of the approved Asbestos Abatement Plan.

4.2.4.2. The decontamination facility will be constructed and maintained as specified herein and in compliance State of Maine Department of Environmental Protection, Chapter 425, Asbestos Management Regulations.

4.2.5. Maintenance of the Work Area

4.2.5.1. The Contractor shall maintain the work area as specified herein and in compliance with State of Maine, Department of Environmental Protection, Chapter 425, Asbestos Management Regulations.

4.2.6. Asbestos Control Area Construction

4.2.6.1. The Contractor shall prepare and maintain the asbestos control area (e.g., the Containment Area) as necessary to perform the work specified herein and in compliance with State of Maine, Department of Environmental Protection, Chapter 425, Asbestos Management Regulations.

4.2.7. ACM Abatement Methods

4.2.7.1. The Contractor shall conduct ACM removal as specified herein and in compliance with State of Maine, Department of Environmental Protection, Chapter 425, Asbestos Management Regulations.

4.2.7.2. The Contractor will be responsible to obtain work practice variances from MEDEP as necessary to complete the work.

4.2.7.3. Wrap and Cut methods of pipe insulation removal will be permitted.

4.2.8. Final Cleanup and Inspection Procedure

4.2.8.1. After the removal of asbestos has been completed and before removal of barriers, piping and all other surfaces within the work area will be thoroughly wet cleaned and/or vacuumed. Waste containers (except those containers necessary for waste from final cleanup) will be packed, cleaned, and removed from the work area prior to final cleanup and monitoring.

4.2.8.2. The independent asbestos air monitor will evaluate the work area for visible material. The Contractor will re-clean, if necessary, and the air monitor will re-inspect.

4.2.8.3. After the area passes the evaluation the air monitor will perform the final aggressive clearance. The samples will be analyzed by the PCM method with clearance criteria of all samples (total fiber count) of less than 0.010 f/cc.

4.2.9. Disposal

4.2.9.1. All waste material shall be properly handled, wetted, containerized, and disposed in accordance with State of Maine, Department of Environmental Protection, Chapter 425, Asbestos Management Regulations. The Contractor will count or measure the volume of each filled container leaving the work area and will maintain a written record of

such.

4.2.9.2. Warning labels, having waterproof print and permanent adhesive, will be affixed to the sides of all waste bags or transfer containers. Warning labels will be conspicuous and legible and in accordance with OSHA 1926.1101.

4.2.9.3. Once a dumpster of waste containers has accumulated, the Contractor will arrange for transportation to the landfill, or to a pre-designated and approved off-site temporary location. Waste will not remain on-site longer than 5-days following completion of asbestos abatement activities.

4.2.9.4. Waste Transportation and Disposal Regulations:
4.2.9.4.1. It is the responsibility of the Contractor to determine and ensure compliance with the current waste handling regulations applicable to the work site and the current regulations for waste transportation to and disposal at each ultimate landfill. The Contractor will comply fully with these regulations and with all U.S. Department of Transportation and EPA requirements.
4.2.9.4.2. If required, the Contractor (or Subcontractor), at no additional cost, will maintain a valid hazardous waste transporter's permit and identification number and will document and fully comply with any hazardous waste manifesting requirements.
4.2.9.4.3. The Contractor will provide legal transportation of this waste to the ultimate disposal landfill and will have the waste hauler and the landfill Owner complete all other required manifests, dump slips, or other forms. The completed original of the Waste Shipment Record and copies of the other forms will be sent to the Engineer within five calendar days.
4.2.9.4.4. Waste may be transported to and temporarily stored at a pre-approved off-site storage area owned by the Contractor, but it must ultimately be disposed of at the specified landfill before any payments are made.

4.2.10. Waste Disposal Fees: All Contractor contaminated waste handling costs, such as waste packaging, on-site/off-site storing/handling, transport/disposal, permitting, record keeping, and non-contaminated waste handling must be included in the Contractor's proposal as applicable to removal of asbestos materials and/or performance of the related abatement activities.

END OF SECTION 02 82 11

02 83 33
Lead-Based Paint Removal

1. General
1.1. Description
1.1.1. This section specifies removal and disposal of lead-based paint (LBP) and controls needed to limit occupational and environmental exposure to lead hazards. For the purposes of this project, full lead-based paint removal is required.
1.1.2. Lead paint removal includes full de-leading of lead-based paint. The methods used for lead-based paint removal shall be of the contractor's choice; and may include whole-component removal of plaster/sheetrock substrate, or aggressive, abrasive, and/or invasive removal methods, such as, sand blasting, grinding methods. PREFERENCE WILL BE GIVEN TO WHOLE-COMPONENT REMOVAL OF PLASTER/SHEETROCK SUBSTRATE. Lead paint on doors and wood trim within the Administration building is to be stripped and whole component is not to be removed. Window sashes and historic decorative trim are not included in the current scope of work. Please note that historic woodwork within the building is to be protected and/or will require restoration to original condition. Areas not affected by lead paint removal are to be protected or restored to original condition.
1.2. Applicable Publications
1.2.1. The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.
1.2.2. Code of Federal Regulations (CFR):
1.2.2.1. CFR 29 Part 1910 Occupational Safety and Health Standards
1.2.2.2. CFR 29 Part 1926 Safety and Health Regulations for Construction
1.2.2.3. CFR 40 Part 148 Hazardous Waste Injection Restrictions
1.2.2.4. CFR 40 Part 260 Hazardous Waste Management System: General
1.2.2.5. CFR 40 Part 261 Identification and Listing of Hazardous Waste
1.2.2.6. CFR 40 Part 262 Standards Applicable to Generators of Hazardous Waste
1.2.2.7. CRF 40 Part 263 Standards Applicable to Transporters of Hazardous Waste
1.2.2.8. CFR 40 Part 264 Standards for Owners and Operations of Hazardous Waste Treatment, Storage, and Disposal Facilities
1.2.2.9. CFR 40 Part 265 Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities
1.2.2.10. CFR 49 Part 172 Hazardous Material Table, Special Provisions, Hazardous Material Communications, Emergency Response Information, and Training Requirements
1.2.2.11. CFR 49 Part 178 Specifications for Packaging
1.2.3. National Fire Protection Association (NFPA): NFPA 701-2004 Methods of Fire Test for Flame-Resistant Textiles and Films
1.2.4. Occupational Safety and Health Administration (OSHA) Booklet 3142 Lead in Construction
1.2.5. Underwriters Laboratories (UL): UL 586-1996 (Rev 2004) High-Efficiency, Particulate, Air Filter Units
1.2.6. American National Standards Institute (ANSI): Z9.2-2001 Fundamentals Governing the Design and Operation of Local Exhaust Systems; Z88.2-1992 Respiratory Protection.
1.3. Definitions
1.3.1. Action Level: Employee exposure, without regard to use of respirators, to an airborne concentration of lead of 30 micrograms per cubic meter of air averaged over an 8-hour period. As used in this section"30 micrograms per cubic meter of air" refers to the action level.
1.3.2. Area Monitoring: Sampling of lead concentrations within the lead control area and inside the physical boundaries which is representative of the airborne lead concentrations which may reach the breathing zone of personnel potentially exposed to lead.
1.3.3. Physical Boundary: Area physically roped or partitioned off around an enclosed lead control area to limit unauthorized entry of personnel. As used in this section, "inside boundary" shall mean the same as "outside lead control area."
1.3.4. Change Rooms and Shower Facilities: Rooms within the designated physical boundary around the lead control area equipped with separate storage facilities for clean protective work clothing and equipment and for street clothes which prevent cross- contamination.
1.3.5. Competent Person: A person capable of identifying lead hazards in the work area and is authorized by the contractor to take corrective action.

1.3.6. Decontamination Room: Room for removal of contaminated personal protective equipment (PPE).
1.3.7. Eight-Hour Time Weighted Average (TWA): Airborne concentration of lead averaged over an 8-hour workday to which an employee is exposed.
1.3.8. High Efficiency Particulate Air (HEPA) Filter Equipment: HEPA filtered vacuuming equipment with a UL 586 filter system capable of collecting and retaining lead-contaminated paint dust. A high efficiency particulate filter means 99.97 percent efficient against 0.3 micron size particles.
1.3.9. Lead: Metallic lead, inorganic lead compounds, and organic lead soaps. Excluded from this definition are other organic lead compounds.
1.3.10. Lead Control Area: An enclosed area or structure with full containment to prevent the spread of lead dust, paint chips, or debris of lead-containing paint removal operations. The lead control area is isolated by physical boundaries to prevent unauthorized entry of personnel.
1.3.11. Lead Permissible Exposure Limit (PEL): Fifty micrograms per cubic meter of air as an 8-hour time weighted average as determined by 29 CFR 1910.1025. If an employee is exposed for more than 8 hours in a work day, the PEL shall be determined by the following formula. PEL (micrograms per (/) cubic meter of air) equals (=) 400 divided by (/) No. of hrs worked per day.
1.3.12. Personnel Monitoring: Sampling of lead concentrations within the breathing zone of an employee to determine the 8-hour time weighted average concentration in accordance with 29 CFR 1910.1025. Samples shall be representative of the employee's work tasks. Breathing zone shall be considered an area within a hemisphere, forward of the shoulders, with a radius of 150 millimeters (mm) to 225 mm (6 to 9 inches) and the center at the nose or mouth of an employee.
1.4. Quality Assurance
1.4.1. Before exposure to lead-contaminated dust, provide workers with a comprehensive medical examination as required by 29 CFR 1926.62 (I) (1) (i) & (ii). The examination shall not be required if adequate records show that employees have been examined as required by 29 CFR 1926.62(I) within the last year.
1.4.2. Medical Records: Maintain complete and accurate medical records of employees in accordance with 29 CFR 1910.20.
1.4.3. The CONTRACTOR shall employ a Environmental Professional who will be responsible for the following:

1.4.3.1. Certify Training;
1.4.3.2. Review and approve Lead-Containing Paint Removal Plan for removing LBP in conformance with the applicable referenced standards;
1.4.3.3. Inspect lead-containing paint removal work for conformance with the approved plan.
1.4.3.4. Direct monitoring;
1.4.3.5. Ensure work is performed in strict accordance with specifications at all times; and
1.4.3.6. Ensure hazardous exposure to personnel and to the environment are adequately controlled at all times.

1.4.4. Training: Train each employee performing paint removal, disposal, and air sampling operations prior to the time of initial job assignment, in accordance with 29 CFR 1926.62.
1.4.5. Training Certification: Submit certificates signed and dated by an Environmental Professional and by each employee stating that the employee has received training.
1.4.6. Respiratory Protection Program:

1.4.6.1. Furnish each employee required to wear a negative pressure respirator or other appropriate type with a respirator fit test at the time of initial fitting and at least every 6 months thereafter as required by 29 CFR 1926.62.
1.4.6.2. b. Establish and implement a respiratory protection program as required by 29 CFR 1910.134, 29 CFR 1910.1025, and 29 CFR 1926.62.

1.4.7. Hazard Communication Program: Establish and implement a Hazard Communication Program as required by 29 CFR 1910.1200.

1.4.8. Hazardous Waste Management: The Hazardous Waste Management plan shall comply with applicable requirements of Federal, State, and local hazardous waste regulations and address:
1.4.9. Identification of hazardous wastes associated with the work;
1.4.10. Estimated quantities of wastes to be generated and disposed of off-site;
1.4.11. Names and qualifications of each contractor that will be transporting, storing, treating, and disposing of the wastes. Include the facility location and a 24-hour point of contact. Furnish two copies of EPA and Maine hazardous waste permits and EPA Identification numbers;
1.4.12. Names and qualifications (experience and training) of personnel who will be working on-site with hazardous wastes;
1.4.13. List of waste handling equipment to be used in performing the work, to include cleaning, volume reduction, and transport equipment;
1.4.14. Spill prevention, containment, and cleanup contingency measures to be implemented;
1.4.15. Work plan and schedule for waste containment, removal and disposal. Wastes shall be cleaned up and containerized daily; and
1.4.16. Cost for hazardous waste disposal according to this plan.
1.5. Safety and Health Compliance
1.5.1. In addition to the detailed requirements of this specification, comply with laws, ordinances, rules, and regulations of federal, state, and local authorities regarding removing, handling, storing, transporting, and disposing of lead waste materials. Comply with the applicable requirements of the current issue of 29 CFR 1910.1025 and 29 CFR 1926.62. Submit matters regarding interpretation of standards to the ENGINEER for resolution before starting work.
1.5.2. b. Where specification requirements and the referenced documents vary, the most stringent requirements shall apply.
1.5.3. c. The following state regulations regarding removing, handling, storing, transporting, and disposing of lead-contaminated materials apply:

1.5.3.1. Maine Department of Environmental Protection Chapter 850: Identification of hazardous Wastes;
1.5.3.2. ii. Maine Department of Environmental Protection Chapter 851: Standards for Generators of Hazardous Waste; and
1.5.3.3. iii. Maine Department of Environmental Protection Chapter 857: Hazardous Waste Manifest Requirements.

1.5.4. Pre-Construction Conference: Meet with the ENGINEER to discuss in detail the Lead-Containing Paint Removal Plan for removal of LBP, including limits of work, work procedures, and precautions for the work plan.

2. Submittals
2.1. Submit the following:
2.1.1. Manufacturer's Catalog Data: Vacuum filters, Respirators
2.1.2. Instructions: Paint removal materials - Include applicable material safety data sheets.
2.1.3. Statements Certifications and Statements:

2.1.3.1. Qualifications of Environmental Professional: Submit name, address, and telephone number of the Environmental Professional selected to perform responsibilities in paragraph entitled "Environmental Professional Responsibilities." Provide previous experience of the Environmental Professional.
2.1.3.2. Testing Laboratory: Submit the name, address, and telephone number of the testing laboratory selected to perform the monitoring, testing, and reporting of airborne concentrations of lead. Provide proper documentation that persons performing the analysis have been judged proficient by successful participation within the last year in the National Institute for Occupational Safety and Health (NIOSH) Proficiency Analytical Testing (PAT) Program. The laboratory shall be accredited by the American Industrial Hygiene Association (AIHA). Provide AIHA documentation along with date of accreditation/reaccreditation.
2.1.3.3. Lead-Containing Paint Removal Plan for removal of LBP:

2.1.3.3.1. Submit a detailed job-specific plan of the work procedures to be used in the removal of lead-containing paint. The plan shall include a sketch showing the location, size, and details of lead control areas, location and details of decontamination rooms, change rooms, shower facilities, and mechanical ventilation system;

2.1.3.3.2. ii. Include in the plan, eating, drinking, smoking and restroom procedures, interface of trades, sequencing of lead related work, collected wastewater and paint debris disposal plan, air sampling plan, respirators, protective equipment, and a detailed description of the method of containment of the operation to ensure that airborne lead concentrations of 30 micrograms per cubic meter of air are not exceeded outside of the lead control area; and

2.1.3.3.3. iii. Include air sampling, training and strategy, sampling methodology, frequency, duration of sampling, and qualifications of air monitoring personnel in the air sampling portion on the plan.

2.1.3.4. Field Test Reports: Monitoring Results: Submit monitoring results to the ENGINEER within 3 working days, signed by the testing laboratory employee performing the air monitoring, the employee that analyzed the sample, and the Environmental Professional.

2.1.3.5. Records:

2.1.3.5.1. Completed and signed hazardous waste manifest from treatment or disposal facility.

2.1.3.5.2. Certification of Medical Examinations.

2.1.3.5.3. Employee training certification.

3. Products

3.1. Paint Removal Products:

3.1.1. Submit applicable Material Safety Data Sheets for paint removal products used in paint removal work. Use the least toxic product, suitable for the job and acceptable to the ENGINEER and Environmental Professional.

4. Execution

4.1. Protection

4.1.1. Lead Control Area Requirements:

4.1.1.1. Establish a lead control area where lead-containing paint removal operations will be performed; and

4.1.1.2. b. Contain removal operations by the use of a negative pressure full containment system with at least one change room and with HEPA filtered exhaust.

4.1.2. Protection of Existing Work to Remain: Perform paint removal work without damage or contamination of adjacent areas. Historical woodwork within the building is to remain in original condition. Where existing work is damaged or contaminated, restore work to its original condition.

4.1.3. Boundary Requirements: Provide physical boundaries around the lead control area by roping off the area [designated on the drawings] or providing curtains, portable partitions or other enclosures to ensure that airborne concentrations of lead will not reach 30 micrograms per cubic meter of air outside of the lead control area.

4.1.4. Heating, Ventilating and Air Conditioning (HVAC) Systems: Shut down, lock out, and isolate HVAC systems that supply, exhaust, or pass through the lead control areas. Seal intake and exhaust vents in the lead control area with 6-mil plastic sheet and tape. Seal seams in HVAC components that pass through the lead control area.

4.1.5. Change Room and Shower Facilities: Provide clean change rooms and shower facilities within the physical boundary around the designated lead control area in accordance with requirements of 29 CFR 1926.62.

4.1.6. Mechanical Ventilation System:

4.1.6.1. Use adequate ventilation to control personnel exposure to lead in accordance with 29 CFR 1926.57;

4.1.6.2. To the extent feasible, use fixed local exhaust ventilation connected to HEPA filters or other collection systems, approved by the CONTRACTOR'S Environmental Professional. Local exhaust ventilation systems shall be designed, constructed, installed, and maintained in accordance with ANSI Z9.2; and

4.1.6.3. If air from exhaust ventilation is recirculated into the work place, the system shall have a high efficiency filter with reliable back-up filter and controls to monitor the concentration of lead in the return air and to bypass the recirculation system automatically if it fails. Air may be recirculated only where exhaust to the outside is not feasible.

4.1.7. Personnel Protection: Personnel shall wear and use protective clothing and equipment as specified herein. Eating, smoking, or drinking is not permitted in the lead control area. No one will be permitted in the lead control area unless they have been given appropriate training and protective equipment.

4.1.8. Warning Signs: Provide warning signs at approaches to lead control areas. Locate signs at such a distance that personnel may read the sign and take the necessary precautions before entering the area. Signs shall comply with the requirements of 29 CFR 1926.62.

4.2. Work Procedures

4.2.1. Develop a Lead-Containing Paint Removal Plan for removal of lead-containing paint, including a plan identifying the sequence of events and schedule for the work.

4.2.2. Comply with applicable worker health and safety regulations including but not limited to 29 CFR 1910 and 29 CFR 1926.

4.2.3. Furnish all labor, materials, and equipment to access areas requiring abatement. Provide and set up necessary engineering and safety controls to access hazardous materials within the building including walkways, railings or other barricades, and flooring supports.

4.2.4. Provide and set up necessary environmental and engineering controls to contain potentially hazardous dusts from impacting the public, workers at the site, or occupants of adjacent properties.

4.2.5. Limit access to the work area to the CONTRACTOR, the CONTRACTOR'S employees, and persons designated by the OWNER.

4.2.6. Properly package, transport and dispose of lead waste generated in accordance with State of Maine and federal guidelines.

4.2.7. Perform removal of lead-containing paint in accordance with approved Lead-Containing Paint Removal Plan for removal of LBP. Use procedures and equipment required to limit occupational and environmental exposure to lead when lead- containing paint is removed in accordance with 29 CFR 1926.62, except as specified herein. Dispose of removed paint chips and associated waste in compliance with United States Environmental Protection Agency (EPA), federal, state, and local requirements.

4.2.8. Personnel Exiting Procedures:

4.2.8.1. Whenever personnel exit the lead-controlled area, they shall perform the following procedures and shall not leave the work place wearing any clothing or equipment worn during the work day:

4.2.8.1.1. Vacuum themselves off;

4.2.8.1.2. Remove protective clothing in the decontamination room, and place them in an approved impermeable disposal bag;

4.2.8.1.3. Shower; and

4.2.8.1.4. Change to clean clothes prior to leaving the physical boundary designated around the lead-contaminated job site.

4.2.9. Monitoring: Monitoring of airborne concentrations of lead shall be in accordance with 29 CFR 1926.62 and as specified herein. Air monitoring, testing, and reporting shall be performed by an Environmental Professional:

4.2.9.1. The Environmental Professional shall be on the job site directing the monitoring, and inspecting the lead-containing paint removal work to ensure that the requirements of the Contract have been satisfied during the entire lead-containing paint removal operation;

4.2.9.2. Take personal air monitoring samples on employees who are anticipated to have the greatest risk of exposure as determined by the Environmental Professional. In addition, take air monitoring samples on at least 25 percent of the work crew or a minimum of two employees, whichever is greater, during each work shift; and

4.2.9.3. Submit results of air monitoring samples, signed by the Environmental Professional, within 24 -hours after the air samples are taken. Notify the ENGINEER immediately of exposure to lead at or in excess of the action level of 30 micrograms per cubic meter of air outside of the lead control area.

4.2.10. Monitoring During Paint Removal Work:

4.2.10.1. Perform personal and area monitoring during the entire paint removal operation. Sufficient area monitoring shall be conducted at the physical boundary to ensure unprotected personnel are not exposed above 30 micrograms per cubic meter of air at all times. If the outside boundary lead levels are at or exceed 30 micrograms per cubic meter of air, work shall be stopped and the Environmental Professional shall immediately correct the condition(s) causing the increased levels and notify the ENGINEER immediately;

4.2.10.2. The Environmental Professional shall review the sampling data collected on that day to determine if condition(s) requires any further change in work methods. Removal work shall resume when approval is given by the Environmental Professional. The CONTRACTOR shall control the lead level outside of the work boundary to less than 30 micrograms per cubic meter of air at all times. As a minimum, conduct area monitoring daily on each shift in which lead paint removal operations are performed in areas immediately adjacent to the lead control area; and

4.2.10.3. For outdoor operations, at least one sample on each shift shall be taken on the downwind side of the lead control area. If adjacent areas are contaminated, clean and visually inspect contaminated areas. The Environmental Professional shall certify that the area has been cleaned of lead contamination.

4.3. Lead-Containing Paint Removal

4.3.1. Remove lead-based paint throughout the applicable buildings. Preference will be given to whole-component removal of plaster/sheetrock substrate. Contractor to protect adjacent historic woodwork that is not associated with lead paint removal.

4.3.2. Indoor Lead Paint Removal: Select paint removal processes to minimize contamination of work areas with lead-contaminated dust or other lead-contaminated debris/waste. This paint removal process should be described in the Lead-Containing Paint Removal Plan to remove LBP.

4.3.3. Mechanical Paint Removal and Blast Cleaning: If necessary, perform mechanical paint removal and blast cleaning in lead control areas using negative pressure full containments with HEPA filtered exhaust. Collect paint residue and spent grit (used abrasive) from blasting operations for disposal in accordance with EPA, state and local requirements. Contractor is to protect adjacent historic wood finishes. Any areas not coated with lead-based paint that are damaged as a result of lead paint removal activities are to be restored to original condition.

4.3.4. Painted Substrate Removal: THIS IS THE PREFERRED PAINT REMOVAL METHOD. Whole-component removal of painted substrates such as plaster or sheetrock may be utilized as a means of lead paint removal in order to protect adjacent finishes. Contractor to protect historic wood finishes and areas not coated with lead-based paint, or restore to original condition.

4.4. Cleanup and Disposal

4.4.1. Cleanup: Maintain surfaces of the lead control area free of accumulations of paint chips and dust. Restrict the spread of dust and debris; keep waste from being distributed over the work area. Do not dry sweep or use compressed air to clean up the area. At the end of each shift and when the paint removal operation has been completed, clean the area of visible lead paint contamination by vacuuming with a HEPA filtered vacuum cleaner and wet mopping the area.

4.4.2. Certification: The Environmental Professional shall certify in writing that the inside and outside the lead control area air monitoring samples are less than 30 micrograms per cubic meter of air, the respiratory protection for the employees was adequate, the work procedures were performed in accordance with 29 CFR 1926.62, and that there were no visible accumulations of lead-contaminated paint and dust on the worksite. Do not remove the lead control area or roped-off boundary and warning signs prior to the ENGINEER'S receipt of the Environmental Professional’s certification. Re-clean areas showing dust or residual paint chips.

4.4.3. Testing of Lead-Containing Paint Waste and Used Abrasive: Where indicated or when directed by the ENGINEER, test lead containing paint waste and used abrasive in accordance with 40 CFR 261 for hazardous waste.

4.4.4. Disposal:

4.4.4.1. Collect lead-contaminated waste, scrap, debris, bags, containers, equipment, and lead-contaminated clothing, which may produce airborne concentrations of lead particles.

4.4.4.2. Store removed paint, lead-contaminated clothing and equipment, and lead-contaminated dust and cleaning debris into U.S. Department of Transportation (49 CFR 178) approved 55-gallon drums. Properly label each drum to identify the type of waste (49 CFR 172) and the date lead-contaminated wastes were first put into the drum. Comply with land disposal restriction notification requirements as required by 40 CFR 268:

4.4.4.2.1. Collect lead-contaminated waste, scrap, debris, bags, containers, equipment, and lead-contaminated clothing which may produce airborne concentrations of lead particles. Label the containers in accordance with 29 CFR 1926.62. Dispose of lead-contaminated waste material at an EPA or Maine approved hazardous waste treatment, storage, or disposal facility off Government property;

4.4.4.2.2. Store waste materials in U.S. Department of Transportation (49 CFR 178) approved 55-gallon drums. Properly label each drum to identify the type of waste (49 CFR 172) and the date the drum was filled. The ENGINEER or an authorized OWNER'S representative will assign an area for interim storage of waste-containing drums. Do not store hazardous waste drums in interim storage longer than 90 calendar days from the date affixed to each drum; and

4.4.4.2.3. Handle, store, transport, and dispose lead or lead-contaminated waste in accordance with 40 CFR 260, 40 CFR 261, 40 CFR 262, 40 CFR 263, 40 CFR 264, and 40 CFR 265. Comply with land disposal restriction notification requirements as required by 40 CFR 268.

4.4.5. Disposal Documentation: Submit written evidence that the hazardous waste treatment, storage, or disposal facility (TSD) is approved for lead disposal by the EPA and state or local regulatory agencies. Submit one copy of the completed manifest, signed and dated by the initial transporter in accordance with 40 CFR 262.

END OF SECTION 02 83 33

ATTACHMENT A

Certified Payroll Form

Gale Associates Inc.

Abatement of the Stone Building

67 Independence Drive, Augusta Maine

State of Maine
Department of Labor
Bureau of Labor Standards

CERTIFIED PAYROLL

NAME OF CONTRACTOR ☐ OR SUBCONTRACTOR ☐ | ADDRESS

PAYROLL NO. | FOR WEEK ENDING | PROJECT AND LOCATION | PROJECT OR CONTRACT NO.

(1) NAME AND INDIVIDUAL IDENTIFYING NUMBER (e.g., LAST FOUR DIGITS OF SOCIAL SECURITY NUMBER) OF WORKER	(2) NO. OF WITHHOLDING EXEMPTIONS	(3) WORK CLASSIFICATION	OT. OR ST.	(4) DAY AND DATE / HOURS WORKED EACH DAY	(5) TOTAL HOURS	(6) RATE OF PAY	(7) GROSS AMOUNT EARNED	(8) DEDUCTIONS: FICA	WITH-HOLDING TAX			OTHER	TOTAL DEDUCTIONS	(9) NET WAGES PAID FOR WEEK
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Date: _____

I, _____ _____
(Name of Signatory) (Title)

do hereby state:

(1) That I pay or supervise the payment of the persons employed by

_____ on the
(Contractor or Subcontractor)

_____; that during the payroll period commencing on the
(Building or Work)

_____ day of _____, _____, and ending the _____ day of _____, _____,

all persons employed on said project have been paid the full weekly wages earned, that no rebates have been or will be made wither directly or indirectly to or on behalf of said

_____ from the full
(Contractor or Subcontractor)

Weekly wages earned by any person and that no deduction have been made either directly or indirectly from the full wages earned by any person, other than permissible deduction as defined by state or federal law

(2) That any payrolls otherwise under this contract required to be submitted for the above period are correct and complete; that the wage rates for laborers or mechanics contained therein are not less than the applicable prevailing wage rates contained in any wage determination incorporated into the contract; that the classifications set forth therein for each laborer or mechanic conform with the work he performed.

(3) That any apprentices employed in the above period are duly registered in a bona fide apprenticeship program registered with a State apprenticeship agency recognized by the Bureau of Apprenticeship and Training, United States Department of Labor, or if no such recognized agency exists in a State, are registered with the Bureau of Apprenticeship and Training, United States Department of Labor

.

(4) That:

(a) WHERE FRINGE BENEFITS ARE PAID TO APPROVED PLANS, FUNDS, OR PROGRAMS

☐-in addition to the basic hourly wage rates paid to each laborer or mechanic listed in the above references payroll, payments of fringe benefits as listed in the contract have been or will be made to appropriate programs for the benefit of such employees, except as noted in section 4 (c).

(b) WHERE FRINGE BENEFITS ARE PAID IN CASH

☐- Each laborer or mechanic listed in the above referenced payroll had been paid, as indicated on the payroll, an amount not less than the sum of the applicable hourly wage rate plus the amount of the required fringe benefits as listed in the contract, except as noted in section 4 (c) below

(c) EXCEPTIONS

Exceptions (Craft)	Explanation

Remarks:

Name & Title:	Signature:

THE WILLFUL FALSIFICATION OF ANY OF THE ABOVE STATEMENTS MAY SUBJECT THE CONTRACTOR OR SUBCONTRACTOR TO CIVIL OR CRIMINAL PROSECUTION. See Title 26, Chapter 15, §1303-1313 of the Maine Statutes.

ATTACHMENT B

Hazardous Building Materials Inventory

Former Maine State Hospital: Stone Building

67 Independence Drive, Augusta, Maine

January 31, 2023

400 Commercial Street, Suite 404
Portland, ME 04101
207.772.9891

January 31, 2023

Project 211.06085.001

Mr. Steven Marshall, RRC, CDT, LEED AP
Gale Associates Inc.
6 Bedford Farms Drive, Suite 101
Bedford, New Hampshire 03110

RE: Hazardous Building Materials Inventory Rev 1
Former Maine State Hospital: Stone Building
67 Independence Drive
Augusta, Maine

Dear Mr. Marshall:

Ransom Consulting, LLC (Ransom) has prepared this report presenting the results of the Hazardous Building Materials Inventory (HBMI) performed at the building identified as the Stone Building, located at 67 Independence Drive in Augusta, Maine (the Site). The Site is a portion of the former Maine State Hospital (later Augusta Mental Health Institute) campus, which is owned by the State of Maine. The work was authorized by Gale Associates Inc. (Gale) and performed as described in our Proposed Scope of Work and Cost Estimate dated October 18, 2021. The HBMI included sampling for asbestos-containing materials (ACM), a survey of lead-based paint (LBP), an assessment of polychlorinated biphenyls (PCBs) in building materials, and an evaluation of other hazardous and potentially hazardous building components.

The Site location and building layout are shown on Figures 1 and 2. Generalized floor plans for the Site building, including locations of samples testing positive for asbestos, are provided in Figures 3 through 15. Photograph logs documenting our key findings are included as Attachment A.

EXECUTIVE SUMMARY

Ransom understands that the State is planning to "mothball" the Stone Building associated with the former Maine State Hospital prior to any future renovations/redevelopment of the Site building. Given the age and construction of the building on site, there is potential for ACM, LBP, and PCBs in building materials to be present. To address these concerns, Ransom conducted an inspection for the presence of these materials as well as an inventory of other potentially hazardous building components at the Site during the HBMI conducted on December 15 through 17, 2021. Based on the results of this inspection, Ransom draws the following conclusions:

1. ACM was identified at the Site. Materials identified as ACM that may be impacted by the proposed redevelopment should be properly removed prior to demolition or renovation activities. ACM materials identified largely consisted of multiple types of flooring, mastics associated with flooring materials, thermal system insulation (TSI), window glaze, and window and door caulk. Select flooring samples were collected but not analyzed by the laboratory; mastics associated with these flooring materials tested positive for asbestos, and as such these flooring materials are considered impacted and will require abatement and disposal as ACM. Additional materials are presumed ACM

(PACM) as they were identified as asbestos containing during previous inspections (ceiling plaster in select building areas and TSI) or were considered PACM by Ransom onsite due to labeling (boxed and labeled ACM flooring and TSI labeled "asbestos" within the basement area). Asbestos abatement activities were reported to have previously occurred at the Site building; however, specific details of the abatement activities were not provided to Ransom. Ransom did note evidence indicating previous abatement activities within the building, including large areas of removed flooring and removed/replaced TSI piping wrap in select areas of the Site building. It should be noted that unidentified/unquantified ACM TSI likely remains in inaccessible areas of the Site building, including enclosed piping runs. Ransom also noted evidence of areas with hidden layers of flooring that are known or likely to contain asbestos. Hidden areas of flooring encountered by Ransom were documented and either sampled for asbestos or considered PACM, based on flooring type and/or location; however, additional unidentified hidden areas of flooring may exist. Materials not sampled must be assumed to contain asbestos until sampling and analysis can be performed to verify asbestos content. Additional suspect materials may also be present.

2. Some of the painted surfaces inspected contained lead at high enough concentrations to delineate the materials as "lead-based" according to U.S. Housing and Urban Development (HUD) guidelines. These guidelines apply to federal housing projects and are referenced for comparison purposes only. Facility maintenance staff or redevelopment contractors may perform maintenance, renovation, or demolition on surfaces coated with LBP or lead-containing coatings, provided that the handling of components coated with paint containing lead at any concentration (referred to as lead-containing paint) complies with the Occupational Safety and Health Administration's (OSHA) lead standards.

3. PCB bulk product waste (i.e., building materials containing PCBs at concentrations equal to or greater than 50 milligrams per kilogram (mg/kg) was not identified; therefore, remedial action regarding PCBs in building materials is not required at this time.

4. Ransom inventoried items at the Site during the course of this investigation that may contain PCBs, mercury, ozone-depleting substances (ODS), heavy metals, and other potentially hazardous materials. Disposal of each of these items is also subject to hazardous and/or universal waste disposal requirements.

FACILITY DESCRIPTION

The Site is located at 67 Independence Drive in Augusta, Maine. The Site location is shown on the attached Figure 1. The Site is currently developed with the Stone Building, which consists of eight interconnected structures built between 1840 and 1958, totaling approximately 260,000 square feet in floor area. The various building sections are described below and shown on the attached Figure 2.

1. Administration Building – four-story masonry and wood-frame building constructed in 1840 with full basement.

2. North Section 1 – three-story masonry and wood-frame building constructed in 1840 with full basement.

3. North Section 2 – three-story masonry and wood-frame building constructed in 1855 with full basement.

4. North Section 3 – three-story masonry and wood-frame building constructed in 1868 with full basement.

5. South Section 1 – three-story masonry and wood-frame building constructed in 1840 with full basement.

6. South Section 2 – three-story masonry and wood-frame building constructed in 1848 with full basement.

7. South Section 3 – three-story masonry and wood-frame building constructed in 1870 with full basement.

8. Central Building – multi-story building constructed in 1875 with additions in 1958 and connected to the Administration Building. **Please note that the Central Building was not included in the scope of work for this HBMI.**

According to the Request for Proposals (RFP) issued by the Maine Bureau of General Services, the State is preparing to "mothball" the building, including assessment and abatement of existing environmental hazards. Ransom understands that there is no specific plan to renovate or demolish any portion of the Stone Building, rather this work was requested to facilitate potential future redevelopment.

LIMITATIONS

This HBMI is subject to certain limitations, which must be considered when interpreting the results. Only a fully destructive survey, in which the inspector has complete access to all areas of the Site, will be able to identify most potentially hazardous materials associated with a facility. Circuit boxes, wire sheathing, and other electrical components may have insulators that contain asbestos. These materials were not evaluated due to the risk of electrical shock.

The information presented in this report is based upon work undertaken by trained professional and technical staff in accordance with generally accepted engineering and scientific practices current at the time the work was performed. Conclusions represent the professional judgment of Ransom based on the data obtained from the work and the site conditions encountered at the time the work was performed and are not to be construed as legal advice.

In addition to these general stipulations, additional site-specific limitations are as follows:

1. Our survey was conducted utilizing destructive inspection and sampling techniques, using hand tools only. Limited additional suspect materials may be present in concealed or inaccessible spaces, including wall and ceiling cavities, subflooring layers, inside machinery/mechanical units, etc., which may be disturbed as part of the future renovations.

2. Several rooms within the administrative section of the Site building (rooms 203, 207, 209, and limited additional closets/rooms) and one room within Section 2 of the South Wing (room 302) were found to be locked/secured at the time of Ransom's inspection. Should additional unidentified materials be located within these rooms, they must be treated as PACM until sampling and laboratory analysis concludes otherwise.

3. The scope of our inspection was limited to observation of aboveground conditions, and may not identify subterranean materials such as foundation sealants, underground steam lines, asbestos-cement utility piping, etc.

4. The scope of work did not include assessment or evaluation of the section of the Stone Building identified as the Central Building.

HISTORICAL DOCUMENTATION

As part of this HBMI, Gale personnel provided Ransom with a copy of one report which included limited discussions of hazardous materials previously identified in portions of the Site building. In addition, the Maine Department of Environmental Protection (MEDEP), Bureau of Remediation provided Ransom with limited information regarding previous abatement of hazardous materials at the Site.

Historical documentation provided for this Site is detailed below. Please refer to Attachment B for a copy of this report.

1. Limited Asbestos & Lead-based Paint Survey. Prepared by Air Quality Management & Laboratory Services, dated December 14, 2007 (Supplemental Appendix dated May 3, 2016).

ASBESTOS-CONTAINING MATERIALS

Ransom conducted an inspection of the Site for the presence of ACM on December 15 through 17, 2021. The scope of the ACM inspection included the identification, quantification, and sampling of accessible suspect building materials on the Site building's interior and exterior. The inspection was conducted by Eriksen Phenix and Bonnie Best of Ransom, both of whom are certified by the State of Maine and accredited by the United States Environmental Protection Agency (U.S. EPA) as asbestos inspectors.

Copies of Mr. Phenix's and Ms. Best's most recent training certificates and state asbestos inspector certifications are provided as Attachment C.

In the State of Maine, OSHA, the U.S. EPA, and the MEDEP are responsible for regulating the release of asbestos into the environment and protecting workers from exposure to airborne asbestos fibers. OSHA defines ACM as "any material containing more than one percent asbestos." MEDEP defines ACM as "any material containing asbestos in quantities greater than or equal to one percent by volume as determined by weight, visual evaluation, and/or point count analysis." Bulk samples of friable miscellaneous materials (e.g., drywall, joint compound, fiber ceiling tile) were analyzed using the *Method for the Determination of Asbestos in Bulk Building Materials*, EPA/600/R-93/116 (1993) via polarized light microscopy (PLM) visual estimation. Non-friable organically bound (NOB) materials (e.g., floor tiles, roofing materials, mastics) were analyzed using PLM NOB–EPA/600/R-93/116 using the gravimetric reduction method (GRM).

Samples were analyzed by Optimum Analytical and Consulting, LLC (Optimum) of Salem, New Hampshire. Optimum is a Maine-licensed asbestos analytical laboratory and is also certified to perform bulk sample analysis by the National Voluntary Laboratory Accreditation Program (NVLAP). Copies of Optimum's relevant accreditations/certifications are provided as Attachment C. Laboratory analysis of bulk samples identified ACM on site.

The following is a brief discussion of the ACM identified, with details by Site building area/section. Refer to Figure 2 for the layout of the Site building, Site building area/section designations, and approximate dates of construction.

Exterior (Figure 3)

Identified Asbestos-Containing Materials

1. **Window glazing (sample set EX-01)**: Approximately 627 windows with ACM window glaze are associated with the Site building. Window counts by building areas are detailed in Table 1; and

2. **Window caulk (sample set EX-02)**: ACM containing window caulk is located between the masonry/stone and the window and door casings throughout the Site building. Ransom identified approximately 627 windows and approximately twenty-five doorways associated with ACM caulking. Window counts by building areas are detailed in Table 1.

Basement Area (Figure 4)

Identified Asbestos-Containing Materials

1. **TSI Pipe Wrap (sample set B-02)**: An estimated total of 60 linear feet of TSI pipe wrap was observed within select rooms off the main corridors within the basement area of the Site building. This ACM TSI is in addition to the labeled ACM pipe wrap located within the main corridors and discussed further below as PACM; and

2. **TSI mudded pipe elbows (sample set B-03)**: Two TSI pipe mudded elbows, associated with the pipe wrap discussed above, were observed within select rooms off the main corridor within the basement area of the Site building. These elbows are in addition to the tees and elbows discussed below as PACM.

Presumed Asbestos-Containing Materials

1. **TSI pipe wrap (labeled)**: Ransom observed approximately 1,267 linear feet of TSI pipe wrap labeled as ACM within the corridors of the basement area of the Site building. Observed labeled TSI pipe wrap was primarily, but not entirely, noted within the basement areas beneath the administrative and north wing portions of the Site building. The observed TSI pipe wrap is further detailed by approximate diameter in Table 1.

2. **TSI pipe elbows and tees (associated with labeled pipe wrap)**: Approximately 50 TSI elbows and tees were identified in association with the labeled TSI pipe wrap observed within the corridors of the basement area of the Site building. These observed PACM elbows and tees are listed by approximate sized in Table 1.

3. **Wall Safe, south wing basement area**: The insulted steal-lined walls of a large safe located in the basement area of the Site building likely contains ACM. Should this wall safe be planned for removal/demolition that would impact the inaccessible materials associated with this unit, they should be considered ACM unless sample analysis is conducted showing no ACM.

<u>Administration Building/Area (Figures 5, 6, 7, 8, and 9)</u>

Identified Asbestos-Containing Materials

1. **9-inch x 9-inch floor tiles (sample sets AD-1-01, AD-1-03, AD-2-01, and AD-4-01)**: An estimated 4,177 square feet of ACM floor tile was identified across several floors within the administrative portion of the Site building. The associated mastic tested negative for asbestos.

2. **Mastic (black) associated with 9-inch x 9-inch floor tiles and linoleum (sample sets AD-2-04, AD-2-06, and AD-3-10)**: An estimated 412 square feet of ACM mastic was identified across several floors within the administrative portion of the Site building. The associated floor tiles and linoleum are impacted with this ACM mastic and are considered PACM, as discussed below. The square footage for these PACM materials is included in the quantity of ACM mastic.

Presumed Asbestos-Containing Materials

1. **9-inch x 9-inch floor tiles, two types (black and mottled gray)**: These 9-inch floor tiles are impacted with ACM black mastics identified in this report. In addition, most

floor tiles of this size contain ACM. Sample sets for each of these 9-inch floor tiles (AD-2-03 and AD-2-05) will remain on hold with the laboratory for a period of 90 days should additional analysis be requested.

2. **Linoleum, third floor kitchen**: This linoleum is impacted with ACM black mastic identified in this report. The associated sample set (AD-3-09) will remain on hold with the laboratory for a period of 90 days should additional analysis be requested.

3. **TSI pipe wrap**: TSI pipe wrap was sampled and quantified during a previous HBMI; these results and quantities remain unchanged; and

4. **Wall Safe, first floor**: The insulted steal-lined walls of the large safe located on the first floor of the administrative area of the Site building likely contains ACM. Should this wall safe be planned for removal/demolition that would impact the inaccessible materials associated with this unit, they should be considered ACM unless sample analysis is conducted showing no ACM.

South Wing – Section 1 (Figures 10, 11, and 12)

Identified Asbestos-Containing Materials

1. **12-inch x 12-inch floor tiles (sample set NO-3-21)**: An estimated seventy-one square feet of 12-inch ACM floor tile was identified in a third-floor room in Section 1 of the South Wing of the Site building.

Presumed Asbestos-Containing Materials

1. **Boxes of 9-inch x 9-inch floor tile labeled as ACM**: Twelve boxes of 9-inch ACM floor tile were observed by Ransom stacked in a corner of Room 104 on the first floor of Section 1 within the South Wing of the Site building. All floor tiles within Section 1 of the South Wing appear to have been remediated during a previous abatement effort. It is anticipated that these twelve boxes of flooring were inadvertently left onsite. Ransom sampled the thin layers of residual black mastic left in place in Section 1 of the South Wing (sample set SO-3-01) and asbestos was not detected in the residual thin layer of black mastic.

2. **Plaster, first floor ceiling**: A previous inspection conducted at the Site building (Attachment B) identified 2,700 square-feet of ACM ceiling plaster in association with first floor ceiling of Section 1 within the South Wing of the Site building. Multiple additional plaster samples collected from ceilings and walls throughout Section 1 of the South Wing did not identify additional asbestos containing plasters.

South Wing – Section 2 (Figures 10, 11, and 12)

Identified Asbestos-Containing Materials

1. **12-inch x 12-inch floor tiles (sample set NO-3-30)**: An estimated 440 square feet of 12-inch ACM floor tile was identified in select areas of Section 2 of the South Wing of the Site building. Several rooms appear to have been abated of ACM floor tile, similar to Section 1 of the South Wing.

South Wing – Section 3 (Figures 10, 11, and 12)

Identified Asbestos-Containing Materials

1. **9-inch x 9-inch floor tiles (sample set SO-2-01):** An estimated 172 square feet of ACM 9-inch floor tile was identified beneath 12-inch floor tile within a room on the second floor of Section 3 of the South Wing of the Site building. Additional areas of hidden flooring cannot be entirely ruled out. As discussed below the mastic associated with ACM 9-inch floor tile also contained asbestos.

2. **Mastic (black) associated with hidden 9-inch x 9-inch floor tiles (sample set SO-2-02):** The mastic associated with the hidden 9-inch ACM floor tile discussed above contained asbestos, the approximately 172 square-feet of ACM mastic is included with the total above.

3. **12-inch x 12-inch floor tile, beige mottled (sample set NO-3-30):** Approximately 2,496 square feet of 12-inch ACM floor tile was identified in select areas on the second and third floor of Section 3 of the South Wing within the Site building; and

4. **Residual thick black mastic (sample set SO-3-02):** An estimated 2,875 square-feet of thicker residual mastic was observed within select rooms on all three floors of Section 3 in the South Wing of the Site building. Samples collected identified this thick mastic as ACM.

North Wing – Section 1 (Figures 13, 14, and 15)

Identified Asbestos-Containing Material

1. **9-inch x 9-inch floor tiles (sample sets NO-1-01, NO-3-01)**: An estimated 7,816 square feet of ACM floor tile was identified across all three floors within the Section 1 of the North Wing of Site building. The mastic associated with sample set NO-3-01 (7,232 square feet) tested negative for asbestos; and

2. **Mastic (black) associated with 9-inch x 9-inch floor tiles (sample set NO-1-01-Layer 2)**: An estimated 172 square feet of ACM mastic was identified on the first floor within

Section 1 of the North Wing of the Site building. The associated floor tiles also tested positive for asbestos and are included in the total detailed above.

North Wing – Section 2 (Figures 13, 14, and 15)

Identified Asbestos-Containing Materials

1. **9-inch x 9-inch floor tiles (sample sets NO-1-01, NO-3-01, NO-3-19)**: An estimated 5,580 square feet of 9-inch ACM floor tile was identified across the three floors within the Section 2 of the North Wing of the Site building. The associated mastic tested positive for asbestos and is discussed further below.

2. **Mastic (black) associated with 9-inch x 9-inch floor tiles (sample sets NO-3-19-Layer 2)**: The mastics associated with the estimated 5,580 square feet of ACM 9-inch floor tiles discussed above tested positive for asbestos. The associated floor tiles also tested positive for asbestos and are included in the total detailed above.

3. **12-inch x 12-inch floor tile, pea-green (sample set NO-3-21)**: This set of 12-inch floor tile tested positive for asbestos. Multiple additional 12-inch floor tiles are impacted with ACM mastics and will require abatement and disposal as ACM. Including the PACM 12-inch floor tiles, an estimated 9,450 square feet of ACM or PACM 12-inch floor tile was identified in Section 2 of the North Wing of Site building.

4. **Mastic (black) associated with 12-inch x 12-inch floor tiles (sample sets NO-3-14, NO-3-20-Layer 2)**: The mastics associated with the estimated 9,450 square feet of ACM and PACM 12-inch floor tiles discussed above tested positive for asbestos. Although some 12-inch floor tiles in this building section tested negative for asbestos, all 12-inch floor tiles are known or presumed to be impacted with ACM mastics; and

5. **Mastic associated with gray square pattern linoleum (sample set NO-2-06)**: The mastic associated with ninety-five square-feet of linoleum in a limited area of Section 2 of the North Wing tested positive for asbestos. The linoleum associated with this mastic is impacted with ACM and therefore considered PACM, as discussed below.

Presumed Asbestos-Containing Materials

1. **12-inch x 12-inch floor tiles (multiple types)**: These 12-inch floor tiles are impacted with ACM black mastics identified in this report, and therefore will require abatement and disposal as ACM containing. These PACM 12-inch floor tiles are included in the estimated volume of ACM 12-inch floor tiles discussed above. The associated sample sets of select PACM 12-inch floor tiles (NO-2-03, NO-3-13, NO-3-15, NO-3-16, NO-3-22) will remain on hold with the laboratory for a period of 90 days should additional analysis be requested: and

2. **Linoleum, gray square pattern**: This linoleum is impacted with ACM black mastic identified in this report. The associated sample set (NO-2-03) will remain on hold with the laboratory for a period of 90 days should additional analysis be requested.

North Wing – Section 3 (Figures 13, 14, and 15)

Identified Asbestos-Containing Materials

1. **9-inch x 9-inch floor tiles (sample sets NO-1-04, NO-2-14, NO-3-24, NO-3-25, NO-3-31)**: An estimated 10,038 square feet of ACM 9-inch floor tile was identified across all three floors within the Section 3 of the North Wing of the Site building; with 9-inch ACM floor tiles noted beneath 12-inch floor tiles across several rooms/areas, primarily on the third floor, of this building section. The mastics associated with these 9-inch floor tiles also tested positive for asbestos and are discussed below.

2. **Mastic (black) associated with 9-inch x 9-inch floor tiles (sample sets NO-2-12-Layer 2, NO-3-29, NO-3-31-Layer 2)**: The mastics associated with the estimated 10,038 square feet of ACM 9-inch floor tiles discussed above tested positive for asbestos. The associated floor tiles also tested positive for asbestos and are included in the total detailed above.

3. **12-inch x 12-inch floor tiles (sample set NO-3-30)**: An estimated 11,447 square feet of ACM or PACM 12-inch floor tile was identified on the third floor within the Section 3 of the North Wing of Site building. The mastics associated with these 12-inch floor tiles also tested positive for asbestos and are discussed below. Additional 12-inch floor tiles are impacted with ACM mastics and are discussed below as PACM materials; and

4. **Mastic (black) associated with 12-inch x 12-inch floor tiles (sample sets NO-3-30-Layer 2, NO-3-35-Layer 2)**: An estimated 11,447 square feet of ACM mastic associated 12-inch floor tiles was identified in Section 3 of the North Wing of the Site building; including mastics associated with the ACM 12-inch floor tiles discussed above, and additional 12-inch floor tiles that tested negative for asbestos. Although some 12-inch floor tiles tested negative for asbestos, all 12-inch floor tiles are known or presumed to be impacted with ACM mastics; these floor tiles are considered PACM due to the ACM mastic and are further discussed below.

Presumed Asbestos-Containing Materials

1. **9-inch x 9-inch floor tile (beige with red and black mottles)**: These 9-inch floor tiles are impacted with ACM black mastics identified in this report. In addition, most floor tiles of this size contain ACM. A sample set of this 9-inch floor tile (NO-3-28) will remain on hold with the laboratory for a period of 90 days should additional analysis be requested. These PACM 9-inch floor tiles are included in the estimated volume of ACM 9-inch floor tiles discussed above.

2. **12-inch x 12-inch floor tiles (multiple types)**: These 12-inch floor tiles are impacted with ACM black mastics identified in this report, and therefore will require abatement and disposal as ACM containing. These PACM 12-inch floor tiles are included in the estimated volume of ACM 12-inch floor tiles discussed above.

3. **Pipe wrap (kitchen areas)**: An estimated ninety linear feet of PACM pipe wrap was observed in the kitchen areas of this building section. The observed pipe wrap appeared to be associated with exposed hot water piping in these kitchen areas; and

4. **Plaster, third floor ceiling**: A previous inspection conducted at the Site building (Attachment B) identified 3,600 square-feet of ACM ceiling plaster in association with third floor ceiling of Section 3 within the North Wing of the Site building. Multiple additional plaster samples collected from ceilings and walls throughout Section 3 of the North Wing did not identify additional asbestos containing plasters.

The MEDEP requires consultants to advise the building owner or owner's agent whenever the asbestos analytical laboratory has reported suspect ACM below ten percent asbestos. The owner or owner's agent may either elect to treat these materials as positive for asbestos or have the samples re-analyzed using an alternate method as listed below:

1. PLM EPA/600R-93/116 – Point Count (friable ACM); or

2. TEM

    a. U.S. EPA NOB EPA/600/R-93/116b §2.5; or
    b. TEM Chatfield Method.

Re-analysis of samples testing negative for asbestos is not required. The following materials identified during Ransom's investigation fall within this range:

1. 9-inch and 12-inch vinyl floor tiles multiple tiles in multiple areas.

2. Mastics (black) associated with 9-inch and 12-inch vinyl floor tiles and select linoleums.

3. Residual mastic (thick) located in select areas of the South Wing of Site building.

4. Window glazing, throughout; and

5. Window and door caulking, throughout.

Based on the nature of the materials identified and the concentrations of asbestos fiber detected, re-analysis is not recommended at this time.

A listing of all samples collected, analytical results, and estimated quantities of confirmed ACM can be found in Table 1. Table 1 also includes descriptions of all identified but un-sampled materials that must be considered PACM until future sampling can either confirm or refute this presumption.

Copies of the laboratory analytical reports can be found as Attachment D.

Asbestos fibers present potential health hazards when they become airborne. Federal regulations suggest that ACM may be managed in place as long as it remains intact, undamaged, and in good condition. Current regulations require that asbestos-containing building materials be removed if they will be disturbed by demolition, renovation, or other building maintenance activities. ACM identified at the Site that will be impacted by proposed redevelopment will require removal prior to the initiation of these activities. ACM abatement should be performed using approved methods in accordance with applicable federal and state regulations. ACM should be removed by a licensed asbestos abatement contractor and in accordance with a project design prepared by a certified asbestos abatement project designer.

Building materials containing trace amounts of asbestos (less than one percent) are not regulated by the U.S. EPA or the State of Maine; however, removal of building materials with less than one percent asbestos is considered by OSHA as “unclassified asbestos work” and certain OSHA requirements under the Asbestos in Construction standard (29 CFR 1926.1101) are applicable. General demolition contractors may remove these materials provided that applicable OSHA requirements are employed, which include notification of workers of the presence of ACM, wet removal methods, prompt clean-up and disposal in leak-tight containers, and personal exposure monitoring.

Asbestos-containing roof materials are exempt from MEDEP asbestos abatement regulations, provided that these materials are removed wholly intact and are not sawed, sanded, grinded, cut, or drilled during demolition or renovation. OSHA regulations still apply, and it is recommended that State of Maine-licensed asbestos abatement contractors conduct the removal of ACM roofing materials. Asbestos-containing waste generated from this project would be considered a “special waste” and require disposal in a landfill permitted to accept asbestos. **Please note that sampling of roofing materials for ACM was NOT included in the scope of work for this HBMI**.

Although MEDEP exempts the removal of asbestos-containing joint compound used to fill nail holes and tape seams in building component systems from its asbestos management regulations, OSHA does not. OSHA standard 29 CFR 1926.1101 applies since the removal of asbestos-containing joint compound could result in an exposure to asbestos greater than the permissible exposure limit of 0.1 fiber per cubic centimeter. OSHA issued a letter of interpretation (addressed to Mr. Mark Wiggins, OSHA Standards Officer, South Carolina Department of LLR-OSHA and dated May 14, 1998) indicating that the removal of asbestos-containing joint compound is considered Class II asbestos work. Asbestos containing joint compound was not encountered during the course of this HBMI.

LEAD-BASED PAINT

An inspection for the presence of LBP was conducted using a direct-reading x-ray fluorescence (XRF) analyzer manufactured by Innov-X. The inspection included XRF readings collected from walls,

windows, doors, casings/jambs, and other miscellaneous surfaces on a variety of substrates including wood, metal, concrete, asphalt, plaster, and drywall.

Please note that the LBP sampling conducted during this HBMI does not constitute a U.S. EPA/HUD-compliant lead survey.

Ransom collected a total of 97 XRF readings for lead content from various building components and surfaces throughout the various sections of the Site building. Results ranged from below the instrument reporting limit of 0.01 milligrams per square centimeter (mg/cm^2) to greater than 5 mg/cm^2. Sample results are provided in Table 2.

HUD has established a standard for characterizing LBP as any paint containing 1.0 milligram per square centimeter (mg/cm^2) lead as tested using an XRF analyzer, or 0.5 percent lead by weight for paint chips. These materials are considered to be "lead-based paint" according to Section 1017 of the *Residential Lead-Based Paint Hazard Reduction Act of 1992* (also referred to as Title X). HUD LBP guidelines only apply to housing funded by the federal government. While they are not regulatory considerations in commercial applications, these guidelines are a useful reference for assessing hazards associated with lead in paint in non-residential settings. When paint contains lead in concentrations greater than 1.0 mg/cm^2 or 0.5 percent by weight, special care should be taken when conducting activities that impact this paint. When surfaces covered in paint containing lead *at any concentration* are impacted by abrasive blasting, torch burning, or similar activities that generate significant dust or fumes, hazardous airborne concentrations can be generated even if the lead content is below the HUD standard.

The U.S. EPA *Renovation, Repair and Painting Rule* (the RRP Rule) as outlined in 40 CFR 745 applies to housing and child-occupied facilities built before 1978. Under this rule, any work done for compensation that disturbs more than six square feet of LBP in a housing unit or child-occupied facility constructed before 1978 must be done by certified renovators employed by certified contractors. LBP is assumed to be present unless a certified inspector or renovator determines that there is less than the specified level of lead in components affected by the renovation. Contractors are required to test for LBP before beginning any renovation. Contractors must take U.S. EPA-approved training classes, provide specified information to owners and occupants, and comply with the work practice standards, record-keeping requirements, and notification requirements specified in the RRP Rule.

Lead waste, including LBP waste, with the exception of household waste, may be subject to the hazardous waste requirements of the U.S. EPA's Resource Conservation and Recovery Act (RCRA). When LBP waste is generated as a result of LBP activities in residential settings, whether single-unit or multi-unit residences, they are considered household waste in Maine. As such, these materials may be disposed of as part of the household's waste stream and transported directly from the residence to an appropriate solid waste facility. According to Maine's Lead Management Regulations (Chapter 424) residential LBP waste materials must be wrapped in a protective covering with taped seams and placed in closed, puncture-resistant containers for disposal. Disposal of residential LBP is managed under Maine's Solid Waste Regulations (Chapter 400 et seq.). LBP waste generated from a location other than a residence, Maine's Hazardous Waste Regulations apply. In the event that a contractor moves residential LBP waste to another facility prior to disposal, that contractor will be considered the generator and Maine's Hazardous Waste Regulations also apply.

To determine the required method for the disposal of items that are coated with LBP and are not household waste, the U.S. EPA and the MEDEP require representative sampling of the debris to determine the quantity of lead that would be expected to leach into the environment if the debris were disposed of in a landfill. The representative sample(s) must be analyzed by Toxicity Characteristic Leaching Procedure (TCLP). If concentrations are 5 milligrams per liter (mg/l) or greater, the debris must be disposed of as hazardous waste. If concentrations are less than 5 mg/l, the debris is not regulated, and materials may be disposed of as general construction debris. To minimize the total volume of hazardous waste (if present), segregating hazardous from non-hazardous waste is advisable.

POLYCHLORINATED BIPHENYLS IN BUILDING MATERIALS

PCBs may be present in building materials (including caulking, glazing, adhesives, and paints) in buildings constructed between 1950 and 1978, particularly in schools and other institutional buildings. Buildings constructed prior to 1950 may also have PCB-containing building products as a result of renovation projects that may have occurred between 1950 and 1978. PCB-containing building products are considered *PCB bulk product waste* by the U.S. EPA if the concentration of PCBs in the material is greater than or equal to 50 milligrams per kilogram (mg/kg). Building materials with PCB concentrations $\geq$ 50 mg/kg is not authorized for use under *Part 761—Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions* and must be managed accordingly.

The definition of PCB bulk product waste also includes building materials that have been coated or serviced with PCBs. Masonry, wood, metals, and other building materials that are purposely coated with PCB-containing products are regulated as PCB bulk product waste if the product coating the building materials contains PCBs at concentrations $\geq$ 50 mg/kg *and* subsequently the building materials have concentrations $\geq$ 50 mg/kg as a result of leaching into the substrate.

To evaluate the potential presence of PCBs in building materials, Ransom collected eight bulk samples of caulking materials collected from the interface of exterior door and window casings and the stone masonry for confirmatory laboratory analysis. The samples were placed in laboratory-supplied glassware, placed in a cooler with ice, and delivered under chain-of-custody to Alpha Analytical, Inc. (Alpha) of Westborough, Massachusetts for PCB analysis via U.S. EPA Method 8082A and using the Soxhlet extraction method, U.S. EPA Method 3540C.

Laboratory analysis determined that none of the eight samples collected contain PCB at concentrations above laboratory detection limits, which were below the regulatory standard for PCBs in building materials (50 mg/kg).

Based on analytical results, these materials are not a regulated waste under 40 CFR 761and no remedial action regarding PCBs in building materials is required at this time. However, please note that this caulking material tested positive for asbestos and must be treated as ACM as discussed further in the asbestos-containing materials section of this report.

Laboratory results from PCB testing are provided in Table 3, and the analytical data sheets are provided as Attachment D.

There is currently no requirement to test building materials for PCBs. However, the U.S. EPA recommends testing caulk or other suspect building materials prior to demolition, renovation, or repair activities that may disturb the material, or if there is visibly peeling or cracking of the material inside the building. Before testing is conducted, a strategy to address positive findings should be developed. If PCBs are found in building materials, federal law requires the mitigation of potential exposure and removal and disposal of PCBs in accordance with federal and state regulations.

OTHER HAZARDOUS AND POTENTIALLY HAZARDOUS MATERIALS

An inventory of all other hazardous and potentially hazardous materials identified at the Site can be found in Table 4.

Polychlorinated Biphenyls

PCB-containing oil is sometimes found in compressor oils, hydraulics fluids, and the dielectric fluid of older electrical transformers and the capacitors associated with older fluorescent light ballasts. Although electrical equipment is currently required to be properly labeled indicating the presence or absence of PCBs, this has not always been the case. Ransom observed approximately 1,360 fluorescent light ballasts within the Site buildings which may have PCB-containing components. No overt evidence of a release of PCBs from the fixtures (i.e., leaking fluid) was observed. Fixtures/ballasts were not visually inspected for the presence of a “No PCBs” label due to safety concerns. When a “No PCBs” label is not observed, Ransom must presume that those fluorescent light ballasts contain PCBs.

Ransom recommends that ballasts be inspected for the “No PCBs” label prior to demolition or renovation activities. Fluorescent light ballasts without the “No PCBs” label is presumed to contain PCBs and should be managed as hazardous waste and recycled or disposed of in accordance with applicable federal and state regulations. The cost of disposal of these ballasts (approximately $12 each) is several times less than the cost of testing the capacitor fluid for PCB content (approximately $75 each).

Mercury-Containing Components

Mercury-containing components such as fluorescent light tubes and thermostat switches are classified as Universal Waste and are regulated by the U.S. EPA under 40 CFR Parts 260–273. The Universal Waste Rule provides streamlined management requirements tailored to several different kinds of waste. The types of waste covered by the Universal Waste Rule are frequently thrown in the trash by unregulated households and small businesses. Classifying an item as a Universal Waste provides flexibility for its proper management and can prevent the item from entering municipal waste streams. Instead, it can be readily collected and disposed of at a hazardous waste facility. Ransom observed approximately 2,472 fluorescent light tubes and compact fluorescent light bulbs, and approximately eighteen high intensity lamps that may contain mercury.

Components presumed to contain mercury should be removed and recycled in accordance with Universal Waste regulations prior to proposed redevelopment activities that may impact them.

Ozone-Depleting Substances

Certain compounds used in air conditioning and refrigeration equipment have been identified by the U.S. EPA as ODS due to their potential to accelerate the breakdown of stratospheric ozone. The U.S. EPA promulgated regulation 40 CFR 82 (*Protection of Stratospheric Ozone*) under Title VI of the Clean Air Act Amendments of 1990 (CAAA), which includes the phase-out of production and importing of ODS in the U.S. Under Title VI of the CAA, the U.S. EPA established a schedule for phasing out most ODS by the year 2000, with the implementation of additional controls to minimize ODS emissions for the remaining materials. Ransom observed twelve window or wall mount air conditioning units and three refrigerant compressors that may contain ODS.

Before initiating demolition or renovation activities, the U.S. EPA recommends identifying refrigeration or air-conditioning equipment within a building, recovering the refrigerant, and either sending the refrigerant to a U.S. EPA-certified reclaimer, sending the refrigerant to a permitted destruction facility, or safely storing the refrigerant. Section 608 of the CAA prohibits the intentional venting of refrigerants into the atmosphere during the disposal of equipment, although the release of *de minimis* quantities during the process of making good faith efforts to comply with these regulations is not subject to penalty.

Heavy Metals

Ransom identified approximately ninety-four emergency lights that are typically powered by batteries containing various heavy metals. Components presumed to contain heavy metals should be removed and recycled in accordance with Universal Waste regulations prior to proposed redevelopment activities that may impact them.

Miscellaneous Items

In addition to building materials, biological hazards in the form of bird and bat droppings and bird carcasses were observed within the Site building. These observations were made to some extent throughout the Site building but were more prevalent on the upper levels and within the central administrative portion of the Site building. Ransom recommends that bird and bat droppings and animal carcasses be treated as potentially hazardous materials and handled by trained workers using personal protective equipment prior to proposed redevelopment activities that may impact the area. Ransom understands that a separate contractor specializing in animal infestation and waste issues has been retained by the client for the full identification/quantification of building areas impacted by animal wastes and will make any associated remedial recommendations in a separate report.

CONCLUSIONS AND RECOMMENDATIONS

Based on the results of this HBMI, Ransom makes the following conclusions and recommendations.

ACM were identified at the Site. Materials identified as ACM that may be impacted by any future redevelopment should be properly removed prior to demolition or renovation activities.

Mr. Steven Marshall
Gale Associates Inc.

Select flooring samples collected during the current investigation were not analyzed by the laboratory because the associated mastic tested positive for asbestos. As such these flooring materials are considered ACM and will require abatement and disposal as ACM. Additional materials are considered PACM as they were identified as asbestos containing during previous inspections or were considered PACM by Ransom onsite due to asbestos labeling. Additional suspect materials may also be present. Intact ACM may potentially be managed in-place, and may not necessarily require removal, as long as they remain intact, undamaged, and in good condition.

Several painted surfaces inspected were determined to contain lead at high enough concentrations to delineate the paint as "lead-based" according to HUD guidelines. These guidelines apply to federal housing projects and are referenced for comparison purposes only. It should be noted that handling of components coated with paint containing lead *at any concentration* (referred to as lead-containing paint) requires compliance with OSHA's lead standards.

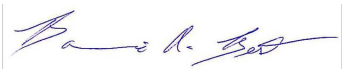
No building materials were identified as PCB Bulk Product Waste as provided by 40 CFR 761; therefore, no remedial action regarding PCBs in building materials is required at this time.

Ransom inventoried items at the Site during the course of this investigation that may contain PCBs, mercury, ODS, heavy metals, and other potentially hazardous materials. Any of these items that may be impacted by future redevelopment should be removed from the Site and properly recycled or disposed of in accordance with applicable federal and state regulations prior to renovation or demolition activities.

If you have any questions regarding the information in this report, please do not hesitate to contact any of the undersigned.

Sincerely,

RANSOM CONSULTING, LLC



Bonnie A. Best
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BAB/EPP/NOS: mes
Attachments

TABLE 1: SUMMARY OF ASBESTOS TESTING RESULTS
Hazardous Building Materials Inventory
Former Maine State Hospital: Stone Building
67 Independence Drive
Augusta, Maine

Material	Location	Sample Number	Asbestos Quantity and Type[2,4]	Estimated Quantity[3]
Exterior				
Window glaze	**Window units**	**EX-01A and EX-01B**	**Trace**	**Quantity listed below by building area**
		EX-01C	**2.14% Chrysotile**	
	Administrative Building			**97 EA**
	South Wing - Section 1			**79 EA**
	South Wing - Section 2			**88 EA**
	South Wing - Section 3			**93 EA**
	North Wing - Section 1			**69 EA**
	North Wing - Section 2			**100 EA**
	North Wing - Section 3			**101 EA**
Caulking	**Window units / Door units**	**EX-02A**	**2% Chrysotile**	**Quantity listed below by building area**
		EX-02B and EX-02C	**NA/PS**	
	Administrative Building			**97 EA / 15 EA**
	South Wing - Section 1			**79 EA / --**
	South Wing - Section 2			**88 EA / 2 EA**
	South Wing - Section 3			**93 EA / 3 EA**
	North Wing - Section 1			**69 EA / --**
	North Wing - Section 2			**100 EA / 2 EA**
	North Wing - Section 3			**101 EA / 3 EA**
Basement and Attic				
TSI - Boiler Jacket	Basement area - south wing	B-01A through B-01C	NAD	
TSI - Pipe wrap	**Basement area - select rooms**	**B-02A**	**55% Amosite**	**60 LF**
		B-02B and B-02C	**NA/PS**	
Labeled TSI Piping Runs - Pipe Wrap - 3 inch	***Basement area - Corridors***	***NA***	***PACM***	***228 LF***
Labeled TSI Piping Runs - Pipe Wrap - 6 inch	***Basement area - Corridors***	***NA***	***PACM***	***609 LF***
Labeled TSI Piping Runs - Pipe Wrap - 10 inch	***Basement area - Corridors***	***NA***	***PACM***	***370 LF***
TSI - Mudded Fittings	**Basement area - select rooms**	**B-03A**	**35% Chrysotile**	**2 EA**
		B-03B and B-03C	**NA/PS**	
Labeled TSI Piping Runs - Elbows and Tees - 3 inch	***Basement area - Corridors***	***NA***	***PACM***	***9 EA***
Labeled TSI Piping Runs - Elbows and Tees - 6 inch	***Basement area - Corridors***	***NA***	***PACM***	***20 EA***
Labeled TSI Piping Runs - Elbows and Tees - 10 inch	***Basement area - Corridors***	***NA***	***PACM***	***21 EA***
Wall Safe	***Basement area - south wing***	***NA***	***PACM***	***1 EA***
White Insulation (blown-in)	Attic	A-01A through A-01C	NAD	
Administrative Building/Area				
9'X9' Vinyl floor tile - Blue mottled	**First floor: Rooms 101, 102, and Side Foyer**	**AD-1-01A**	**2.24% Chrysotile**	**258 SF**
		AD-1-01B and AD-1-01C	**NA/PS**	
Mastic associated with 9"x9" vinyl floor tile - Blue mottled (AD-1-02)	First floor: Rooms 101, 102, and Side Foyer	AD-1-02A through AD-1-02C	NAD	
9"x9" vinyl floor tile - brown w/ black mottles	**First floor: Rooms 108, 108A, 102, 103, 105A**	**AD-1-03A**	**4.2% Chrysotile**	**597 SF**
		AD-1-03B and AD-1-03C	**NA/PS**	
Mastic associated with 9"x9" vinyl floor tile - brown w/ black mottles (AD-1-03)	First floor: Rooms 108, 108A, 102, 103, 105A	AD-1-04A through AD-1-04C	NAD**	
1'x1' Ceiling tile	First floor: Rooms 105, 105A, 110	AD-1-05A through AD-1-05C	NAD	
12"x12" Vinyl floor tile - Green	First floor: Room 110	AD-1-06A through AD-1-06C	NAD	
Mastic associated w/ 12"x12" Vinyl floor tile - Green (AD-1-06)	First floor: Room 110	AD-1-07A through AD-1-07C	NAD**	

TABLE 1: SUMMARY OF ASBESTOS TESTING RESULTS
Hazardous Building Materials Inventory
Former Maine State Hospital: Stone Building
67 Independence Drive
Augusta, Maine

Material	Location	Sample Number	Asbestos Quantity and Type[2,4]	Estimated Quantity[3]
Administrative Building/Area				
Sheet flooring - Green	First floor: Room 110A and bathroom	AD-1-08A through AD-1-08C	NAD	
Mastic associated w/ sheet flooring - Green	First floor: Room 110A and bathroom	AD-1-09A through AD-1-09C	NAD	
Drywall	First floor: Room 110 ceiling	AD-1-10A through AD-1-10C	NAD	
Joint compound associated with drywall	First floor: Room 110 ceiling	AD-1-11A through AD-1-11C	NAD	
Carpet mastic	First floor: Room 105	AD-1-12A through AD-1-12C	NAD	
9'x9' Vinyl floor tile - mottled tan	**Second floor - Halls and Landing**	**AD-2-01A**	**4% Chrysotile**	**784 SF**
		AD-2-01B and AD-2-01C	**NA/PS**	
Mastic associated w/ 9'x9' Vinyl floor tile - mottled tan (AD-2-01)	Second floor - Halls and Landing	AD-2-02A through AD-2-02C	NAD	
9"x9" Vinyl floor tile - mottled gray	***Second floor - Room 204***	***AD-2-03A through AD-2-03C***	***PACM (AD-2-04)***	***Included with AD-2-04***
Mastic associated w/ 9"x9" vinyl floor tile - mottled gray (AD-2-03)	**Second floor - Room 204**	**AD-2-04A**	**3% Chrysotile**	**298 SF**
		AD-2-04B and AD-2-04C	**NA/PS**	
9"x9" Vinyl floor tile - black	***First Floor: Borders in select rooms Second floor - threshold to Room 206***	***AD-2-05A through AD-2-05C***	***PACM (AD-2-06)***	**Included with AD-1-01, AD-1-03, AD-2-06**
Mastic associated with 9"x9" Vinyl floor tile - black (AD-2-05)	**Second floor - threshold to Room 206**	**AD-2-06A**	**2.18% Chrysotile**	**4 SF**
		AD-2-06B and AD-2-06C	**NA/PS**	
Ceramic floor tile grout	Second floor - Bathroom	AD-2-07A through AD-2-07C	NAD	
Vibration gasket	Second floor - Rear hallway	AD-2-08A through AD-2-08C	NAD	
Sheet flooring - Brown/red	Second floor - Rear hallway	AD-2-09A through AD-2-09C	NAD	
Mastic associated w/ Sheet flooring - Brown/red (AD-2-09)	Second floor - Rear hallway	AD-2-10A through AD-2-10C	NAD	
Linoleum - closet	Third floor - Closet	AD-3-01A through AD-3-01C	NAD	
1'x2' Ceiling tile - solid	Third floor - Room 307	AD-3-02A through AD-3-02C	NAD	
12"x12" Vinyl floor tile - Tan	Third floor - Entryway	AD-3-03A through AD-3-03C	NAD	
Mastic associated w/ 12"x12" Vinyl floor tile (tan) (AD-3-03)	Third floor - Entryway	AD-3-04A through AD-3-04C	NAD	
Ceramic wall tile grout	Third floor - Bathroom (309A)	AD-3-05A through AD-3-05C	NAD	
Ceramic floor tile grout	Third floor - Bathroom (309A)	AD-3-06A through AD-3-06C	NAD	
Ceramic wall tile grout	Third floor - Bathroom (301A)	AD-3-07A through AD-3-07C	NAD	
Ceramic floor tile grout	Third floor - Bathroom (301A)	AD-3-08A through AD-3-08C	NAD	
Linoleum - kitchen	***Third floor - Kitchen (305)***	***AD-3-09A through AD-3-09C***	***PACM (AD-3-10)***	***Included with AD-3-10***
Mastic associated w/ Linoleum - kitchen (AD-3-09)	**Third floor - Kitchen (305)**	**AD-3-10A**	**3.75% Chrysotile**	**110 SF**
		AD-3-10B and AD-3-10C	**NA/PS**	
Hearth grout	Third floor - Fireplace hearths	AD-3-11A through AD-3-11C	NAD	
Vinyl stair tread - brown	Central Staircase	AD-3-12A through AD-3-12C	NAD	
Mastic associated with Vinyl stair tread - brown (AD-3-12)	Central Staircase	AD-3-13A through AD-3-13C	NAD*	
9"x9" Vinyl floor tile - tan	**Fourth floor - throughout**	**AD-4-01A**	**2.7% Chrysotile**	**2,538 SF**
		AD-4-01B and AD-4-01C	**NA/PS**	
Mastic associated w/ 9"x9" Vinyl floor tile - tan (AD-4-01)	Fourth floor - throughout	AD-4-02A through AD-4-02C	NAD	
2'x2' Ceiling tile - random dot	Fourth floor - Room 404	AD-4-03A through AD-4-03C	NAD	

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Augusta, Maine

Material	Location	Sample Number	Asbestos Quantity and Type[2,4]	Estimated Quantity[3]
Administrative Building/Area				
12"x12" Vinyl floor tile - gray	Fourth floor - Entryway between rooms 404, 406A	AD-4-04A through AD-4-04C	NAD	
Mastic associated w/ 12"x12" vinyl floor tile - gray (AD-4-04)	Fourth floor - Entryway between rooms 404, 406A	AD-4-05A through AD-4-05C	NAD	
1'x1' Ceiling tile	Fifth floor - throughout	AD-5-01A through AD-5-01C	NAD	
Drywall	Fifth floor - limited areas	AD-5-02A through AD-5-02C	NAD	
12"x12" Vinyl floor tile - tan	Fifth floor - Stairway landing, bath, closet	AD-5-03A through AD-5-03C	NAD (same as AD-3-03)	
12'X12" Vinyl floor tile - blue	Fifth floor - Stairway landing, bath, closet	AD-5-04A through AD-5-04C	NAD	
Mastic associated w/ 12"x12" Vinyl floor tile - blue and tan (AD-05-03 and AD-05-04)	Fifth floor - Stairway landing, bath, closet	AD-5-05A through AD-5-05C	NAD	
TSI - Pipe Wrap	***First floor***	***NA (previously identified)***	***PACM***	***160 LF***
	Second floor	***NA (previously identified)***	***PACM***	***244 LF***
	Third floor	***NA (previously identified)***	***PACM***	***58 LF***
	Fourth floor	***NA (previously identified)***	***PACM***	***170 LF***
Plaster walls	Throughout	NA (previously identified)	NAD	
Plaster ceilings	Throughout	NA (previously identified)	NAD	
Wall Safe	***First floor***	***NA***	***PACM***	***1 EA***
South Wing, Section I				
Carpet mastic	Throughout	SO-1-01A through SO-1-01C	NAD	
Residual black mastic (thin)	Throughout	SO-3-01A through SO-3-01C	NAD	
Boxed ACM Floor Tile	***First floor***	***NA (Labeled)***	***PACM (Labeled boxes)***	***12 EA***
12"x12"Vinyl floor tile - pea green	**Third floor - Room 312**	**NO-3-21A**	**3.28% Chrysotile**	**71 SF**
		NO-3-21B and NO-3-21C	**NA/PS**	
Plaster walls	Throughout	NA (previously identified)	NAD	
Plaster ceilings	Second and Third floors - ceilings	NA (previously identified)	NAD	
Plaster ceiling	***First floor - ceiling only***	***NA (previously identified)***	***PACM (previous report)***	***2,700 SF***
South Wing, Section II				
12"x12" vinyl floor tile - beige mottled	**Second and Third floors: At elevator landing Third Floor: Room 301**	**Same as NO-3-30A**	**1.08% Chrysotile**	**440 SF**
		Same as NO-3-30B and NO-3-30C	**NA/PS**	
Residual black mastic (thin)	Select areas of removed floor tile	Same as Section I (SO-3-01)	NAD	
Plaster walls	Throughout	NA (previously identified)	NAD	
Plaster ceiling	Throughout	NA (previously identified)	NAD	
South Wing, Section III				
9"x9" vinyl floor tile (beneath 12" VFT tile)	**Second floor: Room 206**	**SO-2-01A**	**3.48% Chrysotile**	**172 SF**
		SO-2-01B and SO-2-01C	**NA/PS**	
Mastic (black) associated w/ 9"x9" vinyl floor tile (SO-2-01) (beneath 12-inch VFT)	**Second floor: Room 206**	**SO-2-02A**	**3% Chrysotile**	**included with SO-2-01**
		SO-2-02B and SO-2-02C	**NA/PS**	
12"x12" vinyl floor tile - beige mottled	**Second & Third floors: Dining Rooms and abutting Activity Rooms**	**Same as NO-3-30A**	**1.08% Chrysotile**	**2,496 SF**
		Same as NO-3-30B and NO-3-30C	**NA/PS**	
Residual black mastic (thick)	**First Floor: Rooms 104 thru 114 Second Floor: Rooms 204, 209 thru 214 Third floor: Rooms 304 thru 306 and 308 thru314**	**SO-3-02A**	**2.05% Chrysotile**	**2,875 SF**
		SO-3-02B and SO-3-02C	**NA/PS**	
Plaster walls	Throughout	NA (previously identified)	NAD	
Plaster ceilings	Throughout	NA (previously identified)	NAD	

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North Wing, Section I				
9"x9" Vinyl floor tile	**First floor - Room 101**	**NO-1-01A**	**1.86 % Chrysotile**	**172 SF**
		NO-1-01B and NO-1-01C	**NA/PS**	
Black mastic assoc. w/ 9"x9" vinyl floor tile (NO-1-01)	**First floor - Room 101**	**NO-1-01A (layer 2)**	**2.3 % Chrysotile**	**Included with NO-1-01**
		NO-1-01B and NO-1-01C	**NA/PS**	
Linoleum - Brown granite	First floor - Room 114	NO-1-02A through NO-1-02C	NAD	
Linoleum - Light tan mottled	First floor - Room 116	NO-1-03A through NO-1-03C	NAD	
9"x9" Vinyl floor tile - black with mottles	**First, Second, & Third floor - Throughout**	**NO-3-01A**	**2.98% Chrysotile**	**7,232 SF**
		NO-3-01B and NO-3-01C	**NA/PS**	
Mastic associated w/ 9"x9" Vinyl floor tile - black with mottles (NO-3-01)	Third floor	NO-3-02A through NO-3-02C	*NAD	
12"x12" Vinyl floor tile - Pink	Third floor - Stairwell Landings	NO-3-03A through NO-3-03C	NAD	
Ceramic wall tile grout (blue tiles)	Bathrooms	NO-3-04A through NO-3-04C	NAD	
Ceramic floor tile grout (1" multi-color tiles)	Bathrooms	NO-3-05A through NO-3-05C	NAD	
Mastic associated w/ 12"x12" vinyl floor tile - pink (NO-3-03)	Third floor - Stairwell Landings	NO-3-06A through NO-3-06C	*NAD	
1'x1' Ceiling tile (decorative)	Hallways Throughout	NO-3-07A through NO-3-07C	NAD	
Glue dobs associated with 1'x1' ceiling tile (decorative) (NO-3-07)	Hallways Throughout	NO-3-08A through NO-3-08C	NAD	
Drywall	Hallways (ceilings) and sprinkler enclosures (rooms)	NO-3-09A through NO-3-09C	NAD	
Joint Compound	Hallways (ceilings) and sprinkler enclosures (rooms)	NO-3-10A through NO-3-10C	NAD	
Plaster walls	Throughout	NA (previously identified)	NAD	
Plaster ceilings	Throughout	NA (previously identified)	NAD	
North Wing, Section II				
Linoleum - beige	Second floor - Room 206-E (beneath carpet)	NO-2-01A through NO-2-01C	NAD	
Mastic associated w/ Linoleum - beige (NO-2-01)	Second floor - Room 206-E (beneath carpet)	NO-2-02A through NO-2-02C	NAD	
12"x12" Vinyl floor tile - red	Second floor - Room 206-A (small bathroom)	NO-2-03A through NO-2-03C	NAD	
Mastic (black) associated with 12"x12" vinyl floor tile (NO-2-03)	**Second floor - Room 206-A (small bathroom)**	**NO-2-03A (layer 2)**	**2% Chrysotile**	**Included with total (100 SF)**
		NO-2-03B & NO-2-03C (layer 2)	**NA/PS**	
Sink undercoat	Second floor - Room 206-B (small kitchen)	NO-2-04A through NO-2-04C	NAD	
Linoleum - gray, square pattern	***Second floor - Room 208***	***NO-2-05A through NO-2-05C***	***PACM (positive mastic)***	**Included with NO-2-06**
Mastic associated w/ Linoleum - gray, square pattern (NO-2-05A)	**Second floor - Room 208**	**NO-2-06A throughNO-2-06C**	**2.95% Chrysotile**	**95 SF**
		NO-2-06B and NO-2-06C	**NA/PS**	
Linoleum - Blue	Second floor - Room 210	NO-2-07A through NO-2-07C	NAD (previous study)	
Mastic associated w/ linoleum - blue (NO-2-07)	Second floor - Room 210	NO-2-08A through NO-2-08C	*NAD	
Linoleum - Beige	Second floor - Room 217	NO-2-09A through NO-2-09C	NAD	
12"x12" Vinyl floor tile - gray/green	Third floor - Small kitchen	NO-3-11A through NO-3-11C	NAD	
Mastic associated w/ 12'x12" Vinyl floor tile - gray/green	Third floor - Small kitchen	NO-3-12A through NO-3-12C	NAD	
12"x12" Vinyl floor tile - Brown	***Third floor - Small kitchen & adjoining rooms***	***NO-3-13A through NO-3-13C***	***PACM (positive mastic)***	***Included with NO-3-14***
Mastic associated w/ 12"x12" Vinyl floor tile - brown (NO-3-13, NO-3-15, and NO-3-16)	**Third floor - Small kitchen & adjoining rooms**	**NO-3-14A**	**6% Chrysotile**	**Included with total (742 SF)**
		NO-3-14B and NO-3-14C	**NA/PS**	
12"x12" vinyl floor tile - brown	***Third floor - Small kitchen & adjoining rooms***	***NO-3-15A through NO-3-15C***	***PACM (positive mastic)***	***Included with NO-3-14***
12"x12" Vinyl floor tile - light brown	Third floor - Small kitchen & adjoining rooms	NO-3-16A through NO-3-16C	NAD	
Carpet mastic (9" tiles beneath carpet)	Third floor - Large hall/lounge area	NO-3-17A through NO-3-17C	NAD	
Ceramic wall tile grout (yellow tiles)	Third floor - Small bathroom	NO-3-18A through NO-3-18C	NAD	

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Material	Location	Sample Number	Asbestos Quantity and Type[2,4]	Estimated Quantity[3]
North Wing, Section II				
9"x9" Vinyl floor tile - gray speckled	**Third floor - Small bathroom**	**NO-3-19A**	**3.56% Chrysotile**	**Included with total (100 SF)**
		NO-3-19B and NO-3-19C	**NA/PS**	
Mastic (black) associated with 9" x 9" vinyl floor tile (NO-3-19)	**Third floor - Small bathroom**	**NO-3-19A (layer 2)**	**2% Chrysotile**	**Included with NO-3-19**
		NO-3-19B and NO-3-19C	**NA/PS**	
12"x12" Vinyl floor tile - green	Third floor - Room 307	NO-3-20A through NO-3-20C	NAD	
Mastic (black) associated with 12" x 12" vinyl floor tiles (NO-3-20)	**Third floor - Room 307**	**NO-3-20A (layer 2)**	**3% Chrysotile**	**Included with NO-3-26**
		NO-3-20B and NO-3-20C (layer 2)	**NA/PS**	
12"x12"Vinyl floor tile - pea green	**Third floor - Room 314**	**NO-3-21A**	**3.28% Chrysotile**	**Included with NO-3-26**
		NO-3-21B and NO-3-21C	**NA/PS**	
12"x12" Vinyl floor tile - beige	***Third floor - Room 314***	***NO-3-22A through NO-3-22C***	***PACM (positive mastic)***	***Included with NO-3-26***
Travertine flooring	Beneath VFT - various rooms throughout	NO-3-23A through NO-3-23C	NAD	
Mastic (black) associated w/ 12"x 12" vinyl floor tiles (NO-3-21 and NO-3-22)	**First, Second, & Third floor - Small bedrooms throughout**	**NO-3-26A**	**4.25% Chrysotile**	**Included with total below**
		NO-3-26B and NO-3-26C	**NA/PS**	
Mastics (black) associated w/ 12"x 12" vinyl floor tiles & ACM and PACM 12" VFT totals	**Throughout**	**Samples noted above**	**4.25% Chrysotile**	**9,450 SF**
		Samples noted above	**NA/PS**	
9"x9" Vinyl floor tiles (NO-1-01, NO-3-01, NO-3-19) & Mastic (black) associated with 9"x9" VFT totals	**First, Second, & Third floor - Halls and various rooms throughout**	**Samples noted above**	**1.86%, 2.98%,3.56% Chrysotile**	**5,580 SF**
		Samples noted above	**NA/PS**	
Ceramic wall tile grout (pea green tiles)	Bathrooms	NO-3-27A through NO-3-27C	NAD	
Plaster walls	Throughout	NA (previously identified)	NAD	
Plaster ceilings	Throughout	NA (previously identified)	NAD	
North Wing, Section III				
9"x9" Vinyl floor tile - blue with white mottles	**First floor - Room 106 (cafeteria)**	**NO-1-04A**	**3.82% Chrysotile**	**Included in total below**
		NO-1-04B and NO-1-04C	**NA/PS**	
Carpet mastic - yellow	Second floor - carpeted rooms	NO-2-10A through NO-2-10C	NAD	
Vinyl cove base - gray	Second floor - various	NO-2-11A through NO-2-11C	NAD	
Mastic associated w/ vinyl cover base - gray	Second floor - various	NO-2-12A through NO-2-12C	NAD	
Stone cove base	Throughout	NO-2-13A through NO-2-13C	NAD	
9"x9" Vinyl floor tile - black with tan mottles	**Second floor - Room 209A (small area)**	**NO-2-14A**	**3.42% Chrysotile**	**Included in total below**
		NO-2-14B and NO-2-14C	**NA/PS**	
Mastic (black) associated w/ 9"x9" vinyl floor tile (NO-2-14)	**Second floor - Room 209A (small area)**	**NO-2-14A (layer 2)**	**3% Chrysotile**	**Included in total below**
		NO-2-14B and NO-2-14C	**NA/PS**	
Sink undercoat - Gray	Second floor - Room 209	NO-2-15A through NO-2-15C	NAD	
9"x9" Vinyl floor tile - dark red	**Various rooms throughout (including various areas beneath 12" x 12" Beige VFT)**	**NO-3-24A**	**10.31% Chrysotile**	**Included in total below**
		NO-3-24B and NO-3-24C	**NA/PS**	
9"x9" Vinyl floor tile - red/brown with tan mottles	**Second & Third floor - Entryway from Section II**	**NO-3-25A**	**3.44% Chrysotile**	**Included in total below**
		NO-3-25B and NO-3-25C	**NA/PS**	
9"x9" vinyl floor tile - beige with red and black mottles	***Second & Third Floor - Entryway from Section II; Third Floor - Cafeteria rooms***	***NO-3-28A through NO-3-28C***	***PACM (positive mastic)***	***Included in total below***
Mastic associated w/ 9"x9" vinyl floor tile - beige with red and black mottles (NO-3-28)	**Second & Third Floor - Entryway from Section II; Third Floor - Cafeteria rooms**	**NO-3-29A and NO-3-29B**	***NAD**	**Included in total below**
		NO-3-29C	**2% Chrysotile**	
12"x12" vinyl floor tile - beige mottled	**Third floor: Rooms 305, 305A, 305B; Rear stairwells**	**NO-3-30A**	**1.08% Chrysotile**	**Included in total below**
		NO-3-30B and NO-3-30C	**NA/PS**	
Mastic (black) associated with 12"x12" vinyl floor tile (NO-3-30)	**Third floor**	**NO-3-30A (layer 2)**	**3% Chrysotile**	**Included in total below**
		NO-3-30B and NO-3-30C (layer 2)	**NA/PS**	

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Material	Location	Sample Number	Asbestos Quantity and Type[2,4]	Estimated Quantity[3]
North Wing, Section III				
9"x9" vinyl floor tile - dark pink	**Third floor - Rooms 305, 305A, 305B (beneath NO-3-30)**	**NO-3-31A**	**4.73% Chrysotile**	**Included in total below**
		NO-3-31B and NO-3-31C	**NA/PS**	
Mastic (black) associated with 9"x9" vinyl floor tile (NO-3-31)	**Third floor - Rooms 305, 305A, 305B (beneath NO-3-30)**	**NO-3-31A (layer 2)**	**3% Chrysotile**	**Included in total below**
		NO-3-31B and NO-3-31C (layer 2)	**NA/PS**	
Vinyl cove base - gray	Third floor - Room 310	NO-3-32A through NO-3-32C	NAD	
Mastic associated w/ vinyl cover base - gray	Third floor - Room 310	NO-3-33A through NO-3-33C	NAD	
1'x1' Ceiling tile (random fissure)	Third floor - Room 310	NO-3-34A through NO-3-34C	NAD	
12"x12" Vinyl floor tile - dark brown	Third floor - Room 310 (hearth)	NO-3-35A through NO-3-35C	NAD	
Mastic (black) associated with 12" VFT (NO-3-35)	**Third floor - Room 310 (hearth)**	**NO-3-35A (layer 2)**	**3% Chrysotile**	**Included in total below**
		NO-3-35B and NO-3-35C (layer 2)	**NA/PS**	
Pipe wrap - Kitchen areas	***Each floor***	***NA***	***PACM***	***90 LF***
Mastic (black) associated with various 12" VFT & ACM and PACM 12" VFT	**Throughout**	**Samples noted previously**	**3% Chrysotile (mastic) 1.08% Chrysotile (12-inch tile)**	**11,447 SF**
		Samples noted previously	**NA/PS**	
9"x9" Vinyl Floor Tile - various tiles & Mastic (black) associated with 9" x 9" Vinyl Floor Tiles	**First, Second, & Third floor - Various rooms/areas throughout, including beneath 12" VFT in various rooms**	**Samples noted previously**	**3.42% to 10.31%% Chrysotile**	**10,038 SF**
		Samples noted previously	**NA/PS**	
Plaster walls	Throughout	NA (previously identified)	NAD	
Plaster ceilings	First and Second floors - ceilings	NA (previously identified)	NAD	
Plaster ceiling	***Third floor - ceiling only***	***NA (previously identified)***	***PACM (previous report)***	***3,600 SF***

NOTES:
1. Samples were collected on December 15 through December 17, 2021 by Ransom Consulting, LLC., and were analyzed by Optimum Analytical and Consulting, LLC of Salem, NH.
2. NA/PS = not analyzed/positive stop. Sample sets are analyzed until asbestos is identified in an amount greater than one percent.
3. CF = Cubic Feet. SF = Square Feet. LF = Linear Feet. EA = Each. NA = Not Applicable.
4. NAD = No asbestos detected; *PACM = Presumed Asbestos Containing Material.*
5. NQ = Not quantified. ACM joint compound should be assumed to be present throughout until further delineation.
5. Samples shown in bold are ACM, samples shown in bold and italics are PACM.
6. * = Insufficient mastic for gravimetric reduction; analysis by PLM only.
7. ** = Insufficient volume for all samples in set to be analyzed; samples analyzed = NAD.
8. Room numbers provided in this table were obtained from site plans and/or past reports provided by the client and/or onsite observations.

TABLE 2: LEAD-BASED PAINT TESTING RESULTS
Hazardous Building Materials Inventory
Former Maine State Hospital: Stone Building
67 Independence Drive
Augusta, Maine

Reading	Color/Substrate/Component	Location	Lead Concentration (mg/cm^2)
ADMINISTRTATION BUILDING			
1	Light blue plaster wall	First floor	0.002
2	Tan plaster wall	First floor	0.016
3	Speckled white plaster wall	First floor	0.118
4	Sea green plaster wall	First floor	0.123
5	Periwinkle plaster wall	First floor	0.097
6	Lime green plaster wall	First floor	0.080
7	Burgundy plaster wall	First floor	BRL
8	Pink wood molding	First floor	0.11
9	White plaster wall	First floor	0.081
10	Periwinkle particle board wall	First floor	BRL
11	White ceiling	First floor	0.288
12	**White plaster wall**	**First floor**	**5.00**
13	Tan plaster wall	First floor	0.103
35	**White plaster wall**	**Second floor**	**5.00**
36	**Off-white plaster wall**	**Second floor**	**5.00**
37	White wood molding	Second floor	0.177
38	White wood door	Second floor	0.166
39	**White plaster/particle wall**	**Second floor**	**5.00**
40	**Sea green wood and metal molding/radiator**	**Second floor**	**5.00**
89	**Magenta plaster wall**	**Third floor**	**5.00**
NORTH WING SECTION 1			
33	Yellow wood cupboards	First floor	0.063
69	**Yellow plaster wall**	**Second floor**	**5.00**
70	**White metal doorway**	**Second floor**	**5.00**
71	**Off-white plaster wall**	**Second floor**	**5.00**
72	**Pink plaster wall**	**Second floor**	**5.00**
73	**Blue plaster wall**	**Second floor**	**5.00**
74	**Yellow plaster wall**	**Second floor**	**5.00**
75	**Green plaster wall**	**Second floor**	**5.00**
NORTH WING SECTION II			
34	Grey wood molding	First floor	BRL
76	White wood cupboards	Second floor	0.075
77	**Off-white plaster wall**	**Second floor**	**5.00**
78	Yellow/white plaster wall	Second floor	0.019
79	**Blue plaster wall**	**Second floor**	**5.00**
80	Yellow wood wall	Second floor	0.183
81	Yellow plaster wall	Second floor	BRL
NORTH WING SECTION III			
82	**Pink wood wall**	**Second floor**	**2.62**
83	Pink plaster wall	Second floor	BRL
84	Green plaster wall	Second floor	0.39
85	White metal doorway	Second floor	0.56
86	White plaster wall	Second floor	BRL
87	**White wood wall**	**Second floor**	**5.00**
88	**Lime green plaster wall**	**Second floor**	**1.10**

TABLE 2: LEAD-BASED PAINT TESTING RESULTS
Hazardous Building Materials Inventory
Former Maine State Hospital: Stone Building
67 Independence Drive
Augusta, Maine

Reading	Color/Substrate/Component	Location	Lead Concentration (mg/cm^2)
SOUTH WING SECTION I			
14	Peach wood door	First floor	0.051
15	White wood door	First floor	0.048
16	Sea green plaster wall	First floor	BRL
17	**Egg shell plaster wall**	**First floor**	**4.63**
18	**Pink plaster wall**	**First floor**	**2.94**
19	**Sea green plaster wall**	**First floor**	**3.97**
20	**Lime green plaster wall**	**First floor**	**4.10**
21	**White plaster wall**	**First floor**	**3.84**
22	Light yellow plaster wall	First floor	0.029
23	Dark yellow plaster wall	First floor	0.052
24	White metal door frame	First floor	0.103
25	**Blue plaster wall**	**First floor**	**2.38**
41	White plaster wall	Second floor	0.0015
42	Burgundy wood/metal railing/molding	Second floor	BRL
43	**Tan plaster wall**	**Second floor**	**5.00**
44	**Blue-gray plaster wall**	**Second floor**	**5.00**
45	**White plaster wall**	**Second floor**	**5.00**
46	**Lime green plaster wall**	**Second floor**	**1.80**
47	White wood molding	Second floor	0.076
48	**Yellow plaster wall**	**Second floor**	**2.03**
49	**Lilac plaster wall**	**Second floor**	**2.97**
50	**Cyan plaster wall/pipe insulation**	**Second floor**	**1.23**
51	Grey plaster wall	Second floor	0.0033
52	**Periwinkle plaster wall**	**Second floor**	**5.00**
SOUTH WING SECTION II			
26	White wood door	First floor	0.032
27	Grey wood molding	First floor	BRL
28	White wood molding	First floor	0.197
29	Green wood molding	First floor	0.103
30	Periwinkle plaster wall	First floor	BRL
53	Peach plaster wall	Second floor	0.412
54	**Lime plaster wall**	**Second floor**	**5.00**
55	White wood door frame	Second floor	0.146
56	Light blue plaster wall	Second floor	BRL
57	Pink plaster wall	Second floor	0.158
58	White metal door frame	Second floor	BRL
SOUTH WING SECTION III			
31	Dark green metal door	First floor	BRL
32	**Pink plaster wall**	**First floor**	**5.00**
59	**Pink plaster wall**	**Second floor**	**5.00**
60	**White plaster wall**	**Second floor**	**5.00**
61	Metal door frame	Second floor	0.123
62	White plaster wall	Second floor	BRL
63	**Tan fiberglass wall**	**Second floor**	**5.00**
64	**Dark green plaster wall**	**Second floor**	**5.00**
65	Peach metal door frame	Second floor	0.139
66	**White plaster wall**	**Second floor**	**5.00**
67	**Blue plaster wall**	**Second floor**	**2.03**
68	Peach metal door	Second floor	0.095

TABLE 2: LEAD-BASED PAINT TESTING RESULTS
Hazardous Building Materials Inventory
Former Maine State Hospital: Stone Building
67 Independence Drive
Augusta, Maine

Reading	Color/Substrate/Component	Location	Lead Concentration (mg/cm^2)
BASEMENT			
90	Blue doorway	Basement	0.020
91	White brick wall	Basement	0.063
92	Green metal fuse box	Basement	0.285
93	Blue wood bulletin board	Basement	0.016
94	**Green metal/wood door/doorway**	**Basement**	**5.00**
95	Light green brick wall	Basement	0.160
96	Light blue brick wall	Basement	0.290
97	Red metal pipe	Basement	0.013

1. Samples were analyzed on December 17, 2021 by Ransom using a hand-held x-ray fluorescence (XRF) analyzer.
2. BRL ( ) = below instrument reporting limit of 0.01 mg/cm^2.
3. Values in **boldface** type indicate lead concentrations in excess of the HUD threshold value of 1.0 mg/cm^2.
HUD guidance is not a regulatory consideration in this scenario, and is provided for reference only.

TABLE 3: PCBs IN BUILDING MATERIAL ANALYTICAL RESULTS
Hazardous Building Materials Inventory
Former Maine State Hospital: Stone Building
67 Independence Drive
Augusta, Maine

Sample Identification	Sample Description	Sample Location	Sample Matrix	Total PCBs (milligrams per kilogram [mg/kg])
PCB-01	Caulk	Administrative Building	Caulk	BRL (0.332)
PCB-02	Caulk	South Wing - Section 1	Caulk	BRL (0.329)
PCB-03	Caulk	South Wing - Section 2	Caulk	BRL (0.331)
PCB-04	Caulk	South Wing - Section 3	Caulk	BRL (0.328)
PCB-05	Caulk	South Wing - Section 3 (door)	Caulk	BRL (0.330)
PCB-06	Caulk	North Wing - Section 3	Caulk	BRL (0.327)
PCB-07	Caulk	North Wing - Section 2	Caulk	BRL (0.325)
PCB-08	Caulk	North Wing - Section 2	Caulk	BRL (0.324)

Notes:
1. Samples were collected on December 17, 2021 by Ransom Consulting, LLC and were analyzed by Alpha Analytical of Westborough, Massachusetts.
2. BRL ( ) = below reporting limit indicated in parentheses.
3. Values in **boldface** type indicate PCB concentrations which exceed a concentration of 50 mg/kg, constituting an "unauthorized use" of PCBs and would be considered PCB Bulk Product Waste if removed.

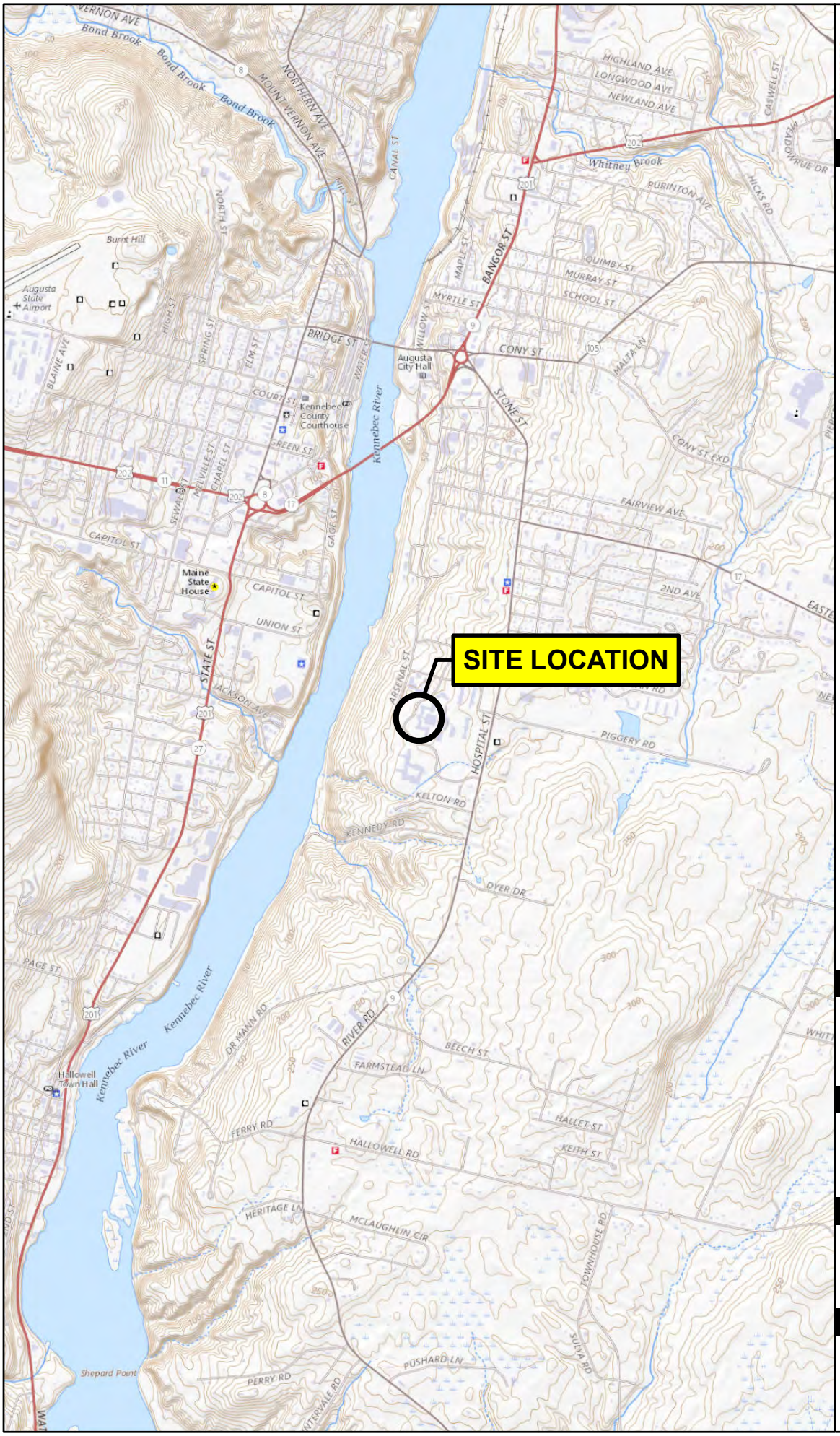
TABLE 4: INVENTORY OF OTHER HAZARDOUS/POTENTIALLY HAZARDOUS MATERIALS

Hazardous Building Materials Inventory
Former Maine State Hospital: Stone Building
67 Independence Drive
Augusta, Maine

Component	Hazard	Location	Total Quantity	Units
ADMINISTRATIVE BUILDING				
Fluorescent light ballasts	PCBs	Throughout	125	EA
Fluorescent light tubes (incl. CFL)	Mercury	Throughout	250	EA
HID Lamps	Mercury	Throughout	18	EA
Wall/Window Mount AC	CFCs	Throughout	11	EA
Refrigerant compressor units	CFCs	Throughout	1	EA
BASEMENT				
Fluorescent light ballasts	PCBs	Throughout	75	EA
Fluorescent light tubes (incl. CFL)	Mercury	Throughout	152	EA
Batteries/Emergency Lights	Heavy Metals	Throughout	6	EA
NORTH WING - SECTION I				
Fluorescent light ballasts	PCBs	Throughout	167	EA
Fluorescent light tubes (incl. CFL)	Mercury	Throughout	334	EA
Batteries/Emergency Lights	Heavy Metals	Throughout	12	EA
NORTH WING - SECTION II				
Fluorescent light ballasts	PCBs	Throughout	184	EA
Fluorescent light tubes (incl. CFL)	Mercury	Throughout	368	EA
Batteries/Emergency Lights	Heavy Metals	Throughout	20	EA
Wall/Window Mount AC	CFCs	Throughout	1	EA
Refrigerant compressor units	CFCs	Throughout	1	EA
NORTH WING - SECTION III				
Fluorescent light ballasts	PCBs	Throughout	155	EA
Fluorescent light tubes (incl. CFL)	Mercury	Throughout	310	EA
Batteries/Emergency Lights	Heavy Metals	Throughout	16	EA
Refrigerant compressor units	CFCs	Throughout	1	EA
SOUTH WING - SECTION I				
Fluorescent light ballasts	PCBs	Throughout	139	EA
Fluorescent light tubes (incl. CFL)	Mercury	Throughout	278	EA
Batteries/Emergency Lights	Heavy Metals	Throughout	14	EA
SOUTH WING - SECTION II				
Fluorescent light ballasts	PCBs	Throughout	194	EA
Fluorescent light tubes (incl. CFL)	Mercury	Throughout	388	EA
Batteries/Emergency Lights	Heavy Metals	Throughout	11	EA
SOUTH WING - SECTION III				
Fluorescent light ballasts	PCBs	Throughout	196	EA
Fluorescent light tubes (incl. CFL)	Mercury	Throughout	392	EA
Batteries/Emergency Lights	Heavy Metals	Throughout	15	EA

Notes:

1. Quantities presented are based on a cursory visual inspection. Quantities should be field-verified prior to removal/abatement work.
2. Lighting fixtures were not dismantled to observe labels regarding PCB content. Ballasts should be assumed to be PCB-containing and inspected during demolition/redevelopment to determine appropriate disposal.
3. EA = each; SF = Square feet



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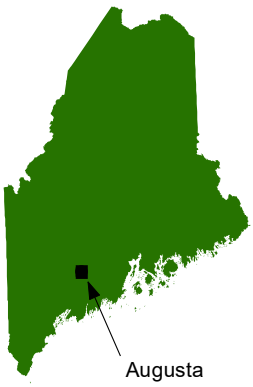
Regional Locator Map



Notes

1. Data Source: The National Map
2. USGS Quad Names: Augusta, Maine
3. Latitude: 44°18'7.205"N
   Longitude: 69°46'13.351"W

Scale and Orientation

0 1,000 2,000

1 inch = 2,000 feet

Prepared For

Mr. Steven Marshall
Gale Associates Inc.
6 Bedford Farms Drive, Suite 101
Bedford, New Hampshire 03110

Site Address

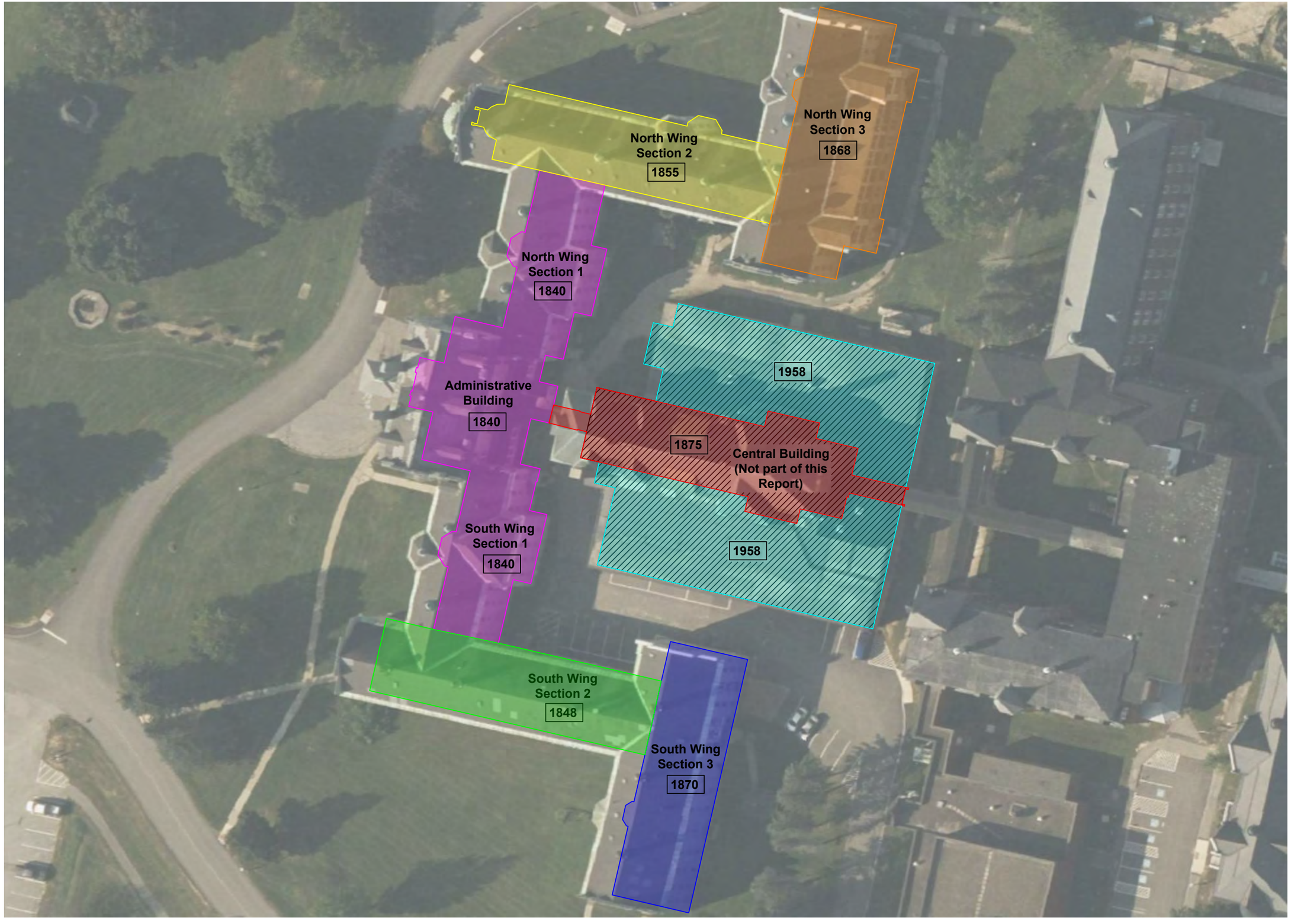
Former Maine State Hospital:
Stone Building
67 Independence Drive
Augusta, Maine

211.06085 | Jan 2023

Figure 1

Site Location Map

X:\Ransom_NewEngland\Maine\Augusta_ME\Fmr_MaineStateHospital\StoneBuilding\Drawings\HBMI_Jan2023\SB_AugustaME_HBMI-F1_SLM.mxd



RANSOM Consulting, LLC

Legend & Notes

Notes:

1. Plan based on measurements and observations made by Ransom Consulting, LLC. on December 15-17, 2021.
2. Some features are approximate in location and scale.
3. This plan has been prepared for Gale Associates Inc. All other uses are not authorized unless written permission is obtained from Ransom Consulting, LLC.

Scale and Orientation

0 30 60

1 inch = 60 feet

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Bedford, New Hampshire 03110

Site Address

Former Maine State Hospital:
Stone Building
67 Independence Drive
Augusta, Maine

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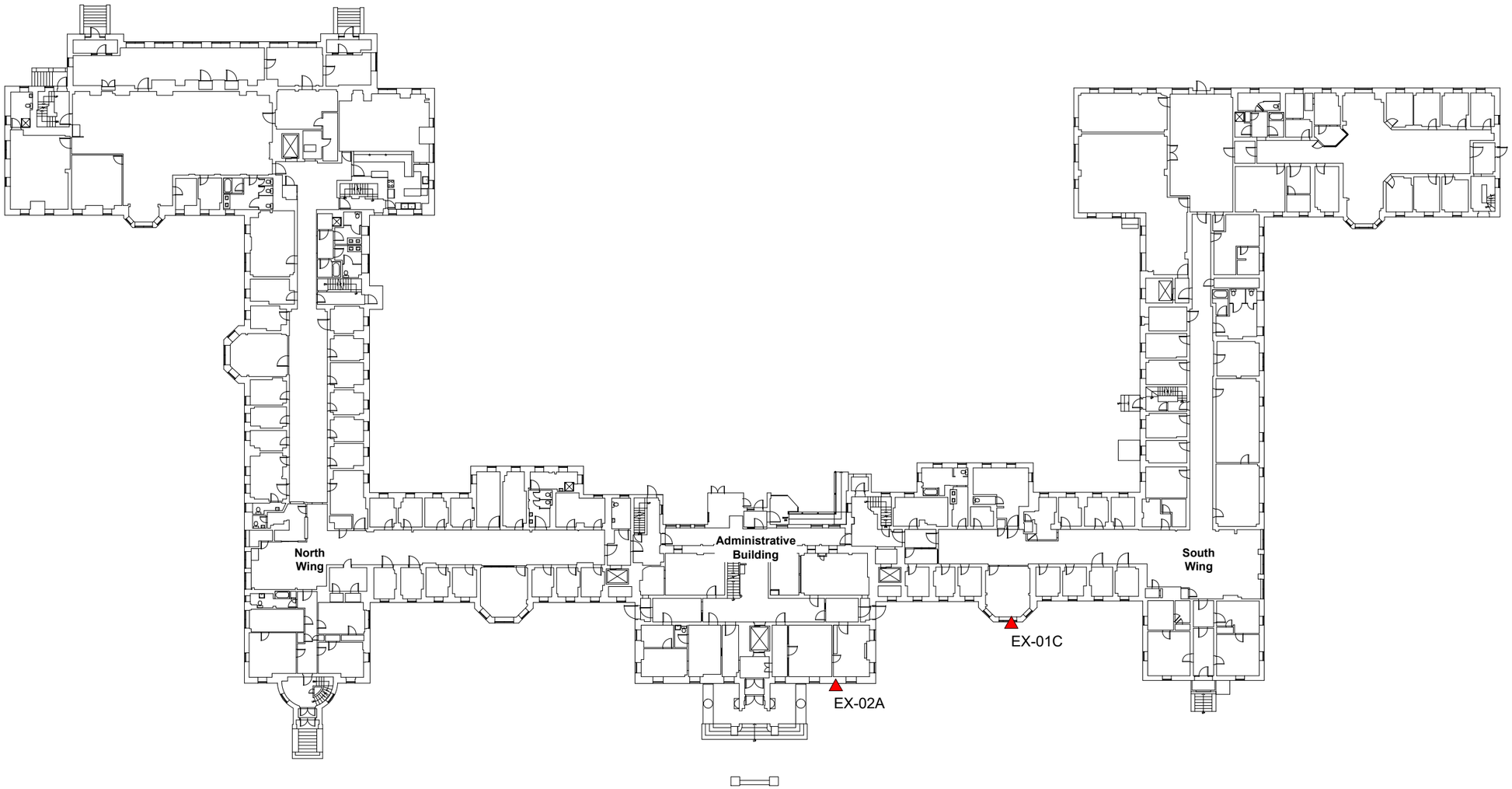
Figure 2
Site Plan

File: SB_AugustaME_HBMI-F2_SP.dwg Date: 01/25/2023



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Consulting, LLC

Legend & Notes

▲ Sample Testing Positive for Asbestos

Notes:

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2. Some features are approximate in location and scale.
3. This plan has been prepared for Gale Associates Inc. All other uses are not authorized unless written permission is obtained from Ransom Consulting, LLC.
4. Figure representative of all building levels, room configurations may vary slightly by building level.
5. Refer to Table 1: "Summary of Asbestos Testing Results" for all sample details and locations.

Scale and Orientation

0 20 40

1 inch = 40 feet

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Site Address

Former Maine State Hospital:
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Augusta, Maine

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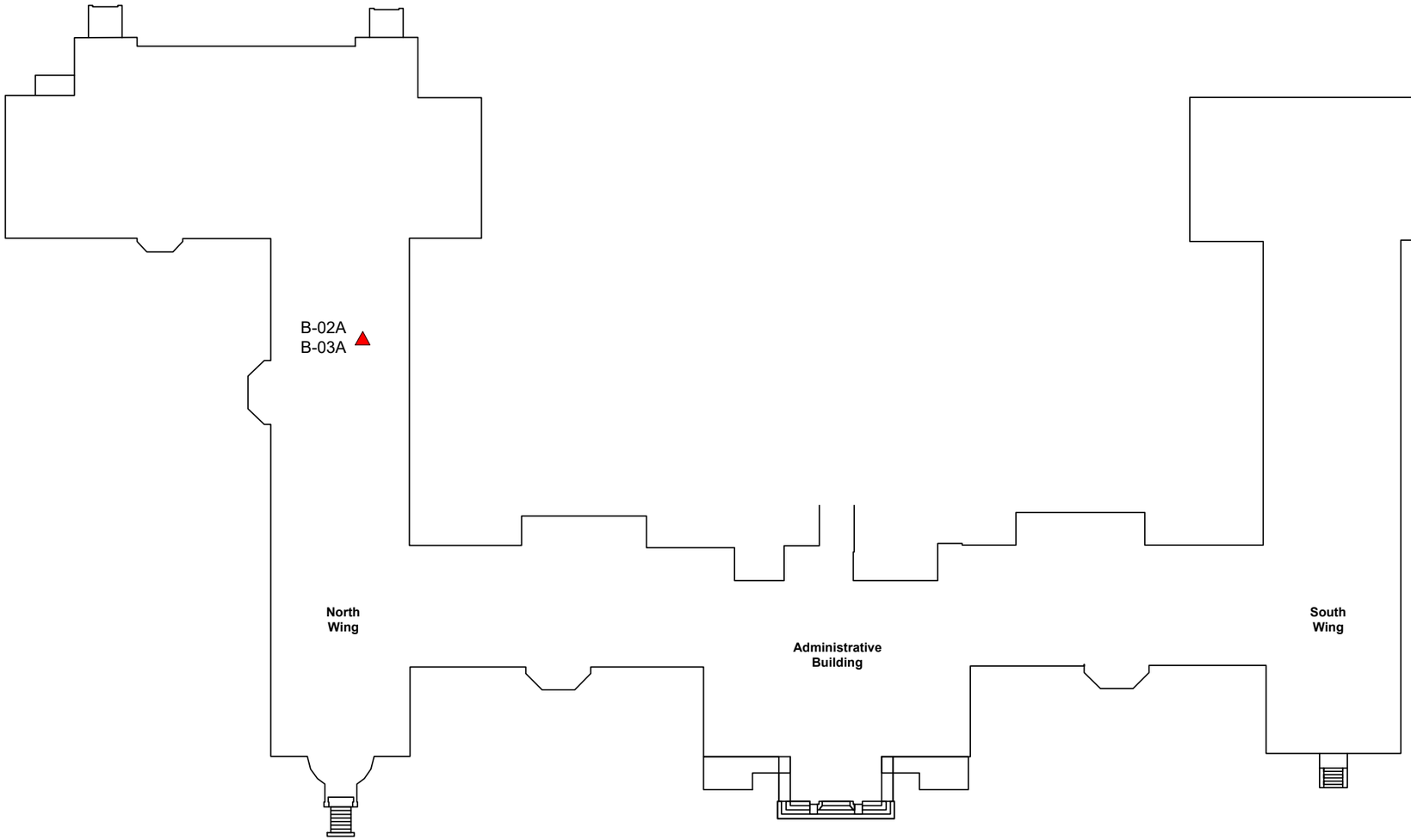
Figure 3
Building Exterior

File: SB_AugustaME_HBMI-F3_BldgExterior.dwg Date: 01/25/2023



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Legend & Notes

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Scale and Orientation

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Site Address

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Augusta, Maine

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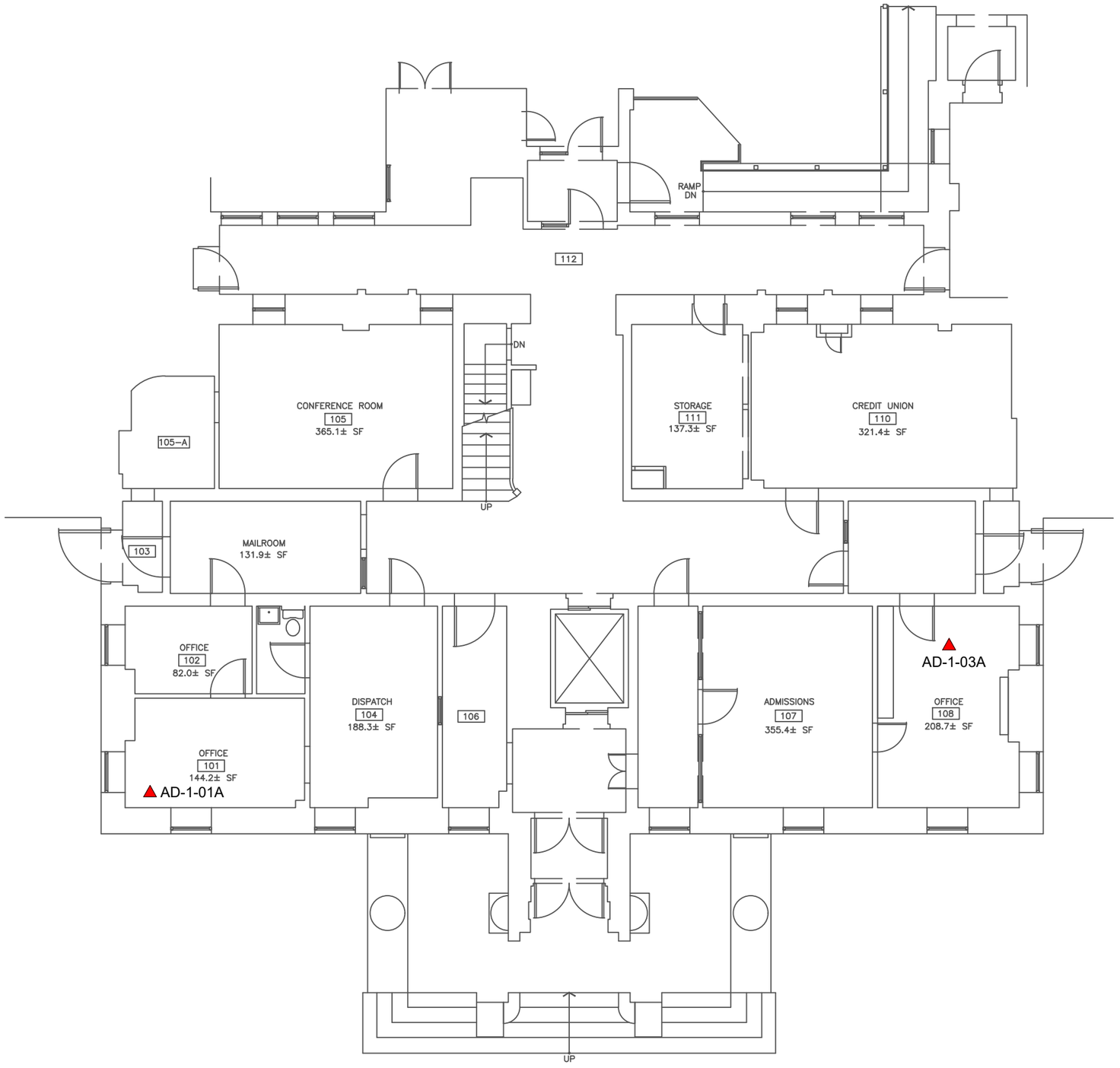
Figure 4
Basement Area

File: SB_AugustaME_HBMI-F4_Basement.dwg Date: 01/25/2023

STONE NORTH

STONE SOUTH



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Legend & Notes

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Scale and Orientation

0 60 120

1 inch = 120 feet

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Former Maine State Hospital:
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Augusta, Maine

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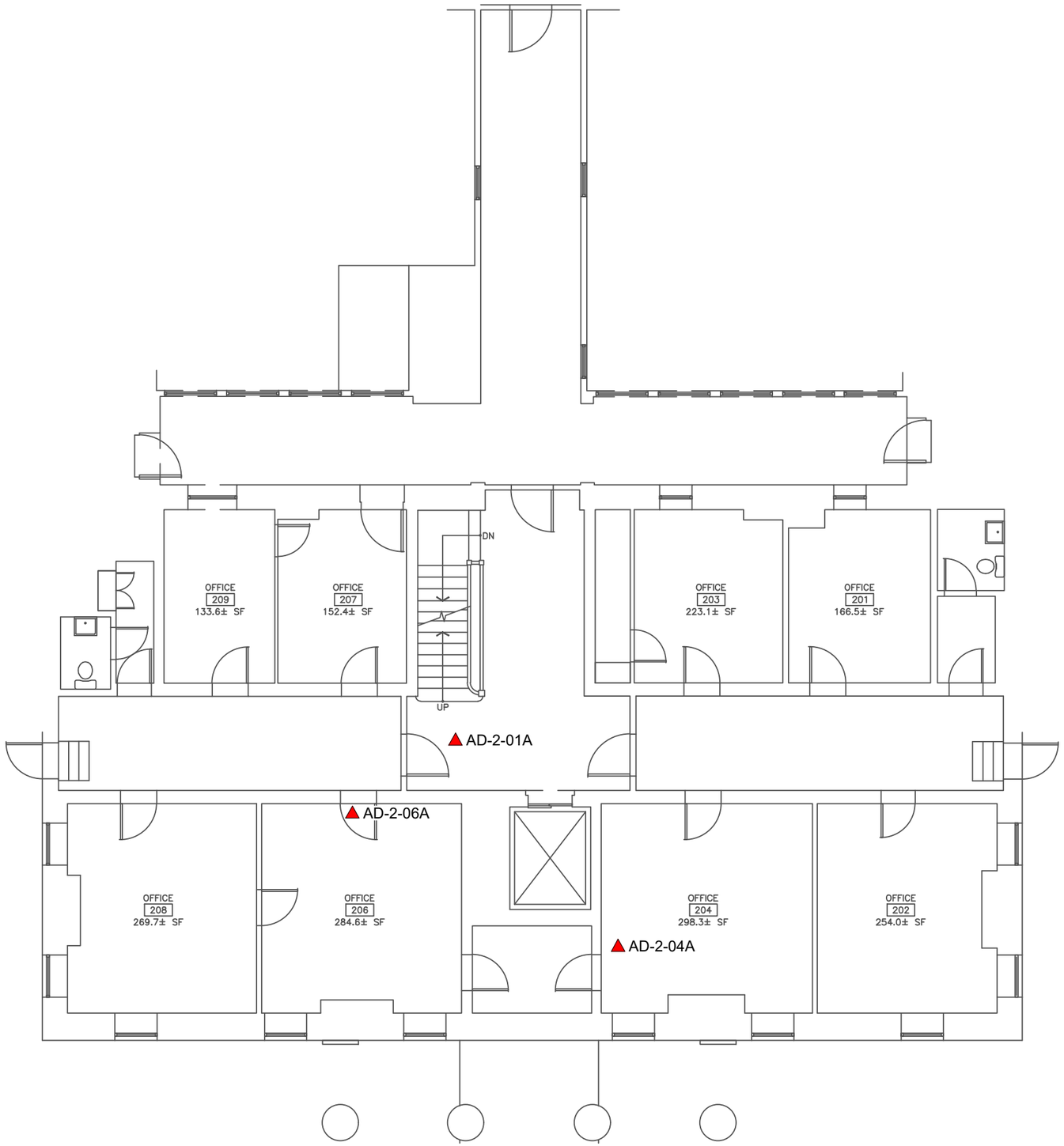
Figure 5
Administrative Building
First Floor

File: SB_AugustaME_HBMI-F5_Admin01.dwg Date: 01/30/2023

CENTRAL BUILDING

STONE NORTH

STONE SOUTH



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Legend & Notes

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Scale and Orientation

0 60 120

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Former Maine State Hospital:
Stone Building
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Augusta, Maine

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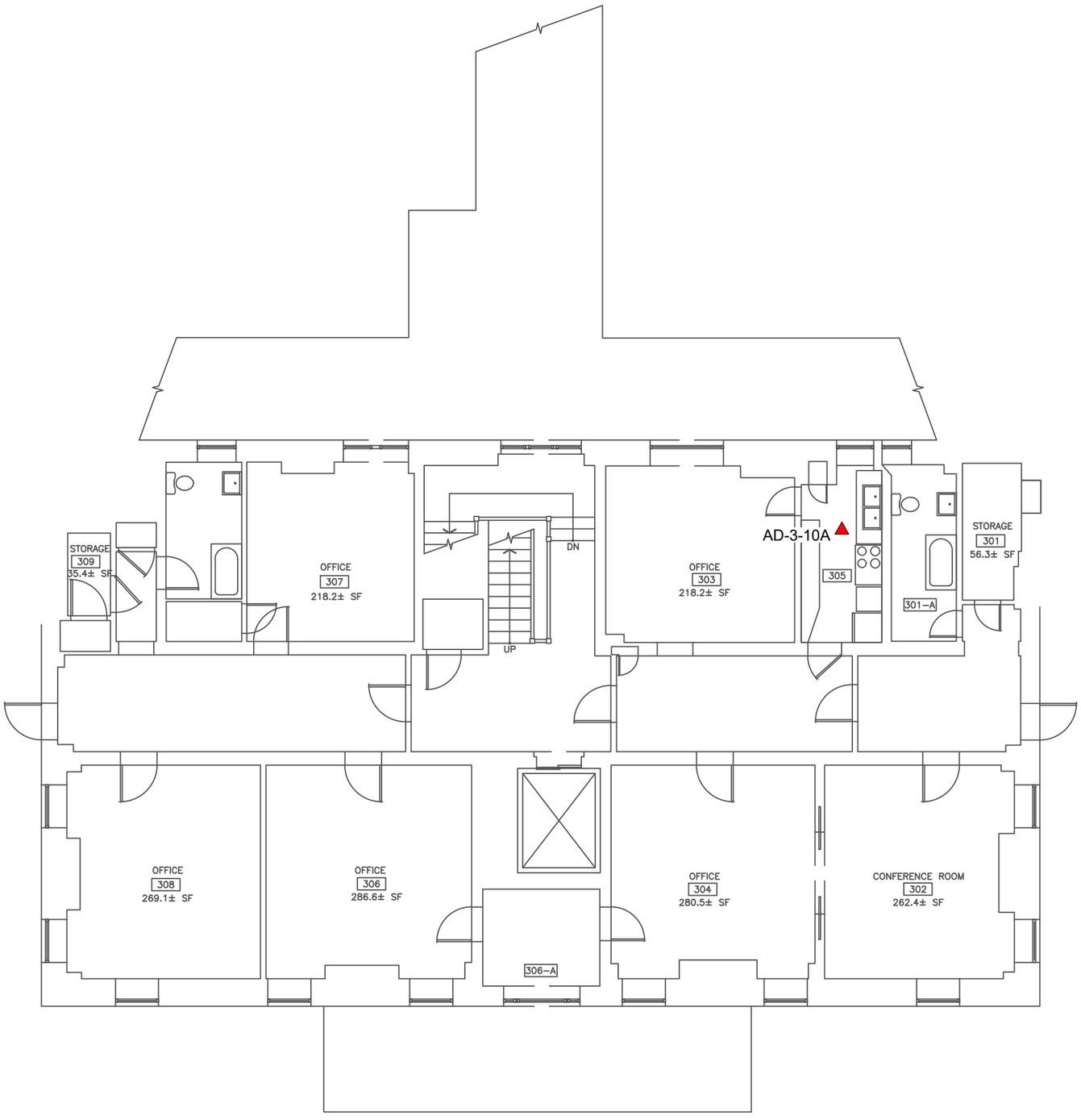
Figure 6
Administrative Building
Second Floor

File: SB_AugustaME_HBMI-F6_Admin02.dwg Date: 01/25/2023

STONE NORTH

STONE SOUTH



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Legend & Notes

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Scale and Orientation

0 60 120

1 inch = 120 feet

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Former Maine State Hospital:
Stone Building
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Augusta, Maine

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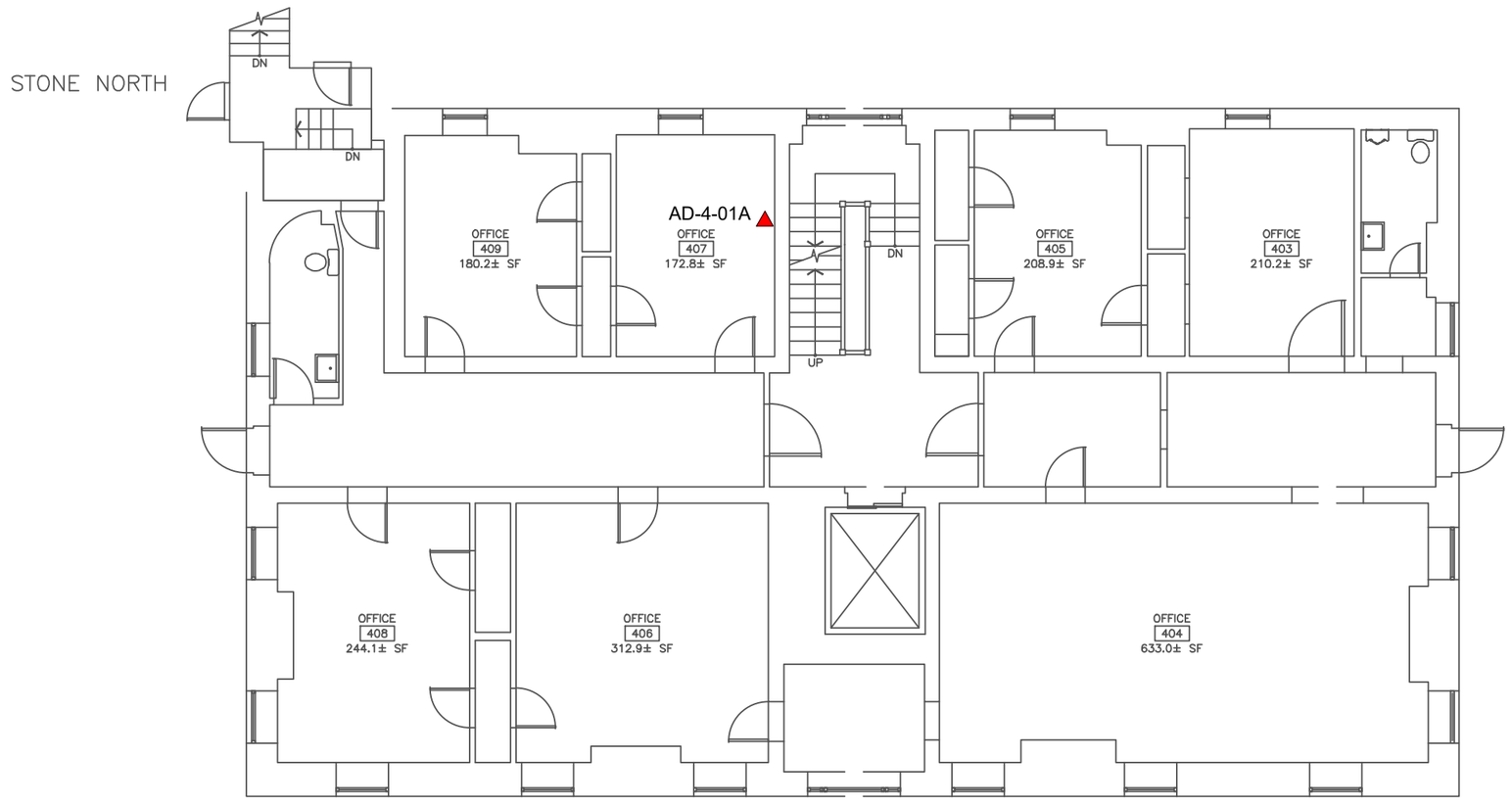
Figure 7
Administrative Building
Third Floor

File: SB_AugustaME_HBMI-F7_Admin03.dwg Date: 01/30/2023



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Legend & Notes

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Scale and Orientation

0 60 120

1 inch = 120 feet

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Former Maine State Hospital:
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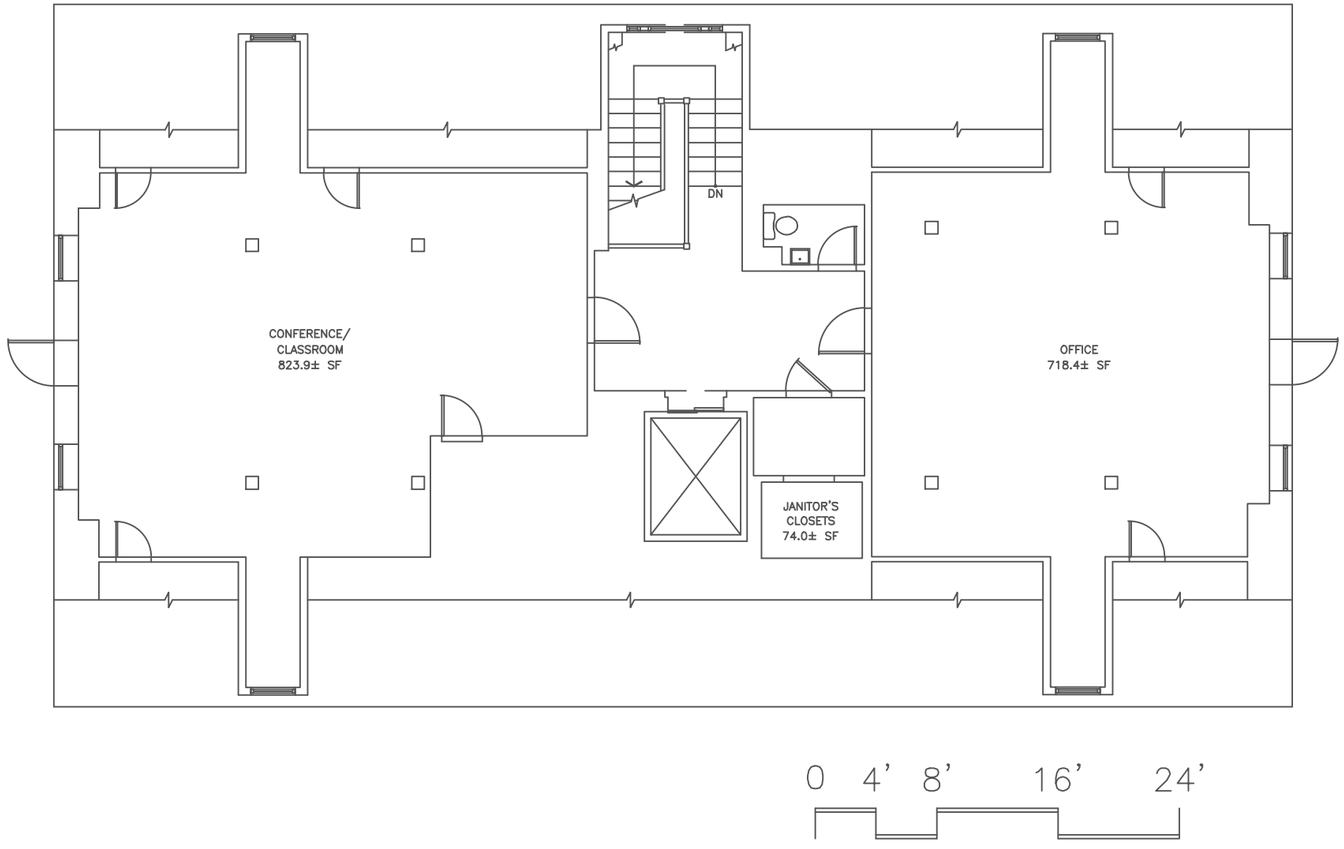
Figure 8
Administrative Building
Fourth Floor

File: SB_AugustaME_HBMI-F8_Admin04.dwg Date: 01/25/2023



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Legend & Notes

No Identified Asbestos Containing Materials

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Scale and Orientation

0 60 120

1 inch = 120 feet

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Site Address

Former Maine State Hospital:
Stone Building
67 Independence Drive
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Figure 9
Administrative Building
Fifth Floor

File: SB_AugustaME_HBMI-F9_Admin05.dwg Date: 01/25/2023

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Legend & Notes

▲ Sample Testing Positive for Asbestos

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Scale and Orientation

0 125 250

1 inch = 250 feet

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Former Maine State Hospital:
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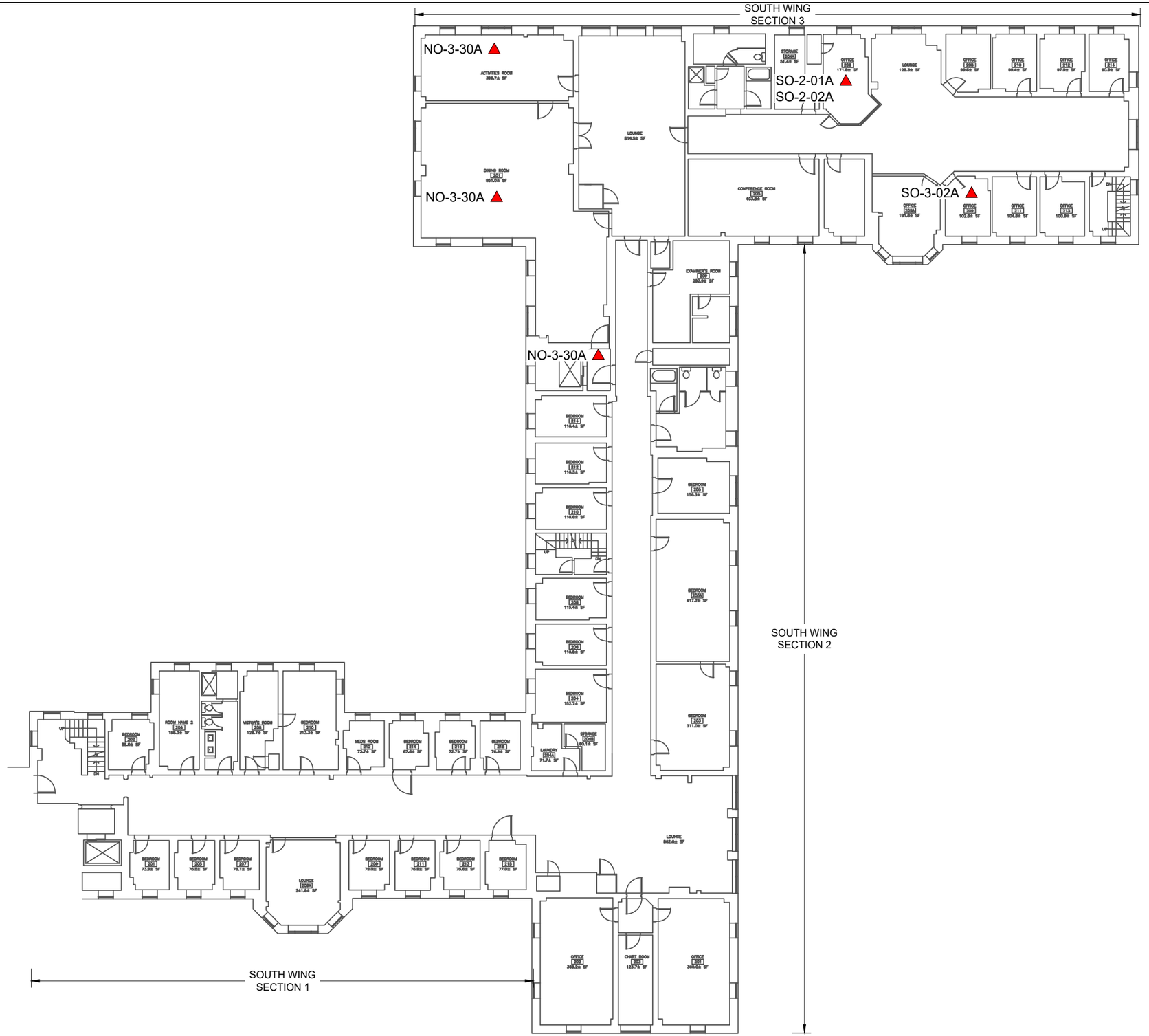
67 Independence Drive
Augusta, Maine

211.06085 | Jan 2023

Figure 10
South Wing
First Floor

File: SB_AugustaME_HBMI-F10_StoneS01.dwg Date: 01/25/2023



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Legend & Notes

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Scale and Orientation

0 125 250

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Former Maine State Hospital:
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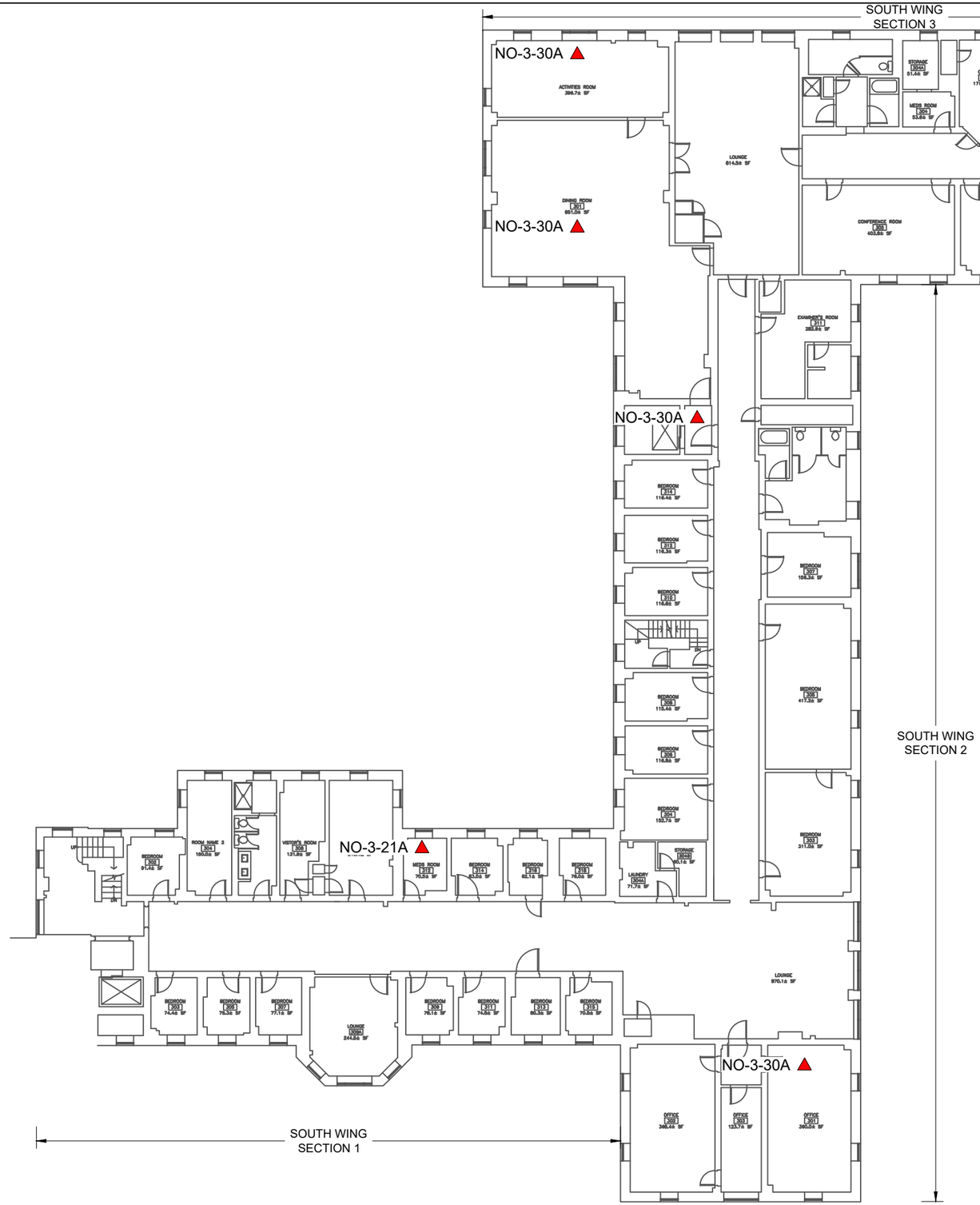
211.06085 | Jan 2023

Figure 11
South Wing
Second Floor

File: SB_AugustaME_HBMI-F11_StoneS02.dwg Date: 01/25/2023



RANSOM Consulting, LLC

Legend & Notes

▲ Sample Testing Positive for Asbestos

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Scale and Orientation

0 125 250

1 inch = 250 feet

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Former Maine State Hospital:
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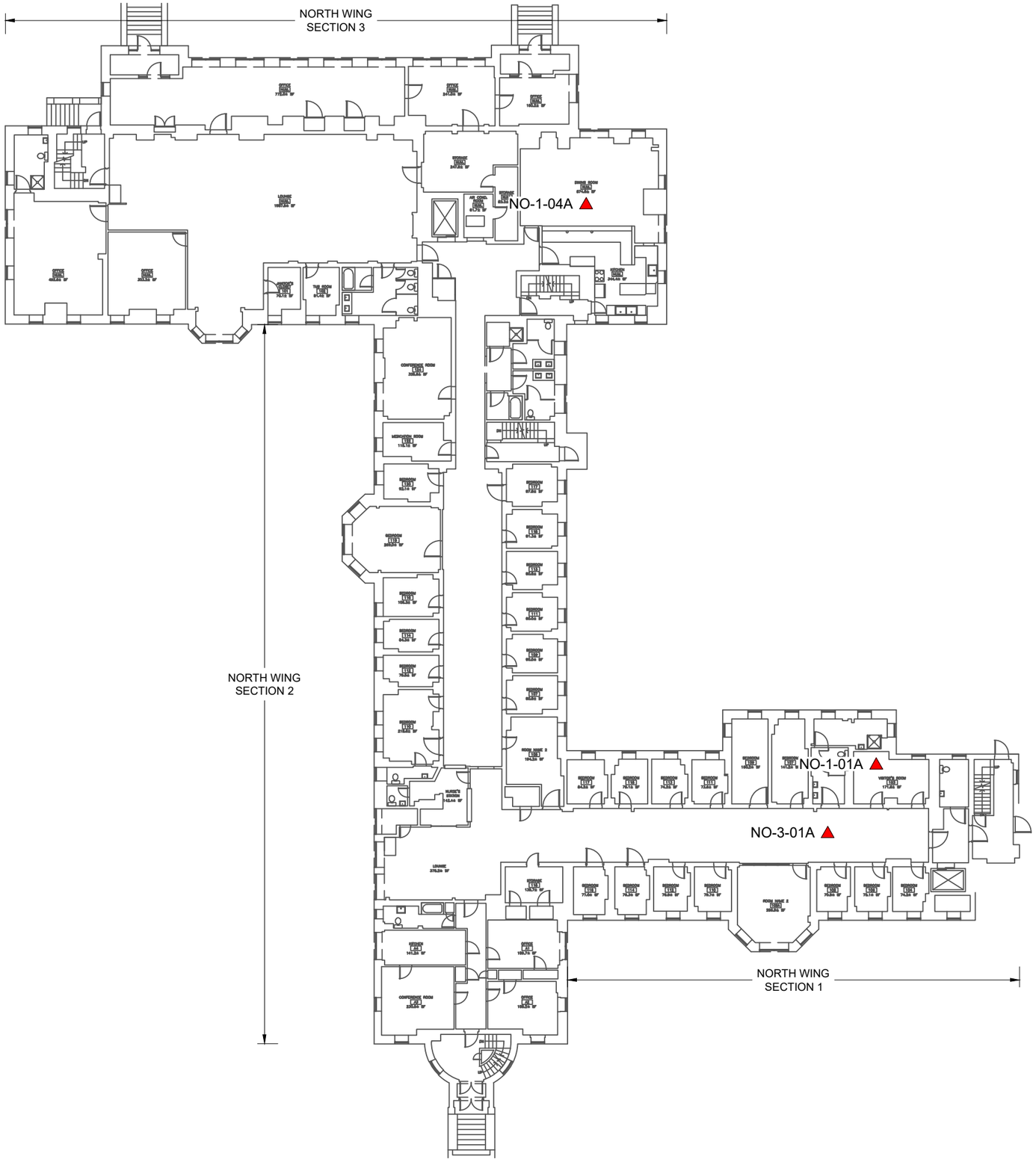
Augusta, Maine

211.06085 | Jan 2023

Figure 12
South Wing
Third Floor

File: SB_AugustaME_HBMI-F12_StoneS03.dwg Date: 01/25/2023



RANSOM Consulting, LLC

Legend & Notes

▲ Sample Testing Positive for Asbestos

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Scale and Orientation

0 150 300

1 inch = 300 feet

Prepared For

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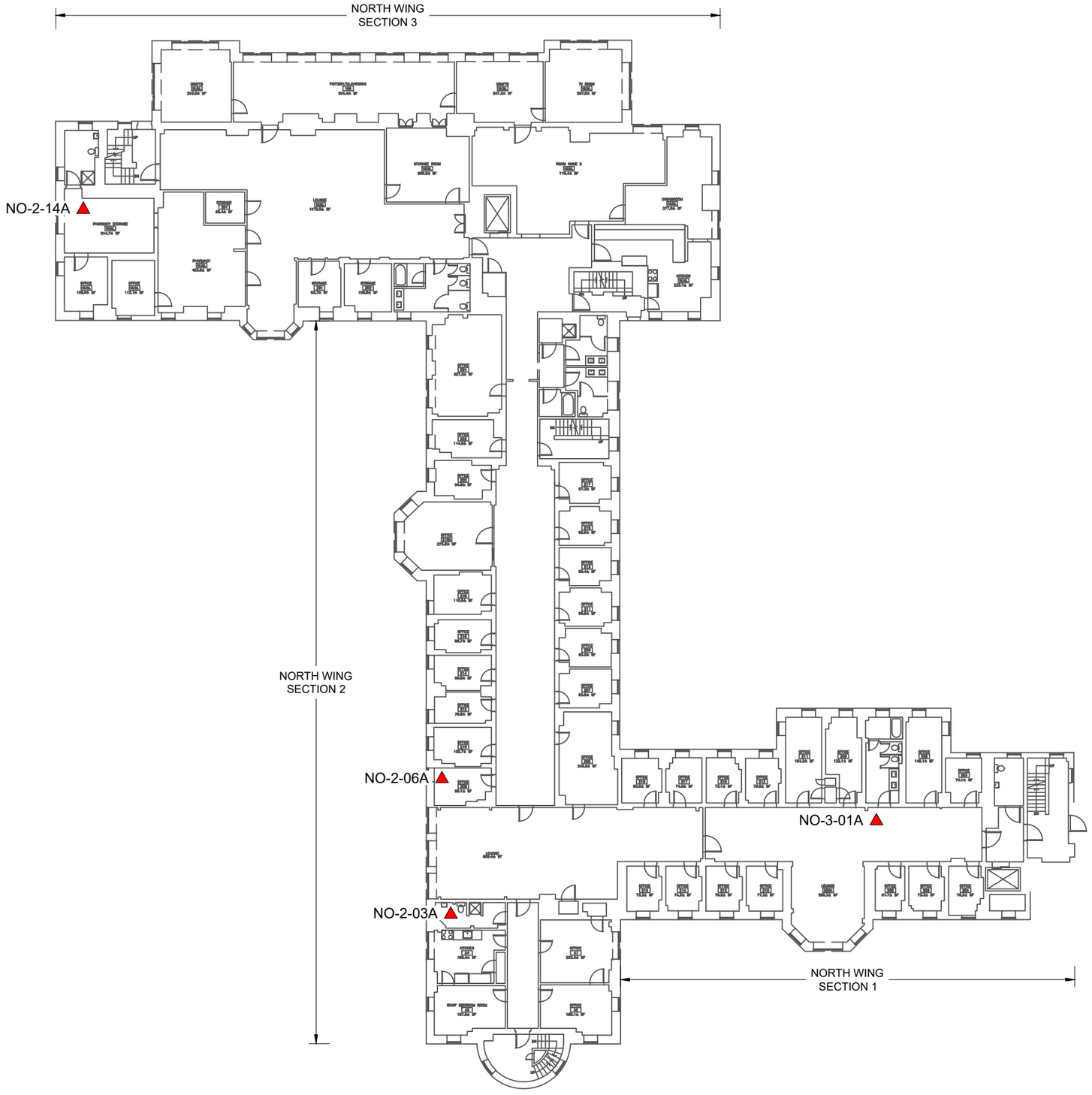
Site Address

Former Maine State Hospital:
Stone Building
67 Independence Drive
Augusta, Maine

211.06085 | Jan 2023

Figure 13
North Wing
First Floor

File: SB_AugustaME_HBMI-F13_StoneN01.dwg Date: 01/25/2023



RANSOM Consulting, LLC

Legend & Notes

▲ Sample Testing Positive for Asbestos

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1. Plan based on measurements and observations made by Ransom Consulting, LLC.
2. Some features are approximate in location and scale.
3. This plan has been prepared for Gale Associates Inc. All other uses are not authorized unless written permission is obtained from Ransom Consulting, LLC.

Scale and Orientation

0 150 300

1 inch = 300 feet

Prepared For

Mr. Steven Marshall
Gale Associates Inc.
6 Bedford Farms Drive, Suite 101
Bedford, New Hampshire 03110

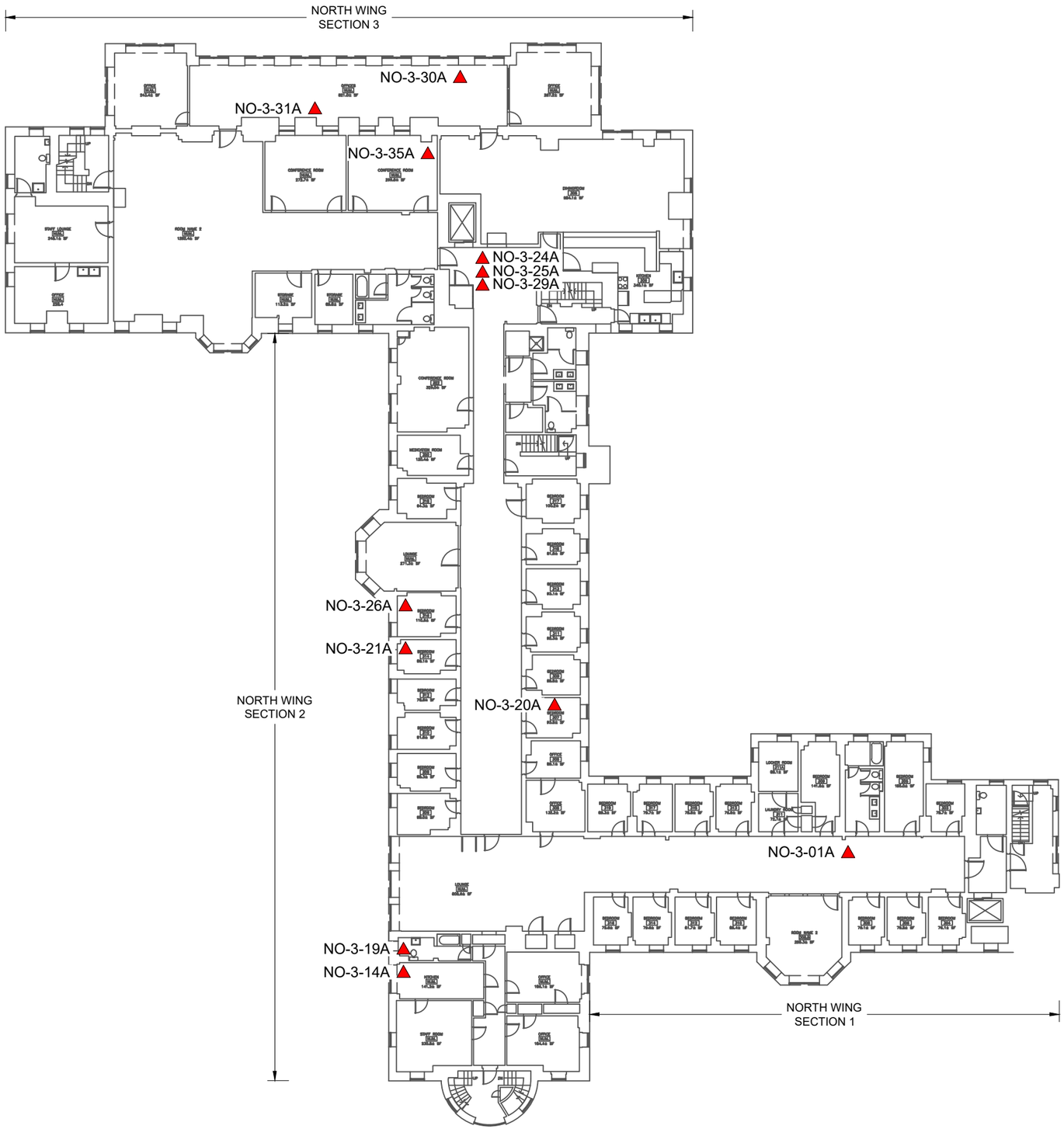
Site Address

Former Maine State Hospital:
Stone Building
67 Independence Drive
Augusta, Maine

211.06085 | Jan 2023

Figure 14
North Wing
Second Floor

File: SB_AugustaME_HBMI-F14_StoneN02.dwg Date: 01/25/2023



RANSOM
Consulting, LLC

Legend & Notes

▲ Sample Testing Positive for Asbestos

Notes:

1. Plan based on measurements and observations made by Ransom Consulting, LLC.
2. Some features are approximate in location and scale.
3. This plan has been prepared for Gale Associates Inc. All other uses are not authorized unless written permission is obtained from Ransom Consulting, LLC.

Scale and Orientation

0 150 300
1 inch = 300 feet

Prepared For

Mr. Steven Marshall
Gale Associates Inc.
6 Bedford Farms Drive, Suite 101
Bedford, New Hampshire 03110

Site Address

Former Maine State Hospital:
Stone Building
67 Independence Drive
Augusta, Maine

211.06085	Jan 2023

Figure 15
North Wing
Third Floor

File: SB_AugustaME_HBMI-F15_StoneN03.dwg Date: 01/25/2023

ATTACHMENT A

Photograph Logs

Hazardous Building Materials Inventory
Former Maine State Hospital: Stone Building
67 Independence Drive
Augusta, Maine

Photograph Log

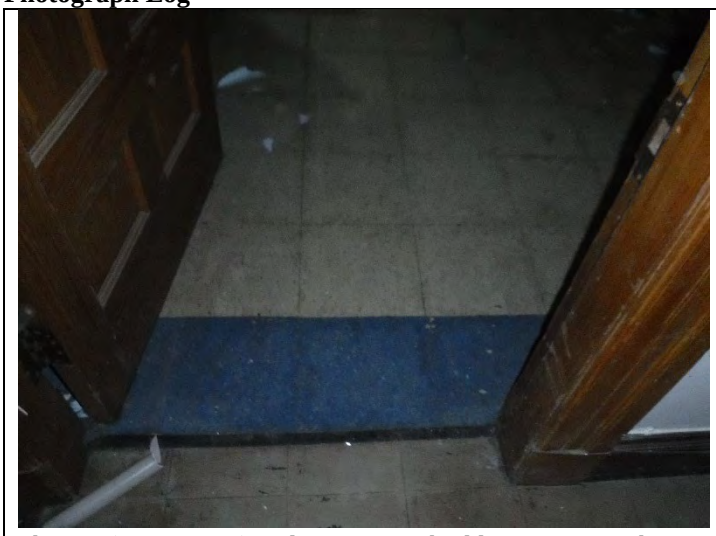


Photo 1 (12-15-2021): Administrative building/area. 9-inch VFT blue, mottled. Floor tile positive, ACM sample AD-1-01; associated mastic negative (AD-1-02).

Photo 2 (12-15-2021): Administrative building/area. 9-inch VFT brown with black mottles. Floor tiles positive, ACM sample AD-1-03; associated mastic negative (AD-1-04).

Photo 3 (12-15-2021): Administrative building/area. 9-inch VFT mottled tan. Floor tiles positive, ACM sample AD-2-01; associated mastic negative (AD-2-02).

Photo 4 (12-15-2021): Administrative building/area. 9-inch VFT mottled gray. Associated mastic positive, ACM sample AD-2-04; floor tiles PACM (AD-2-03).

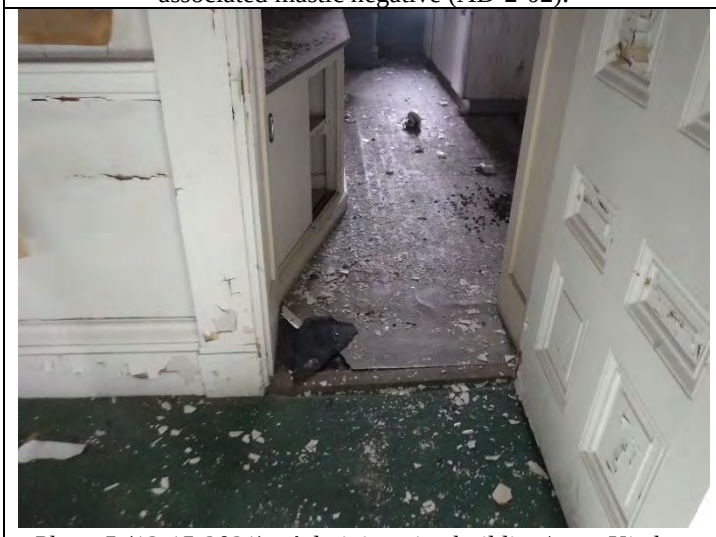


Photo 5 (12-15-2021): Administrative building/area. Kitchen linoleum. Associated mastic positive, ACM sample AD-3-10; impacted linoleum PACM (AD-3-09).

Photo 6 (12-15-2021): Administrative building/area. 9-inch VFT tan. Floor tile positive, ACM sample AD-4-01; associated mastic negative (AD-4-02).

Photograph Log

Photo 1 (12-17-2021): Representative photo of attic area.

Photo 2 (12-17-2021): Basement corridors with labeled ACM TSI piping runs of various sizes.

Photo 3 (12-17-2021): Location of positive ACM samples B-02A and B-03A

Photo 4 (12-17-2021): One of several areas of flagged ACM TSI within rooms off main corridors in basement area.

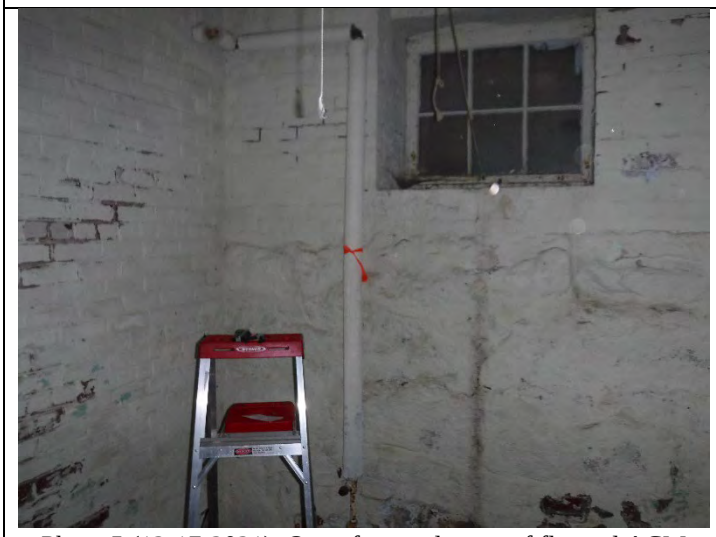


Photo 5 (12-17-2021): One of several areas of flagged ACM TSI within rooms off main corridors in basement area.

Photo 6 (12-17-2021): One of several areas of flagged ACM TSI within rooms off main corridors in basement area.

Photograph Log

Photo 1 (12-17-2021): Front of Site building, Administrative building/area. South wing Section I on right, North wing Section I on left.

Photo 2 (12-17-2021): South Wing – Section I. South Wing – Section II on far right and out of photo.

Photo 3 (12-17-2021): Portion of South Wing – Section III.

Photo 4 (12-17-2021): North Wing – Section I. Administrative building on far right.

Photo 5 (12-17-2021): North Wing – Section II.

Photo 6 (12-17-2021): North Wing – Section III.

Photograph Log

Photo 1 (12-16-2021): ACM 9-inch floor tile (NO-1-01) and associated ACM mastic (NO-1-02) located in select room of North Wing – Section I

Photo 2 (12-16-2021): ACM 9-inch floor tile (NO-3-01) located throughout hall/rooms of North Wing – Section I.

Photo 3 (12-16-2021): ACM mastic (NO-3-14) associated with multiple 12-inch floor tiles located throughout North Wing – Section II and III.

Photo 4 (12-16-2021): Example of an area with 9-inch floor tiles discovered beneath flooring/carpet. North Wing – Sections II and III.

Photo 5 (12-16-2021): ACM 9-inch floor tile (NO-3-19) located in North Wing – Section II.

Photo 6 (12-16-2021): ACM 12-inch floor tile (NO-3-21) and ACM mastic (NO-3-26) located in various rooms throughout North Wing – Sections II and III.

Photo 7 (12-16-2021): Three types of ACM or PACM 9-inch floor tile (NO-3-24, NO-3-25), all associated with ACM mastics located in North Wing – Section III.

Photo 8 (12-16-2021): PACM 9-inch floor tile (NO-3-28) and associated ACM mastic (NO-3-29) located in North Wing – Section III.

Photo 9 (12-16-2021): ACM 12-inch floor tile (NO-3-30) overlying ACM 9-inch floor tile (NO-3-31) and associated ACM mastic (NO-3-29) in North Wing – Section III.

Photo 10 (12-16-2021): ACM 9-inch floor tile (NO-1-04) and PACM mastic and 9-inch floor tile located in North Wing – Section III.

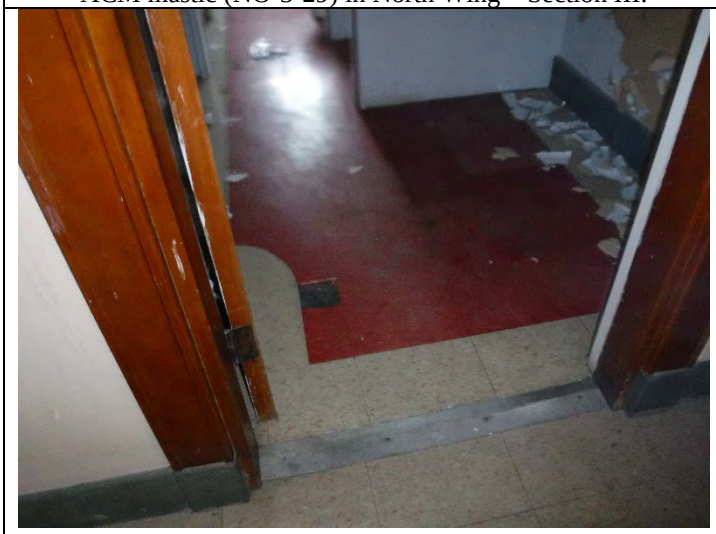


Photo 11 (12-16-2021): ACM black mastic (NO-2-03-Layer 2) associated with PACM 12-inch floor tile in North Wing – Section II.

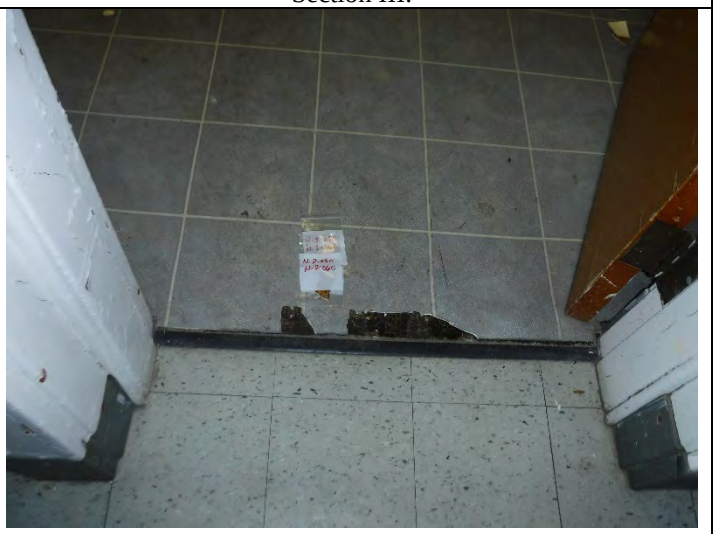


Photo 12 (12-16-2021): ACM mastic (NO-2-06) associated with PACM linoleum (NO-2-05) in North Wing – Section II.

Photograph Log

Photo 1 (12-17-2021): Boxed and labeled ACM flooring, located on first floor of South Wing – Section I

Photo 2 (12-17-2021): ACM 12-inch floor tiles (NO-3-30) located in select areas/room of South Wing – Sections II and III

Photo 3 (12-17-2021): ACM 9-inch floor tiles (SO-2-01) and associated ACM mastic (SO-2-02) discovered beneath an area of 12-inch floor tiles (NAD). South Wing – Section III.

Photo 4 (12-17-2021): ACM thick black mastic (SO-3-02) located in select rooms/areas of South Wing – Section III.

ATTACHMENT B

Historical Documentation

Hazardous Building Materials Inventory
Former Maine State Hospital: Stone Building
67 Independence Drive
Augusta, Maine

ATTACHMENT C

Certifications/Accreditations

Hazardous Building Materials Inventory
Former Maine State Hospital: Stone Building
67 Independence Drive
Augusta, Maine

STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JANET T. MILLS
GOVERNOR

MELANIE LOYZIM
COMMISSIONER

October 30, 2021

Ransom Consulting, LLC
112 Corporate Drive
Portsmouth, NH 03801

Dear Licensee:

Asbestos application(s) for individual certification of the **one** employee(s) listed below have been received and **approved**. Individual certification numbers are listed below and wallet card(s) are enclosed. Card(s) are property of the individual to whom each is issued. Your responsibility as a licensee is to ensure delivery of the cards to persons in your employment. This letter should be retained for your company files as record of certification. Please attach 1 updated passport size photo with every application.

Remember, in Maine all **certified employees** working on an asbestos abatement project, whether conducting removal/repair, air monitoring, design, inspection, or analysis functions, **must work for a State of Maine licensed asbestos firm** and carry his/her wallet card(s) on the job site.

As a reminder, prior to renewing your asbestos certification, the State of Maine **requires** an annual refresher course to be taken before submitting a renewal application. A certificate shall expire one year from the last day of the month from the date of issuance, **or on the last day of the month that the training certificate expires**, whichever is sooner.

All our asbestos forms can be found at https://www.maine.gov/dep/waste/asbestos/forms.html
Thank you for your cooperation and your completed application(s).

Name	Category	Certification #	Exp. Date
Bonnie A. Best	Inspector	AI-0870	10/31/2022

Sincerely,

Sandra J. Moody

Sandra J. Moody, Environmental Specialist
Division of Remediation
Bureau of Remediation and Waste Management

AUGUSTA
17 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0017
(207) 287-7688 FAX: (207) 287-7826

BANGOR
106 HOGAN ROAD, SUITE 6
BANGOR, MAINE 04401
(207) 941-4570 FAX: (207) 941-4584

PORTLAND
312 CANCO ROAD
PORTLAND, MAINE 04103
(207) 822-6300 FAX: (207) 822-6303

PRESQUE ISLE
1235 CENTRAL DRIVE, SKYWAY PARK
PRESQUE ISLE, MAINE 04769
(207) 764-0477 FAX: (207) 760-3143

website: www.maine.gov/dep

This is to certify that

Bonnie A. Best

936 Oakwoods Road, North Berwick, ME 03906

has completed requisite training by Video Conference, and has passed an examination for reaccreditation as:

Asbestos Inspector Refresher

pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

Course Location
Zoom Video Conference
Institute for Environmental Education 16 Upton Drive Wilmington, MA 01887

October 19, 2021
Course Dates

21-3599-106-237171
Certificate Number

October 19, 2021
Examination Date

October 19, 2022
Expiration Date

Training Director

16 Upton Drive, Wilmington, MA 01887 Telephone 978.658.5272 www.ieetrains.com

INSTITUTE FOR ENVIRONMENTAL EDUCATION

State of Maine
Department of Environmental Protection

LICENSE

Optimum Analytical and Consulting, LLC

Asbestos Analytical Laboratory
(Bulk)

License Number: LB-0067 **Expiration Date: 03/31/2022**

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101433-0

Optimum Analytical & Consulting LLC

Salem, NH

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2021-04-01 through 2022-03-31

Effective Dates

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

For the National Voluntary Laboratory Accreditation Program

R.J. ENTERPRISES, INC.

This is to certify that:

Erik Phenix

has completed the requisite 4-hour training, and has passed an examination for the

Asbestos Inspector Refresher

course pursuant Title II Toxic Substance Control Act, 15 U.S.C. 2646 and Maine State Regulations

7/23/2021	7/23/2022
DATE(S) OF TRAINING	*EXPIRATION DATE*

ELIZABETH STORER, DIRECTOR OF TRAINING

7/23/2021	100%
EXAM DATE	*EXAM SCORE*

ELIZABETH STORER, TRAINING INSTRUCTOR

AIR-21-7-1-2	TP-0031
CERTIFICATE NUMBER	*TRAINING PROVIDER ID #*

51 River Road, Brunswick, ME 04011 • Phone (207) 373-0344 • Fax (207) 373-1344

STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JANET T. MILLS
GOVERNOR

MELANIE LOYZIM
COMMISSIONER

State of Maine
Asbestos Abatement Program

Eriksen P. Phenix

Inspector
Cert No. AI-0560
Trn.Exp.Date 07/23/2022
Expiration Date 07/31/2022
This is not a legal form of official identification

August 23, 2021

Ransom Consulting, LLC
400 Commercial Street, Suite 404
Portland, Maine 04101

Dear Licensee:

Asbestos application(s) for individual certification of the **one** employee(s) listed below have been received and **approved**. Individual certification numbers are listed below and wallet card(s) are enclosed. Card(s) are property of the individual to whom each is issued. Your responsibility as a licensee is to ensure delivery of the cards to persons in your employment. This letter should be retained for your company files as record of certification. Please attach 1 updated passport size photo with every application.

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As a reminder, prior to renewing your asbestos certification, the State of Maine **requires** an annual refresher course to be taken before submitting a renewal application. A certificate shall expire one year from the last day of the month from the date of issuance, **or on the last day of the month that the training certificate expires**, whichever is sooner.

All our asbestos forms can be found at https://www.maine.gov/dep/waste/asbestos/forms.html
Thank you for your cooperation and your completed application(s).

Name	Category	Certification #	Exp. Date
Eriksen P. Phenix	Inspector	AI-0560	07/31/2022

Sincerely,

Sandra J. Moody

Sandra J. Moody, Environmental Specialist
Division of Remediation
Bureau of Remediation and Waste Management

AUGUSTA
17 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0017
(207) 287-7688 FAX: (207) 287-7826

BANGOR
106 HOGAN ROAD, SUITE 6
BANGOR, MAINE 04401
(207) 941-4570 FAX: (207) 941-4584

PORTLAND
312 CANCO ROAD
PORTLAND, MAINE 04103
(207) 822-6300 FAX: (207) 822-6303

PRESQUE ISLE
1235 CENTRAL DRIVE, SKYWAY PARK
PRESQUE ISLE, MAINE 04769
(207) 764-0477 FAX: (207) 760-3143

website: www.maine.gov/dep

ATTACHMENT D

Laboratory Reports

Hazardous Building Materials Inventory
Former Maine State Hospital: Stone Building
67 Independence Drive
Augusta, Maine

OPTIMUM
Analytical and Consulting, LLC

85 Stiles Road, Suite 201
Salem, NH 03079
603-458-5247

Erik Phenix
Ransom Environmental Consultants, Inc.
400 Commercial Street
Portland ME 04101

Project Reference:	211.06085
Laboratory Batch #:	2141251 v2
Date Samples Received:	12/23/2021
Date Samples Analyzed:	01/04/2022
Date of Final Report:	01/06/2022

SAMPLE IDENTIFICATION:

One Hundred Thirty Five (135) samples from AMHI Facility - Administrative Bldg., Augusta, ME project were submitted by Client on 12/23/2021

This bulk sample(s) was delivered to Optimum Analytical Consulting, LLC (Optimum) located in Salem, New Hampshire for asbestos content determination.

ANALYTICAL METHOD:

Analytical procedures were performed in accordance with the U.S. Environmental Protection Agency (EPA) Recommended Method for the Determination of Asbestos in Bulk Samples by Polarized Light Microscopy and Dispersion Staining (PLM/DS)(EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials). This report relates only to those samples analyzed, and may not be indicative of other similar appearing materials existing at this, or other sites. Quantification of asbestos content was determined by Calibrated Visual Estimation. Optimum is not responsible for sample collection activities or analytical method limitations. The laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

In any given material, fibers with a small diameter (<0.25µm) may not be detected by the PLM method. Floor tile and other resinous bound materials may yield a false negative if the asbestos fibers are too small to be resolved using PLM. Additionally, there is currently no approved EPA analytical method to reliably confirm vermiculite as non-asbestos containing. Additional analytical methods may be required. Optimum Analytical recommends using Transmission Electron Microscopy (TEM) or other approved methods for a more definitive analysis.

Optimum will retain all samples for a minimum of three months. Further analysis or return of samples must be requested within this three month period to guarantee their availability. This report may not be reproduced except in full, without the written approval of Optimum Analytical and Consulting, LLC.

The client/laboratory shall not use the NVLAP and AIHA Logo or this test report in a way that constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology or the American Industrial Hygiene Association.

Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Point Count = .25%, 1000 Point Count = 0.1%; Present or Absent are observations made during a qualitative analysis.

This report is considered preliminary until signed by both the Laboratory Analyst and Laboratory Director or Supervisor. If you have any questions regarding this report, please do not hesitate to contact us.

Jamie L. Noel
Laboratory Director

Kristina Scaviola
Laboratory Supervisor

NVLAP Lab Code: 101433-0

OPTIMUM
Analytical and Consulting, LLC
85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.	**ORDER #:**	2141251 v2
ADDRESS:	400 Commercial Street	**PROJECT #:**	211.06085
CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - Administrative Bldg., Augusta, ME	**ANALYSIS DATE:**	01/04/2022
		REPORT DATE:	01/06/2022
		ANALYST:	Jamie Noel

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141251-001	Administrative Building / First Floor					
AD-1-01A	9"x9" Vinyl Floor Tile, Blue Mottled	LAYER 1 100%	Chrysotile	2.24%	Cellulose Fiber Non-Fibrous Material	1% 96.76%
		Total % Asbestos:		2.2%	**Total % Non-Asbestos:**	97.8%
2141251-002	Administrative Building / First Floor					
AD-1-01B	9"x9" Vinyl Floor Tile, Blue Mottled Note: Positive Stop	LAYER 1 100%				
2141251-003	Administrative Building / First Floor					
AD-1-01C	9"x9" Vinyl Floor Tile, Blue Mottled Note: Positive Stop	LAYER 1 100%				
2141251-004	Administrative Building / First Floor					
AD-1-02A	Mastic, Black Note: Insufficient Mastic for Gravimetric Reduction; Analysis Via PLM only.	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-005	Administrative Building / First Floor					
AD-1-02B	Mastic, Black	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-006	Administrative Building / First Floor					
AD-1-02C	Mastic, Black Note: Insufficient Mastic for Gravimetric Reduction; Analysis Via PLM only.	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-007	Administrative Building / First Floor					
AD-1-03A	9"x9" Vinyl Floor Tile, Brown	LAYER 1 100%	Chrysotile	4.20%	Cellulose Fiber Non-Fibrous Material	1% 94.80%
		Total % Asbestos:		4.2%	**Total % Non-Asbestos:**	95.8%
2141251-008	Administrative Building / First Floor					
AD-1-03B	9"x9" Vinyl Floor Tile, Brown Note: Positive Stop	LAYER 1 100%				

OPTIMUM
Analytical and Consulting, LLC
85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.	**ORDER #:**	2141251 v2
ADDRESS:	400 Commercial Street	**PROJECT #:**	211.06085
CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - Administrative Bldg., Augusta, ME	**ANALYSIS DATE:**	01/04/2022
		REPORT DATE:	01/06/2022
		ANALYST:	Jamie Noel

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141251-009 AD-1-03C	Administrative Building / First Floor 9"x9" Vinyl Floor Tile, Brown Note: Positive Stop	LAYER 1 100%				
2141251-010 AD-1-04A	Administrative Building / First Floor Mastic, Black Note: insufficient amount of Mastic for analysis.	LAYER 1 100%				
2141251-011 AD-1-04B	Administrative Building / First Floor Mastic, Black	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	3% 97%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-012 AD-1-04C	Administrative Building / First Floor Mastic, Black Note: Insufficient amount of Mastic for analysis.	LAYER 1 100%				
2141251-013 AD-1-05A	Administrative Building / First Floor 1'x1' Ceiling Tile, Brown/White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	95% 5%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-014 AD-1-05B	Administrative Building / First Floor 1'x1' Ceiling Tile, Brown/White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	95% 5%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-015 AD-1-05C	Administrative Building / First Floor 1'x1' Ceiling Tile, Brown/White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	95% 5%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-016 AD-1-06A	Administrative Building / First Floor 12"x12" Vinyl Floor Tile, Green	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%

OPTIMUM
Analytical and Consulting, LLC
85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.	**ORDER #:**	2141251 v2
ADDRESS:	400 Commercial Street	**PROJECT #:**	211.06085
CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - Administrative Bldg., Augusta, ME	**ANALYSIS DATE:**	01/04/2022
		REPORT DATE:	01/06/2022
		ANALYST:	Jamie Noel

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141251-017 AD-1-06B	Administrative Building / First Floor 12"x12" Vinyl Floor Tile, Green	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-018 AD-1-06C	Administrative Building / First Floor 12"x12" Vinyl Floor Tile, Green	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-019 AD-1-07A	Administrative Building / First Floor Mastic, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-020 AD-1-07B	Administrative Building / First Floor Mastic not Present,	LAYER 1 100%				
2141251-021 AD-1-07C	Administrative Building / First Floor Mastic, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-022 AD-1-08A	Administrative Building / First Floor Sheet Flooring, Blue/Green/White	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	35% 15% 50%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-023 AD-1-08B	Administrative Building / First Floor Sheet Flooring, Blue/Green/White	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	35% 15% 50%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-024 AD-1-08C	Administrative Building / First Floor Sheet Flooring, Blue/Green/White	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	35% 15% 50%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%

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BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.	**ORDER #:**	2141251 v2
ADDRESS:	400 Commercial Street	**PROJECT #:**	211.06085
CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - Administrative Bldg., Augusta, ME	**ANALYSIS DATE:**	01/04/2022
		REPORT DATE:	01/06/2022
		ANALYST:	Jamie Noel

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141251-025 AD-1-09A	Administrative Building / First Floor Mastic, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Binder/Filler	5% 3% 92%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-026 AD-1-09B	Administrative Building / First Floor Mastic, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Binder/Filler	5% 3% 92%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-027 AD-1-09C	Administrative Building / First Floor Mastic, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Binder/Filler	5% 3% 92%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-028 AD-1-10A	Administrative Building / First Floor Drywall, Gray/Brown	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	10% 90%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-029 AD-1-10B	Administrative Building / First Floor Drywall, Gray/Brown	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	10% 90%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-030 AD-1-10C	Administrative Building / First Floor Drywall, Gray/Brown	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	10% 90%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-031 AD-1-11A	Administrative Building / First Floor Joint Compound, White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%

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PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

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CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
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LOCATION:	AMHI Facility - Administrative Bldg., Augusta, ME	**ANALYSIS DATE:**	01/04/2022
		REPORT DATE:	01/06/2022
		ANALYST:	Jamie Noel

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141251-032 AD-1-11B	Administrative Building / First Floor Joint Compound, White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-033 AD-1-11C	Administrative Building / First Floor Joint Compound, White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-034 AD-1-12A	Administrative Building / First Floor Carpet Mastic, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-035 AD-1-12B	Administrative Building / First Floor Carpet Mastic, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-036 AD-1-12C	Administrative Building / First Floor Carpet Mastic, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-037 AD-2-01A	Administrative Building / Second Floor 9"x9" Vinyl Floor Tile, Tan	LAYER 1 100%	Chrysotile	3.98%	Cellulose Fiber Non-Fibrous Material	1% 95.02%
		Total % Asbestos:		4.0%	**Total % Non-Asbestos:**	96.0%
2141251-038 AD-2-01B	Administrative Building / Second Floor 9"x9" Vinyl Floor Tile, Tan Note: Positive Stop	LAYER 1 100%				
2141251-039 AD-2-01C	Administrative Building / Second Floor 9"x9" Vinyl Floor Tile, Tan Note: Positive Stop	LAYER 1 100%				

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PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

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		ANALYST:	Jamie Noel

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141251-040 AD-2-02A	Administrative Building / Second Floor Mastic, Black	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-041 AD-2-02B	Administrative Building / Second Floor Mastic, Black	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-042 AD-2-02C	Administrative Building / Second Floor Mastic, Black	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-043 AD-2-03A	Administrative Building / Second Floor 9"x9" Vinyl Floor Tile, Gray Note: Sample on Hold.	LAYER 1 100%				
2141251-044 AD-2-03B	Administrative Building / Second Floor 9"x9" Vinyl Floor Tile, Gray Note: Sample on Hold.	LAYER 1 100%				
2141251-045 AD-2-03C	Administrative Building / Second Floor 9"x9" Vinyl Floor Tile, Gray Note: Sample on Hold.	LAYER 1 100%				
2141251-046 AD-2-04A	Administrative Building / Second Floor Mastic, Black Note: Insufficient Mastic for Gravimetric Reduction; Analysis Via PLM only.	LAYER 1 100%	Chrysotile	3%	Cellulose Fiber Binder/Filler	1% 96%
		Total % Asbestos:		3.0%	**Total % Non-Asbestos:**	97.0%
2141251-047 AD-2-04B	Administrative Building / Second Floor Mastic, Black Note: Positive Stop	LAYER 1 100%				

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PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

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		ANALYST:	Jamie Noel

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141251-048 AD-2-04C	Administrative Building / Second Floor Mastic, Black Note: Positive Stop	LAYER 1 100%				
2141251-049 AD-2-05A	Administrative Building / Second Floor 9"x9" Vinyl Floor Tile, Black Note: Sample on Hold.	LAYER 1 100%				
2141251-050 AD-2-05B	Administrative Building / Second Floor 9"x9" Vinyl Floor Tile, Black Note: Sample on Hold.	LAYER 1 100%				
2141251-051 AD-2-05C	Administrative Building / Second Floor 9"x9" Vinyl Floor Tile, Black Note: Sample on Hold.	LAYER 1 100%				
2141251-052 AD-2-06A	Administrative Building / Second Floor Mastic, Black	LAYER 1 100%	Chrysotile	2.18%	Cellulose Fiber Binder/Filler	1% 96.82%
		Total % Asbestos:		2.2%	**Total % Non-Asbestos:**	97.8%
2141251-053 AD-2-06B	Administrative Building / Second Floor Mastic, Black Note: Positive Stop	LAYER 1 100%				
2141251-054 AD-2-06C	Administrative Building / Second Floor Mastic, Black Note: Positive Stop	LAYER 1 100%				
2141251-055 AD-2-07A	Administrative Building / Second Floor Ceramic Floor Tile Grout, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-056 AD-2-07B	Administrative Building / Second Floor Ceramic Floor Tile Grout, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%

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PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

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REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141251-057 AD-2-07C	Administrative Building / Second Floor Ceramic Floor Tile Grout, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-058 AD-2-08A	Administrative Building / Second Floor Vibration Gasket, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	95% 5%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-059 AD-2-08B	Administrative Building / Second Floor Vibration Gasket, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	95% 5%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-060 AD-2-08C	Administrative Building / Second Floor Vibration Gasket, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	95% 5%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-061 AD-2-09A	Administrative Building / Second Floor Sheet Flooring, Red	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	1% 15% 84%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-062 AD-2-09B	Administrative Building / Second Floor Sheet Flooring, Red	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	1% 15% 84%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-063 AD-2-09C	Administrative Building / Second Floor Sheet Flooring, Red	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	1% 15% 84%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%

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BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.	**ORDER #:**	2141251 v2
ADDRESS:	400 Commercial Street	**PROJECT #:**	211.06085
CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
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LOCATION:	AMHI Facility - Administrative Bldg., Augusta, ME	**ANALYSIS DATE:**	01/04/2022
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		ANALYST:	Jamie Noel

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141251-064 AD-2-10A	Administrative Building / Second Floor Mastic, Clear	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	2% 98%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-065 AD-2-10B	Administrative Building / Second Floor Mastic, Clear	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	2% 98%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-066 AD-2-10C	Administrative Building / Second Floor Mastic, Clear	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	2% 98%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-067 AD-3-01A	Administrative Building / Third Floor Linoleum, White/Brown/Black	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	90% 10%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-068 AD-3-01B	Administrative Building / Third Floor Linoleum, White/Brown/Black	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	90% 10%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-069 AD-3-01C	Administrative Building / Third Floor Linoleum, White/Brown/Black	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	90% 10%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-070 AD-3-02A	Administrative Building / Third Floor 1'x2' Ceiling Tile, White/Brown	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	95% 5%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-071 AD-3-02B	Administrative Building / Third Floor 1'x2' Ceiling Tile, White/Brown	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	95% 5%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%

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BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

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CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
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		ANALYST:	Jamie Noel

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141251-072 AD-3-02C	Administrative Building / Third Floor 1'x2' Ceiling Tile, White/Brown	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	95% 5%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-073 AD-3-03A	Administrative Building / Third Floor 12"x" Vinyl Floor Tile, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-074 AD-3-03B	Administrative Building / Third Floor 12"x" Vinyl Floor Tile, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-075 AD-3-03C	Administrative Building / Third Floor 12"x" Vinyl Floor Tile, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-076 AD-3-04A	Administrative Building / Third Floor Mastic, Black/Tan	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-077 AD-3-04B	Administrative Building / Third Floor Mastic, Black/Tan	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-078 AD-3-04C	Administrative Building / Third Floor Mastic, Black/Tan	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-079 AD-3-05A	Administrative Building / Third Floor Ceramic Wall Tile Grout, White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%

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BULK SAMPLE ANALYSIS REPORT
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REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141251-080 AD-3-05B	Administrative Building / Third Floor Ceramic Wall Tile Grout, White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-081 AD-3-05C	Administrative Building / Third Floor Ceramic Wall Tile Grout, White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-082 AD-3-06A	Administrative Building / Third Floor Ceramic Floor Tile Grout, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-083 AD-3-06B	Administrative Building / Third Floor Ceramic Floor Tile Grout, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-084 AD-3-06C	Administrative Building / Third Floor Ceramic Floor Tile Grout, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-085 AD-3-07A	Administrative Building / Third Floor Ceramic Wall Tile Grout, White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-086 AD-3-07B	Administrative Building / Third Floor Ceramic Wall Tile Grout, White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-087 AD-3-07C	Administrative Building / Third Floor Ceramic Wall Tile Grout, White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%

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CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - Administrative Bldg., Augusta, ME	**ANALYSIS DATE:**	01/04/2022
		REPORT DATE:	01/06/2022
		ANALYST:	Jamie Noel

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141251-088 AD-3-08A	Administrative Building / Third Floor Ceramic Floor Tile Grout, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-089 AD-3-08B	Administrative Building / Third Floor Ceramic Floor Tile Grout, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-090 AD-3-08C	Administrative Building / Third Floor Ceramic Floor Tile Grout, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-091 AD-3-09A	Administrative Building / Fourth Floor Linoleum, Gray Note: Sample on Hold.	LAYER 1 100%				
2141251-092 AD-3-09B	Administrative Building / Fourth Floor Linoleum, Gray Note: Sample on Hold.	LAYER 1 100%				
2141251-093 AD-3-09C	Administrative Building / Fourth Floor Linoleum, Gray Note: Sample on Hold.	LAYER 1 100%				
2141251-094 AD-3-10A	Administrative Building / Fourth Floor Mastic, Black	LAYER 1 100%	Chrysotile	3.75%	Cellulose Fiber Binder/Filler	5% 91.25%
		Total % Asbestos:		3.8%	**Total % Non-Asbestos:**	96.3%
2141251-095 AD-3-10B	Administrative Building / Fourth Floor Mastic, Black Note: Positive Stop	LAYER 1 100%				
2141251-096 AD-3-10C	Administrative Building / Fourth Floor Mastic, Black Note: Positive Stop	LAYER 1 100%				

OPTIMUM
Analytical and Consulting, LLC
85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.	**ORDER #:**	2141251 v2
ADDRESS:	400 Commercial Street	**PROJECT #:**	211.06085
CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - Administrative Bldg., Augusta, ME	**ANALYSIS DATE:**	01/04/2022
		REPORT DATE:	01/06/2022
		ANALYST:	Jamie Noel

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141251-097 AD-3-11A	Administrative Building / Fourth Floor Hearth Grout, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-098 AD-3-11B	Administrative Building / Fourth Floor Hearth Grout, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-099 AD-3-11C	Administrative Building / Fourth Floor Hearth Grout, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-100 AD-3-12A	Administrative Building / Fourth Floor Vinyl Stair Tread, Brown	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-101 AD-3-12B	Administrative Building / Fourth Floor Vinyl Stair Tread, Brown	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-102 AD-3-12C	Administrative Building / Fourth Floor Vinyl Stair Tread, Brown	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-103 AD-3-13A	Administrative Building / Fourth Floor Vinyl Stair Tread Mastic, Tan Note: Insufficient Mastic for Gravimetric Reduction; Analysis Via PLM only.	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%

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BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.	**ORDER #:**	2141251 v2
ADDRESS:	400 Commercial Street	**PROJECT #:**	211.06085
CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - Administrative Bldg., Augusta, ME	**ANALYSIS DATE:**	01/04/2022
		REPORT DATE:	01/06/2022
		ANALYST:	Jamie Noel

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141251-104 AD-3-13B	Administrative Building / Fourth Floor Vinyl Stair Tread Mastic, Tan Note: Insufficient Mastic for Gravimetric Reduction; Analysis Via PLM only.	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-105 AD-3-13C	Administrative Building / Fourth Floor Vinyl Stair Tread Mastic, Tan Note: Insufficient Mastic for Gravimetric Reduction; Analysis Via PLM only.	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-106 AD-4-01A	Administrative Building / Fourth Floor 9"x9" Vinyl Floor Tile, Tan	LAYER 1 100%	Chrysotile	2.70%	Cellulose Fiber Non-Fibrous Material	1% 96.30%
		Total % Asbestos:		2.7%	**Total % Non-Asbestos:**	97.3%
2141251-107 AD-4-01B	Administrative Building / Fourth Floor 9"x9" Vinyl Floor Tile, Tan Note: Sample on Hold.	LAYER 1 100%				
2141251-108 AD-4-01C	Administrative Building / Fourth Floor 9"x9" Vinyl Floor Tile, Tan Note: Sample on Hold.	LAYER 1 100%				
2141251-109 AD-4-02A	Administrative Building / Fourth Floor Mastic, Black	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-110 AD-4-02B	Administrative Building / Fourth Floor Mastic, Black	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-111 AD-4-02C	Administrative Building / Fourth Floor Mastic, Black	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%

OPTIMUM
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BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.	**ORDER #:**	2141251 v2
ADDRESS:	400 Commercial Street	**PROJECT #:**	211.06085
CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - Administrative Bldg., Augusta, ME	**ANALYSIS DATE:**	01/04/2022
		REPORT DATE:	01/06/2022
		ANALYST:	Jamie Noel

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141251-112 AD-4-03A	Administrative Building / Fourth Floor 2'x2' Ceiling Tile, Gray/White	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Mineral Wool Binder/Filler	65% 10% 5% 20%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-113 AD-4-03B	Administrative Building / Fourth Floor 2'x2' Ceiling Tile, Gray/White	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Mineral Wool Binder/Filler	65% 10% 5% 20%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-114 AD-4-03C	Administrative Building / Fourth Floor 2'x2' Ceiling Tile, Gray/White	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Mineral Wool Binder/Filler	65% 10% 5% 20%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-115 AD-4-04A	Administrative Building / Fourth Floor 12"x12" Vinyl Floor Tile, Black/Brown	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-116 AD-4-04B	Administrative Building / Fourth Floor 12"x12" Vinyl Floor Tile, Black/Brown	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-117 AD-4-04C	Administrative Building / Fourth Floor 12"x12" Vinyl Floor Tile, Black/Brown	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-118 AD-4-05A	Administrative Building / Fourth Floor Mastic, Black	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	2% 98%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%

OPTIMUM
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BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.	**ORDER #:**	2141251 v2
ADDRESS:	400 Commercial Street	**PROJECT #:**	211.06085
CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - Administrative Bldg., Augusta, ME	**ANALYSIS DATE:**	01/04/2022
		REPORT DATE:	01/06/2022
		ANALYST:	Jamie Noel

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141251-119 AD-4-05B	Administrative Building / Fourth Floor Mastic, Black	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	2% 98%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-120 AD-4-05C	Administrative Building / Fourth Floor Mastic, Black	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	2% 98%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-121 AD-5-01A	Administrative Building / Fifth Floor 1'x1' Ceiling Tile, Brown/White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	97% 3%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-122 AD-5-01B	Administrative Building / Fifth Floor 1'x1' Ceiling Tile, Brown/White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	97% 3%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-123 AD-5-01C	Administrative Building / Fifth Floor 1'x1' Ceiling Tile, Brown/White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	97% 3%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-124 AD-5-02A	Administrative Building / Fifth Floor Drywall, Gray/Brown	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	10% 90%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-125 AD-5-02B	Administrative Building / Fifth Floor Drywall, Gray/Brown	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	10% 90%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-126 AD-5-02C	Administrative Building / Fifth Floor Drywall, Gray/Brown	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	10% 90%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%

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BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.	**ORDER #:**	2141251 v2
ADDRESS:	400 Commercial Street	**PROJECT #:**	211.06085
CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - Administrative Bldg., Augusta, ME	**ANALYSIS DATE:**	01/04/2022
		REPORT DATE:	01/06/2022
		ANALYST:	Jamie Noel

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141251-127 AD-5-03A	Administrative Building / Fifth Floor 12"x12" Vinyl Floor Tile, Tan Note: Sample on Hold.	LAYER 1 100%				
2141251-128 AD-5-03B	Administrative Building / Fifth Floor 12"x12" Vinyl Floor Tile, Tan Note: Sample on Hold.	LAYER 1 100%				
2141251-129 AD-5-03C	Administrative Building / Fifth Floor 12"x12" Vinyl Floor Tile, Tan Note: Sample on Hold.	LAYER 1 100%				
2141251-130 AD-5-04A	Administrative Building / Fifth Floor 12"x12" Vinyl Floor Tile, Blue	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-131 AD-5-04B	Administrative Building / Fifth Floor 12"x12" Vinyl Floor Tile, Blue	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-132 AD-5-04C	Administrative Building / Fifth Floor 12"x12" Vinyl Floor Tile, Blue	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-133 AD-5-05A	Administrative Building / Fifth Floor Mastic, Tan Note: Insufficient Mastic for Gravimetric Reduction; Analysis Via PLM only.	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	2% 98%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141251-134 AD-5-05B	Administrative Building / Fifth Floor Mastic, Tan Note: Insufficient Mastic for Gravimetric Reduction; Analysis Via PLM only.	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	2% 98%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%

OPTIMUM
Analytical and Consulting, LLC
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BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.	**ORDER #:**	2141251 v2
ADDRESS:	400 Commercial Street	**PROJECT #:**	211.06085
CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - Administrative Bldg., Augusta, ME	**ANALYSIS DATE:**	01/04/2022
		REPORT DATE:	01/06/2022
		ANALYST:	Jamie Noel

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141251-135	Administrative Building / Fifth Floor					
AD-5-05C	Mastic, Tan Note: Insufficient Mastic for Gravimetric Reduction; Analysis Via PLM only.	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	2% 98%

Total % Asbestos: No Asbestos Detected **Total % Non-Asbestos:** 100.0%

This report has been updated to reflect analysis of samples previously placed on hold. This report replaces any previously issued report for this order. Report Order # 2141251 Issue 2; 1/13/2022.

Analyst Signatory:
Jamie Noel

NVLAP TESTING
NVLAP Lab Code: 101433-0

OPTIMUM
Analytical and Consulting, LLC
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BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.
ADDRESS:	400 Commercial Street
CITY / STATE / ZIP:	Portland ME 04101
CONTACT:	Erik Phenix
DESCRIPTION:	PLM Analysis
LOCATION:	AMHI Facility - Administrative Bldg., Augusta, ME

ORDER #:	2141251 v2
PROJECT #:	211.06085
DATE COLLECTED:	
COLLECTED BY:	Client
DATE RECEIVED:	12/23/2021
ANALYSIS DATE:	01/04/2022
REPORT DATE:	01/06/2022
ANALYST:	Jamie Noel

Jamie Noel

To: Bonnie A. Best
Cc: Eriksen Phenix
Subject: RE: Samples OFF HOLD - AMHI Facility

From: Bonnie A. Best
Sent: Friday, January 7, 2022 9:34 AM
To: Jamie Noel <jamie.noel@optimumanalytical.com>
Cc: Eriksen Phenix <ephenix@ransomenv.com>
Subject: Samples OFF HOLD - AMHI Facility

Hi Jamie,

See below for a list of sample sets to take off HOLD and RUN:

AMHI North Wing (Lab Batch 214152):

- NO-1-01
- NO-1-04
- NO-2-01
- NO-2-14
- NO-3-01
- NO-3-03
- NO-3-11
- NO-3-19
- NO-3-20
- NO-3-24
- NO-3-25
- NO-3-30
- NO-3-31
- NO-3-35

AMHI Administrative Building (Lab Batch 2141251)

- AD-1-01
- AD-1-03
- AD-1-06
- AD-1-08
- AD-2-01
- AD-2-09
- AD-3-03
- AD-4-01
- AD-4-04
- AD-5-04

Thank you,

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BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.
ADDRESS:	400 Commercial Street
CITY / STATE / ZIP:	Portland ME 04101
CONTACT:	Erik Phenix
DESCRIPTION:	PLM Analysis
LOCATION:	AMHI Facility - Administrative Bldg., Augusta, ME

ORDER #:	2141251 v2
PROJECT #:	211.06085
DATE COLLECTED:	
COLLECTED BY:	Client
DATE RECEIVED:	12/23/2021
ANALYSIS DATE:	01/04/2022
REPORT DATE:	01/06/2022
ANALYST:	Jamie Noel

2141251

Client:	Ransom Consulting, LLC	***Instructions:***
Contact:	Bonnie A. Best	*Use Column "B" for your contact info*
Address:	112 Corporate Drive, Portsmouth, NH 03801	
Phone:	(603) 436-1490	*To See an Example Click the bottom Example Tab*
Fax:	(603) 436-6037	
Email:	bonnie.best@ransomenv.com ephenix@ransomenv.com	***Enter samples between "<<" and ">>"***
Project:	AMHI Facility - ADMINISTRATIVE BUILDING	***Begin Samples with a "<< "above the first sample***
Ransom Project #	211.06085	***and end with a ">>" below the last sample.***
	Augusta, Maine	*Only Enter your data on the first sheet "Sheet1"*
Client Notes:	**Positive Stop Requested** *Please analyze prepare NOB samples via gravimetric reduction, per MEDEP requirements*	
P.O. #:	13492	*Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included in the electronic data returned to you to facilitate your reintegration of the report data.*
Date Submitted:	12/22/2021 0:00	
	Please HOLD all VFT/LINO highlighted blue	
Analysis:	Bulk PLM	
TurnAroundTime:	**Standard TAT**	

Sample Number	Building/Area	Sample Description
<<		
AD-1-01A	Administrative Building / First Floor	9"x9" vinyl floor tile - blue mottled
AD-1-01B	Administrative Building / First Floor	9"x9" vinyl floor tile - blue mottled
AD-1-01C	Administrative Building / First Floor	9"x9" vinyl floor tile - blue mottled
AD-1-02A	Administrative Building / First Floor	Mastic assoc. w/ AD-1-01A-C
AD-1-02B	Administrative Building / First Floor	Mastic assoc. w/ AD-1-01A-C
AD-1-02C	Administrative Building / First Floor	Mastic assoc. w/ AD-1-01A-C
AD-1-03A	Administrative Building / First Floor	9"x9" vinyl floor tile - brown w/ black mottles
AD-1-03B	Administrative Building / First Floor	9"x9" vinyl floor tile - brown w/ black mottles
AD-1-03C	Administrative Building / First Floor	9"x9" vinyl floor tile - brown w/ black mottles
AD-1-04A	Administrative Building / First Floor	Mastic assoc. w/ AD-1-03A-C
AD-1-04B	Administrative Building / First Floor	Mastic assoc. w/ AD-1-03A-C
AD-1-04C	Administrative Building / First Floor	Mastic assoc. w/ AD-1-03A-C
AD-1-05A	Administrative Building / First Floor	1'x1' ceiling tile
AD-1-05B	Administrative Building / First Floor	1'x1' ceiling tile
AD-1-05C	Administrative Building / First Floor	1'x1' ceiling tile
AD-1-06A	Administrative Building / First Floor	12"x12" vinyl floor tile - green
AD-1-06B	Administrative Building / First Floor	12"x12" vinyl floor tile - green
AD-1-06C	Administrative Building / First Floor	12"x12" vinyl floor tile - green
AD-1-07A	Administrative Building / First Floor	Mastic assoc. w/ AD-1-06A/C
AD-1-07B	Administrative Building / First Floor	Mastic assoc. w/ AD-1-06A/C
AD-1-07C	Administrative Building / First Floor	Mastic assoc. w/ AD-1-06A/C
AD-1-08A	Administrative Building / First Floor	Sheet flooring - green
AD-1-08B	Administrative Building / First Floor	Sheet flooring - green
AD-1-08C	Administrative Building / First Floor	Sheet flooring - green
AD-1-09A	Administrative Building / First Floor	Mastic assoc. w/ AD-1-08A/C
AD-1-09B	Administrative Building / First Floor	Mastic assoc. w/ AD-1-08A/C
AD-1-09C	Administrative Building / First Floor	Mastic assoc. w/ AD-1-08A/C
AD-1-10A	Administrative Building / First Floor	Drywall
AD-1-10B	Administrative Building / First Floor	Drywall
AD-1-10C	Administrative Building / First Floor	Drywall
AD-1-11A	Administrative Building / First Floor	Joint compound assoc. w/ AD-1-10A/C
AD-1-11B	Administrative Building / First Floor	Joint compound assoc. w/ AD-1-10A/C
AD-1-11C	Administrative Building / First Floor	Joint compound assoc. w/ AD-1-10A/C
AD-1-12A	Administrative Building / First Floor	Carpet mastic
AD-1-12B	Administrative Building / First Floor	Carpet mastic
AD-1-12C	Administrative Building / First Floor	Carpet mastic
AD-2-01A	Administrative Building / Second Floor	9"x9" vinyl floor tile - mottled tan
AD-2-01B	Administrative Building / Second Floor	9"x9" vinyl floor tile - mottled tan
AD-2-01C	Administrative Building / Second Floor	9"x9" vinyl floor tile - mottled tan

OPTIMUM
Analytical and Consulting, LLC
85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.
ADDRESS:	400 Commercial Street
CITY / STATE / ZIP:	Portland ME 04101
CONTACT:	Erik Phenix
DESCRIPTION:	PLM Analysis
LOCATION:	AMHI Facility - Administrative Bldg., Augusta, ME

ORDER #:	2141251 v2
PROJECT #:	211.06085
DATE COLLECTED:	
COLLECTED BY:	Client
DATE RECEIVED:	12/23/2021
ANALYSIS DATE:	01/04/2022
REPORT DATE:	01/06/2022
ANALYST:	Jamie Noel

2141251

AD-2-02A	Administrative Building / Second Floor	Mastic assoc. w/ AD-2-01A/C
AD-2-02B	Administrative Building / Second Floor	Mastic assoc. w/ AD-2-01A/C
AD-2-02C	Administrative Building / Second Floor	Mastic assoc. w/ AD-2-01A/C
AD-2-03A	Administrative Building / Second Floor	9"x9" vinyl floor tile - mottled gray
AD-2-03B	Administrative Building / Second Floor	9"x9" vinyl floor tile - mottled gray
AD-2-03C	Administrative Building / Second Floor	9"x9" vinyl floor tile - mottled gray
AD-2-04A	Administrative Building / Second Floor	Mastic assoc. w/ AD-2-03A/C
AD-2-04B	Administrative Building / Second Floor	Mastic assoc. w/ AD-2-03A/C
AD-2-04C	Administrative Building / Second Floor	Mastic assoc. w/ AD-2-03A/C
AD-2-05A	Administrative Building / Second Floor	9"x9" vinyl floor tile - black
AD-2-05B	Administrative Building / Second Floor	9"x9" vinyl floor tile - black
AD-2-05C	Administrative Building / Second Floor	9"x9" vinyl floor tile - black
AD-2-05A	Administrative Building / Second Floor	Mastic assoc. w/ AD-2-05A/C
AD-2-06B	Administrative Building / Second Floor	Mastic assoc. w/ AD-2-05A/C
AD-2-06C	Administrative Building / Second Floor	Mastic assoc. w/ AD-2-05A/C
AD-2-07A	Administrative Building / Second Floor	Ceramic floor tile grout
AD-2-07B	Administrative Building / Second Floor	Ceramic floor tile grout
AD-2-07C	Administrative Building / Second Floor	Ceramic floor tile grout
AD-2-08A	Administrative Building / Second Floor	Vibration gasket
AD-2-08B	Administrative Building / Second Floor	Vibration gasket
AD-2-08C	Administrative Building / Second Floor	Vibration gasket
AD-2-09A	Administrative Building / Second Floor	Sheet flooring - brown/red
AD-2-09B	Administrative Building / Second Floor	Sheet flooring - brown/red
AD-2-09C	Administrative Building / Second Floor	Sheet flooring - brown/red
AD-2-10A	Administrative Building / Second Floor	Mastic assoc. w/ AD-2-09A/C
AD-2-10B	Administrative Building / Second Floor	Mastic assoc. w/ AD-2-09A/C
AD-2-10C	Administrative Building / Second Floor	Mastic assoc. w/ AD-2-09A/C
AD-3-01A	Administrative Building / Third Floor	Linoleum - closet
AD-3-01B	Administrative Building / Third Floor	Linoleum - closet
AD-3-01C	Administrative Building / Third Floor	Linoleum - closet
AD-3-02A	Administrative Building / Third Floor	1'x2' ceiling tile - solid
AD-3-02B	Administrative Building / Third Floor	1'x2' ceiling tile - solid
AD-3-02C	Administrative Building / Third Floor	1'x2' ceiling tile - solid
AD-3-03A	Administrative Building / Third Floor	12"x12" vinyl floor tile - Tan
AD-3-03B	Administrative Building / Third Floor	12"x12" vinyl floor tile - Tan
AD-3-03C	Administrative Building / Third Floor	12"x12" vinyl floor tile - Tan
AD-3-04A	Administrative Building / Third Floor	Mastic assoc. w/ AD-3-03A/C
AD-3-04B	Administrative Building / Third Floor	Mastic assoc. w/ AD-3-03A/C
AD-3-04C	Administrative Building / Third Floor	Mastic assoc. w/ AD-3-03A/C
AD-3-05A	Administrative Building / Third Floor	Ceramic wall tile grout
AD-3-05B	Administrative Building / Third Floor	Ceramic wall tile grout
AD-3-05C	Administrative Building / Third Floor	Ceramic wall tile grout
AD-3-05A	Administrative Building / Third Floor	Ceramic floor tile grout
AD-3-06B	Administrative Building / Third Floor	Ceramic floor tile grout
AD-3-06C	Administrative Building / Third Floor	Ceramic floor tile grout
AD-3-07A	Administrative Building / Third Floor	Ceramic wall tile grout
AD-3-07B	Administrative Building / Third Floor	Ceramic wall tile grout
AD-3-07C	Administrative Building / Third Floor	Ceramic wall tile grout
AD-3-08A	Administrative Building / Third Floor	Ceramic floor tile grout
AD-3-08B	Administrative Building / Third Floor	Ceramic floor tile grout
AD-3-08C	Administrative Building / Third Floor	Ceramic floor tile grout
AD-3-09A	Administrative Building / Fourth Floor	Linoleum - kitchen
AD-3-09B	Administrative Building / Fourth Floor	Linoleum - kitchen
AD-3-09C	Administrative Building / Fourth Floor	Linoleum - kitchen
AD-3-10A	Administrative Building / Fourth Floor	Mastic assoc w/ AD-3-09A/C
AD-3-10B	Administrative Building / Fourth Floor	Mastic assoc w/ AD-3-09A/C
AD-3-10C	Administrative Building / Fourth Floor	Mastic assoc w/ AD-3-09A/C
AD-3-11A	Administrative Building / Fourth Floor	Hearth grout
AD-3-11B	Administrative Building / Fourth Floor	Hearth grout
AD-3-11C	Administrative Building / Fourth Floor	Hearth grout
AD-3-12A	Administrative Building / Fourth Floor	Vinyl stair tread - brown

OPTIMUM
Analytical and Consulting, LLC

85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.
ADDRESS:	400 Commercial Street
CITY / STATE / ZIP:	Portland ME 04101
CONTACT:	Erik Phenix
DESCRIPTION:	PLM Analysis
LOCATION:	AMHI Facility - Administrative Bldg., Augusta, ME

ORDER #:	2141251 v2
PROJECT #:	211.06085
DATE COLLECTED:	
COLLECTED BY:	Client
DATE RECEIVED:	12/23/2021
ANALYSIS DATE:	01/04/2022
REPORT DATE:	01/06/2022
ANALYST:	Jamie Noel

2141251

AD-3-12B	Administrative Building / Fourth Floor	Vinyl stair tread - brown
AD-3-12C	Administrative Building / Fourth Floor	Vinyl stair tread - brown
AD-3-13A	Administrative Building / Fourth Floor	Mastic assoc. w/ AD-3-12A/C
AD-3-13B	Administrative Building / Fourth Floor	Mastic assoc. w/ AD-3-12A/C
AD-3-13C	Administrative Building / Fourth Floor	Mastic assoc. w/ AD-3-12A/C
AD-4-01A	Administrative Building / Fourth Floor	9"x9" vinyl floor tile - tan
AD-4-01B	Administrative Building / Fourth Floor	9"x9" vinyl floor tile - tan
AD-4-01C	Administrative Building / Fourth Floor	9"x9" vinyl floor tile - tan
AD-4-02A	Administrative Building / Fourth Floor	Mastic assoc. w/ AD-4-01A/C
AD-4-02B	Administrative Building / Fourth Floor	Mastic assoc. w/ AD-4-01A/C
AD-4-02C	Administrative Building / Fourth Floor	Mastic assoc. w/ AD-4-01A/C
AD-4-03A	Administrative Building / Fourth Floor	2'x2' ceiling tile - random dot
AD-4-03B	Administrative Building / Fourth Floor	2'x2' ceiling tile - random dot
AD-4-03C	Administrative Building / Fourth Floor	2'x2' ceiling tile - random dot
AD-4-04A	Administrative Building / Fourth Floor	12"x12" vinyl floor tile - gray
AD-4-04B	Administrative Building / Fourth Floor	12"x12" vinyl floor tile - gray
AD-4-04C	Administrative Building / Fourth Floor	12"x12" vinyl floor tile - gray
AD-4-05A	Administrative Building / Fourth Floor	Mastic assoc. w/ AD-4-04A/C
AD-4-05B	Administrative Building / Fourth Floor	Mastic assoc. w/ AD-4-04A/C
AD-4-05C	Administrative Building / Fourth Floor	Mastic assoc. w/ AD-4-04A/C
AD-5-01A	Administrative Building / Fifth Floor	1'x1' ceiling tile
AD-5-01B	Administrative Building / Fifth Floor	1'x1' ceiling tile
AD-5-01C	Administrative Building / Fifth Floor	1'x1' ceiling tile
AD-5-02A	Administrative Building / Fifth Floor	Drywall
AD-5-02B	Administrative Building / Fifth Floor	Drywall
AD-5-02C	Administrative Building / Fifth Floor	Drywall
AD-5-03A	Administrative Building / Fifth Floor	12"x12" vinyl floor tile - tan
AD-5-03B	Administrative Building / Fifth Floor	12"x12" vinyl floor tile - tan
AD-5-03C	Administrative Building / Fifth Floor	12"x12" vinyl floor tile - tan
AD-5-04A	Administrative Building / Fifth Floor	12"x12" vinyl floor tile - blue
AD-5-04B	Administrative Building / Fifth Floor	12"x12" vinyl floor tile - blue
AD-5-04C	Administrative Building / Fifth Floor	12"x12" vinyl floor tile - blue
AD-5-05A	Administrative Building / Fifth Floor	Mastic assoc. w/ AD-05A/C & AD-5-06A/C
AD-5-05B	Administrative Building / Fifth Floor	Mastic assoc. w/ AD-05A/C & AD-5-06A/C
AD-5-05C	Administrative Building / Fifth Floor	Mastic assoc. w/ AD-05A/C & AD-5-06A/C

OPTIMUM
Analytical and Consulting, LLC
85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.
ADDRESS:	400 Commercial Street
CITY / STATE / ZIP:	Portland ME 04101
CONTACT:	Erik Phenix
DESCRIPTION:	PLM Analysis
LOCATION:	AMHI Facility - Administrative Bldg., Augusta, ME

ORDER #:	2141251 v2
PROJECT #:	211.06085
DATE COLLECTED:	
COLLECTED BY:	Client
DATE RECEIVED:	12/23/2021
ANALYSIS DATE:	01/04/2022
REPORT DATE:	01/06/2022
ANALYST:	Jamie Noel

2141251

Client:	Ransom Consulting, LLC
Contact:	Bonnie A. Best
Address:	112 Corporate Drive, Portsmouth, NH 03801
Phone:	(603) 436-1490
Fax:	(603) 436-6037
Email:	bonnie.best@ransomenv.com ephenix@ransomenv.com
Project:	AMHI Facility - ADMINISTRATIVE BUILDING
Ransom Project #	211.06085
	Augusta, Maine
Client Notes:	**Positive Stop Requested** *Please analyze prepare NOB samples via gravimetric reduction, per MEDEP requirements*
P.O. #:	13492
Date Submitted:	12/22/2021 0:00
Analysis:	Bulk PLM
TurnAroundTime:	**Standard TAT**

Instructions:
Use Column "B" for your contact info

To See an Example Click the bottom Example Tab.

Enter samples between "<<" and ">>"

Begin Samples with a "<< "above the first sample

and end with a ">>" below the last sample.
Only Enter your data on the first sheet "Sheet1"

Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included in the electronic data returned to you to facilitate your reintegration of the report data.

Sample Number	Building/Area	Sample Description
<<		
AD-1-01A	Administrative Building / First Floor	9"x9" vinyl floor tile - blue mottled
AD-1-01B	Administrative Building / First Floor	9"x9" vinyl floor tile - blue mottled
AD-1-01C	Administrative Building / First Floor	9"x9" vinyl floor tile - blue mottled
AD-1-02A	Administrative Building / First Floor	Mastic assoc. w/ AD-1-01A-C
AD-1-02B	Administrative Building / First Floor	Mastic assoc. w/ AD-1-01A-C
AD-1-02C	Administrative Building / First Floor	Mastic assoc. w/ AD-1-01A-C
AD-1-03A	Administrative Building / First Floor	9"x9" vinyl floor tile - brown w/ black mottles
AD-1-03B	Administrative Building / First Floor	9"x9" vinyl floor tile - brown w/ black mottles
AD-1-03C	Administrative Building / First Floor	9"x9" vinyl floor tile - brown w/ black mottles
AD-1-04A	Administrative Building / First Floor	Mastic assoc. w/ AD-1-03A-C
AD-1-04B	Administrative Building / First Floor	Mastic assoc. w/ AD-1-03A-C
AD-1-04C	Administrative Building / First Floor	Mastic assoc. w/ AD-1-03A-C
AD-1-05A	Administrative Building / First Floor	1'x1' ceiling tile
AD-1-05B	Administrative Building / First Floor	1'x1' ceiling tile
AD-1-05C	Administrative Building / First Floor	1'x1' ceiling tile
AD-1-06A	Administrative Building / First Floor	12"x12" vinyl floor tile - green
AD-1-06B	Administrative Building / First Floor	12"x12" vinyl floor tile - green
AD-1-06C	Administrative Building / First Floor	12"x12" vinyl floor tile - green
AD-1-07A	Administrative Building / First Floor	Mastic assoc. w/ AD-1-06A/C
AD-1-07B	Administrative Building / First Floor	Mastic assoc. w/ AD-1-06A/C
AD-1-07C	Administrative Building / First Floor	Mastic assoc. w/ AD-1-06A/C
AD-1-08A	Administrative Building / First Floor	Sheet flooring - green
AD-1-08B	Administrative Building / First Floor	Sheet flooring - green
AD-1-08C	Administrative Building / First Floor	Sheet flooring - green
AD-1-09A	Administrative Building / First Floor	Mastic assoc. w/ AD-1-08A/C
AD-1-09B	Administrative Building / First Floor	Mastic assoc. w/ AD-1-08A/C
AD-1-09C	Administrative Building / First Floor	Mastic assoc. w/ AD-1-08A/C
AD-1-10A	Administrative Building / First Floor	Drywall
AD-1-10B	Administrative Building / First Floor	Drywall
AD-1-10C	Administrative Building / First Floor	Drywall
AD-1-11A	Administrative Building / First Floor	Joint compound assoc. w/ AD-1-10A/C
AD-1-11B	Administrative Building / First Floor	Joint compound assoc. w/ AD-1-10A/C
AD-1-11C	Administrative Building / First Floor	Joint compound assoc. w/ AD-1-10A/C
AD-1-12A	Administrative Building / First Floor	Carpet mastic
AD-1-12B	Administrative Building / First Floor	Carpet mastic
AD-1-12C	Administrative Building / First Floor	Carpet mastic
AD-2-01A	Administrative Building / Second Floor	9"x9" vinyl floor tile - mottled tan
AD-2-01B	Administrative Building / Second Floor	9"x9" vinyl floor tile - mottled tan
AD-2-01C	Administrative Building / Second Floor	9"x9" vinyl floor tile - mottled tan

OPTIMUM
Analytical and Consulting, LLC
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BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.
ADDRESS:	400 Commercial Street
CITY / STATE / ZIP:	Portland ME 04101
CONTACT:	Erik Phenix
DESCRIPTION:	PLM Analysis
LOCATION:	AMHI Facility - Administrative Bldg., Augusta, ME

ORDER #:	2141251 v2
PROJECT #:	211.06085
DATE COLLECTED:	
COLLECTED BY:	Client
DATE RECEIVED:	12/23/2021
ANALYSIS DATE:	01/04/2022
REPORT DATE:	01/06/2022
ANALYST:	Jamie Noel

2141251

AD-2-02A	Administrative Building / Second Floor	Mastic assoc. w/ AD-2-01A/C
AD-2-02B	Administrative Building / Second Floor	Mastic assoc. w/ AD-2-01A/C
AD-2-02C	Administrative Building / Second Floor	Mastic assoc. w/ AD-2-01A/C
AD-2-03A	Administrative Building / Second Floor	9"x9" vinyl floor tile - mottled gray
AD-2-03B	Administrative Building / Second Floor	9"x9" vinyl floor tile - mottled gray
AD-2-03C	Administrative Building / Second Floor	9"x9" vinyl floor tile - mottled gray
AD-2-04A	Administrative Building / Second Floor	Mastic assoc. w/ AD-2-03A/C
AD-2-04B	Administrative Building / Second Floor	Mastic assoc. w/ AD-2-03A/C
AD-2-04C	Administrative Building / Second Floor	Mastic assoc. w/ AD-2-03A/C
AD-2-05A	Administrative Building / Second Floor	9"x9" vinyl floor tile - black
AD-2-05B	Administrative Building / Second Floor	9"x9" vinyl floor tile - black
AD-2-05C	Administrative Building / Second Floor	9"x9" vinyl floor tile - black
AD-2-06A	Administrative Building / Second Floor	Mastic assoc. w/ AD-2-05A/C
AD-2-06B	Administrative Building / Second Floor	Mastic assoc. w/ AD-2-05A/C
AD-2-06C	Administrative Building / Second Floor	Mastic assoc. w/ AD-2-05A/C
AD-2-07A	Administrative Building / Second Floor	Ceramic floor tile grout
AD-2-07B	Administrative Building / Second Floor	Ceramic floor tile grout
AD-2-07C	Administrative Building / Second Floor	Ceramic floor tile grout
AD-2-08A	Administrative Building / Second Floor	Vibration gasket
AD-2-08B	Administrative Building / Second Floor	Vibration gasket
AD-2-08C	Administrative Building / Second Floor	Vibration gasket
AD-2-09A	Administrative Building / Second Floor	Sheet flooring - brown/red
AD-2-09B	Administrative Building / Second Floor	Sheet flooring - brown/red
AD-2-09C	Administrative Building / Second Floor	Sheet flooring - brown/red
AD-2-10A	Administrative Building / Second Floor	Mastic assoc. w/ AD-2-09A/C
AD-2-10B	Administrative Building / Second Floor	Mastic assoc. w/ AD-2-09A/C
AD-2-10C	Administrative Building / Second Floor	Mastic assoc. w/ AD-2-09A/C
AD-3-01A	Administrative Building / Third Floor	Linoleum - closet
AD-3-01B	Administrative Building / Third Floor	Linoleum - closet
AD-3-01C	Administrative Building / Third Floor	Linoleum - closet
AD-3-02A	Administrative Building / Third Floor	1'x2' ceiling tile - solid
AD-3-02B	Administrative Building / Third Floor	1'x2' ceiling tile - solid
AD-3-02C	Administrative Building / Third Floor	1'x2' ceiling tile - solid
AD-3-03A	Administrative Building / Third Floor	12"x12" vinyl floor tile - Tan
AD-3-03B	Administrative Building / Third Floor	12"x12" vinyl floor tile - Tan
AD-3-03C	Administrative Building / Third Floor	12"x12" vinyl floor tile - Tan
AD-3-04A	Administrative Building / Third Floor	Mastic assoc. w/ AD-3-03A/C
AD-3-04B	Administrative Building / Third Floor	Mastic assoc. w/ AD-3-03A/C
AD-3-04C	Administrative Building / Third Floor	Mastic assoc. w/ AD-3-03A/C
AD-3-05A	Administrative Building / Third Floor	Ceramic wall tile grout
AD-3-05B	Administrative Building / Third Floor	Ceramic wall tile grout
AD-3-05C	Administrative Building / Third Floor	Ceramic wall tile grout
AD-3-06A	Administrative Building / Third Floor	Ceramic floor tile grout
AD-3-06B	Administrative Building / Third Floor	Ceramic floor tile grout
AD-3-06C	Administrative Building / Third Floor	Ceramic floor tile grout
AD-3-07A	Administrative Building / Third Floor	Ceramic wall tile grout
AD-3-07B	Administrative Building / Third Floor	Ceramic wall tile grout
AD-3-07C	Administrative Building / Third Floor	Ceramic wall tile grout
AD-3-08A	Administrative Building / Third Floor	Ceramic floor tile grout
AD-3-08B	Administrative Building / Third Floor	Ceramic floor tile grout
AD-3-08C	Administrative Building / Third Floor	Ceramic floor tile grout
AD-3-09A	Administrative Building / Fourth Floor	Linoleum - kitchen
AD-3-09B	Administrative Building / Fourth Floor	Linoleum - kitchen
AD-3-09C	Administrative Building / Fourth Floor	Linoleum - kitchen
AD-3-10A	Administrative Building / Fourth Floor	Mastic assoc w/ AD-3-09A/C
AD-3-10B	Administrative Building / Fourth Floor	Mastic assoc w/ AD-3-09A/C
AD-3-10C	Administrative Building / Fourth Floor	Mastic assoc w/ AD-3-09A/C
AD-3-11A	Administrative Building / Fourth Floor	Hearth grout
AD-3-11B	Administrative Building / Fourth Floor	Hearth grout
AD-3-11C	Administrative Building / Fourth Floor	Hearth grout
AD-3-12A	Administrative Building / Fourth Floor	Vinyl stair tread - brown

OPTIMUM
Analytical and Consulting, LLC
85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.
ADDRESS:	400 Commercial Street
CITY / STATE / ZIP:	Portland ME 04101
CONTACT:	Erik Phenix
DESCRIPTION:	PLM Analysis
LOCATION:	AMHI Facility - Administrative Bldg., Augusta, ME

ORDER #:	2141251 v2
PROJECT #:	211.06085
DATE COLLECTED:	
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ANALYSIS DATE:	01/04/2022
REPORT DATE:	01/06/2022
ANALYST:	Jamie Noel

2141251

AD-3-12B	Administrative Building / Fourth Floor	Vinyl stair tread - brown
AD-3-12C	Administrative Building / Fourth Floor	Vinyl stair tread - brown
AD-3-13A	Administrative Building / Fourth Floor	Mastic assoc. w/ AD-3-12A/C
AD-3-13B	Administrative Building / Fourth Floor	Mastic assoc. w/ AD-3-12A/C
AD-3-13C	Administrative Building / Fourth Floor	Mastic assoc. w/ AD-3-12A/C
AD-4-01A	Administrative Building / Fourth Floor	9"x9" vinyl floor tile - tan
AD-4-01B	Administrative Building / Fourth Floor	9"x9" vinyl floor tile - tan
AD-4-01C	Administrative Building / Fourth Floor	9"x9" vinyl floor tile - tan
AD-4-02A	Administrative Building / Fourth Floor	Mastic assoc. w/ AD-4-01A/C
AD-4-02B	Administrative Building / Fourth Floor	Mastic assoc. w/ AD-4-01A/C
AD-4-02C	Administrative Building / Fourth Floor	Mastic assoc. w/ AD-4-01A/C
AD-4-03A	Administrative Building / Fourth Floor	2'x2' ceiling tile - random dot
AD-4-03B	Administrative Building / Fourth Floor	2'x2' ceiling tile - random dot
AD-4-03C	Administrative Building / Fourth Floor	2'x2' ceiling tile - random dot
AD-4-04A	Administrative Building / Fourth Floor	12"x12" vinyl floor tile - gray
AD-4-04B	Administrative Building / Fourth Floor	12"x12" vinyl floor tile - gray
AD-4-04C	Administrative Building / Fourth Floor	12"x12" vinyl floor tile - gray
AD-4-05A	Administrative Building / Fourth Floor	Mastic assoc. w/ AD-4-04A/C
AD-4-05B	Administrative Building / Fourth Floor	Mastic assoc. w/ AD-4-04A/C
AD-4-05C	Administrative Building / Fourth Floor	Mastic assoc. w/ AD-4-04A/C
AD-5-01A	Administrative Building / Fifth Floor	1'x1' ceiling tile
AD-5-01B	Administrative Building / Fifth Floor	1'x1' ceiling tile
AD-5-01C	Administrative Building / Fifth Floor	1'x1' ceiling tile
AD-5-02A	Administrative Building / Fifth Floor	Drywall
AD-5-02B	Administrative Building / Fifth Floor	Drywall
AD-5-02C	Administrative Building / Fifth Floor	Drywall
AD-5-03A	Administrative Building / Fifth Floor	12"x12" vinyl floor tile - tan
AD-5-03B	Administrative Building / Fifth Floor	12"x12" vinyl floor tile - tan
AD-5-03C	Administrative Building / Fifth Floor	12"x12" vinyl floor tile - tan
AD-5-04A	Administrative Building / Fifth Floor	12"x12" vinyl floor tile - blue
AD-5-04B	Administrative Building / Fifth Floor	12"x12" vinyl floor tile - blue
AD-5-04C	Administrative Building / Fifth Floor	12"x12" vinyl floor tile - blue
AD-5-05A	Administrative Building / Fifth Floor	Mastic assoc. w/ AD-05A/C & AD-5-06A/C
AD-5-05B	Administrative Building / Fifth Floor	Mastic assoc. w/ AD-05A/C & AD-5-06A/C
AD-5-05C	Administrative Building / Fifth Floor	Mastic assoc. w/ AD-05A/C & AD-5-06A/C

12/22/21/15:30

12/23/21 @ 2:45

OPTIMUM
Analytical and Consulting, LLC

85 Stiles Road, Suite 201
Salem, NH 03079
603-458-5247

Erik Phenix
Ransom Environmental Consultants, Inc.
400 Commercial Street
Portland ME 04101

Project Reference:	211.06085
Laboratory Batch #:	2141249
Date Samples Received:	12/23/2021
Date Samples Analyzed:	12/29/2021
Date of Final Report:	12/29/2021

SAMPLE IDENTIFICATION:

Twelve (12) samples from AMHI Facility - Basement & Attic, Augusta, ME project were submitted by Client on 12/23/2021

This bulk sample(s) was delivered to Optimum Analytical Consulting, LLC (Optimum) located in Salem, New Hampshire for asbestos content determination.

ANALYTICAL METHOD:

Analytical procedures were performed in accordance with the U.S. Environmental Protection Agency (EPA) Recommended Method for the Determination of Asbestos in Bulk Samples by Polarized Light Microscopy and Dispersion Staining (PLM/DS)(EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials). This report relates only to those samples analyzed, and may not be indicative of other similar appearing materials existing at this, or other sites. Quantification of asbestos content was determined by Calibrated Visual Estimation. Optimum is not responsible for sample collection activities or analytical method limitations. The laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

In any given material, fibers with a small diameter (<0.25µm) may not be detected by the PLM method. Floor tile and other resinous bound materials may yield a false negative if the asbestos fibers are too small to be resolved using PLM. Additionally, there is currently no approved EPA analytical method to reliably confirm vermiculite as non-asbestos containing. Additional analytical methods may be required. Optimum Analytical recommends using Transmission Electron Microscopy (TEM) or other approved methods for a more definitive analysis.

Optimum will retain all samples for a minimum of three months. Further analysis or return of samples must be requested within this three month period to guarantee their availability. This report may not be reproduced except in full, without the written approval of Optimum Analytical and Consulting, LLC.

The client/laboratory shall not use the NVLAP and AIHA Logo or this test report in a way that constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology or the American Industrial Hygiene Association.

Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Point Count = .25%, 1000 Point Count = 0.1%; Present or Absent are observations made during a qualitative analysis.

This report is considered preliminary until signed by both the Laboratory Analyst and Laboratory Director or Supervisor. If you have any questions regarding this report, please do not hesitate to contact us.

Jamie L. Noel
Laboratory Director

Kristina Scaviola
Laboratory Supervisor

NVLAP Lab ID#: 101433-0

OPTIMUM
Analytical and Consulting, LLC
85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.	**ORDER #:**	2141249
ADDRESS:	400 Commercial Street	**PROJECT #:**	211.06085
CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - Basement & Attic, Augusta, ME	**ANALYSIS DATE:**	12/29/2021
		REPORT DATE:	12/29/2021
		ANALYST:	Jamie Noel

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141249-001	Basement Area					
B-01A	TSI - Boiler Jacket (South Wing), Gray	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Mineral Wool Binder/Filler	15% 25% 20% 40%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141249-002	Basement Area					
B-01B	TSI - Boiler Jacket (South Wing), Gray	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Mineral Wool Binder/Filler	15% 25% 20% 40%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141249-003	Basement Area					
B-01C	TSI - Boiler Jacket (South Wing), Gray	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Mineral Wool Binder/Filler	15% 25% 20% 40%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141249-004	Basement Area					
B-02A	TSI - Pipe Wrap, Gray	LAYER 1 100%	Amosite	55%	Cellulose Fiber Binder/Filler	5% 40%
		Total % Asbestos:		55.0%	**Total % Non-Asbestos:**	45.0%
2141249-005	Basement Area					
B-02B	TSI - Pipe Wrap, Gray Note: Positive Stop	LAYER 1 100%				
2141249-006	Basement Area					
B-02C	TSI - Pipe Wrap, Gray Note: Positive Stop	LAYER 1 100%				
2141249-007	Basement Area					
B-03A	TSI - Mudded Fittings, Gray	LAYER 1 100%	Chrysotile	35%	Cellulose Fiber Binder/Filler	10% 55%
		Total % Asbestos:		35.0%	**Total % Non-Asbestos:**	65.0%
2141249-008	Basement Area					
B-03B	TSI - Mudded Fittings, Gray Note: Positive Stop	LAYER 1 100%				

OPTIMUM
Analytical and Consulting, LLC
85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

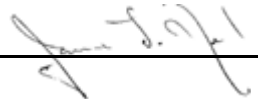
BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.	**ORDER #:**	2141249
ADDRESS:	400 Commercial Street	**PROJECT #:**	211.06085
CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - Basement & Attic, Augusta, ME	**ANALYSIS DATE:**	12/29/2021
		REPORT DATE:	12/29/2021
		ANALYST:	Jamie Noel

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141249-009 B-03C	Basement Area TSI - Mudded Fittings, Gray Note: Positive Stop	LAYER 1 100%				
2141249-010 A-01A	Attic Insulation (blown in), White	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Binder/Filler	1% 97% 2%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141249-011 A-01B	Attic Insulation (blown in), White	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Binder/Filler	1% 97% 2%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141249-012 A-01C	Attic Insulation (blown in), White	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Binder/Filler	1% 97% 2%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%

Analyst Signatory: 

Jamie Noel

NVLAP TESTING
NVLAP Lab Code: 101433-0

OPTIMUM
Analytical and Consulting, LLC
85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.
ADDRESS:	400 Commercial Street
CITY / STATE / ZIP:	Portland ME 04101
CONTACT:	Erik Phenix
DESCRIPTION:	PLM Analysis
LOCATION:	AMHI Facility - Basement & Attic, Augusta, ME

ORDER #:	2141249
PROJECT #:	211.06085
DATE COLLECTED:	
COLLECTED BY:	Client
DATE RECEIVED:	12/23/2021
ANALYSIS DATE:	12/29/2021
REPORT DATE:	12/29/2021
ANALYST:	Jamie Noel

2141249

Client:	Ransom Consulting, LLC	***Instructions:**
Contact:	Bonnie A. Best	*Use Column "B" for your contact info*
Address:	112 CorporAe Drive, Portsmouth, NH 03801	
Phone:	(603) 436-1490	*To See an Example Click the bottom Example Tab.*
Fax:	(603) 436-6037	
Email:	bonnie.best@ransomenv.com ephenix@ransomenv.com	***Enter samples between "<<" and ">>"***
Project:	AMHI Facility - BASEMENT & ATTIC	***Begin Samples with a "<< "above the first sample***
Ransom Project #	211.06085	
	Augusta, Maine	***and end with a ">>" below the last sample.***
Client Notes:	**Positive Stop Requested** *Please analyze prepare NOB samples via gravimetric reduction, per MEDEP requirements*	*Only Enter your dAa on the first sheet "Sheet1"*
P.O. #.	13492	*Note: DAa 1 and DAa 2 are optional fields thA do not show up on the official report, however they will be included in the electronic dAa returned to you to facilitAe your reintegrAion of the report dAa.*
DAe Submitted:	12/22/2021 0:00	
Analysis:	Bulk PLM	
TurnAroundTime:	**Standard TA**	

Sample Number	Building/Area	Sample Description
<<		
B-01A	Basement Area	TSI - Boiler jacket (south wing)
B-01B	Basement Area	TSI - Boiler jacket (south wing)
B-01C	Basement Area	TSI - Boiler jacket (south wing)
B-02A	Basement Area	TSI - Pipe wrap
B-02B	Basement Area	TSI - Pipe wrap
B-02C	Basement Area	TSI - Pipe wrap
B-03A	Basement Area	TSI - Mudded fittings
B-03B	Basement Area	TSI - Mudded fittings
B-03C	Basement Area	TSI - Mudded fittings
A-01A	Attic	White insullation (blown in)
A-01B	Attic	White insullation (blown in)
A-01C	Attic	White insullation (blown in)

12-22-21/15:30

12/23/21 @ 14:45

OPTIMUM
Analytical and Consulting, LLC

85 Stiles Road, Suite 201
Salem, NH 03079
603-458-5247

Bonnie A. Best
Ransom Environmental Consultants, Inc
112 Corporate Drive
Portsmouth NH 03801

Project Reference:	211-06085
Laboratory Batch #:	2241313
Date Samples Received:	01/05/2022
Date Samples Analyzed:	01/07/2022
Date of Final Report:	01/07/2022

SAMPLE IDENTIFICATION:

Six (6) samples from AMHI Facility - Exterior; Augusta, ME project were submitted by Client on 01/05/2022

This bulk sample(s) was delivered to Optimum Analytical Consulting, LLC (Optimum) located in Salem, New Hampshire for asbestos content determination.

ANALYTICAL METHOD:

Analytical procedures were performed in accordance with the U.S. Environmental Protection Agency (EPA) Recommended Method for the Determination of Asbestos in Bulk Samples by Polarized Light Microscopy and Dispersion Staining (PLM/DS)(EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials). This report relates only to those samples analyzed, and may not be indicative of other similar appearing materials existing at this, or other sites. Quantification of asbestos content was determined by Calibrated Visual Estimation. Optimum is not responsible for sample collection activities or analytical method limitations. The laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

In any given material, fibers with a small diameter (<0.25µm) may not be detected by the PLM method. Floor tile and other resinous bound materials may yield a false negative if the asbestos fibers are too small to be resolved using PLM. Additionally, there is currently no approved EPA analytical method to reliably confirm vermiculite as non-asbestos containing. Additional analytical methods may be required. Optimum Analytical recommends using Transmission Electron Microscopy (TEM) or other approved methods for a more definitive analysis.

Optimum will retain all samples for a minimum of three months. Further analysis or return of samples must be requested within this three month period to guarantee their availability. This report may not be reproduced except in full, without the written approval of Optimum Analytical and Consulting, LLC.

The client/laboratory shall not use the NVLAP and AIHA Logo or this test report in a way that constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology or the American Industrial Hygiene Association.

Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Point Count = .25%, 1000 Point Count = 0.1%; Present or Absent are observations made during a qualitative analysis.

This report is considered preliminary until signed by both the Laboratory Analyst and Laboratory Director or Supervisor. If you have any questions regarding this report, please do not hesitate to contact us.

Jamie L. Noel
Laboratory Director

Kristina Scaviola
Laboratory Supervisor

NVLAP Lab Code: 101433-0

OPTIMUM
Analytical and Consulting, LLC
85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc
ADDRESS:	112 Corporate Drive
CITY / STATE / ZIP:	Portsmouth NH 03801
CONTACT:	Bonnie A. Best
DESCRIPTION:	PLM Analysis
LOCATION:	AMHI Facility - Exterior; Augusta, ME

ORDER #:	2241313
PROJECT #:	211-06085
DATE COLLECTED:	01/04/2022
COLLECTED BY:	Client
DATE RECEIVED:	01/05/2022
ANALYSIS DATE:	01/07/2022
REPORT DATE:	01/07/2022
ANALYST:	Jamie Noel

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2241313-001 EX-01A	Exterior Window Glazing, White	LAYER 1 100%	Chrysotile	Trace	Cellulose Fiber Wollastonite Binder/Filler	1% 3% >95%
2241313-002 EX-01B	Exterior Window Glazing, White	LAYER 1 100%	Chrysotile	Trace	Cellulose Fiber Wollastonite Binder/Filler	1% 3% >95%
2241313-003 EX-01C	Exterior Window Glazing, White	LAYER 1 100%	Chrysotile	2.14%	Cellulose Fiber Wollastonite Binder/Filler	1% 3% 93.86%
2241313-004 EX-02A	Exterior Caulking, Gray Note: Asbestos unevenly distributed in sample; large fiber bundles present not captured in gravimetric reduction. Result reported via PLM.	LAYER 1 100%	Chrysotile	2%	Cellulose Fiber Non-Fibrous Material	1% 97%
2241313-005 EX-02B	Exterior Caulking, Gray Note: Positive Stop	LAYER 1 100%				
2241313-006 EX-02C	Exterior Caulking, Gray Note: Positive Stop	LAYER 1 100%				

Analyst Signatory: _____
Jamie Noel

NVLAP TESTING
NVLAP Lab Code: 101433-0

OPTIMUM
Analytical and Consulting, LLC

85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc
ADDRESS:	112 Corporate Drive
CITY / STATE / ZIP:	Portsmouth NH 03801
CONTACT:	Bonnie A. Best
DESCRIPTION:	PLM Analysis
LOCATION:	AMHI Facility - Exterior; Augusta, ME

ORDER #:	2241313
PROJECT #:	211-06085
DATE COLLECTED:	01/04/2022
COLLECTED BY:	Client
DATE RECEIVED:	01/05/2022
ANALYSIS DATE:	01/07/2022
REPORT DATE:	01/07/2022
ANALYST:	Jamie Noel

2241313

Client:	Ransom Consulting, LLC
Contact:	Bonnie A. Best
Address:	112 CorporAe Drive, Portsmouth, NH 03801
Phone:	(603) 436-1490
Fax:	(603) 436-6037
Email:	bonnie.best@ransomenv.com ephenix@ransomenv.com
Project:	AMHI Facility - EXTERIOR
Ransom Project #	211.06085
	Augusta, Maine
Client Notes:	**Positive Stop Requested** *Please analyze prepare NOB samples via gravimetric reduction, per MEDEP requirements*
P.O. #.	13492
DAe Submitted:	1/4/2022 0:00
Analysis:	Bulk PLM
TurnAroundTime:	**24-HOUR TAT Requested**

Instructions:
Use Column "B" for your contact info

To See an Example Click the bottom Example Tab.

Enter samples between "<<" and ">>"

Begin Samples with a "<< "above the first sample

and end with a ">>" below the last sample.
Only Enter your dAa on the first sheet "Sheet1"

Note: DAa 1 and DAa 2 are optional fields thA do not show up on the official report, however they will be included in the electronic dAa returned to you to facilitAe your reintegrAion of the report dAa.

Sample Number	Building/Area	Sample Description
<<		
EX-01A	Exterior	Window glaze
EX-01B	Exterior	Window glaze
EX-01C	Exterior	Window glaze
EX-02A	Exterior	Caulking
EX-02B	Exterior	Caulking
EX-02C	Exterior	Caulking

Rec. 1/5/22 3:00p

OPTIMUM
Analytical and Consulting, LLC

85 Stiles Road, Suite 201
Salem, NH 03079
603-458-5247

Erik Phenix
Ransom Environmental Consultants, Inc.
400 Commercial Street
Portland ME 04101

Project Reference:	211.06085
Laboratory Batch #:	2141252; Issue 2
Date Samples Received:	12/23/2021
Date Samples Analyzed:	01/04/2022
Date of Final Report:	01/14/2022

SAMPLE IDENTIFICATION:

One Hundred Sixty Two (162) samples from AMHI Facility - North Wing, Augusta, ME project were submitted by Client on 12/23/2021

This bulk sample(s) was delivered to Optimum Analytical Consulting, LLC (Optimum) located in Salem, New Hampshire for asbestos content determination.

ANALYTICAL METHOD:

Analytical procedures were performed in accordance with the U.S. Environmental Protection Agency (EPA) Recommended Method for the Determination of Asbestos in Bulk Samples by Polarized Light Microscopy and Dispersion Staining (PLM/DS)(EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials). This report relates only to those samples analyzed, and may not be indicative of other similar appearing materials existing at this, or other sites. Quantification of asbestos content was determined by Calibrated Visual Estimation. Optimum is not responsible for sample collection activities or analytical method limitations. The laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

In any given material, fibers with a small diameter (<0.25µm) may not be detected by the PLM method. Floor tile and other resinous bound materials may yield a false negative if the asbestos fibers are too small to be resolved using PLM. Additionally, there is currently no approved EPA analytical method to reliably confirm vermiculite as non-asbestos containing. Additional analytical methods may be required. Optimum Analytical recommends using Transmission Electron Microscopy (TEM) or other approved methods for a more definitive analysis.

Optimum will retain all samples for a minimum of three months. Further analysis or return of samples must be requested within this three month period to guarantee their availability. This report may not be reproduced except in full, without the written approval of Optimum Analytical and Consulting, LLC.

The client/laboratory shall not use the NVLAP and AIHA Logo or this test report in a way that constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology or the American Industrial Hygiene Association.

Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Point Count = .25%, 1000 Point Count = 0.1%; Present or Absent are observations made during a qualitative analysis.

This report is considered preliminary until signed by both the Laboratory Analyst and Laboratory Director or Supervisor. If you have any questions regarding this report, please do not hesitate to contact us.

Jamie L. Noel
Laboratory Director

Kristina Scaviola
Laboratory Supervisor

NVLAP Lab Code: 101433-0

OPTIMUM
Analytical and Consulting, LLC
85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT: Ransom Environmental Consultants, Inc.
ADDRESS: 400 Commercial Street
CITY / STATE / ZIP: Portland ME 04101
CONTACT: Erik Phenix
DESCRIPTION: PLM Analysis
LOCATION: AMHI Facility - North Wing, Augusta, ME

ORDER #: 2141252; Issue 2
PROJECT #: 211.06085
DATE COLLECTED:
COLLECTED BY: Client
DATE RECEIVED: 12/23/2021
ANALYSIS DATE: 01/04/2022
REPORT DATE: 01/14/2022
ANALYST: Kristina Scaviola

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141252-001 NO-1-01A	North Wing / First Floor / Section I LAYER 1 9"x9" Floor Tile - tile "S", Off White	LAYER 1 100%	Chrysotile	1.86%	Cellulose Fiber Non-Fibrous Material	1% 97.14%
	LAYER 2 Mastic, Black Note: Analysis via PLM only.	LAYER 2 100%	Chrysotile	3%	Cellulose Fiber Binder/Filler	1% 96%
2141252-002 NO-1-01B	North Wing / First Floor / Section I LAYER 1 9"x9" Floor Tile - tile "S", Off White Note: Positive Stop	LAYER 1 100%				
	LAYER 2 Mastic, Black Note: Positive Stop	LAYER 2 100%				
2141252-003 NO-1-01C	North Wing / First Floor / Section I LAYER 1 9"x9" Floor Tile - tile "S", Off White Note: Positive Stop	LAYER 1 100%				
	LAYER 2 Mastic, Black Note: Positive Stop	LAYER 2 100%				
2141252-004 NO-1-02A	North Wing / First Floor / Section I Linoleum - Brown Granite, Beige	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	45% 55%
2141252-005 NO-1-02B	North Wing / First Floor / Section I Linoleum - Brown Granite, Beige	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	45% 55%
2141252-006 NO-1-02C	North Wing / First Floor / Section I Linoleum - Brown Granite, Beige	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	45% 55%
2141252-007 NO-1-03A	North Wing / First Floor / Section I Linoleum - Brown Mottled, Beige	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	35% 15% 50%

OPTIMUM
Analytical and Consulting, LLC
85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.	**ORDER #:**	2141252; Issue 2
ADDRESS:	400 Commercial Street	**PROJECT #:**	211.06085
CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - North Wing, Augusta, ME	**ANALYSIS DATE:**	01/04/2022
		REPORT DATE:	01/14/2022
		ANALYST:	Kristina Scaviola

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141252-008 NO-1-03B	North Wing / First Floor / Section I Linoleum - Brown Mottled, Beige	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	35% 15% 50%
2141252-009 NO-1-03C	North Wing / First Floor / Section I Linoleum - Brown Mottled, Beige	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	35% 15% 50%
2141252-010 NO-1-04A	North Wing / First Floor / Section I 9"x9" Vinyl Floor Tile - Blue with White Mottles,	LAYER 1 100%	Chrysotile	3.82%	Cellulose Fiber Non-Fibrous Material	1% 95.18%
2141252-011 NO-1-04B	North Wing / First Floor / Section I 9"x9" Vinyl Floor Tile - Blue with White Mottles, Positive Stop	LAYER 1 100%				
2141252-012 NO-1-04C	North Wing / First Floor / Section I 9"x9" Vinyl Floor Tile - Blue with White Mottles, Positive Stop	LAYER 1 100%				
2141252-013 NO-2-1A	North Wing / Second Floor / Section II Linoleum - Beige, Beige	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	35% 15% 50%
2141252-014 NO-2-01B	North Wing / Second Floor / Section II Linoleum - Beige, Beige	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	35% 15% 50%
2141252-015 NO-2-01C	North Wing / Second Floor / Section II Linoleum - Beige, Beige	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	35% 15% 50%
2141252-016 NO-2-02A	North Wing / Second Floor / Section II Mastic assoc. w/ NO-2-01A/C, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	2% 98%

OPTIMUM
Analytical and Consulting, LLC
85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.	**ORDER #:**	2141252; Issue 2
ADDRESS:	400 Commercial Street	**PROJECT #:**	211.06085
CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - North Wing, Augusta, ME	**ANALYSIS DATE:**	01/04/2022
		REPORT DATE:	01/14/2022
		ANALYST:	Kristina Scaviola

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141252-017 NO-2-02B	North Wing / Second Floor / Section II Mastic assoc. w/ NO-2-01A/C, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	2% 98%
2141252-018 NO-2-02C	North Wing / Second Floor / Section II Mastic assoc. w/ NO-2-01A/C, Tan Note: Insufficient Mastic for Gravimetric Reduction; Analysis Via PLM only.	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	2% 98%
2141252-019 NO-2-03A	North Wing / Second Floor / Section II LAYER 1 12"x12" Vinyl Floor Tile - Red ("P" Tile), Sample On Hold	LAYER 1 100%	None Detected			
	LAYER 2 Mastic, Black	LAYER 2 100%	Chrysotile	2%	Cellulose Fiber Binder/Filler	1% 97%
2141252-020 NO-2-03B	North Wing / Second Floor / Section II 12"x12" Vinyl Floor Tile - Red ("P" Tile), Sample On Hold	LAYER 1 100%				
2141252-021 NO-2-03C	North Wing / Second Floor / Section II 12"x12" Vinyl Floor Tile - Red ("P" Tile), Sample On Hold	LAYER 1 100%				
2141252-022 NO-2-04A	North Wing / Second Floor / Section II Sink Undercoating, Pink	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	12% 88%
2141252-023 NO-2-04B	North Wing / Second Floor / Section II Sink Undercoating, Pink	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	12% 88%
2141252-024 NO-2-04C	North Wing / Second Floor / Section II Sink Undercoating, Pink	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	12% 88%
2141252-025 NO-2-05A	North Wing / Second Floor / Section II Linoleum - Gray Square Pattern, Sample On Hold	LAYER 1 100%				

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BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.	**ORDER #:**	2141252; Issue 2
ADDRESS:	400 Commercial Street	**PROJECT #:**	211.06085
CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - North Wing, Augusta, ME	**ANALYSIS DATE:**	01/04/2022
		REPORT DATE:	01/14/2022
		ANALYST:	Kristina Scaviola

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141252-026 NO-2-05B	North Wing / Second Floor / Section II Linoleum - Gray Square Pattern, Sample On Hold	LAYER 1 100%				
2141252-027 NO-2-05C	North Wing / Second Floor / Section II Linoleum - Gray Square Pattern, Sample On Hold	LAYER 1 100%				
2141252-028 NO-2-06A	North Wing / Second Floor / Section II Mastic (black) Assoc. w/ NO-2-05A/C, Black Note: Visible Asbestos Fibers Adhered to Mastic	LAYER 1 100%	Chrysotile	2.95%	Cellulose Fiber Non-Fibrous Material	1% 96.05%
2141252-029 NO-2-06B	North Wing / Second Floor / Section II Mastic (black) Assoc. w/ NO-2-05A/C, Positive Stop	LAYER 1 100%				
2141252-030 NO-2-06C	North Wing / Second Floor / Section II Mastic (black) Assoc. w/ NO-2-05A/C, Positive Stop	LAYER 1 100%				
2141252-031 NO-2-07A	North Wing / Second Floor / Section II Linoleum - Blue, Sample On Hold	LAYER 1 100%				
2141252-032 NO-2-07B	North Wing / Second Floor / Section II Linoleum - Blue, Sample On Hold	LAYER 1 100%				
2141252-033 NO-2-07C	North Wing / Second Floor / Section II Linoleum - Blue, Sample On Hold	LAYER 1 100%				
2141252-034 NO-2-08A	North Wing / Second Floor / Section II Mastic Assoc. w/NO-2-07A/C, Tan Note: Insufficient Mastic for Gravimetric Reduction; Analysis Via PLM only.	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	2% 98%

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BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.	**ORDER #:**	2141252; Issue 2
ADDRESS:	400 Commercial Street	**PROJECT #:**	211.06085
CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - North Wing, Augusta, ME	**ANALYSIS DATE:**	01/04/2022
		REPORT DATE:	01/14/2022
		ANALYST:	Kristina Scaviola

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141252-035 NO-2-08B	North Wing / Second Floor / Section II Mastic Assoc. w/NO-2-07A/C, Tan Note: Insufficient Mastic for Gravimetric Reduction; Analysis Via PLM only.	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	2% 98%
2141252-036 NO-2-08C	North Wing / Second Floor / Section II Mastic Assoc. w/NO-2-07A/C, Tan Note: Insufficient Mastic for Gravimetric Reduction; Analysis Via PLM only.	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	2% 98%
2141252-037 NO-2-09A	North Wing / Second Floor / Section II Linoleum - Beige, Beige	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	35% 15% 50%
2141252-038 NO-2-09B	North Wing / Second Floor / Section II Linoleum - Beige, Beige	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	35% 15% 50%
2141252-039 NO-2-09C	North Wing / Second Floor / Section II Linoleum - Beige, Beige	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	35% 15% 50%
2141252-040 NO-2-10A	North Wing / Second Floor / Section III Carpet Mastic (yellow), Yellow	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	3% 97%
2141252-041 NO-2-10B	North Wing / Second Floor / Section III Carpet Mastic (yellow), Yellow	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	3% 97%
2141252-042 NO-2-10C	North Wing / Second Floor / Section III Carpet Mastic (yellow), Yellow	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	3% 97%

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BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.
ADDRESS:	400 Commercial Street
CITY / STATE / ZIP:	Portland ME 04101
CONTACT:	Erik Phenix
DESCRIPTION:	PLM Analysis
LOCATION:	AMHI Facility - North Wing, Augusta, ME

ORDER #:	2141252; Issue 2
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ANALYSIS DATE:	01/04/2022
REPORT DATE:	01/14/2022
ANALYST:	Kristina Scaviola

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141252-043 NO-2-11A	North Wing / Second Floor / Section III Vinyl Cove Base, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
2141252-044 NO-2-11B	North Wing / Second Floor / Section III Vinyl Cove Base, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
2141252-045 NO-2-11C	North Wing / Second Floor / Section III Vinyl Cove Base, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
2141252-046 NO-2-12A	North Wing / Second Floor / Section III Mastic Assoc. w/NO-2-11A/C, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	3% 97%
2141252-047 NO-2-12B	North Wing / Second Floor / Section III Mastic Assoc. w/NO-2-11A/C, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	3% 97%
2141252-048 NO-2-12C	North Wing / Second Floor / Section III Mastic Assoc. w/NO-2-11A/C, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	3% 97%
2141252-049 NO-2-13A	North Wing / Second Floor / Section III Stone Cove Base, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
2141252-050 NO-2-13B	North Wing / Second Floor / Section III Stone Cove Base, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
2141252-051 NO-2-13C	North Wing / Second Floor / Section III Stone Cove Base, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%

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BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.	**ORDER #:**	2141252; Issue 2
ADDRESS:	400 Commercial Street	**PROJECT #:**	211.06085
CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - North Wing, Augusta, ME	**ANALYSIS DATE:**	01/04/2022
		REPORT DATE:	01/14/2022
		ANALYST:	Kristina Scaviola

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141252-052 NO-2-14A	North Wing / Second Floor / Section III LAYER 1 9"x9" Vinyl Floor Tile - (tile "R"), Black	LAYER 1 100%	Chrysotile	3.42%	Cellulose Fiber Non-Fibrous Material	1% 95.58%
	LAYER 2 Mastic, Black Note: Via PLM	LAYER 2 100%	Chrysotile	3%	Cellulose Fiber Binder/Filler	1% 96%
2141252-053 NO-2-14B	North Wing / Second Floor / Section III LAYER 1 9"x9" Vinyl Floor Tile - (tile "R"), Positive Stop	LAYER 1 100%				
	LAYER 2 9"x9" Vinyl Floor Tile Mastic, Black Note: Positive Stop	LAYER 2 100%				
2141252-054 NO-2-14C	North Wing / Second Floor / Section III LAYER 1 9"x9" Vinyl Floor Tile - (tile "R"), Positive Stop	LAYER 1 100%				
	LAYER 2 9"x9" Vinyl Floor Tile Mastic, Black Note: Positive Stop	LAYER 2 100%				
2141252-055 NO-2-15A	North Wing / Second Floor / Section III Sink Undercoating, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
2141252-056 NO-2-15B	North Wing / Second Floor / Section III Sink Undercoating, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
2141252-057 NO-2-15C	North Wing / Second Floor / Section III Sink Undercoating, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
2141252-058 NO-3-01A	North Wing / Third Floor / Section I 9"X9" Vinyl Floor Tile, Off White	LAYER 1 100%	Chrysotile	2.98%	Cellulose Fiber Non-Fibrous Material	1% 96.02%

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BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.	**ORDER #:**	2141252; Issue 2
ADDRESS:	400 Commercial Street	**PROJECT #:**	211.06085
CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - North Wing, Augusta, ME	**ANALYSIS DATE:**	01/04/2022
		REPORT DATE:	01/14/2022
		ANALYST:	Kristina Scaviola

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141252-059 NO-3-01B	North Wing / Third Floor / Section I 9"X9" Vinyl Floor Tile, Positive Stop	LAYER 1 100%				
2141252-060 NO-3-01C	North Wing / Third Floor / Section I 9"X9" Vinyl Floor Tile - Black With Mottle, Positive Stop	LAYER 1 100%				
2141252-061 NO-3-02A	North Wing / Third Floor / Section I Mastic Assoc. w/NO-3-01A/C, Black Note: Insufficient Mastic for Gravimetric Reduction; Analysis Via PLM only.	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
2141252-062 NO-3-02B	North Wing / Third Floor / Section I Mastic Assoc. w/NO-3-01A/C, Black Note: Insufficient Mastic for Gravimetric Reduction; Analysis Via PLM only.	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
2141252-063 NO-3-02C	North Wing / Third Floor / Section I Mastic Assoc. w/NO-3-01A/C, Black Note: Insufficient Mastic for Gravimetric Reduction; Analysis Via PLM only.	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
2141252-064 NO-3-03A	North Wing / Third Floor / Section I 12"x12" Vinyl Floor Tile, Pink	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
2141252-065 NO-3-03B	North Wing / Third Floor / Section I 12"x12" Vinyl Floor Tile, Pink	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
2141252-066 NO-3-03C	North Wing / Third Floor / Section I 12"x12" Vinyl Floor Tile, Pink	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%

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BULK SAMPLE ANALYSIS REPORT POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.	**ORDER #:**	2141252; Issue 2
ADDRESS:	400 Commercial Street	**PROJECT #:**	211.06085
CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - North Wing, Augusta, ME	**ANALYSIS DATE:**	01/04/2022
		REPORT DATE:	01/14/2022
		ANALYST:	Kristina Scaviola

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141252-067 NO-3-04A	North Wing / Third Floor / Section I Ceramic Wall Tile Grout (Blue Tiles), White	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
2141252-068 NO-3-04B	North Wing / Third Floor / Section I Ceramic Wall Tile Grout (Blue Tiles), White	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
2141252-069 NO-3-04C	North Wing / Third Floor / Section I Ceramic Wall Tile Grout (Blue Tiles), White	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
2141252-070 NO-3-05A	North Wing / Third Floor / Section I Ceramic Floor Tile Grout (1" Multi Colored Tiles), Gray	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
2141252-071 NO-3-05B	North Wing / Third Floor / Section I Ceramic Floor Tile Grout (1" Multi Colored Tiles), Gray	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
2141252-072 NO-3-05C	North Wing / Third Floor / Section I Ceramic Floor Tile Grout (1" Multi Colored Tiles), Gray	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
2141252-073 NO-3-06A	North Wing / Third Floor / Section I Mastic Assoc. w/NO-3-03A/C, Tan Note: Insufficient Mastic for Gravimetric Reduction; Analysis Via PLM only.	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
2141252-074 NO-3-06B	North Wing / Third Floor / Section I Mastic Assoc. w/NO-3-03A/C, Tan Note: Insufficient Mastic for Gravimetric Reduction; Analysis Via PLM only.	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%

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BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT: Ransom Environmental Consultants, Inc.
ADDRESS: 400 Commercial Street
CITY / STATE / ZIP: Portland ME 04101
CONTACT: Erik Phenix
DESCRIPTION: PLM Analysis
LOCATION: AMHI Facility - North Wing, Augusta, ME

ORDER #: 2141252; Issue 2
PROJECT #: 211.06085
DATE COLLECTED:
COLLECTED BY: Client
DATE RECEIVED: 12/23/2021
ANALYSIS DATE: 01/04/2022
REPORT DATE: 01/14/2022
ANALYST: Kristina Scaviola

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141252-075 NO-3-06C	North Wing / Third Floor / Section I Mastic Assoc. w/NO-3-03A/C, Tan Note: Insufficient Mastic for Gravimetric Reduction; Analysis Via PLM only.	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
2141252-076 NO-3-07A	North Wing / Third Floor / Section I 1'x1' Ceiling Tile (decorative), White/Gray	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Binder/Filler	65% 15% 20%
2141252-077 NO-3-07B	North Wing / Third Floor / Section I 1'x1' Ceiling Tile (decorative), White/Gray	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Binder/Filler	65% 15% 20%
2141252-078 NO-3-07C	North Wing / Third Floor / Section I 1'x1' Ceiling Tile (decorative), White/Gray	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Binder/Filler	65% 15% 20%
2141252-079 NO-3-08A	North Wing / Third Floor / Section I Glue Daubs, Brown	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-080 NO-3-08B	North Wing / Third Floor / Section I Glue Daubs, Brown	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-081 NO-3-08C	North Wing / Third Floor / Section I Glue Daubs, Brown	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-082 NO-3-09A	North Wing / Third Floor / Section I Drywall, Gray/Brown	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	10% 90%
2141252-083 NO-3-09B	North Wing / Third Floor / Section I Drywall, Gray/Brown	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	10% 90%

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BULK SAMPLE ANALYSIS REPORT
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CLIENT:	Ransom Environmental Consultants, Inc.	**ORDER #:**	2141252; Issue 2
ADDRESS:	400 Commercial Street	**PROJECT #:**	211.06085
CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - North Wing, Augusta, ME	**ANALYSIS DATE:**	01/04/2022
		REPORT DATE:	01/14/2022
		ANALYST:	Kristina Scaviola

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141252-084 NO-3-09C	North Wing / Third Floor / Section I Drywall, Gray/Brown	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	10% 90%
2141252-085 NO-3-10A	North Wing / Third Floor / Section I Joint Compound, White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-086 NO-3-10B	North Wing / Third Floor / Section I Joint Compound, White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-087 NO-3-10C	North Wing / Third Floor / Section I Joint Compound, White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-088 NO-3-11A	North Wing / Third Floor / Section II 12"x12" Vinyl Floor Tile, Beige	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
2141252-089 NO-3-11B	North Wing / Third Floor / Section II 12"x12" Vinyl Floor Tile, Beige	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
2141252-090 NO-3-11C	North Wing / Third Floor / Section II 12"x12" Vinyl Floor Tile, Beige	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
2141252-091 NO-3-12A	North Wing / Third Floor / Section II Mastic, Yellow	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-092 NO-3-12B	North Wing / Third Floor / Section II Mastic, Yellow	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-093 NO-3-12C	North Wing / Third Floor / Section II Mastic, Yellow	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%

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BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.	**ORDER #:**	2141252; Issue 2
ADDRESS:	400 Commercial Street	**PROJECT #:**	211.06085
CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - North Wing, Augusta, ME	**ANALYSIS DATE:**	01/04/2022
		REPORT DATE:	01/14/2022
		ANALYST:	Kristina Scaviola

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141252-094 NO-3-13A	North Wing / Third Floor / Section II 12"x12" Vinyl Floor Tile, Brown Note: Sample on Hold.	LAYER 1 100%				
2141252-095 NO-3-13B	North Wing / Third Floor / Section II 12"x12" Vinyl Floor Tile, Brown Note: Sample on Hold.	LAYER 1 100%				
2141252-096 NO-3-13C	North Wing / Third Floor / Section II 12"x12" Vinyl Floor Tile, Brown Note: Sample on Hold.	LAYER 1 100%				
2141252-097 NO-3-14A	North Wing / Third Floor / Section II Mastic, Black	LAYER 1 100%	Chrysotile	6%	Cellulose Fiber Binder/Filler	1% 93%
2141252-098 NO-3-14B	North Wing / Third Floor / Section II Mastic, Black Note: Positive Stop	LAYER 1 100%				
2141252-099 NO-3-14C	North Wing / Third Floor / Section II Mastic, Black Note: Positive Stop	LAYER 1 100%				
2141252-100 NO-3-15A	North Wing / Third Floor / Section II 12"x12" Vinyl Floor Tile, Brown Note: Sample on Hold.	LAYER 1 100%				
2141252-101 NO-3-15B	North Wing / Third Floor / Section II 12"x12" Vinyl Floor Tile, Brown Note: Sample on Hold.	LAYER 1 100%				
2141252-102 NO-3-15C	North Wing / Third Floor / Section II 12"x12" Vinyl Floor Tile, Brown Note: Sample on Hold.	LAYER 1 100%				
2141252-103 NO-3-16A	North Wing / Third Floor / Section II 12"x12" Vinyl Floor Tile, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%

OPTIMUM
Analytical and Consulting, LLC
85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

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2141252-104 NO-3-16B	North Wing / Third Floor / Section II 12"x12" Vinyl Floor Tile, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
2141252-105 NO-3-16C	North Wing / Third Floor / Section II 12"x12" Vinyl Floor Tile, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
2141252-106 NO-3-17A	North Wing / Third Floor / Section II Carpet Mastic, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-107 NO-3-17B	North Wing / Third Floor / Section II Carpet Mastic, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-108 NO-3-17C	North Wing / Third Floor / Section II Carpet Mastic, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-109 NO-3-18A	North Wing / Third Floor / Section II Ceramic Wall Tile Grout, White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-110 NO-3-18B	North Wing / Third Floor / Section II Ceramic Wall Tile Grout, White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-111 NO-3-18C	North Wing / Third Floor / Section II Ceramic Wall Tile Grout, White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-112 NO-3-19A	North Wing / Third Floor / Section II LAYER 1 9"x9" Vinyl Floor Tile, Off White LAYER 2 Mastic, Black	LAYER 1 100% LAYER 2 100%	Chrysotile Chrysotile	3.56% 2%	Cellulose Fiber Non-Fibrous Material Cellulose Fiber Binder/Filler	1% 95.44% 1% 97%

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REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141252-113	North Wing / Third Floor / Section II					
NO-3-19B	LAYER 1 9"x9" Vinyl Floor Tile, Off White Note: Positive Stop	LAYER 1 100%				
	LAYER 2 Mastic, Black Note: Positive Stop	LAYER 2 100%				
2141252-114	North Wing / Third Floor / Section II					
NO-3-19C	LAYER 1 9"x9" Vinyl Floor Tile, Off White Note: Positive Stop	LAYER 1 100%				
	LAYER 2 Mastic, Black Note: Positive Stop	LAYER 2 100%				
2141252-115	North Wing / Third Floor / Section II					
NO-3-20A	LAYER 1 12"x12" Vinyl Floor Tile, Green	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
	LAYER 2 Mastic, Black	LAYER 2 100%	Chrysotile	3%	Cellulose Fiber Binder/Filler	1% 96%
2141252-116	North Wing / Third Floor / Section II					
NO-3-20B	LAYER 1 12"x12" Vinyl Floor Tile, Green	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
	LAYER 2 Mastic, Black Note: Positive Stop	LAYER 2 100%				
2141252-117	North Wing / Third Floor / Section II					
NO-3-20C	LAYER 1 12"x12" Vinyl Floor Tile, Green	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	1% 99%
	LAYER 2 Mastic, Black Note: Positive Stop	LAYER 2 100%				
2141252-118	North Wing / Third Floor / Section II					
NO-3-21A	12"x12" Vinyl Floor Tile, Green	LAYER 1 100%	Chrysotile	3.28%	Cellulose Fiber Non-Fibrous Material	1% 95.72%

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CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - North Wing, Augusta, ME	**ANALYSIS DATE:**	01/04/2022
		REPORT DATE:	01/14/2022
		ANALYST:	Kristina Scaviola

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141252-119 NO-3-21B	North Wing / Third Floor / Section II 12"x12" Vinyl Floor Tile, Green Note: Positive Stop	LAYER 1 100%				
2141252-120 NO-3-21C	North Wing / Third Floor / Section II 12"x12" Vinyl Floor Tile, Green Note: Positive Stop	LAYER 1 100%				
2141252-121 NO-3-22A	North Wing / Third Floor / Section II 12"x12" Vinyl Floor Tile, Beige Note: Sample on Hold	LAYER 1 100%				
2141252-122 NO-3-22B	North Wing / Third Floor / Section II 12"x12" Vinyl Floor Tile, Beige Note: Sample on Hold	LAYER 1 100%				
2141252-123 NO-3-22C	North Wing / Third Floor / Section II 12"x12" Vinyl Floor Tile, Beige Note: Sample on Hold	LAYER 1 100%				
2141252-124 NO-3-23A	North Wing / Third Floor / Section II Travertine Flooring, White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-125 NO-3-23B	North Wing / Third Floor / Section II Travertine Flooring, White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-126 NO-3-23C	North Wing / Third Floor / Section II Travertine Flooring, White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-127 NO-3-24A	North Wing / Third Floor / Section III 9"x9" Floor Tile, Dark Red	LAYER 1 100%	Chrysotile	10.31%	Cellulose Fiber Non-Fibrous Material	1% 88.69%
2141252-128 NO-3-24B	North Wing / Third Floor / Section III 9"x9" Floor Tile, Positive Stop	LAYER 1 100%				

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Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141252-129 NO-3-24C	North Wing / Third Floor / Section III 9"x9" Floor Tile, Positive Stop	LAYER 1 100%				
2141252-130 NO-3-25A	North Wing / Third Floor / Section III 9"x9" Floor Tile, Red	LAYER 1 100%	Chrysotile	3.44%	Cellulose Fiber Non-Fibrous Material	1% 95.56%
2141252-131 NO-3-25B	North Wing / Third Floor / Section III 9"x9" Vinyl Floor Tile, Positive Stop	LAYER 1 100%				
2141252-132 NO-3-25C	North Wing / Third Floor / Section III 9"x9" Vinyl Floor Tile, Positive Stop	LAYER 1 100%				
2141252-133 NO-3-26A	North Wing / Third Floor / Section II Mastic, Black	LAYER 1 100%	Chrysotile	4.25%	Cellulose Fiber Binder/Filler	2% 93.75%
2141252-134 NO-3-26B	North Wing / Third Floor / Section II Mastic, Black Note: Positive Stop	LAYER 1 100%				
2141252-135 NO-3-26C	North Wing / Third Floor / Section II Mastic, Black Note: Positive Stop	LAYER 1 100%				
2141252-136 NO-3-27A	North Wing / Third Floor / Section II Ceramic Wall Tile Grout, White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-137 NO-3-27B	North Wing / Third Floor / Section II Ceramic Wall Tile Grout, White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-138 NO-3-27C	North Wing / Third Floor / Section II Ceramic Wall Tile Grout, White	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%

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REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141252-139 NO-3-28A	North Wing / Third Floor / Section III 9"x9" Vinyl Floor Tiles, Beige Note: Sample on Hold.	LAYER 1 100%				
2141252-140 NO-3-28B	North Wing / Third Floor / Section III 9"x9" Vinyl Floor Tiles, Beige Note: Sample on Hold.	LAYER 1 100%				
2141252-141 NO-3-28C	North Wing / Third Floor / Section III 9"x9" Vinyl Floor Tiles, Beige Note: Sample on Hold.	LAYER 1 100%				
2141252-142 NO-3-29A	North Wing / Third Floor / Section III Mastic, Black Note: Insufficient Mastic for Gravimetric Reduction; Analysis Via PLM only.	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-143 NO-3-29B	North Wing / Third Floor / Section III Mastic, Black Note: Insufficient Mastic for Gravimetric Reduction; Analysis Via PLM only.	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-144 NO-3-29C	North Wing / Third Floor / Section III Mastic, Black Note: Insufficient Mastic for Gravimetric Reduction; Analysis Via PLM only.	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-145 NO-3-30A	North Wing / Third Floor / Section III LAYER 1 12"x12" Vinyl Floor Tile, Beige LAYER 2 Mastic, Black	LAYER 1 100% LAYER 2 100%	Chrysotile Chrysotile	1.08% 3%	Cellulose Fiber Binder/Filler Cellulose Fiber Binder/Filler	1% 97.92% 1% 96%

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Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141252-146	North Wing / Third Floor / Section III					
NO-3-30B	LAYER 1 12"x12" Vinyl Floor Tile, Beige Note: Positive Stop	LAYER 1 100%				
	LAYER 2 Mastic, Black Note: Positive Stop	LAYER 2 100%				
2141252-147	North Wing / Third Floor / Section III					
NO-3-30C	LAYER 1 12"x12" Vinyl Floor Tile, Beige Note: Positive Stop	LAYER 1 100%				
	LAYER 2 Mastic, Black Note: Positive Stop	LAYER 2 100%				
2141252-148	North Wing / Third Floor / Section III					
NO-3-31A	LAYER 1 9"x9" Floor Tile, Dark Pink	LAYER 1 100%	Chrysotile	4.73%	Cellulose Fiber Non-Fibrous Material	1% 94.27%
	LAYER 2 Mastic, Black	LAYER 2 100%	Chrysotile	3%	Cellulose Fiber Binder/Filler	1% 96%
2141252-149	North Wing / Third Floor / Section III					
NO-3-31B	LAYER 1 9"x9" Floor Tile, Positive Stop	LAYER 1 100%				
	LAYER 2 Mastic, Black Note: Positive Stop	LAYER 2 100%				
2141252-150	North Wing / Third Floor / Section III					
NO-3-31C	LAYER 1 9"x9" Floor Tile, Positive Stop	LAYER 1 100%				
	LAYER 2 Mastic, Black Note: Positive Stop	LAYER 2 100%				
2141252-151	North Wing / Third Floor / Section III					
NO-3-32A	Vinyl Cove Base, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%

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Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141252-152 NO-3-32B	North Wing / Third Floor / Section III Vinyl Cove Base, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-153 NO-3-32C	North Wing / Third Floor / Section III Vinyl Cove Base, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-154 NO-3-33A	North Wing / Third Floor / Section III Vinyl Cove Base Mastic, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-155 NO-3-33B	North Wing / Third Floor / Section III Vinyl Cove Base Mastic, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-156 NO-3-33C	North Wing / Third Floor / Section III Vinyl Cove Base Mastic, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
2141252-157 NO-3-34A	North Wing / Third Floor / Section III 1'x1' Ceiling Tile (Random Fissure), Gray/White	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Binder/Filler	65% 15% 20%
2141252-158 NO-3-34B	North Wing / Third Floor / Section III 1'x1' Ceiling Tile (Random Fissure), Gray/White	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Binder/Filler	65% 15% 20%
2141252-159 NO-3-34C	North Wing / Third Floor / Section III 1'x1' Ceiling Tile (Random Fissure), Gray/White	LAYER 1 100%	None Detected		Cellulose Fiber Fibrous Glass Binder/Filler	65% 15% 20%

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2141252-160	North Wing / Third Floor / Section III					
NO-3-35A	LAYER 1	LAYER 1	None Detected		Cellulose Fiber	1%
	12"x12" Vinyl Floor Tile, Dark Brown	100%			Binder/Filler	99%
	LAYER 2	LAYER 2	Chrysotile	3%	Cellulose Fiber	1%
	Mastic, Black	100%			Binder/Filler	96%
	Note: Analysis Via PLM only.					
2141252-161	North Wing / Third Floor / Section III					
NO-3-35B	LAYER 1	LAYER 1	None Detected		Cellulose Fiber	1%
	12"x12" Vinyl Floor Tile, Dark Brown	100%			Binder/Filler	99%
	LAYER 2	LAYER 2				
	Mastic, Black	100%				
	Note: Positive Stop					
2141252-162	North Wing / Third Floor / Section III					
NO-3-35C	LAYER 1	LAYER 1	None Detected		Cellulose Fiber	1%
	12"x12" Vinyl Floor Tile, Dark Brown	100%			Binder/Filler	99%
	LAYER 2	LAYER 2				
	Mastic, Black	100%				
	Note: Positive Stop					

The report has been amended per client request. Report Order # 2141252 Issue 2; 1/20/2022.

Analyst Signatory: _____
Kristina Scaviola

NVLAP TESTING
NVLAP Lab Code: 101433-0

2141252

Client:	Ransom Consulting, LLC
Contact:	Bonnie A. Best
Address:	112 Corporate Drive, Portsmouth, NH 03801
Phone:	(603) 436-1490
Fax:	(603) 436-6037
Email:	bonnie.best@ransomenv.com ephenix@ransomenv.com
Project:	AMHI Facility - NORTH WING
Ransom Project #	211.06085 Augusta, Maine
Client Notes:	**Positive Stop Requested** *Please analyze prepare NOB samples via gravimetric reduction, per MEDEP requirements*
P.O. #:	13492
Date Submitted:	12/22/2021 0:00
Analysis:	Bulk PLM
TurnAroundTime:	**Standard TAT**

Instructions:
Use Column "B" for your contact info

To See an Example Click the bottom Example Tab.

Enter samples between "<<" and ">>"

Begin Samples with a "<< "above the first sample

and end with a ">>" below the last sample.
Only Enter your data on the first sheet "Sheet1"

Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included in the electronic data returned to you to facilitate your reintegration of the report data.

Sample Number	Building/Area	Sample Description
<<		
NO-1-01A	North Wing / First Floor / Section I	9"x9" vinyl floor tile - tile "S"
NO-1-01B	North Wing / First Floor / Section I	9"x9" vinyl floor tile - tile "S"
NO-1-01C	North Wing / First Floor / Section I	9"x9" vinyl floor tile - tile "S"
NO-1-02A	North Wing / First Floor / Section I	Linoleum - brown granite
NO-1-02B	North Wing / First Floor / Section I	Linoleum - brown granite
NO-1-02C	North Wing / First Floor / Section I	Linoleum - brown granite
NO-1-03A	North Wing / First Floor / Section I	Linoleum - light tan mottled
NO-1-03B	North Wing / First Floor / Section I	Linoleum - light tan mottled
NO-1-03C	North Wing / First Floor / Section I	Linoleum - light tan mottled
NO-1-04A	North Wing / First Floor / Section I	9"x9" vinyl floor tile - blue with white mottles
NO-1-04B	North Wing / First Floor / Section I	9"x9" vinyl floor tile - blue with white mottles
NO-1-04C	North Wing / First Floor / Section I	9"x9" vinyl floor tile - blue with white mottles
NO-2-01A	North Wing / Second Floor / Section II	Linoleum - beige
NO-2-01B	North Wing / Second Floor / Section II	Linoleum - beige
NO-2-01C	North Wing / Second Floor / Section II	Linoleum - beige
NO-2-02A	North Wing / Second Floor / Section II	Mastic assoc. w/ NO-2-01A/C
NO-2-02B	North Wing / Second Floor / Section II	Mastic assoc. w/ NO-2-01A/C
NO-2-02C	North Wing / Second Floor / Section II	Mastic assoc. w/ NO-2-01A/C
NO-2-03A	North Wing / Second Floor / Section II	12"x12" vinyl floor tile - red (tile "P")
NO-2-03B	North Wing / Second Floor / Section II	12"x12" vinyl floor tile - red (tile "P")
NO-2-03C	North Wing / Second Floor / Section II	12"x12" vinyl floor tile - red (tile "P")
NO-2-04A	North Wing / Second Floor / Section II	Sink undercoat
NO-2-04B	North Wing / Second Floor / Section II	Sink undercoat
NO-2-04C	North Wing / Second Floor / Section II	Sink undercoat
NO-2-05A	North Wing / Second Floor / Section II	Linoleum - gray, square pattern
NO-2-05B	North Wing / Second Floor / Section II	Linoleum - gray, square pattern
NO-2-05C	North Wing / Second Floor / Section II	Linoleum - gray, square pattern
NO-2-06A	North Wing / Second Floor / Section II	Mastic (black) assoc. w/ NO-2-05A/C
NO-2-06B	North Wing / Second Floor / Section II	Mastic (black) assoc. w/ NO-2-05A/C
NO-2-06C	North Wing / Second Floor / Section II	Mastic (black) assoc. w/ NO-2-05A/C
NO-2-07A	North Wing / Second Floor / Section II	Linoleum - blue
NO-2-07B	North Wing / Second Floor / Section II	Linoleum - blue
NO-2-07C	North Wing / Second Floor / Section II	Linoleum - blue
NO-2-08A	North Wing / Second Floor / Section II	Mastic (yellow) assoc. w/ NO-2-07A/C
NO-2-08B	North Wing / Second Floor / Section II	Mastic (yellow) assoc. w/ NO-2-07A/C
NO-2-08C	North Wing / Second Floor / Section II	Mastic (yellow) assoc. w/ NO-2-07A/C
NO-2-09A	North Wing / Second Floor / Section II	Linoleum - beige
NO-2-09B	North Wing / Second Floor / Section II	Linoleum - beige
NO-2-09C	North Wing / Second Floor / Section II	Linoleum - beige

2141252

NO-2-10A	North Wing / Second Floor / Section III	Carpet mastic (yellow)
NO-2-10B	North Wing / Second Floor / Section III	Carpet mastic (yellow)
NO-2-10C	North Wing / Second Floor / Section III	Carpet mastic (yellow)
NO-2-11A	North Wing / Second Floor / Section III	Vinyl cove base - gray
NO-2-11B	North Wing / Second Floor / Section III	Vinyl cove base - gray
NO-2-11C	North Wing / Second Floor / Section III	Vinyl cove base - gray
NO-2-12A	North Wing / Second Floor / Section III	Mastic assoc. w/ NO-2-11A/C
NO-2-12B	North Wing / Second Floor / Section III	Mastic assoc. w/ NO-2-11A/C
NO-2-12C	North Wing / Second Floor / Section III	Mastic assoc. w/ NO-2-11A/C
NO-2-13A	North Wing / Second Floor / Section III	Stone cove base
NO-2-13B	North Wing / Second Floor / Section III	Stone cove base
NO-2-13C	North Wing / Second Floor / Section III	Stone cove base
NO-2-14A	North Wing / Second Floor / Section III	9"x9" vinyl floor tile - black with tan mottles (tile "R")
NO-2-14B	North Wing / Second Floor / Section III	9"x9" vinyl floor tile - black with tan mottles (tile "R")
NO-2-14C	North Wing / Second Floor / Section III	9"x9" vinyl floor tile - black with tan mottles (tile "R")
NO-2-15A	North Wing / Second Floor / Section III	Sink undercoat - gray
NO-2-15B	North Wing / Second Floor / Section III	Sink undercoat - gray
NO-2-15C	North Wing / Second Floor / Section III	Sink undercoat - gray
NO-3-01A	North Wing / Third Floor / Section I	9"x9" vinyl floor tile - black with mottles
NO-3-01B	North Wing / Third Floor / Section I	9"x9" vinyl floor tile - black with mottles
NO-3-01C	North Wing / Third Floor / Section I	9"x9" vinyl floor tile - black with mottles
NO-3-02A	North Wing / Third Floor / Section I	Mastic assoc. w/ NO-3-01A/C
NO-3-02B	North Wing / Third Floor / Section I	Mastic assoc. w/ NO-3-01A/C
NO-3-02C	North Wing / Third Floor / Section I	Mastic assoc. w/ NO-3-01A/C
NO-3-03A	North Wing / Third Floor / Section I	12"x12" vinyl floor tile - pink
NO-3-03B	North Wing / Third Floor / Section I	12"x12" vinyl floor tile - pink
NO-3-03C	North Wing / Third Floor / Section I	12"x12" vinyl floor tile - pink
NO-3-04A	North Wing / Third Floor / Section I	Ceramic wall tile grout (blue tiles)
NO-3-04B	North Wing / Third Floor / Section I	Ceramic wall tile grout (blue tiles)
NO-3-04C	North Wing / Third Floor / Section I	Ceramic wall tile grout (blue tiles)
NO-3-05A	North Wing / Third Floor / Section I	Ceramic floor tile grout (1" multi-color tiles)
NO-3-05B	North Wing / Third Floor / Section I	Ceramic floor tile grout (1" multi-color tiles)
NO-3-05C	North Wing / Third Floor / Section I	Ceramic floor tile grout (1" multi-color tiles)
NO-3-06A	North Wing / Third Floor / Section I	Mastic assoc. w/ NO-3-03A/C
NO-3-06B	North Wing / Third Floor / Section I	Mastic assoc. w/ NO-3-03A/C
NO-3-06C	North Wing / Third Floor / Section I	Mastic assoc. w/ NO-3-03A/C
NO-3-07A	North Wing / Third Floor / Section I	1'x1' Ceiling tile (decorative)
NO-3-07B	North Wing / Third Floor / Section I	1'x1' Ceiling tile (decorative)
NO-3-07C	North Wing / Third Floor / Section I	1'x1' Ceiling tile (decorative)
NO-3-08A	North Wing / Third Floor / Section I	Glue daubs assoc. w/ NO-3-07A/C
NO-3-08B	North Wing / Third Floor / Section I	Glue daubs assoc. w/ NO-3-07A/C
NO-3-08C	North Wing / Third Floor / Section I	Glue daubs assoc. w/ NO-3-07A/C
NO-3-09A	North Wing / Third Floor / Section I	Drywall
NO-3-09B	North Wing / Third Floor / Section I	Drywall
NO-3-09C	North Wing / Third Floor / Section I	Drywall
NO-3-10A	North Wing / Third Floor / Section I	Joint compound
NO-3-10B	North Wing / Third Floor / Section I	Joint compound
NO-3-10C	North Wing / Third Floor / Section I	Joint compound
NO-3-11A	North Wing / Third Floor / Section II	12"x12" vinyl floor tile - gray/green
NO-3-11B	North Wing / Third Floor / Section II	12"x12" vinyl floor tile - gray/green
NO-3-11C	North Wing / Third Floor / Section II	12"x12" vinyl floor tile - gray/green
NO-3-12A	North Wing / Third Floor / Section II	Mastic (yellow) assoc. w/ NO-3-11A/C
NO-3-12B	North Wing / Third Floor / Section II	Mastic (yellow) assoc. w/ NO-3-11A/C
NO-3-12C	North Wing / Third Floor / Section II	Mastic (yellow) assoc. w/ NO-3-11A/C
NO-3-13A	North Wing / Third Floor / Section II	12"x12" vinyl floor tile - brown
NO-3-13B	North Wing / Third Floor / Section II	12"x12" vinyl floor tile - brown
NO-3-13C	North Wing / Third Floor / Section II	12"x12" vinyl floor tile - brown
NO-3-14A	North Wing / Third Floor / Section II	Mastic (black) assoc. w/ NO-3-13A/C (& 3-15, 3-16)
NO-3-14B	North Wing / Third Floor / Section II	Mastic (black) assoc. w/ NO-3-13A/C (& 3-15, 3-16)
NO-3-14C	North Wing / Third Floor / Section II	Mastic (black) assoc. w/ NO-3-13A/C (& 3-15, 3-16)
NO-3-15A	North Wing / Third Floor / Section II	12"x12" vinyl floor tile - brown

214252

NO-3-15B	North Wing / Third Floor / Section II	12"x12" vinyl floor tile - brown
NO-2-15C	North Wing / Third Floor / Section II	12"x12" vinyl floor tile - brown
NO-3-16A	North Wing / Third Floor / Section II	12"x12" vinyl floor tile - light brown
NO-3-16B	North Wing / Third Floor / Section II	12"x12" vinyl floor tile - light brown
NO-3-16C	North Wing / Third Floor / Section II	12"x12" vinyl floor tile - light brown
NO-3-17A	North Wing / Third Floor / Section II	Carpet mastic (9" tiles beneath carpet)
NO-3-17B	North Wing / Third Floor / Section II	Carpet mastic (9" tiles beneath carpet)
NO-3-17C	North Wing / Third Floor / Section II	Carpet mastic (9" tiles beneath carpet)
NO-3-18A	North Wing / Third Floor / Section II	Ceramic wall tile grout (yellow tiles)
NO-3-18B	North Wing / Third Floor / Section II	Ceramic wall tile grout (yellow tiles)
NO-3-18C	North Wing / Third Floor / Section II	Ceramic wall tile grout (yellow tiles)
NO-3-19A	North Wing / Third Floor / Section II	9"x9" vinyl floor tile - gray speckled
NO-3-19B	North Wing / Third Floor / Section II	9"x9" vinyl floor tile - gray speckled
NO-3-19C	North Wing / Third Floor / Section II	9"x9" vinyl floor tile - gray speckled
NO-3-20A	North Wing / Third Floor / Section II	12"x12" vinyl floor tile - green
NO-3-20B	North Wing / Third Floor / Section II	12"x12" vinyl floor tile - green
NO-3-20C	North Wing / Third Floor / Section II	12"x12" vinyl floor tile - green
NO-3-21A	North Wing / Third Floor / Section II	12"x12" vinyl floor tile - pea green
NO-3-21B	North Wing / Third Floor / Section II	12"x12" vinyl floor tile - pea green
NO-3-21C	North Wing / Third Floor / Section II	12"x12" vinyl floor tile - pea green
NO-3-22A	North Wing / Third Floor / Section II	12"x12" vinyl floor tile - beige
NO-3-22B	North Wing / Third Floor / Section II	12"x12" vinyl floor tile - beige
NO-3-22C	North Wing / Third Floor / Section II	12"x12" vinyl floor tile - beige
NO-3-23A	North Wing / Third Floor / Section II	Travertine flooring
NO-3-23B	North Wing / Third Floor / Section II	Travertine flooring
NO-3-23C	North Wing / Third Floor / Section II	Travertine flooring
NO-3-24A	North Wing / Third Floor / Section III	9"x9" vinyl floor tile - dark red
NO-3-24B	North Wing / Third Floor / Section III	9"x9" vinyl floor tile - dark red
NO-3-24C	North Wing / Third Floor / Section III	9"x9" vinyl floor tile - dark red
NO-3-25A	North Wing / Third Floor / Section III	9"x9" vinlyl floor tile - red/brown with tan mottles
NO-3-25B	North Wing / Third Floor / Section III	9"x9" vinlyl floor tile - red/brown with tan mottles
NO-3-25C	North Wing / Third Floor / Section III	9"x9" vinlyl floor tile - red/brown with tan mottles
NO-3-26A	North Wing / Third Floor / Section II	Mastic (black) assoc. with NO-3-21A/C
NO-3-26B	North Wing / Third Floor / Section II	Mastic (black) assoc. with NO-3-21A/C
NO-3-26C	North Wing / Third Floor / Section II	Mastic (black) assoc. with NO-3-21A/C
NO-3-27A	North Wing / Third Floor / Section II	Ceramic wall tile grout (pea green tiles)
NO-3-27B	North Wing / Third Floor / Section II	Ceramic wall tile grout (pea green tiles)
NO-3-27C	North Wing / Third Floor / Section II	Ceramic wall tile grout (pea green tiles)
NO-3-28A	North Wing / Third Floor / Section III	9"x9" vinyl floor tiles - beige w/ red & black mottles
NO-3-28B	North Wing / Third Floor / Section III	9"x9" vinyl floor tiles - beige w/ red & black mottles
NO-3-28C	North Wing / Third Floor / Section III	9"x9" vinyl floor tiles - beige w/ red & black mottles
NO-3-29A	North Wing / Third Floor / Section III	Mastic (black) assoc. w/ NO-3-28A/C
NO-3-29B	North Wing / Third Floor / Section III	Mastic (black) assoc. w/ NO-3-28A/C
NO-3-29C	North Wing / Third Floor / Section III	Mastic (black) assoc. w/ NO-3-28A/C
NO-3-30A	North Wing / Third Floor / Section III	12"x12" vinyly floor tile - beige mottled
NO-3-30B	North Wing / Third Floor / Section III	12"x12" vinyly floor tile - beige mottled
NO-3-30C	North Wing / Third Floor / Section III	12"x12" vinyly floor tile - beige mottled
NO-3-31A	North Wing / Third Floor / Section III	9"x9" vinyl floor tile - dark pink
NO-3-31B	North Wing / Third Floor / Section III	9"x9" vinyl floor tile - dark pink
NO-3-31C	North Wing / Third Floor / Section III	9"x9" vinyl floor tile - dark pink
NO-3-32A	North Wing / Third Floor / Section III	Vinyl cove base
NO-3-32B	North Wing / Third Floor / Section III	Vinyl cove base
NO-3-32C	North Wing / Third Floor / Section III	Vinyl cove base
NO-3-33A	North Wing / Third Floor / Section III	Mastic assoc. w/ NO-3-32A/C
NO-3-33B	North Wing / Third Floor / Section III	Mastic assoc. w/ NO-3-32A/C
NO-3-33C	North Wing / Third Floor / Section III	Mastic assoc. w/ NO-3-32A/C
NO-3-34A	North Wing / Third Floor / Section III	1'x1' Ceiling tile (random fissure)
NO-3-34B	North Wing / Third Floor / Section III	1'x1' Ceiling tile (random fissure)
NO-3-34C	North Wing / Third Floor / Section III	1'x1' Ceiling tile (random fissure)
NO-3-35A	North Wing / Third Floor / Section III	12"x12" vinyl floor tile - dark brown
NO-3-35B	North Wing / Third Floor / Section III	12"x12" vinyl floor tile - dark brown

241650

NO-3-35C ✓ North Wing / Third Floor / Section III 12"x12" vinyl floor tile - dark brown

E. A. Bush 12-22-21/15:30

lk 12/23/21@ 2:45p

2141252

Ann Berrigan

From: Eriksen Phenix <ephenix@ransomenv.com>
Sent: Monday, December 27, 2021 12:10 PM
To: Ann Berrigan; Bonnie A. Best
Cc: Jamie Noel
Subject: RE: Ransom Project 211.06085 - AMHI, Augusta, Maine - North Wing

Yes, thank you for reaching out. It appears to be a typo on the chain of custody. Please revise the chain of custody to match the sample set.

Thank you!
-Erik

Eriksen Phenix, L.G.
Project Manager / Project Geologist
RANSOM CONSULTING, LLC
400 Commercial Street | Suite 404 | Portland, ME 04101
(207) 772-2891 x 418 | phone
(207) 272-8673 | mobile
ephenix@ransomenv.com
website | vCard | map

From: Ann Berrigan <ann.berrigan@optimumanalytical.com>
Sent: Monday, December 27, 2021 11:27 AM
To: Bonnie A. Best <bonnie.best@ransomenv.com>; Eriksen Phenix <ephenix@ransomenv.com>
Cc: Jamie Noel <jamie.noel@optimumanalytical.com>
Subject: RE: Ransom Project 211.06085 - AMHI, Augusta, Maine - North Wing

Good Morning,

I'm currently logging in the order for the North Wing and I've come across a question.

On the attached PDF, the item I have * says NO-2-15C however the sample states NO-3-15C. I'm assuming it's a typo on the COC, shall I fix to go along with the samples?

Please let me know.

Thanks,

Ann

From: Jamie Noel
Sent: Wednesday, December 22, 2021 3:52 PM
To: Ann Berrigan <ann.berrigan@optimumanalytical.com>
Subject: FW: Ransom Project 211.06085 - AMHI, Augusta, Maine

Jamie Noel 214 1252

From: Bonnie A. Best <bonnie.best@ransomenv.com>
Sent: Monday, January 17, 2022 9:54 AM
To: Jamie Noel; Eriksen Phenix
Subject: RE: AMHI Facility - North Wing, Augusta, ME project

Hi Jamie,

Thanks for keeping an eye on this. Yes, please do indicate the results for these additional mastic samples.

In addition could you please run the following 12" VFT samples that had been placed on hold:

- N-3-16 A,B,C
- N-3-21 A,B,C

And could you please double check the results for 12" VFT NO-3-30 to make sure it is the tile that is positive rather than the mastic? This tile sample was collected in an area with positive mastic and over a positive 9" VFT. However, I also have this tile in another section of this building which has negative mastic, and it's my only 12" tile that came back positive. I just want to be sure before I call it out in an area with no other positive results.

Thanks for all your help,
-Bonnie

From: Jamie Noel <jamie.noel@optimumanalytical.com>
Sent: Friday, January 14, 2022 6:35 PM
To: Bonnie A. Best <bonnie.best@ransomenv.com>; Eriksen Phenix <ephenix@ransomenv.com>
Subject: AMHI Facility - North Wing, Augusta, ME project

I went back and looked at the black mastics that were on the back of the tiles you removed from being on hold. I got a little paranoid because of the inconsistence in positive and negative mastic.

I did not indicate on the report (let me know if you want me to) but the black mastic on the back of N-2-14, N-2-03, N-3-20, N-3-19, N-3-30, and N-3-31 are all positive (chrysotile asbestos).

Jamie L. Noel
Laboratory Director
85 Stiles Road Suite 201
Salem, NH 03079
603-458-5247 (O)
603-706-0263 (C)

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2141252

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214252

Ann Berrigan

From: Ann Berrigan
Sent: Monday, December 27, 2021 11:27 AM
To: bonnie.best@ransomenv.com; ephenix@ransomenv.com
Cc: Jamie Noel
Subject: RE: Ransom Project 211.06085 - AMHI, Augusta, Maine - North Wing
Attachments: img12-27-2021-112215.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Good Morning,

I'm currently logging in the order for the North Wing and I've come across a question.

On the attached PDF, the item I have * says NO-2-15C however the sample states NO-3-15C. I'm assuming it's a typo on the COC, shall I fix to go along with the samples?

Please let me know.

Thanks,

Ann

From: Jamie Noel
Sent: Wednesday, December 22, 2021 3:52 PM
To: Ann Berrigan <ann.berrigan@optimumanalytical.com>
Subject: FW: Ransom Project 211.06085 - AMHI, Augusta, Maine

From: Bonnie A. Best <bonnie.best@ransomenv.com>
Sent: Wednesday, December 22, 2021 3:48 PM
To: Jamie Noel <jamie.noel@optimumanalytical.com>
Cc: Eriksen Phenix <ephenix@ransomenv.com>
Subject: Ransom Project 211.06085 - AMHI, Augusta, Maine

Hi Jamie,

Please find attached the COCs associated with the samples being shipped to you for delivery tomorrow (Thursday 12-23) via FedEx.

As indicated on the attached COCs, please HOLD all vinyl floor tiles and linoleum samples that are highlighted blue. Do run all mastic samples associated with these flooring samples (and remaining samples not highlighted). Based on lab results, we will decide which flooring samples to take off hold and run. Please note that the **hard copies of the COCs included with the samples does NOT have this highlighting**. Please rely on the attached electronic COCs, for which samples to place on HOLD.

ANALYTICAL REPORT

Lab Number:	L2170256
Client:	Ransom Consulting, LLC. 400 Commercial Street Suite 404 Portland, ME 04101-4660
ATTN:	Erik Phenix
Phone:	(207) 772-2891
Project Name:	STONE BUILDING
Project Number:	211.06085
Report Date:	01/07/22

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Project Name: STONE BUILDING
Project Number: 211.06085

Lab Number: L2170256
Report Date: 01/07/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2170256-01	PCB-1	SOLID	67 INDEPENDENCE DR.	12/17/21 15:20	12/21/21
L2170256-02	PCB-2	SOLID	67 INDEPENDENCE DR.	12/17/21 15:30	12/21/21
L2170256-03	PCB-3	SOLID	67 INDEPENDENCE DR.	12/17/21 15:35	12/21/21
L2170256-04	PCB-4	SOLID	67 INDEPENDENCE DR.	12/17/21 15:45	12/21/21
L2170256-05	PCB-5	SOLID	67 INDEPENDENCE DR.	12/17/21 15:50	12/21/21
L2170256-06	PCB-6	SOLID	67 INDEPENDENCE DR.	12/17/21 16:00	12/21/21
L2170256-07	PCB-7	SOLID	67 INDEPENDENCE DR.	12/17/21 16:05	12/21/21
L2170256-08	PCB-8	SOLID	67 INDEPENDENCE DR.	12/17/21 14:10	12/21/21

Project Name:	STONE BUILDING	**Lab Number:**	L2170256
Project Number:	211.06085	**Report Date:**	01/07/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 01/07/22

ORGANICS

PCBS

Project Name: STONE BUILDING
Project Number: 211.06085
Lab Number: L2170256
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170256-01
Client ID: PCB-1
Sample Location: 67 INDEPENDENCE DR.

Date Collected: 12/17/21 15:20
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 01/07/22 01:57
Analyst: CW
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Extraction Method: EPA 3540C
Extraction Date: 01/05/22 20:53
Cleanup Method: EPA 3630
Cleanup Date: 01/06/22
Cleanup Method: EPA 3665A
Cleanup Date: 01/06/22
Cleanup Method: EPA 3660B
Cleanup Date: 01/07/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	664	--	1	A
Aroclor 1221	ND		ug/kg	664	--	1	A
Aroclor 1232	ND		ug/kg	664	--	1	A
Aroclor 1242	ND		ug/kg	332	--	1	A
Aroclor 1248	ND		ug/kg	664	--	1	A
Aroclor 1254	ND		ug/kg	664	--	1	A
Aroclor 1260	ND		ug/kg	664	--	1	A
Aroclor 1262	ND		ug/kg	664	--	1	A
Aroclor 1268	ND		ug/kg	332	--	1	A
PCBs, Total	ND		ug/kg	332	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: STONE BUILDING
Project Number: 211.06085
Lab Number: L2170256
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170256-02
Client ID: PCB-2
Sample Location: 67 INDEPENDENCE DR.

Date Collected: 12/17/21 15:30
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 01/07/22 02:06
Analyst: CW
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Extraction Method: EPA 3540C
Extraction Date: 01/05/22 20:53
Cleanup Method: EPA 3630
Cleanup Date: 01/06/22
Cleanup Method: EPA 3665A
Cleanup Date: 01/06/22
Cleanup Method: EPA 3660B
Cleanup Date: 01/07/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	658	--	1	A
Aroclor 1221	ND		ug/kg	658	--	1	A
Aroclor 1232	ND		ug/kg	658	--	1	A
Aroclor 1242	ND		ug/kg	329	--	1	A
Aroclor 1248	ND		ug/kg	658	--	1	A
Aroclor 1254	ND		ug/kg	658	--	1	A
Aroclor 1260	ND		ug/kg	658	--	1	A
Aroclor 1262	ND		ug/kg	658	--	1	A
Aroclor 1268	ND		ug/kg	329	--	1	A
PCBs, Total	ND		ug/kg	329	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	125		30-150	A
2,4,5,6-Tetrachloro-m-xylene	106		30-150	B
Decachlorobiphenyl	111		30-150	B

Project Name: STONE BUILDING
Project Number: 211.06085
Lab Number: L2170256
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170256-03
Client ID: PCB-3
Sample Location: 67 INDEPENDENCE DR.

Date Collected: 12/17/21 15:35
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 01/07/22 02:15
Analyst: CW
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Extraction Method: EPA 3540C
Extraction Date: 01/05/22 20:53
Cleanup Method: EPA 3630
Cleanup Date: 01/06/22
Cleanup Method: EPA 3665A
Cleanup Date: 01/06/22
Cleanup Method: EPA 3660B
Cleanup Date: 01/07/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	662	--	1	A
Aroclor 1221	ND		ug/kg	662	--	1	A
Aroclor 1232	ND		ug/kg	662	--	1	A
Aroclor 1242	ND		ug/kg	331	--	1	A
Aroclor 1248	ND		ug/kg	662	--	1	A
Aroclor 1254	ND		ug/kg	662	--	1	A
Aroclor 1260	ND		ug/kg	662	--	1	A
Aroclor 1262	ND		ug/kg	662	--	1	A
Aroclor 1268	ND		ug/kg	331	--	1	A
PCBs, Total	ND		ug/kg	331	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	105		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: STONE BUILDING
Project Number: 211.06085
Lab Number: L2170256
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170256-04
Client ID: PCB-4
Sample Location: 67 INDEPENDENCE DR.

Date Collected: 12/17/21 15:45
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 01/07/22 02:23
Analyst: CW
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Extraction Method: EPA 3540C
Extraction Date: 01/05/22 20:53
Cleanup Method: EPA 3630
Cleanup Date: 01/06/22
Cleanup Method: EPA 3665A
Cleanup Date: 01/06/22
Cleanup Method: EPA 3660B
Cleanup Date: 01/07/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	656	--	1	A
Aroclor 1221	ND		ug/kg	656	--	1	A
Aroclor 1232	ND		ug/kg	656	--	1	A
Aroclor 1242	ND		ug/kg	328	--	1	A
Aroclor 1248	ND		ug/kg	656	--	1	A
Aroclor 1254	ND		ug/kg	656	--	1	A
Aroclor 1260	ND		ug/kg	656	--	1	A
Aroclor 1262	ND		ug/kg	656	--	1	A
Aroclor 1268	ND		ug/kg	328	--	1	A
PCBs, Total	ND		ug/kg	328	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	145		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	112		30-150	B

Project Name: STONE BUILDING
Project Number: 211.06085
Lab Number: L2170256
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170256-05
Client ID: PCB-5
Sample Location: 67 INDEPENDENCE DR.

Date Collected: 12/17/21 15:50
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 01/07/22 02:32
Analyst: CW
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Extraction Method: EPA 3540C
Extraction Date: 01/05/22 20:53
Cleanup Method: EPA 3630
Cleanup Date: 01/06/22
Cleanup Method: EPA 3665A
Cleanup Date: 01/06/22
Cleanup Method: EPA 3660B
Cleanup Date: 01/07/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	660	--	1	A
Aroclor 1221	ND		ug/kg	660	--	1	A
Aroclor 1232	ND		ug/kg	660	--	1	A
Aroclor 1242	ND		ug/kg	330	--	1	A
Aroclor 1248	ND		ug/kg	660	--	1	A
Aroclor 1254	ND		ug/kg	660	--	1	A
Aroclor 1260	ND		ug/kg	660	--	1	A
Aroclor 1262	ND		ug/kg	660	--	1	A
Aroclor 1268	ND		ug/kg	330	--	1	A
PCBs, Total	ND		ug/kg	330	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	104		30-150	B

Project Name: STONE BUILDING
Project Number: 211.06085
Lab Number: L2170256
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170256-06
Client ID: PCB-6
Sample Location: 67 INDEPENDENCE DR.

Date Collected: 12/17/21 16:00
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 01/07/22 02:41
Analyst: CW
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Extraction Method: EPA 3540C
Extraction Date: 01/05/22 20:53
Cleanup Method: EPA 3630
Cleanup Date: 01/06/22
Cleanup Method: EPA 3665A
Cleanup Date: 01/06/22
Cleanup Method: EPA 3660B
Cleanup Date: 01/07/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	654	--	1	A
Aroclor 1221	ND		ug/kg	654	--	1	A
Aroclor 1232	ND		ug/kg	654	--	1	A
Aroclor 1242	ND		ug/kg	327	--	1	A
Aroclor 1248	ND		ug/kg	654	--	1	A
Aroclor 1254	ND		ug/kg	654	--	1	A
Aroclor 1260	ND		ug/kg	654	--	1	A
Aroclor 1262	ND		ug/kg	654	--	1	A
Aroclor 1268	ND		ug/kg	327	--	1	A
PCBs, Total	ND		ug/kg	327	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	113		30-150	A
Decachlorobiphenyl	126		30-150	A
2,4,5,6-Tetrachloro-m-xylene	116		30-150	B
Decachlorobiphenyl	113		30-150	B

Project Name: STONE BUILDING
Project Number: 211.06085
Lab Number: L2170256
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170256-07
Client ID: PCB-7
Sample Location: 67 INDEPENDENCE DR.

Date Collected: 12/17/21 16:05
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 01/07/22 02:49
Analyst: CW
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Extraction Method: EPA 3540C
Extraction Date: 01/05/22 20:53
Cleanup Method: EPA 3630
Cleanup Date: 01/06/22
Cleanup Method: EPA 3665A
Cleanup Date: 01/06/22
Cleanup Method: EPA 3660B
Cleanup Date: 01/07/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	649	--	1	A
Aroclor 1221	ND		ug/kg	649	--	1	A
Aroclor 1232	ND		ug/kg	649	--	1	A
Aroclor 1242	ND		ug/kg	325	--	1	A
Aroclor 1248	ND		ug/kg	649	--	1	A
Aroclor 1254	ND		ug/kg	649	--	1	A
Aroclor 1260	ND		ug/kg	649	--	1	A
Aroclor 1262	ND		ug/kg	649	--	1	A
Aroclor 1268	ND		ug/kg	325	--	1	A
PCBs, Total	ND		ug/kg	325	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: STONE BUILDING
Project Number: 211.06085
Lab Number: L2170256
Report Date: 01/07/22

SAMPLE RESULTS

Lab ID: L2170256-08
Client ID: PCB-8
Sample Location: 67 INDEPENDENCE DR.

Date Collected: 12/17/21 14:10
Date Received: 12/21/21
Field Prep: Not Specified

Sample Depth:
Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 01/07/22 02:58
Analyst: CW
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Extraction Method: EPA 3540C
Extraction Date: 01/05/22 20:53
Cleanup Method: EPA 3630
Cleanup Date: 01/06/22
Cleanup Method: EPA 3665A
Cleanup Date: 01/06/22
Cleanup Method: EPA 3660B
Cleanup Date: 01/07/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	647	--	1	A
Aroclor 1221	ND		ug/kg	647	--	1	A
Aroclor 1232	ND		ug/kg	647	--	1	A
Aroclor 1242	ND		ug/kg	324	--	1	A
Aroclor 1248	ND		ug/kg	647	--	1	A
Aroclor 1254	ND		ug/kg	647	--	1	A
Aroclor 1260	ND		ug/kg	647	--	1	A
Aroclor 1262	ND		ug/kg	647	--	1	A
Aroclor 1268	ND		ug/kg	324	--	1	A
PCBs, Total	ND		ug/kg	324	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: STONE BUILDING
Project Number: 211.06085

Lab Number: L2170256
Report Date: 01/07/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 01/07/22 04:09
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 01/05/22 12:35
Cleanup Method: EPA 3630
Cleanup Date: 01/06/22
Cleanup Method: EPA 3665A
Cleanup Date: 01/06/22
Cleanup Method: EPA 3660B
Cleanup Date: 01/07/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-08 Batch: WG1591013-1						
Aroclor 1016	ND		ug/kg	585	--	A
Aroclor 1221	ND		ug/kg	585	--	A
Aroclor 1232	ND		ug/kg	585	--	A
Aroclor 1242	ND		ug/kg	292	--	A
Aroclor 1248	ND		ug/kg	585	--	A
Aroclor 1254	ND		ug/kg	585	--	A
Aroclor 1260	ND		ug/kg	585	--	A
Aroclor 1262	ND		ug/kg	585	--	A
Aroclor 1268	ND		ug/kg	292	--	A
PCBs, Total	ND		ug/kg	292	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	97		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: STONE BUILDING

Project Number: 211.06085

Lab Number: L2170256

Report Date: 01/07/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1591013-2 WG1591013-3									
Aroclor 1016	80		74		40-140	8		50	A
Aroclor 1260	82		77		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		79		30-150	A
Decachlorobiphenyl	91		87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		81		30-150	B
Decachlorobiphenyl	84		81		30-150	B

Project Name: STONE BUILDING
Project Number: 211.06085

Lab Number: L2170256
Report Date: 01/07/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2170256-01A	Glass 60ml unpreserved split	A	NA		4.4	Y	Absent		ARCHIVE()
L2170256-01B	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		PCB-8082-CAULK(365)
L2170256-02A	Glass 60ml unpreserved split	A	NA		4.4	Y	Absent		ARCHIVE()
L2170256-02B	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		PCB-8082-CAULK(365)
L2170256-03A	Glass 60ml unpreserved split	A	NA		4.4	Y	Absent		ARCHIVE()
L2170256-03B	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		PCB-8082-CAULK(365)
L2170256-04A	Glass 60ml unpreserved split	A	NA		4.4	Y	Absent		ARCHIVE()
L2170256-04B	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		PCB-8082-CAULK(365)
L2170256-05A	Glass 60ml unpreserved split	A	NA		4.4	Y	Absent		ARCHIVE()
L2170256-05B	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		PCB-8082-CAULK(365)
L2170256-06A	Glass 60ml unpreserved split	A	NA		4.4	Y	Absent		ARCHIVE()
L2170256-06B	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		PCB-8082-CAULK(365)
L2170256-07A	Glass 60ml unpreserved split	A	NA		4.4	Y	Absent		ARCHIVE()
L2170256-07B	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		PCB-8082-CAULK(365)
L2170256-08A	Glass 60ml unpreserved split	A	NA		4.4	Y	Absent		ARCHIVE()
L2170256-08B	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		PCB-8082-CAULK(365)

*Values in parentheses indicate holding time in days

Project Name:	STONE BUILDING	**Lab Number:**	L2170256
Project Number:	211.06085	**Report Date:**	01/07/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	STONE BUILDING	**Lab Number:**	L2170256
Project Number:	211.06085	**Report Date:**	01/07/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report

Project Name:	STONE BUILDING	**Lab Number:**	L2170256
Project Number:	211.06085	**Report Date:**	01/07/22

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

Project Name:	STONE BUILDING	**Lab Number:**	L2170256
Project Number:	211.06085	**Report Date:**	01/07/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 12/21/21

ALPHA Job #: L2170256

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Ransom Consulting LLC
Address: 400 Commercial St. Portland ME 04101
Phone: 207.772-2891
Fax:
Email: ephenix@ransomenv.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Stone Building
Project Location: 67 Independence Dr.
Project #: 211.06085
Project Manager: Erik Phenix
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #: 13487

Regulatory Requirements/Report Limits

State /Fed Program MEDEP/TSCA Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☒ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB's

SAMPLE HANDLING
Filtration
☐ Done ☐ Not needed ☐ Lab to do
Preservation
☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCB's	Sample Specific Comments	TOTAL # BOTTLES
70256-01	PCB-1	12/17/21	15:20	Bulk	IAK	X		
-02	PCB-2	12/17/21	15:30	Bulk	IAK	X		
-03	PCB-3	12/17/21	15:35	Bulk	IAK	X		
-04	PCB-4	12/17/21	15:45	Bulk	IAK	X		
-05	PCB-5	12/17/21	15:50	Bulk	IAK	X		
-06	PCB-6	12/17/21	16:00	Bulk	IAK	X		
-07	PCB-7	12/17/21	16:05	Bulk	IAK	X		
-08	PCB-8	12/17/21	14:10	Bulk	IAK	X		

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	12/21/21 1352		12/21/21 1352
	12/21/21 1950		12/21/21 1950

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

OPTIMUM
Analytical and Consulting, LLC

85 Stiles Road, Suite 201
Salem, NH 03079
603-458-5247

Erik Phenix
Ransom Environmental Consultants, Inc.
400 Commercial Street
Portland ME 04101

Project Reference:	211.06085
Laboratory Batch #:	2141250
Date Samples Received:	12/23/2021
Date Samples Analyzed:	01/04/2022
Date of Final Report:	01/04/2022

SAMPLE IDENTIFICATION:

Fifteen (15) samples from AMHI Facility - South Wing, Augusta, ME project were submitted by Client on 12/23/2021

This bulk sample(s) was delivered to Optimum Analytical Consulting, LLC (Optimum) located in Salem, New Hampshire for asbestos content determination.

ANALYTICAL METHOD:

Analytical procedures were performed in accordance with the U.S. Environmental Protection Agency (EPA) Recommended Method for the Determination of Asbestos in Bulk Samples by Polarized Light Microscopy and Dispersion Staining (PLM/DS)(EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials). This report relates only to those samples analyzed, and may not be indicative of other similar appearing materials existing at this, or other sites. Quantification of asbestos content was determined by Calibrated Visual Estimation. Optimum is not responsible for sample collection activities or analytical method limitations. The laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

In any given material, fibers with a small diameter (<0.25µm) may not be detected by the PLM method. Floor tile and other resinous bound materials may yield a false negative if the asbestos fibers are too small to be resolved using PLM. Additionally, there is currently no approved EPA analytical method to reliably confirm vermiculite as non-asbestos containing. Additional analytical methods may be required. Optimum Analytical recommends using Transmission Electron Microscopy (TEM) or other approved methods for a more definitive analysis.

Optimum will retain all samples for a minimum of three months. Further analysis or return of samples must be requested within this three month period to guarantee their availability. This report may not be reproduced except in full, without the written approval of Optimum Analytical and Consulting, LLC.

The client/laboratory shall not use the NVLAP and AIHA Logo or this test report in a way that constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology or the American Industrial Hygiene Association.

Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Point Count = .25%, 1000 Point Count = 0.1%; Present or Absent are observations made during a qualitative analysis.

This report is considered preliminary until signed by both the Laboratory Analyst and Laboratory Director or Supervisor. If you have any questions regarding this report, please do not hesitate to contact us.

Jamie L. Noel
Laboratory Director

Kristina Scaviola
Laboratory Supervisor

NVLAP Lab ID#: 101433-0

OPTIMUM
Analytical and Consulting, LLC
85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.	**ORDER #:**	2141250
ADDRESS:	400 Commercial Street	**PROJECT #:**	211.06085
CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - South Wing, Augusta, ME	**ANALYSIS DATE:**	01/04/2022
		REPORT DATE:	01/04/2022
		ANALYST:	Jamie Noel

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141250-001 SO-1-01A	South Wing / First Floor / Section I Carpet Mastic, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141250-002 SO-1-01B	South Wing / First Floor / Section I Carpet Mastic, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141250-003 SO-1-01C	South Wing / First Floor / Section I Carpet Mastic, Tan	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141250-004 SO-2-01A	South Wing / Second Floor / Section III 9"x9" Floor Tile, Beige	LAYER 1 100%	Chrysotile	3.48%	Cellulose Fiber Binder/Filler	1% 95.52%
		Total % Asbestos:		3.5%	**Total % Non-Asbestos:**	96.5%
2141250-005 SO-2-01B	South Wing / Second Floor / Section III 9"x9" Floor Tile, Beige Note: Positive Stop	LAYER 1 100%				
2141250-006 SO-2-01C	South Wing / Second Floor / Section III 9"x9" Floor Tile, Beige Note: Positive Stop	LAYER 1 100%				
2141250-007 SO-2-02A	South Wing / Second Floor / Section III Mastic, Black	LAYER 1 100%	Chrysotile	3%	Cellulose Fiber Binder/Filler	1% 96%
		Total % Asbestos:		3.0%	**Total % Non-Asbestos:**	97.0%
2141250-008 SO-2-02B	South Wing / Second Floor / Section III Mastic, Black Note: Positive Stop	LAYER 1 100%				
2141250-009 SO-2-02C	South Wing / Second Floor / Section III Mastic, Black Note: Positive Stop	LAYER 1 100%				

OPTIMUM
Analytical and Consulting, LLC
85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.	**ORDER #:**	2141250
ADDRESS:	400 Commercial Street	**PROJECT #:**	211.06085
CITY / STATE / ZIP:	Portland ME 04101	**DATE COLLECTED:**	
CONTACT:	Erik Phenix	**COLLECTED BY:**	Client
DESCRIPTION:	PLM Analysis	**DATE RECEIVED:**	12/23/2021
LOCATION:	AMHI Facility - South Wing, Augusta, ME	**ANALYSIS DATE:**	01/04/2022
		REPORT DATE:	01/04/2022
		ANALYST:	Jamie Noel

REPORT OF ANALYSIS

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
2141250-010 SO-3-01A	South Wing / Third Floor / Section I Residual Mastic, Black	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141250-011 SO-3-01B	South Wing / Third Floor / Section I Residual Mastic, Black	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141250-012 SO-3-01C	South Wing / Third Floor / Section I Residual Mastic, Black	LAYER 1 100%	None Detected		Cellulose Fiber Binder/Filler	1% 99%
		Total % Asbestos:	No Asbestos Detected		**Total % Non-Asbestos:**	100.0%
2141250-013 SO-3-02A	South Wing / Third Floor / Section III Residual Mastic, Black	LAYER 1 100%	Chrysotile	2.05%	Cellulose Fiber Binder/Filler	1% 96.95%
		Total % Asbestos:		2.1%	**Total % Non-Asbestos:**	98.0%
2141250-014 SO-3-02B	South Wing / Third Floor / Section III Residual Mastic, Black Note: Positive Stop	LAYER 1 100%				
2141250-015 SO-3-02C	South Wing / Third Floor / Section III Residual Mastic, Black Note: Positive Stop	LAYER 1 100%				

Analyst Signatory:
Jamie Noel

NVLAP TESTING
NVLAP Lab Code: 101433-0

OPTIMUM
Analytical and Consulting, LLC
85 Stiles Road, Suite 201, Salem, NH 03079 Phone: (603)-458-5247

BULK SAMPLE ANALYSIS REPORT
POLARIZED LIGHT MICROSCOPY

PLM (EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA-600/ R-93-116 Method for Determination of Asbestos in Bulk Building Materials) NVLAP Lab Code: 101433-0

CLIENT:	Ransom Environmental Consultants, Inc.
ADDRESS:	400 Commercial Street
CITY / STATE / ZIP:	Portland ME 04101
CONTACT:	Erik Phenix
DESCRIPTION:	PLM Analysis
LOCATION:	AMHI Facility - South Wing, Augusta, ME

ORDER #:	2141250
PROJECT #:	211.06085
DATE COLLECTED:	
COLLECTED BY:	Client
DATE RECEIVED:	12/23/2021
ANALYSIS DATE:	01/04/2022
REPORT DATE:	01/04/2022
ANALYST:	Jamie Noel

2141250

Client:	Ransom Consulting, LLC
Contact:	Bonnie A. Best
Address:	112 Corporate Drive, Portsmouth, NH 03801
Phone:	(603) 436-1490
Fax:	(603) 436-6037
Email:	bonnie.best@ransomenv.com ephenix@ransomenv.com
Project:	AMHI Facility - SOUTH WING
Ransom Project #	211.06085
	Augusta, Maine
Client Notes:	**Positive Stop Requested** *Please analyze prepare NOB samples via gravimetric reduction, per MEDEP requirements*
P.O. #.	13492
Date Submitted:	12/22/2021 0:00
Analysis:	Bulk PLM
TurnAroundTime:	**Standard TAT**

Instructions:
Use Column "B" for your contact info

To See an Example Click the bottom Example Tab.

Enter samples between "<<" and ">>"

Begin Samples with a "<< "above the first sample

and end with a ">>" below the last sample.
Only Enter your data on the first sheet "Sheet1"

Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included in the electronic data returned to you to facilitate your reintegration of the report data.

Sample Number	Building/Area	Sample Description
<<		
SO-1-01A	South Wing / First Floor / Section I	Carpet mastic
SO-1-01B	South Wing / First Floor / Section I	Carpet mastic
SO-1-01C	South Wing / First Floor / Section I	Carpet mastic
SO-2-01A	South Wing / Second Floor / Section III	9"x9" vinyl floor tile (beneath "A" tile)
SO-2-01B	South Wing / Second Floor / Section III	9"x9" vinyl floor tile (beneath "A" tile)
SO-2-01C	South Wing / Second Floor / Section III	9"x9" vinyl floor tile (beneath "A" tile)
SO-2-02A	South Wing / Second Floor / Section III	Mastic (black) assoc. w/ SO-2-01A/C
SO-2-02B	South Wing / Second Floor / Section III	Mastic (black) assoc. w/ SO-2-01A/C
SO-2-02C	South Wing / Second Floor / Section III	Mastic (black) assoc. w/ SO-2-01A/C
SO-3-01A	South Wing / Third Floor / Section I	Residual black mastic (thin)
SO-3-01B	South Wing / Third Floor / Section I	Residual black mastic (thin)
SO-3-01C	South Wing / Third Floor / Section I	Residual black mastic (thin)
SO-3-02A	South Wing / Third Floor / Section III	Residual black mastic (thick)
SO-3-02B	South Wing / Third Floor / Section III	Residual black mastic (thick)
SO-3-02C	South Wing / Third Floor / Section III	Residual black mastic (thick)

12-22-21/15:30

OK 12/23/21@ 2:45

Non-Friable Organically Bound Gravimetric Reduction Worksheet

Batch Number: 2141250 Prep Date: 12/28/2021 Prep Analyst: Melanie Guzman Cintron

Sample ID:	Crucible ID	Crucible Weight **A**	Sample Weight **B**	Crucible + Ashed Sample **C**	Ashed Sample Weight **D= (C-A)**	% Reduction of Sample: **(D/B)*100**	Filter Weight **G**	Ashed Sub-Sample Weight **H**	Filtered Sample Weight **I**	Acid Insoluble Inorganic Weight : **J= I-G**	% Reduction **k= (J*100)/H**	CVE % Asbestos in Residue	% Asbestos =(**K* CVE % Asb)/100**	Asbestos Type
SO-1-01A	401	14.757	0.140	14.851	0.094	67.14%	0.014	0.094	0.056	0.042	44.68%	0.00%	0.00%	NAD
SO-1-01B	438	13.738	0.132	13.828	0.09	68.18%	0.015	0.090	0.029	0.014	15.56%	0.00%	0.00%	NAD
SO-1-01C	498	13.694	0.129	13.782	0.088	68.22%	0.018	0.088	0.03	0.012	13.64%	0.00%	0.00%	NAD
SO-2-01A	419	14.391	0.102	14.47	0.079	77.45%	0.014	0.079	0.058	0.044	55.70%	6.25%	3.48%	Chry
SO-2-02A	443	11.588	0.012	11.595	0.007	58.33%	0.011	0.007	0.014	0.003	42.86%	7.00%	3.00%	Chry
SO-3-01A	415	12.492	0.097	12.518	0.026	26.80%	0.012	0.026	0.026	0.014	53.85%	0.00%	0.00%	NAD
SO-3-01B	421	14.223	0.056	14.233	0.01	17.86%	0.013	0.010	0.022	0.009	90.00%	0.00%	0.00%	NAD
SO-3-01C	473	13.510	0.057	13.516	0.006	10.53%	0.013	0.006	0.018	0.005	83.33%	0.00%	0.00%	NAD
SO-3-02A	486	12.305	0.145	12.327	0.022	15.17%	0.013	0.022	0.025	0.012	54.55%	3.75%	2.05%	Chry

ATTACHMENT C

Lead-based Paint Determination Table

Former Maine State Hospital: Stone Building

67 Independence Drive, Augusta, Maine

Gale Associates Inc.

Abatement of the Stone Building

67 Independence Drive, Augusta Maine

AQM Project #07-363

LEAD BASED PAINT SUMMARY SHEETS

AQM

Location	Room	Wall	Building Item	Material	Color	Reading	Result
Calibration						1.0	Positive
Reference						-0.2	Negative
Level I Admin. Building	108	A, B, D	Upper Wall	Plaster	Blue	>9.9	Positive
Level I Admin. Building	108	A, B, D	Lower Wall	Wood	White	0.0	Negative
Level I Admin. Building	108	A, B, D	Chair Rail	Wood	White	0.0	Negative
Level I Admin. Building	108		Ceiling	Wood	White	0.0	Negative
Level I Admin. Building	108	D1	Window Trim	Wood	White	0.0	Negative
Level I Admin. Building	108	D1	Window Sill	Wood	White	0.0	Negative
Level I Admin. Building	108	D1	Window Sash	Wood	White	7.9	Positive
Level I Admin. Building	108	D1	Window Stop	Wood	White	0.0	Negative
Level I Admin. Building	108	D2, A	Window Trim	Wood	White	0.0	Negative
Level I Admin. Building	108	D2, A	Window Sill	Wood	White	0.0	Negative
Level I Admin. Building	108	D2, A	Window Sash	Wood	White	8.7	Positive
Level I Admin. Building	108	D2, A	Window Stop	Wood	White	0.0	Negative
Level I Admin. Building	108	A1	Window	Plywood	White	0.0	Negative
Level I Admin. Building	108	B	Wall	Gypsum	Green	0.0	Negative
Level I Admin. Building	108	B	Closet Trim	Wood	White	0.0	Negative
Level I Admin. Building	108	B	Closet Door	Metal	Blue	0.0	Negative
Level I Admin. Building	108	B	Door Trim	Wood	White	0.0	Negative
Level I Admin. Building	108	B	Door Stop	Wood	White	0.0	Negative
Level I Admin. Building	108	B	Door	Wood	White	0.0	Negative
Level I Admin. Building	108	B	Door	Wood	Blue	0.0	Negative
Level I Admin. Building	108	C	Door Trim	Wood	White	0.0	Negative
Level I Admin. Building	108	C	Door Stop	Wood	Natural	0.0	Negative
Level I Admin. Building	108	C	Door	Wood	Natural	0.0	Negative
Level I Admin. Building	108	C	Lower Wall Trim	Wood	White	0.0	Negative
Level I Admin. Building	108	D	Mantle	Wood	Black	0.0	Negative
Level I Admin. Building	108	D	Mantle Post	Wood	Black	0.0	Negative
Level I Admin. Building	108	D	Mantle Trim	Wood	Black	0.0	Negative
Level I Admin. Building	108	D	Safe Door	Metal	Black	>9.9	Positive
Level I Admin. Building	108		Floor VAT	Vinyl	Tan	0.0	Negative
Level I Admin. Building	107	A, B, D	Upper Wall	Wallpaper	Blue	>9.9	Positive
Level I Admin. Building	107	B	Upper Wall	Gypsum	Blue	0.0	Negative
Level I Admin. Building	107	A, C, D	Chair Rail	Wood	White	0.0	Negative
Level I Admin. Building	107	A, C, D	Lower Wall	Wood	White	0.0	Negative
Level I Admin. Building	107	A, C, D	Floor Trim	Wood	White	0.0	Negative
Level I Admin. Building	107		Ceiling	Plaster	White	>9.9	Positive
Level I Admin. Building	107	B	Door Trim	Metal	White	0.0	Negative
Level I Admin. Building	107		Door	Wood	Natural	0.0	Negative
Level I Admin. Building	107	D	Door Trim	Wood	White	0.0	Negative
Level I Admin. Building	107	D	Threshold	Wood	Natural	0.0	Negative
Level I Admin. Building	107	A	Window Trim	Wood	White	0.0	Negative
Level I Admin. Building	107	A	Window Sill	Wood	White	0.0	Negative
Level I Admin. Building	107	A	Window Sash	Wood	White	6.3	Positive
Level I Admin. Building	107	A	Window Stop	Wood	White	0.0	Negative
Level I Admin. Building	107	A	Window Plywood	Wood	White	0.0	Negative
Level I Admin. Building	107	A	Floor	Tile	Vinyl	0.0	Negative
Level I Admin. Building	107 Hallway	B, C	Upper Wall	Plaster	Beige	9.9	Positive
Level I Admin. Building	107 Hallway	D, A	Wall	Gypsum	Beige	0.0	Negative
Level I Admin. Building	107 Hallway	B, C	Chair Rail	Wood	Purple	0.0	Negative
Level I Admin. Building	107 Hallway	B, C	Lower Wall	Wood	Beige	0.0	Negative
Level I Admin. Building	107 Hallway	A,B,C,D	Floor Trim	Wood	Beige	0.0	Negative
Level I Admin. Building	107 Hallway	B	Door Trim	Wood	Beige	0.0	Negative
Level I Admin. Building	107 Hallway	B	Door Stop	Wood	Beige	0.0	Negative
Level I Admin. Building	107 Hallway	B	Door	Wood	Natural	0.0	Negative
Level I Admin. Building	107 Hallway	C	Door Trim	Wood	Beige	0.0	Negative
Level I Admin. Building	107 Hallway	C	Door Stop	Wood	Beige	0.0	Negative
Level I Admin. Building	107 Hallway	C	Door	Wood	White	0.0	Negative
Level I Admin. Building	107 Hallway		Ceiling	Gypsum	White	0.0	Negative
Level I Admin. Building	107 Hallway		Floor	Vinyl	Beige	0.0	Negative
Level I Admin. Building	107 Hallway	A	Window Trim	Wood	Beige	0.0	Negative
Level I Admin. Building	107 Hallway	A	Window Sill	Wood	Beige	0.0	Negative
Level I Admin. Building	107 Hallway	A	Window Sash	Wood	Beige	7.4	Positive
Level I Admin. Building	107 Hallway	A	Window Stop	Wood	Beige	0.0	Negative

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Location	Room	Wall	Building Item	Material	Color	Reading	Result
Level I Admin. Building	107 Hallway	A	Window Well	Wood	Beige	>9.9	Positive
Level I Admin. Building	107 Hallway	A	Screen Frame	Wood	Beige	0.0	Negative
Level I Admin. Building	Entry Hall	B, D	Wall	Plaster	Beige	0.0	Negative
Level I Admin. Building	Entry Hall	B, D	Floor Trim	Wood	Natural	0.0	Negative
Level I Admin. Building	Entry Hall		Floor	Ceramic		0.0	Negative
Level I Admin. Building	Entry Hall		Ceiling	Gypsum	White	0.0	Negative
Level I Admin. Building	Entry Hall	A,B,C,D	Hall Wall	Plaster	Beige	0.0	Negative
Level I Admin. Building	Entry Hall		Ceiling	Plaster	White	0.0	Negative
Level I Admin. Building	Entry Hall	A,B,C,D	Floor Trim	Wood	Natural	0.0	Negative
Level I Admin. Building	Entry Hall	B, D	Door Trim	Wood	Natural	0.0	Negative
Level I Admin. Building	Entry Hall	B	Door Stop	Wood	Natural	0.0	Negative
Level I Admin. Building	Entry Hall	D	Door	Wood	Natural	0.0	Negative
Level I Admin. Building	Entry Hall		Floor	Vinyl	Beige	0.0	Negative
Level I Admin. Building	Entry Hall		Elevator Door	Metal	Gray	0.0	Negative
Level I Admin. Building	Main Entry Hall	A,B,C,D	Walls	Plaster	Beige	0.0	Negative
Level I Admin. Building	Room 106		Ceiling	Gypsum	White	0.0	Negative
Level I Admin. Building	Room 106	A,B,C,D	Floor Trim	Wood	Natural	0.0	Negative
Level I Admin. Building	Room 106	D	Wall	Gypsum	Beige	0.0	Negative
Level I Admin. Building	Room 106	C, D	Door Trim	Wood	Natural	0.0	Negative
Level I Admin. Building	Room 106	C, D	Door Stop	Wood	Natural	0.0	Negative
Level I Admin. Building	Room 106	C	Door	Wood	Natural	0.0	Negative
Level I Admin. Building	Room 106	B	Window Trim	Wood	Natural	0.0	Negative
Level I Admin. Building	Room 106	A	Window Trim	Wood	Natural	0.0	Negative
Level I Admin. Building	Room 106	A	Window Sill	Wood	Natural	0.0	Negative
Level I Admin. Building	Room 106	A	Window Sash	Wood	Natural	0.0	Negative
Level I Admin. Building	Room 106		Floor	Carpet	Blue	0.0	Negative
Level I Admin. Building	Room 104	A	Wall	Plaster	Blue	>9.9	Positive
Level I Admin. Building	Room 104	B	Wall	Plaster	Blue	0.0	Negative
Level I Admin. Building	Room 104	C	Wall	Plaster	Blue	>9.9	Positive
Level I Admin. Building	Room 104	D	Wall	Plaster	Blue	0.0	Negative
Level I Admin. Building	Room 104		Ceiling	Plaster	White	>9.9	Positive
Level I Admin. Building	Room 104	A,B,C,D	Floor Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 104	A	Window Trim	Wood	White	>9.9	Positive
Level I Admin. Building	Room 104	A	Window Sill	Wood	White	0.0	Negative
Level I Admin. Building	Room 104	A	Window Sash	Wood	White	3.9	Positive
Level I Admin. Building	Room 104	A	Window Stop	Wood	White	0.0	Negative
Level I Admin. Building	Room 104	A	Radiator	Metal	Blue	1.7	Positive
Level I Admin. Building	Room 104	B	Door Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 104	B	Door Stop	Wood	White	0.0	Negative
Level I Admin. Building	Room 104	B	Door	Wood	White	>9.9	Positive
Level I Admin. Building	Room 104	C	Door Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 104	C	Door Stop	Wood	Natural	0.0	Negative
Level I Admin. Building	Room 104	C	Door	Wood	Natural	0.0	Negative
Level I Admin. Building	Room 104	D	Wall/Window Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 104		Floor	Vinyl	Beige	0.0	Negative
Level I Admin. Building	Room 104 Bath	A, B, D	Wall	Gypsum	Green	0.0	Negative
Level I Admin. Building	Room 104 Bath	C	Wall	Plaster	Green	>9.9	Positive
Level I Admin. Building	Room 104 Bath	A,B,C,D	Floor Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 104 Bath	D	Door Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 104 Bath	D	Door Stop	Wood	White	0.0	Negative
Level I Admin. Building	Room 104 Bath	D	Door	Wood	White	>9.9	Positive
Level I Admin. Building	Room 104 Bath		Ceiling	Plaster	White	>9.9	Positive
Level I Admin. Building	Room 104 Bath	D	Ceiling Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 104 Bath		Floor	Vinyl	Various	0.0	Negative
Level I Admin. Building	Room 101	A, B	Wall	Plaster	White	>9.9	Positive
Level I Admin. Building	Room 101	C, D	Wall	Gypsum	White	0.0	Negative
Level I Admin. Building	Room 101	A,B,C,D	Floor Trim	Wood	White	0.2	Negative
Level I Admin. Building	Room 101		Ceil	Plaster	White	>9.9	Positive
Level I Admin. Building	Room 101		Floor	Vinyl	Gray	0.0	Negative
Level I Admin. Building	Room 101	A, B	Window Trim	Wood	White	1.2	Positive
Level I Admin. Building	Room 101	A, B	Window Sill	Wood	White	0.3	Negative
Level I Admin. Building	Room 101	A, B	Window Sash	Wood	White	2.7	Positive
Level I Admin. Building	Room 101	A, B	Window Stop	Wood	White	0.1	Negative
Level I Admin. Building	Room 101	A, B	Radiator	Metal	Silver	1.2	Positive

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Location	Room	Wall	Building Item	Material	Color	Reading	Result
Level I Admin. Building	Room 101	B	Window Wall Shelf	Wood	White	0.0	Negative
Level I Admin. Building	Room 101	A,B,C,D	Ceiling Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 101	B	Corner Trim	Wood	White	>9.9	Positive
Level I Admin. Building	Room 101	C	Door Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 101	C	Door Stop	Wood	White	0.0	Negative
Level I Admin. Building	Room 101	C	Door	Wood	White	>9.9	Positive
Level I Admin. Building	Room 102	A	Wall	Gypsum	White	0.0	Negative
Level I Admin. Building	Room 102	B	Wall	Plaster	White	>9.9	Positive
Level I Admin. Building	Room 102	C	Wall	Plaster	White	>9.9	Positive
Level I Admin. Building	Room 102	D	Wall	Gypsum	White	0.0	Negative
Level I Admin. Building	Room 102		Ceiling	Plaster	White	>9.9	Positive
Level I Admin. Building	Room 102	A,B,C,D	Ceiling Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 102	A,B,C,D	Floor Trim	Wood	White	0.2	Negative
Level I Admin. Building	Room 102	A	Door Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 102	A	Door	Wood	White	1.2	Positive
Level I Admin. Building	Room 102	B	Corner Trim	Wood	White	>9.9	Positive
Level I Admin. Building	Room 102	B	Window Trim	Wood	White	>9.9	Positive
Level I Admin. Building	Room 102	B	Window Sill	Wood	White	0.2	Negative
Level I Admin. Building	Room 102	B	Window Sash	Wood	White	5.3	Positive
Level I Admin. Building	Room 102	B	Outer Sill	Wood	White	2.5	Positive
Level I Admin. Building	Room 102	B	Outer Stop	Wood	White	0.0	Negative
Level I Admin. Building	Room 102		Floor	Vinyl	Gray	0.0	Negative
Level I Admin. Building	Room 102	D	Door Trim	Wood	White	1.6	Positive
Level I Admin. Building	Room 102	D	Door Stop	Wood	Mustard	0.0	Negative
Level I Admin. Building	Room 103 Foyer	A,B,C,D	Walls	Plaster	Gray	0.0	Negative
Level I Admin. Building	Room 103 Foyer	B	Door Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 103 Foyer	B	Door Stop	Wood	White	0.0	Negative
Level I Admin. Building	Room 103 Foyer	B	Door	Wood	Blue	0.0	Negative
Level I Admin. Building	Room 103 Foyer	C	Window Trim	Wood	blue	3.0	Positive
Level I Admin. Building	Room 103 Foyer	C	Window Sill	Wood	blue	2.1	Positive
Level I Admin. Building	Room 103 Foyer	C	Ceiling	Wood	blue	>9.9	Positive
Level I Admin. Building	Room 103 Foyer	B	Upper Door	Plywood	White	0.0	Negative
Level I Admin. Building	Room 103	A, C	Wall	Wood	Gray	>9.9	Positive
Level I Admin. Building	Room 103	B, D	Wall	Wood	Gray	0.0	Negative
Level I Admin. Building	Room 103	A,B,C,D	Floor Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 103	A	Door Trim	Wood	Mustard	0.0	Negative
Level I Admin. Building	Room 103	A	Door Stop	Wood	Mustard	0.0	Negative
Level I Admin. Building	Room 103	A	Door	Wood	Natural	0.0	Negative
Level I Admin. Building	Room 103	D	Door Trim	Wood	Natural	0.0	Negative
Level I Admin. Building	Room 103	D	Door Stop	Wood	Natural	0.0	Negative
Level I Admin. Building	Room 103		Floor	Vinyl	Beige	0.0	Negative
Level I Admin. Building	Room 103		Ceiling	Plaster	White	>9.9	Positive
Level I Admin. Building	Room 103	C	Cabinet	Wood	Natural	0.0	Negative
Level I Admin. Building	Room 103	D	Window	Wood	Natural	0.0	Negative
Level I Admin. Building	Room 103	D	Radiator	Metal	White	0.3	Negative
Level I Admin. Building	Room 105A	A	Wall	Plaster	Blue	0.0	Negative
Level I Admin. Building	Room 105A	B	Wall	Plaster	Blue	8.9	Positive
Level I Admin. Building	Room 105A	C	Wall	Plaster	Blue	0.0	Negative
Level I Admin. Building	Room 105A	D	Wall	Gypsum	Blue	0.0	Negative
Level I Admin. Building	Room 105A	A,B,C,D	Floor Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 105A	A	Window Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 105A	A	Window Sill	Wood	White	0.0	Negative
Level I Admin. Building	Room 105A	A	Window Apron	Wood	White	0.0	Negative
Level I Admin. Building	Room 105A	A	Window	Plywood	Blue	0.0	Negative
Level I Admin. Building	Room 105A		Ceiling	Homosote		0.0	Negative
Level I Admin. Building	Room 105A		Floor	Vinyl	Beige	0.0	Negative
Level I Admin. Building	Room 105A	D	Door Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 105A	D	Door Stop	Wood	White	0.0	Negative
Level I Admin. Building	Room 105	A, C	Wall	Plaster	Blue	>9.9	Positive
Level I Admin. Building	Room 105	D	Wall	Plaster	Blue	1.4	Positive
Level I Admin. Building	Room 105	B	Wall	Plaster	Blue	0.0	Negative
Level I Admin. Building	Room 105	B	Wall	Gypsum	Blue	0.0	Negative
Level I Admin. Building	Room 105	A,B,C,D	Floor Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 105	B	Door Trim	Wood	White	0.0	Negative

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Location	Room	Wall	Building Item	Material	Color	Reading	Result
Level I Admin. Building	Room 105	C1	Window Stop	Wood	White	0.0	Negative
Level I Admin. Building	Room 105	C1	Window Sash	Wood	White	0.2	Negative
Level I Admin. Building	Room 105	C1	Window Sill	Wood	White	0.0	Negative
Level I Admin. Building	Room 105	C2	Window Stop	Wood	White	>9.9	Positive
Level I Admin. Building	Room 105	C2	Window Sash	Wood	White	0.3	Negative
Level I Admin. Building	Room 105	C2	Window Sill	Wood	White	>9.9	Positive
Level I Admin. Building	Room 105	C1	Window Trim	Wood	White	>9.9	Positive
Level I Admin. Building	Room 105	C1	Window Outer Sill	Wood	White	>9.9	Positive
Level I Admin. Building	Room 105	A	Door Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 105	A	Door Stop	Wood	White	0.0	Negative
Level I Admin. Building	Room 105	A	Door	Wood	Natural	0.0	Negative
Level I Admin. Building	Room 105	A	Ceiling Tile	Homosote	White	0.0	Negative
Level I Admin. Building	Room 105	A	Floor	Carpet	Various	0.4	Negative
Level I Admin. Building	Front Hall	A	Wall	Plaster	Blue	>9.9	Positive
Level I Admin. Building	Front Hall	B	Wall	Gypsum	Blue	0.0	Negative
Level I Admin. Building	Front Hall	C1	Wall	Plaster	Blue	>9.9	Positive
Level I Admin. Building	Front Hall	D	Wall	Gypsum	Blue	0.0	Negative
Level I Admin. Building	Front Hall	A1,A2,A3	Door Trim	Wood	Natural	0.0	Negative
Level I Admin. Building	Front Hall	B1,C1,D	Door Stop	Wood	Natural	0.0	Negative
Level I Admin. Building	Front Hall	A1, A2	Door	Wood	Natural	0.0	Negative
Level I Admin. Building	Front Hall	A3, C1	Door	Wood	Natural	0.0	Negative
Level I Admin. Building	Front Hall	B	Door	Wood	Natural	0.0	Negative
Level I Admin. Building	Front Hall	C2	Door Trim	Metal	Natural	0.3	Negative
Level I Admin. Building	Front Hall	C2	Door	Wood	Natural	0.0	Negative
Level I Admin. Building	Front Hall		Ceiling	Gypsum	White	0.0	Negative
Level I Admin. Building	Front Hall		Floor	Vinyl	Beige	0.0	Negative
Level I Admin. Building	Front Hall	A,B,C,D	Floor Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 109	A, C	Wall	Plaster	Blue	>9.9	Positive
Level I Admin. Building	Room 109	B, D	Wall	Gypsum	Blue	0.0	Negative
Level I Admin. Building	Room 109	A	Door Trim	Wood	Natural	0.0	Negative
Level I Admin. Building	Room 109	A	Door Stop	Wood	Natural	0.0	Negative
Level I Admin. Building	Room 109	A	Door	Wood	Natural	0.0	Negative
Level I Admin. Building	Room 109	B	Door Trim	Wood	Natural	0.0	Negative
Level I Admin. Building	Room 109	B	Door Stop	Wood	Natural	0.0	Negative
Level I Admin. Building	Room 109	B	Door	Wood	Natural	0.0	Negative
Level I Admin. Building	Room 109	A,B,C,D	Floor Trim	Wood	Brown	0.0	Negative
Level I Admin. Building	Room 109		Ceiling	Gypsum	White	0.0	Negative
Level I Admin. Building	Room 109		Floor	Vinyl	Various	0.0	Negative
Level I Admin. Building	Room 109 Foyer	A,B,C,D	Wall	Plaster	Blue	0.0	Negative
Level I Admin. Building	Room 109 Foyer	D	Door Trim	Wood	Blue	0.0	Negative
Level I Admin. Building	Room 109 Foyer	D	Door	Wood	Beige	0.0	Negative
Level I Admin. Building	Room 109 Foyer	D	Door Stop	Wood	Beige	0.0	Negative
Level I Admin. Building	Room 109 Foyer		Ceiling	Plaster	White	>9.9	Positive
Level I Admin. Building	Room 110B	A	Wall	Gypsum	Beige	0.0	Negative
Level I Admin. Building	Room 110B	B	Wall	Gypsum	Beige	0.0	Negative
Level I Admin. Building	Room 110B	C	Wall	Gypsum	Beige	0.0	Negative
Level I Admin. Building	Room 110B	D1	Sink Wall	Gypsum	Beige	0.0	Negative
Level I Admin. Building	Room 110B	D2	Wall	Plaster	Beige	0.0	Negative
Level I Admin. Building	Room 110B	B	Door Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 110B	B	Door Stop	Wood	White	0.0	Negative
Level I Admin. Building	Room 110B	B	Door	Wood	White	0.0	Negative
Level I Admin. Building	Room 110B	A,B,C,D	Floor Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 110B		Floor	Vinyl	Various	0.0	Negative
Level I Admin. Building	Room 110B		Ceiling	Gypsum	White	0.0	Negative
Level I Admin. Building	Room 110A	A	Wall	Plaster	Beige	1.1	Positive
Level I Admin. Building	Room 110A	B	Wall	Gypsum	Beige	0.0	Negative
Level I Admin. Building	Room 110A	C	Wall	Plaster	Beige	0.0	Negative
Level I Admin. Building	Room 110A	D	Wall	Gypsum	Beige	0.0	Negative
Level I Admin. Building	Room 110A	A	Door Casing	Metal	White	0.0	Negative
Level I Admin. Building	Room 110A	B, D	Door Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 110A	B, D	Door Stop	Wood	White	0.0	Negative
Level I Admin. Building	Room 110A	B, D	Door	Wood	White	0.0	Negative
Level I Admin. Building	Room 110A	A,B,C,D	Floor Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 110A		Ceiling	Gypsum	White	0.0	Negative

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Location	Room	Wall	Building Item	Material	Color	Reading	Result
Level I Admin. Building	Room 110A		Floor	Vinyl	Various	0.0	Negative
Level I Admin. Building	Room 110A	C	Closet Door	Wood	White	0.0	Negative
Level I Admin. Building	Room 110A	C	Closet Door Casing	Wood	White	0.0	Negative
Level I Admin. Building	Room 110A	C	Closet Door Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 110A	C	Closet Wall	Plaster	White	0.0	Negative
Level I Admin. Building	Room 110A	C	Closet Shelf	Wood	White	0.0	Negative
Level I Admin. Building	Room 110A	C1, C2	Window Outer Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 110A	C1, C2	Window Outer Sill	Wood	White	0.0	Negative
Level I Admin. Building	Room 110A	C1, C2	Window Innder Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 110A	C1, C2	Window Inner Sill	Wood	White	0.0	Negative
Level I Admin. Building	Room 110A	C1, C2	Window Inner Sash	Wood	White	2.2	Positive
Level I Admin. Building	Room 110A	C1, C2	Window Inner Stop	Wood	White	0.0	Negative
Level I Admin. Building	Room 111	A	Wall	Plaster	Beige	1.0	Positive
Level I Admin. Building	Room 111	B	Wall	Plaster	Beige	0.0	Negative
Level I Admin. Building	Room 111	C	Wall	Plaster	Beige	1.3	Positive
Level I Admin. Building	Room 111	D	Wall	Gypsum	Beige	0.0	Negative
Level I Admin. Building	Room 111		Ceiling	Gypsum	White	0.0	Negative
Level I Admin. Building	Room 111		Floor	Vinyl	Various	0.0	Negative
Level I Admin. Building	Room 111	D	Floor Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 111	C	Floor Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 111	D	Door Trim/Door	Wood	White	0.0	Negative
Level I Admin. Building	Room 111	A	Door Trim/Door	Wood	White	0.0	Negative
Level I Admin. Building	Room 111	C	Door Trim	Wood	White	0.0	Negative
Level I Admin. Building	Room 111	C	Door Stop	Wood	White	0.0	Negative
Level I Admin. Building	Room 111	C	Door	Wood	White	0.0	Negative
Level I Admin. Building	Middle Hall	B	Closet Wall	Plaster	White	0.0	Negative
Level I Admin. Building	Middle Hall	B, D	Wall	Wood	Natural	0.0	Negative
Level I Admin. Building	Middle Hall	D	Wall	Gypsum	Blue	0.0	Negative
Level I Admin. Building	Middle Hall	D	Wall	Plaster	Blue	0.0	Negative
Level I Admin. Building	Middle Hall	B	Wall	Plaster	Blue	>9.9	Positive
Level I Admin. Building	Middle Hall	B, D	Floor Trim	Wood	White	0.0	Negative
Level I Admin. Building	Middle Hall	D	Baseboard Heat	Metal	Blue	0.0	Negative
Level I Admin. Building	Middle Hall		Ceiling	Gypsum	White	0.0	Negative
Level I Admin. Building	Middle Hall		Floor	Vinyl	Various	0.0	Negative
Level I Admin. Building	Middle Hall	B	Door Trim	Wood	White	0.0	Negative
Level I Admin. Building	Middle Hall	B	Door Stop	Wood	White	0.0	Negative
Level I Admin. Building	Middle Hall	B	Door	Wood	White	0.0	Negative
Level I Admin. Building	Back Hall	A	Wall	Plaster	Blue	0.0	Negative
Level I Admin. Building	Back Hall	B	Wall	Plaster	Blue	0.0	Negative
Level I Admin. Building	Back Hall	C	Wall	Plaster	Blue	0.3	Negative
Level I Admin. Building	Back Hall	D	Wall	Plaster	Blue	0.0	Negative
Level I Admin. Building	Back Hall		Ceiling	Gypsum	White	0.0	Negative
Level I Admin. Building	Back Hall	A1-4	Window Sill	Wood	White	0.1	Negative
Level I Admin. Building	Back Hall	A1-4	Window Apron	Wood	White	0.0	Negative
Level I Admin. Building	Back Hall	A1-4	Window Grate	Metal	White	0.0	Negative
Level I Admin. Building	Back Hall	A3, A4	Window Screen Trim	Wood	White	0.0	Negative
Level I Admin. Building	Back Hall	A3, A4	Radiator	Metal	Silver	0.0	Negative
Level I Admin. Building	Back Hall	C1-6	Window Trim	Wood	White	0.0	Negative
Level I Admin. Building	Back Hall	C1-6	Window Outer Chasing	Wood	White	0.2	Negative
Level I Admin. Building	Back Hall	C1-6	Window Stop	Wood	White	0.0	Negative
Level I Admin. Building	Back Hall	C1-6	Window Sash	Wood	White	0.0	Negative
Level I Admin. Building	Back Hall	C1-6	Window Sill	Wood	White	0.0	Negative
Level I Admin. Building	Back Hall	C1-6	Window Screen Trim	Metal	White	0.0	Negative
Level I Admin. Building	Back Hall	B, D	Door	Metal	White	0.0	Negative
Level I Admin. Building	Back Hall	B, D	Door Chasing	Metal	White	0.0	Negative
Level II Admin. Building	Room 202	A	Upper Wall	Plaster	White	0.3	Negative
Level II Admin. Building	Room 202	B	Upper Wall	Plaster	White	0.0	Negative
Level II Admin. Building	Room 202	C	Upper Wall	Plaster	White	0.3	Negative
Level II Admin. Building	Room 202	D	Upper Wall	Plaster	White	0.1	Negative
Level II Admin. Building	Room 202	A,B,C,D	Lower Wall	Wood	Natural	0.0	Negative
Level II Admin. Building	Room 202		Floor	Wood	Natural	0.0	Negative
Level II Admin. Building	Room 202		Ceiling	Plaster	White	0.5	Negative
Level II Admin. Building	Room 202		Ceiling	Wood	Natural	0.0	Negative
Level II Admin. Building	Room 202	A & D1-2	Window Sash	Wood	Tan	2.0	Positive

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Location	Room	Wall	Building Item	Material	Color	Reading	Result
Level II Admin. Building	Room 202	D	Fireplace Heath	Ceramic	Red	0.0	Negative
Level II Admin. Building	Room 202	D	Fireplace Brick	Brick	Beige	0.0	Negative
Level II Admin. Building	Room 204	A,B,C,D	Walls	Plaster	White	>9.9	Positive
Level II Admin. Building	Room 204	A,B,C,D	Floor Trim	Wood	White	>9.9	Positive
Level II Admin. Building	Room 204	C	Door Trim	Wood	White	>9.9	Positive
Level II Admin. Building	Room 204	C	Door Chasing	Wood	White	>9.9	Positive
Level II Admin. Building	Room 204	C	Door	Wood	White	>9.9	Positive
Level II Admin. Building	Room 204	B	Door Trim	Wood	White	0.0	Negative
Level II Admin. Building	Room 204	B	Door Chasing	Wood	White	0.0	Negative
Level II Admin. Building	Room 204	B	Door	Wood	White	0.0	Negative
Level II Admin. Building	Room 204	A1, A2	Window Trim	Wood	White	4.3	Positive
Level II Admin. Building	Room 204	A1, A2	Window Sill	Wood	White	1.3	Positive
Level II Admin. Building	Room 204	A1, A2	Window Sash	Wood	White	>9.9	Positive
Level II Admin. Building	Room 204	A	Fireplace Trim	Wood	White	>9.9	Positive
Level II Admin. Building	Room 204	A,B,C,D	Ceiling Trim	Wood	White	>9.9	Positive
Level II Admin. Building	Room 206A	A	Wall	Wood	Natural	0.0	Negative
Level II Admin. Building	Room 206A	B	Wall	Plaster	White	0.0	Negative
Level II Admin. Building	Room 206A	C	Wall	Plaster	White	0.0	Negative
Level II Admin. Building	Room 206A	D	Wall	Plaster	Yellow	0.0	Negative
Level II Admin. Building	Room 206A	B, D	Door Trim	Wood	Natural	0.0	Negative
Level II Admin. Building	Room 206A	B, D	Door Chasing	Wood	Natural	0.0	Negative
Level II Admin. Building	Room 206A	B, D	Door	Wood	Natural	0.0	Negative
Level II Admin. Building	Room 206A		Floor	Wood	Natural	0.0	Negative
Level II Admin. Building	Room 206A	A,B,C,D	Floor Trim	Wood	Natural	0.0	Negative
Level II Admin. Building	Room 206A		Ceiling	Gypsum	White	0.0	Negative
Level II Admin. Building	Room 206	A,B,C,D	Middle Wall	Plaster	Pink	>9.9	Positive
Level II Admin. Building	Room 206	A,B,C,D	Lower Wall	Wood	Natural	0.0	Negative
Level II Admin. Building	Room 206	A,B,C,D	Upper Wall	Plaster	Various	>9.9	Positive
Level II Admin. Building	Room 206		Ceiling	Plaster	Various	>9.9	Positive
Level II Admin. Building	Room 206	A1, A2	Window Sash	Wood	Brown	>9.9	Positive
Level II Admin. Building	Room 206	A1, A2	Windowh Chasing	Wood	Natural	0.0	Negative
Level II Admin. Building	Room 206	A1, A2	Fireplace	Ceramic	Red	>9.9	Positive
Level II Admin. Building	Room 206	A1, A2	Radiator	Metal	Brown	0.5	Negative
Level II Admin. Building	Room 208	A,B,C,D	Wall	Plaster	White	>9.9	Positive
Level II Admin. Building	Room 208	A1, B1-2	Window Sash	Wood	Green	>9.9	Positive
Level II Admin. Building	Room 208	A1, B1-2	Window Chasing	Wood	Green	>9.9	Positive
Level II Admin. Building	Room 208	A1, B1-2	Window Trim	Wood	Green	>9.9	Positive
Level II Admin. Building	Room 208	A1, B1-2	Window Sill	Wood	Green	0.0	Negative
Level II Admin. Building	Room 208	A1, B1-2	Window Wall Trim	Wood	Green	0.0	Negative
Level II Admin. Building	Room 208	A1, B1-2	Window Stop	Wood	Green	>9.9	Positive
Level II Admin. Building	Room 208	A1, B1-2	Window Lower Wall	Wood	Green	0.0	Negative
Level II Admin. Building	Room 208	A,B,C,D	Floor Trim	Wood	Green	2.6	Positive
Level II Admin. Building	Room 208	B	Mantle Corner	Wood	Green	>9.9	Positive
Level II Admin. Building	Room 208		Ceiling	Plaster	White	0.0	Negative
Level II Admin. Building	Room 208	A,B,C,D	Ceiling Trim	Wood	Green	0.0	Negative
Level II Admin. Building	Room 208	C1, D1	Door Trim	Wood	Green	>9.9	Positive
Level II Admin. Building	North Hall	A,B,C	Upper Wall	Plaster	White	>9.9	Positive
Level II Admin. Building	North Hall	D	Upper Wall	Gypsum	White	0.0	Negative
Level II Admin. Building	North Hall	A,B,C,D	Lower Wall	Wood	Natural	0.0	Negative
Level II Admin. Building	North Hall		Ceiling	Plaster	White	>9.9	Positive
Level II Admin. Building	North Hall	A1, A2, C1-3	Door Trim	Wood	Natural	0.0	Negative
Level II Admin. Building	North Hall	A1,A2,C1-3	Door	Wood	Natural	0.0	Negative
Level II Admin. Building	North Hall	B	Door Chasing	Metal	White	0.0	Negative
Level II Admin. Building	North Hall		Floor	Vinyl	Various	0.0	Negative
Level II Admin. Building	Room 211A	A,B,C,D	Upper Wall		White	0.0	Negative
Level II Admin. Building	Room 211A		Floor	Ceramic	Various	0.0	Negative
Level II Admin. Building	Room 211A		Ceiling	Plaster	White	0.0	Negative
Level II Admin. Building	Room 211	D, C	Wall	Plaster	White	>9.9	Positive
Level II Admin. Building	Room 211	A, B	Wall	Plaster	White	0.0	Negative
Level II Admin. Building	Room 211		Ceiling	Plaster	White	0.0	Negative
Level II Admin. Building	Room 211		Floor	Wood	White	0.0	Negative
Level II Admin. Building	Room 209	A,B,C,D	Wall	Plaster	White	>9.9	Positive
Level II Admin. Building	Room 209		Ceiling	Plaster	White	0.0	Negative
Level II Admin. Building	Room 209		Floor	Vinyl	Various	0.0	Negative

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Location	Room	Wall	Building Item	Material	Color	Reading	Result
Level II Admin. Building	Room 207	A,B,C,D	Wall	Plaster	White	>9.9	Positive
Level II Admin. Building	Room 207	C	Heat Radiator	Metal	White	3.2	Positive
Level II Admin. Building	Room 207		Ceiling	Plaster	White	0.0	Negative
Level II Admin. Building	Middle Hall	D	Wall	Plaster	Beige	>9.9	Positive
Level II Admin. Building	Middle Hall	C	Wall	Plaster	Blue	>9.9	Positive
Level II Admin. Building	Middle Hall		Ceiling	Plaster	White	>9.9	Positive
Level II Admin. Building	Middle Hall	C	Door Casing	Metal	White	0.0	Negative
Level II Admin. Building	Room 203	A,B,C,D	Wall	Plaster	White	>9.9	Positive
Level II Admin. Building	Room 203	A	Door Trim	Wood	Pink	>9.9	Positive
Level II Admin. Building	Room 203	A	Floor Trim	Wood	Pink	>9.9	Positive
Level II Admin. Building	Room 203	C	Window Sash	Wood	Pink	>9.9	Positive
Level II Admin. Building	Room 203	C	Window Trim	Wood	Pink	>9.9	Positive
Level II Admin. Building	Room 203		Ceiling	Plaster	White	>9.9	Positive
Level II Admin. Building	Room 203	C	Closet Wall	Plaster	Pink	>9.9	Positive
Level II Admin. Building	Room 201	A,B,C,D	Wall	Plaster	White	>9.9	Positive
Level II Admin. Building	Room 201	C	Window Sash	Wood	White	>9.9	Positive
Level II Admin. Building	Room 201		Ceiling	Plaster	White	>9.9	Positive
Level II Admin. Building	Room 210 & Room 210A	A,B,C,D	Walls	Plaster	White	>9.9	Positive
Level II Admin. Building	Room 210 & Room 210A		Ceiling	Plaster	White	>9.9	Positive
Level II Admin. Building	South Hall	A,B,C,D	Upper Wall	Plaster	White	>9.9	Positive
Level II Admin. Building	South Hall	D	Door	Metal	Yellow	0.0	Negative
Level II Admin. Building	South Hall	D	Door Trim	Metal	Yellow	0.0	Negative
Level II Admin. Building	Room 302	A,B,C,D	Walls	Plaster	Yellow	0.0	Negative
Level II Admin. Building	Room 302	A, D1-2	Window Trim	Wood	White	>9.9	Positive
Level II Admin. Building	Room 302	A, D1-2	Window Sash	Wood	White	>9.9	Positive
Level II Admin. Building	Room 302	C	Door	Wood	White	>9.9	Positive
Level II Admin. Building	Room 302	C	Door Trim	Wood	White	>9.9	Positive
Level II Admin. Building	Room 302	C	Floor Trim	Wood	White	>9.9	Positive
Level II Admin. Building	Room 302	B	Slider Door	Wood	White	>9.9	Positive
Level II Admin. Building	Room 304		Ceiling	Plaster	White	8.7	Positive
Level II Admin. Building	Room 304	A,B,C,D	Wall	Plaster	White	0.0	Negative
Level II Admin. Building	Room 304	B, C	Door	Wood	White	>9.9	Positive
Level II Admin. Building	Room 304	B, C	Door Trim	Wood	White	>9.9	Positive
Level II Admin. Building	Room 306	A,B,C,D	Wall	Plaster	Yellow	>9.9	Positive
Level II Admin. Building	Room 306		Ceiling	Plaster	White	>9.9	Positive
Level II Admin. Building	Room 306	C, D	Door	Wood	White	>9.9	Positive
Level II Admin. Building	Room 306	C, D	Door Trim	Wood	White	>9.9	Positive
Level II Admin. Building	Room 306	A1-2	Window Trim	Wood	White	>9.9	Positive
Level II Admin. Building	Room 306	A1-2	Window Sash	Wood	White	>9.9	Positive
Level II Admin. Building	Room 306	A	Floor Trim	Wood	White	>9.9	Positive
Level II Admin. Building	Room 306	A	Fireplace Hearth	Ceramic	Yellow	>9.9	Positive
Level II Admin. Building	Room 306	A	Fireplace Mantle	Wood	White	>9.9	Positive
Level II Admin. Building	Room 308	A, C, D	Wall	Plaster	Gray	0.0	Negative
Level II Admin. Building	Room 308	B	Wall	Plaster	Gray	>9.9	Positive
Level II Admin. Building	Room 308		Ceiling	Plaster		>9.9	Positive
Level II Admin. Building	Room 308	Various	Wood Trims	Wood	White	>9.9	Positive
Level II Admin. Building	Room 309	A,B,C,D	Walls	Plaster	Blue & Yellow	>9.9	Positive
Level II Admin. Building	Room 309 Hall	Various	Trims	Wood	White	>9.9	Positive
Level II Admin. Building	Room 309 Bath	A,B,C,D	Lower Walls	Ceramic	White	3.0	Positive
Level II Admin. Building	Room 309 Bath	A,B,C,D	Upper Walls	Plaster	Blue	>9.9	Positive
Level II Admin. Building	Room 309 Bath	C	Window Trim	Wood	Blue	>9.9	Positive
Level II Admin. Building	Room 309 Bath	C	Window Sash	Wood	Blue	>9.9	Positive
Level II Admin. Building	Room 309 Bath	B	Door Trim	Wood	Blue	>9.9	Positive
Level II Admin. Building	North Hall	A,B,C,D	Walls	Plaster	White	>9.9	Positive
Level II Admin. Building	North Hall		Floor	Wood	Natural	0.0	Negative
Level II Admin. Building	North Hall	Various	Trims	Wood	White	>9.9	Positive
Level II Admin. Building	North Hall	All	Doors	Wood	White	7.7	Positive
Level II Admin. Building	Room 307	A,B,C,D	Walls	Plaster	Yellow	>9.9	Positive
Level II Admin. Building	Room 307	Various	Floor Trim	Wood	White	0.0	Negative
Level II Admin. Building	Room 307	A, B	Door Trims	Wood	White	0.0	Negative
Level II Admin. Building	Room 307	A	Door Casing	Wood	White	>9.9	Positive
Level II Admin. Building	Room 307	B	Door Casing	Wood	White	0.0	Negative
Level II Admin. Building	Room 307	C	Window Sash	Wood	White	>9.9	Positive

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Location	Room	Wall	Building Item	Material	Color	Reading	Result
Level II Admin. Building	Room 307	C	Window Trim	Wood	White	0.0	Negative
Level II Admin. Building	Room 307	C	Window Sill	Wood	White	0.0	Negative
Level II Admin. Building	Room 307		Ceiling	Plaster	White	0.2	Negative
Level II Admin. Building	Room 307		Closet Walls	Plaster	White	7.5	Positive
Level II Admin. Building	Room 307		Closet Floor	Wood	White	>9.9	Positive
Level II Admin. Building	Middle Hall	A,B,C,D	Walls	Plaster	White	>9.9	Positive
Level II Admin. Building	Middle Hall		Ceiling	Plaster	White	>9.9	Positive
Level II Admin. Building	Room 303	A,B,C,D	Upper Walls	Plaster	White	>9.9	Positive
Level II Admin. Building	Room 303		Ceiling	Plaster	White	>9.9	Positive
Level II Admin. Building	Room 305	A,B,C,D	Walls	Plaster	White	>9.9	Positive
Level II Admin. Building	Room 305	Various	Trims	Wood	White	>9.9	Positive
Level II Admin. Building	Room 305		Cabinets	Wood		0.0	Negative
Level II Admin. Building	Room 305		Sink	Metal	White	>9.9	Positive
Level II Admin. Building	Room 305	C	Window Sash	Wood	Blue	>9.9	Positive
Level II Admin. Building	Room 301A	A,B,C,D	Upper Wall	Plaster	Yellow	>9.9	Positive
Level II Admin. Building	Room 301A	A,B,C,D	Lower Wall	Ceramic	White	0.0	Negative
Level II Admin. Building	Room 301A		Ceiling	Plaster	White	>9.9	Positive
Level II Admin. Building	Room 301A		Floor	Ceramic	White	2.9	Positive
Level II Admin. Building	Room 301A	Various	Trims	Wood	White	>9.9	Positive
Level II Admin. Building	Room 301	A,B,C,D	Walls	Plaster	White	>9.9	Positive
Level II Admin. Building	Room 301	Various	Trims	Wood	White	>9.9	Positive
Level II Admin. Building	Room 301		Shelving	Wood	White	>9.9	Positive
Level II Admin. Building	Room 301		Ceiling	Plaster	White	>9.9	Positive
Level II Admin. Building	South Hall	A,B,C,D	Walls	Plaster	White	>9.9	Positive
Level II Admin. Building	South Hall	Various	Trims	Wood	White	>9.9	Positive
Level II Admin. Building	South Hall		Ceiling	Plaster	White	>9.9	Positive
Level II Admin. Building	South Hall	All	Doors	Wood	White	>9.9	Positive
Level II Admin. Building	North & South Hall	B & D	Egress Door	Metal	White	0.0	Negative
Level II Admin. Building	Room 404	A,B,C,D	Walls	Plaster	Blue	0.0	Negative
Level II Admin. Building	Room 404	Various	Trims	Wood	White	>9.9	Positive
Level II Admin. Building	Room 404		Ceiling	Homosote	White	0.0	Negative
Level II Admin. Building	Room 406A	A,B,C,D	Walls	Plaster	Green	0.0	Negative
Level II Admin. Building	Room 406A	B	Door Trim	Wood	White	>9.9	Positive
Level II Admin. Building	Room 406A	B	Floor Trim	Wood	White	0.2	Negative
Level II Admin. Building	Room 406A	A	Window Trim	Wood	White	0.4	Negative
Level II Admin. Building	Room 406A	A	Window Sash	Wood	White	>9.9	Positive
Level II Admin. Building	Room 406A	A	Window Stop	Wood	White	>9.9	Positive
Level II Admin. Building	Room 406A		Ceiling	Gypsum	White	0.0	Negative
Level II Admin. Building	Room 406A		Shelving	Wood	White	0.0	Negative
Level II Admin. Building	Room 406	A,B,C,D	Walls	Plaster	Pink	0.0	Negative
Level II Admin. Building	Room 406	Various	Trims	Wood	White	>9.9	Positive
Level II Admin. Building	Room 406		Fireplace Surround	Wood	Pink	6.2	Positive
Level II Admin. Building	Room 406B	A,B,C,D	Walls	Plaster	Green	>9.9	Positive
Level II Admin. Building	Room 406B	Various	Trims	Wood	White	>9.9	Positive
Level II Admin. Building	Room 406B	B	Door Trim	Wood	White	0.0	Negative
Level II Admin. Building	Room 406B	C	Lower Cabinet	Wood	White	>9.9	Positive
Level II Admin. Building	Room 406B		Ceiling	Plaster	Green	>9.9	Positive
Level II Admin. Building	Room 408	A,B,C,D	Walls	Plaster	Green	0.0	Negative
Level II Admin. Building	Room 408	Various	Trims	Wood	White	>9.9	Positive
Level II Admin. Building	Room 408	A	Window Sash	Wood	White	>9.9	Positive
Level II Admin. Building	Room 408	B	Mantle	Wood	White	>9.9	Positive
Level II Admin. Building	Room 408		Ceiling	Plaster	White	0.0	Negative
Level II Admin. Building	Room 408		Closet Walls	Plaster	Blue	>9.9	Positive
Level II Admin. Building	Room 408		Closet Ceiling	Plaster	White	0.4	Negative
Level II Admin. Building	North Hall	A,B,C,D	Walls	Gypsum / Plaster	White	0.0	Negative
Level II Admin. Building	North Hall	Various	Trims	Wood	White	>9.9	Positive
Level II Admin. Building	North Hall	All	Door	Wood	White	>9.9	Positive
Level II Admin. Building	North Hall		Ceiling	Plaster	White	0.0	Negative
Level II Admin. Building	Room 409	A,B,C,D	Walls	Plaster	Gray	0.0	Negative
Level II Admin. Building	Room 409	A	Door Trims	Wood	White	>9.9	Positive
Level II Admin. Building	Room 409		Floor Trims	Wood	White	0.0	Negative
Level II Admin. Building	Room 409	C	Window Trim	Wood	White	>9.9	Positive
Level II Admin. Building	Room 409	C	Window Sill	Wood	White	>9.9	Positive

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Location	Room	Wall	Building Item	Material	Color	Reading	Result
Level II Admin. Building	Room 409	C	Window Sash	Wood	White	>9.9	Positive
Level II Admin. Building	Room 409		Closet Wall	Plaster	White	0.0	Negative
Level II Admin. Building	Room 409		Closet Ceiling	Plaster	White	0.0	Negative
Level II Admin. Building	Room 407	A,B,C,D	Walls	Plaster	Blue	0.0	Negative
Level II Admin. Building	Room 407	Various	Trims	Wood	White	>9.9	Positive
Level II Admin. Building	Room 407	A & B	Doors	Wood	White	>9.9	Positive
Level II Admin. Building	Room 407		Ceiling	Plaster	White	0.0	Negative
Level II Admin. Building	Room 407		Closet Walls	Plaster	Pink	>9.9	Positive
Level II Admin. Building	Middle Hall	A,B,C,D	Walls	Gypsum / Plaster	White	0.0	Negative
Level II Admin. Building	Middle Hall		Floor Trim	Wood	Brown	0.0	Negative
Level II Admin. Building	Room 405	A,B,C,D	Walls	Plaster	Purple	0.0	Negative
Level II Admin. Building	Room 405	Various	Trims	Wood	White	>9.9	Positive
Level II Admin. Building	Room 405	A	Door	Wood	White	>9.9	Positive
Level II Admin. Building	Room 405		Ceiling	Plaster	White	0.0	Negative
Level II Admin. Building	Room 405		Closet Walls	Wood	Pink	>9.9	Positive
Level II Admin. Building	Room 405		Closet Shelving	Wood	White	>9.9	Positive
Level II Admin. Building	Room 405		Closet Walls	Plaster	White	>9.9	Positive
Level II Admin. Building	Room 405		Closet Ceiling	Plaster	White	6.8	Positive
Level II Admin. Building	Room 405		Closet Shelving	Wood	White	>9.9	Positive
Level II Admin. Building	Room 403A	A,B,C,D	Walls	Plaster	Pink	>9.9	Positive
Level II Admin. Building	Room 403A	Various	Trims	Wood	White	>9.9	Positive
Level II Admin. Building	Room 403A	A	Shelving	Wood	White	>9.9	Positive
Level II Admin. Building	Room 403	A,B,C,D	Walls	Plaster	Peach	0.0	Negative
Level II Admin. Building	Room 403	Various	Trims	Wood	White	>9.9	Positive
Level II Admin. Building	Room 403		Ceiling	Plaster	White	>9.9	Positive
Level II Admin. Building	Room 403		Closet Walls	Plaster	Blue	>9.9	Positive
Level II Admin. Building	South Hall 1	A,B,C,D	Walls	Plaster	White	0.0	Negative
Level II Admin. Building	South Hall 1	Various	Trims	Wood	White	>9.9	Positive
Level II Admin. Building	South Hall 1		Ceiling			0.5	Negative
Level II Admin. Building	South Hall 2	A,B,C,D	Walls	Plaster	White	1.7	Positive
Level II Admin. Building	South Hall 2	Various	Trims	Wood	White	>9.9	Positive
Level II Admin. Building	South Hall 2		Ceiling			>9.9	Positive
Level II Admin. Building	Room 401	A, B, C	Walls	Plaster	White	0.0	Negative
Level II Admin. Building	Room 401	D	Wall	Plaster	White	>9.9	Positive
Level II Admin. Building	Room 401	Various	Trims	Wood	White	>9.9	Positive
Level II Admin. Building	Room 401		Ceiling	Gypsum	White	0.0	Negative
Level II Admin. Building	Room 401A	A,B,C,D	Upper Wall	Plaster	Beige	>9.9	Positive
Level II Admin. Building	Room 401A	A,B,C,D	Lower Wall	Wood	Purple	>9.9	Positive
Level II Admin. Building	Room 401A		Ceiling	Gypsum	White	0.0	Negative
Level II Admin. Building	Room 401A	Various	Trims	Wood	White	>9.9	Positive
Level II Admin. Building	Room 503	A,B,C,D	Walls	Plaster	White	0.0	Negative
Level II Admin. Building	Room 503		Ceiling	Homosote	White	0.0	Negative
Level II Admin. Building	Room 503	C	Window Trim	Wood	White	0.0	Negative
Level II Admin. Building	Room 503	C	Window Sash	Wood	White	2.9	Positive
Level II Admin. Building	Room 503		Closet Doors	Wood	White	>9.9	Positive
Level II Admin. Building	Room 503		Closet Trims	Wood	White	0.0	Negative
Level II Admin. Building	Room 503	B	Door	Metal	Blue	0.0	Negative
Level II Admin. Building	Room 501	A,B,C,D	Upper Walls	Gypsum	Pink	0.0	Negative
Level II Admin. Building	Room 501	A,B,C,D	Lower Walls	Laminate	Various	0.0	Negative
Level II Admin. Building	Room 501	C	Chair Rail	Wood	Pink	0.0	Negative
Level II Admin. Building	Room 501	Various	Trims	Wood	Pink	0.0	Negative
Level II Admin. Building	Room 502	A,B,C,D	Walls	Plaster	Green	0.0	Negative
Level II Admin. Building	Room 502	Various	Trims	Wood	Green	0.0	Negative
Level II Admin. Building	Room 502		Closet Doors	Wood	Green	0.0	Negative
Level II Admin. Building	Room 502		Ceiling	Plaster	White	0.0	Negative
Level II Admin. Building	Room 504	A,B,C,D	Walls	Plaster	White	0.0	Negative
Level II Admin. Building	Room 504	A & C	Small Closet Doors	Wood	White	>9.9	Positive
Level II Admin. Building	Room 504	A & C	Small Closet Door Trim	Wood	White	0.0	Negative
Level II Admin. Building	Room 504	A & C	Window Sashes	Wood	White	>9.9	Positive
Level II Admin. Building	Room 504	A & C	Window Trims	Wood	White	0.0	Negative
Level II Admin. Building	Room 504A	C	Door Trim	Wood	White	0.0	Negative
Level II Admin. Building	Room 504A	A,B,C,D	Walls	Plaster	Green	0.0	Negative
Level II Admin. Building	Hall	A,B,C,D	Walls	Plaster	Beige	0.0	Negative

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Location	Room	Wall	Building Item	Material	Color	Reading	Result
Level II Admin. Building	Hall	B & D	Doors	Metal	White	0.0	Negative
Level II Admin. Building	Hall	Various	Trims	Wood	White	0.0	Negative
Level II Admin. Building	Hall		Ceiling	Homosote	White	0.0	Negative
Level II Admin. Building	5th-4th Stair	B,C,D	Walls	Plaster	Beige	>9.9	Positive
Level II Admin. Building	5th-4th Stair		Ceiling	Plaster	White	2.3	Positive
Level II Admin. Building	5th-4th Stair	C	Window Trim	Wood	White	7.1	Positive
Level II Admin. Building	5th-4th Stair	C	Window Sash	Wood	White	0.0	Negative
Level II Admin. Building	4th-3rd Stair	B,C,D	Walls	Plaster	Beige	>9.9	Positive
Level II Admin. Building	4th-3rd Stair	C	Window Sash	Wood	White	>9.9	Positive
Level II Admin. Building	4th-3rd Stair	C	Floor Trims	Wood	Natural	0.0	Negative
Level II Admin. Building	4th-3rd Stair		Ceiling	Gypsum	White	0.0	Negative
Level II Admin. Building	4th-3rd Stair		Ceiling	Plaster	White	>9.9	Positive
Level II Admin. Building	3rd-2nd Stair	B,C,D	Walls	Plaster	Beige	>9.9	Positive
Level II Admin. Building	3rd-2nd Stair		Ceiling	Plaster	White	>9.9	Positive
Level II Admin. Building	3rd-2nd Stair	C	Trims	Wood	Natural	0.0	Negative
Level II Admin. Building	3rd-2nd Stair		Ceiling	Gypsum	White	0.0	Negative
Stone North Level I	Room 104	A,B,C,D	Walls	Plaster	Green	1.7	Positive
Stone North Level I	Room 104		Ceiling	Plaster	White	1.3	Positive
Stone North Level I	Room 104	Various	Trims	Wood	White	>9.9	Positive
Stone North Level I	Room 105		Walls	Plaster	Beige	1.6	Positive
Stone North Level I	Room 105		Ceiling	Plaster	White	1.3	Positive
Stone North Level I	Room 105	Various	Trims	Wood	White	>9.9	Positive
Stone North Level I	Room 105	Various	Trims	Slate	Brown	0.0	Negative
Stone North Level I	Room 105	A	Window Sash	Wood	White	>9.9	Positive
Stone North Level I	Room 105	A	Window Sill	Wood	White	2.0	Positive
Stone North Level I	Room 108A	A	Wall	Plaster	White	2.0	Positive
Stone North Level I	Room 108A	B	Wall	Gypsum	White	0.0	Negative
Stone North Level I	Room 108A		Ceiling	Plaster	White	1.9	Positive
Stone North Level I	Room 108A	C	Trims	Wood	White	0.0	Negative
Stone North Level I	Section 1 Hall		Ceiling	Plaster	White	1.3	Positive
Stone North Level I	Section 1 Hall	A,B,C,D	Walls	Plaster	White	1.4	Positive
Stone North Level I	Section 1 Hall	Various	Trims	Wood	White	>9.9	Positive
Stone North Level I	Room 115	A,B,C,D	Walls	Plaster	Yellow	3.1	Positive
Stone North Level I	Room 115		Ceiling	Plaster	White	2.0	Positive
Stone North Level I	Room 115	Various	Trims	Wood	White	>9.9	Positive
Stone North Level I	Room 121	A,B,C,D	Lower Walls	Ceramic	Pink	0.0	Negative
Stone North Level I	Room 121	A,B,C,D	Upper Walls	Plaster	White	>9.9	Positive
Stone North Level I	Room 121	Various	Trims	Wood	White	>9.9	Positive
Stone North Level I	Spiral Stair Foyer	Various	Trims	Wood	Natural	0.0	Negative
Stone North Level I	Spiral Stair Foyer		Doors	Wood	Natural	0.0	Negative
Stone North Level I	Spiral Stair Foyer		Walls	Plaster	White	4.8	Positive
Stone North Level I	Spiral Stair Foyer		Ceiling	Plaster	White	6.1	Positive
Stone North Level I	Stairwell		Ceiling	Gypsum	White	0.0	Negative
Stone North Level I	Stairwell	A,B,C,D	Walls	Plaster	White	7.9	Positive
Stone North Level I	Stairwell	Various	Trims	Wood	White	>9.9	Positive
Stone North Section I,II,III Level I	Room A3	D	Walls	Gypsum	White	0.0	Negative
Stone North Section I,II,III Level I	Room A3	B	Walls	Plaster	White	4.2	Positive
Stone North Section I,II,III Level I	Room A3		Ceiling	Plaster	White	3.1	Positive
Stone North Section I,II,III Level I	Room A3	D	Door Trim	Wood	White	0.0	Negative
Stone North Section I,II,III Level I	Room A3	B	Window Trim	Wood	White	0.0	Negative
Stone North Section I,II,III Level I	Room A3	B	Window Sill	Wood	White	0.0	Negative
Stone North Section I,II,III Level I	Room A3		Floor Trim	Wood	White	0.0	Negative
Stone North Section I,II,III Level I	Room A3		Support Column	Wood	White	>9.9	Positive
Stone North Section I,II,III Level I	Room A1	B	Wall	Plaster	Beige	5.7	Positive
Stone North Section I,II,III Level I	Room A1		Ceiling	Plaster	White	>9.9	Positive
Stone North Section I,II,III Level I	Room A1	B	Door Trim	Wood	White	0.0	Negative
Stone North Section I,II,III Level I	Room A1	A	Wall	Gypsum	Beige	0.0	Negative
Stone North Section I,II,III Level I	Room 108/110	A,B,C,D	Walls	Plaster	Beige	7.9	Positive
Stone North Section I,II,III Level I	Room 108/110		Ceiling	Plaster	White	0.0	Negative
Stone North Section I,II,III Level I	Room 108/110	B	Window Sash	Wood	White	6.9	Positive
Stone North Section I,II,III Level I	Room 108/110	B	Window Sill	Wood	White	0.0	Negative
Stone North Section I,II,III Level I	Room 109	A,B,C,D	Walls	Plaster	Beige	6.9	Positive
Stone North Section I,II,III Level I	Room 109		Ceiling	Plaster	White	0.0	Negative
Stone North Section I,II,III Level I	Room 109	B	Door Trim	Wood	White	0.0	Negative

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Location	Room	Wall	Building Item	Material	Color	Reading	Result
Stone North Section I,II,III Level I	Room 109	D	Window Sill	Wood	White	0.0	Negative
Stone North Section I,II,III Level I	Section II Hall	B	Wall	Plaster	Pink	>9.9	Positive
Stone North Section I,II,III Level I	Section II Hall		Ceiling	Plaster	White	0.0	Negative
Stone North Section I,II,III Level I	Section II Hall		Ceiling Tile	Homosote	White	0.0	Negative
Stone North Section I,II,III Level I	Section II Hall	B	Door Trim	Wood	White	0.0	Negative
Stone North Section I,II,III Level I	Section II Hall		Soffit Pipe	Wood	Pink	0.0	Negative
Stone North Section I,II,III Level I	Room 125 Cafeteria		Ceiling	Plaster	White	0.0	Negative
Stone North Section I,II,III Level I	Room 125 Cafeteria	A,B,C,D	Walls	Plaster	White	2.3	Positive
Stone North Section I,II,III Level I	Room 125 Cafeteria		Chair Rail	Wood	White	0.0	Negative
Stone North Section I,II,III Level I	Room 102C	A,B,C,D	Walls	Plaster	White	1.8	Positive
Stone North Section I,II,III Level I	Room 102C		Ceiling	Plaster	White	0.0	Negative
Stone North Section I,II,III Level I	Room 102C	Various	Trims	Wood	White	0.0	Negative
Stone North Section III Level I	Room 2		Ceiling	Plaster	White	0.0	Negative
Stone North Section III Level I	Room 2	A	Door Trim	Wood	White	0.0	Negative
Stone North Section III Level I	Room 2	C	Window Sills	Wood	White	0.0	Negative
Stone North Section III Level I	Room 107	A,B,C,D	Walls	Gypsum	White	0.0	Negative
Stone North Section III Level I	Room 107		Ceiling	Gypsum	White	0.0	Negative
Stone North Section III Level I	Room 107		Wall Trim	Wood	Green	0.0	Negative
Stone North Section III Level I	Room 103	A	Floor Trim	Ceramic	White	1.9	Positive
Stone North Section I Level II	Room 204	D	Wall	Plaster	Peach	8.9	Positive
Stone North Section I Level II	Room 204		Ceiling	Plaster	White	>9.9	Positive
Stone North Section I Level II	Room 204	Various	Trims	Wood	White	>9.9	Positive
Stone North Section I Level II	Room 205	C, D	Walls	Plaster	Pink	7.6	Positive
Stone North Section I Level II	Room 205		Ceiling	Gypsum	White	0.0	Negative
Stone North Section I Level II	Section I Hall	A,B,C,D	Walls	Plaster	Blue	8.8	Positive
Stone North Section I Level II	Section I Hall		Ceiling	Gypsum	White	0.0	Negative
Stone North Section I Level II	Section I Hall	Various	Trims	Wood	White	9.5	Positive
Stone North Section I Level II	Section II Stair	A,C,D	Walls	Plaster	White	7.0	Positive
Stone North Section I Level II	Section II Stair		Ceiling	Gypsum	White	0.0	Negative
Stone North Section I Level II	Room A1	A,B,C,D	Wall	Plaster	Gray	4.1	Positive
Stone North Section I Level II	Room A1		Ceiling	Plaster	White	4.2	Positive
Stone North Section I Level II	Section II Hall	A, C	Walls	Plaster	Pink	4.1	Positive
Stone North Section I Level II	Section II Hall	A, C	Walls	Plaster	Beige	>9.9	Positive
Stone North Section I Level II	Room 214	A,B,C,D	Walls	Plaster	Beige	6.9	Positive
Stone North Section I Level II	Room 214	Various	Trims	Wood	White	0.0	Negative
Stone North Section I Level II	Room 218A		Ceiling	Plaster	White	>9.9	Positive
Stone North Section I Level II	Room 218A	A,B,C,D	Walls	Plaster	White	>9.9	Positive
Stone North Section I Level II	Room 218A	A	Window Sill	Wood	White	>9.9	Positive
Stone North Section I Level II	Room 217	C	Soffit	Plywood	Beige	0.0	Negative
Stone North Section I Level II	Room 217		Ceiling	Plaster	Beige	0.0	Negative
Stone North Section III Level II	Room 204	A,B,C,D	Walls	Gypsum	Yellow	0.0	Negative
Stone North Section III Level II	Room 204	A,B,C,D	Walls	Plaster	Yellow	>9.9	Positive
Stone North Section III Level II	Room 204		Ceiling	Plaster	Pink	6.2	Positive
Stone North Section III Level II	Room 206B	A,B,C,D	Walls	Plaster	Pink	3.0	Positive
Stone North Section III Level II	Room 206B	C	Soffit	Wood	Pink	0.0	Negative
Stone North Section III Level II	Room 206B		Ceiling	Plaster	White	0.0	Negative
Stone North Section I Level III	Stairwell	A,B,C,D	Wall	Plaster	Beige	>9.9	Positive
Stone North Section I Level III	Stairwell	D	Window Sill	Wood	White	9.7	Positive
Stone North Section I Level III	Stairwell		Ceiling	Plaster	White	3.5	Positive
Stone North Section I Level III	Stairwell	B	Bottom of Stairs	Metal	Beige	>9.9	Positive
Stone North Section I Level III	Section I Hallway	A,B,C,D	Walls	Plaster	Yellow	>9.9	Positive
Stone North Section I Level III	Section I Hallway	Various	Trims	Wood	White	>9.9	Positive
Stone North Section I Level III	Section I Hallway		Ceiling	Gypsum	White	0.0	Negative
Stone North Section I Level III	Room 308	A,B,C,D	Walls	Plaster	Green	>9.9	Positive
Stone North Section I Level III	Room 308	B	Window Sill	Wood	White	0.0	Negative
Stone North Section I Level III	Room 308	D	Door Trim	Wood	White	>9.9	Positive
Stone North Section I Level III	Room 308	B	Window Sash	Wood	White	>9.9	Positive
Stone North Section I Level III	Room 308		Ceiling	Plaster	White	6.0	Positive
Stone North Section I Level III	Room 311	A	Small Doors	Wood	White	>9.9	Positive
Stone North Section I Level III	Stairwell	B	Stair Case	Wood	White	>9.9	Positive
Stone North Section I Level III	Room 305	A,B,C,D	Walls	Plaster	Purple	6.3	Positive
Stone North Section I Level III	Room 305		Ceiling	Plaster	White	0.5	Negative
Stone North Section I Level III	Room 305	B	Door Trim	Wood	White	0.0	Negative
Stone North Section I Level III	Room 305	B	Window Trim	Wood	White	0.0	Negative

Location	Room	Wall	Building Item	Material	Color	Reading	Result
Stone North Section I Level III	Room 305	A,B,C,D	Walls	Plaster	Beige	2.1	Positive
Stone North Section I Level III	Room 305		Ceiling	Plaster	White	0.0	Negative
Stone North Section I Level III	Section III Hall	A,B,C,D	Walls	Wood	White	0.0	Negative
Stone North Section I Level III	Attic North	A,B,C,D	Structural Wood	Wood	White	0.0	Negative
Stone North Section I Level III	Attic North	A,B,C,D	Sheetrock Room	Gypsum	White	>9.9	Positive
Stone North Section I Level III	Attic North	A	Door	Wood	White	>9.9	Positive
Stone North Section I Level III	Attic North	D	Shelving	Wood	White	0.0	Negative
Stone North Section I Level III	Attic North	A	Door Trim	Wood	White	0.0	Negative
Stone South Section I Level I	Stair Hall	A,B,C,D	Wall	Plaster	Beige	>9.9	Positive
Stone South Section I Level I	Stair Hall		Ceiling	Plaster	White	7.5	Positive
Stone South Section I Level I	Room 109	A,B,C,D	Wall	Plaster	White	>9.9	Positive
Stone South Section I Level I	Room 109		Ceiling	Plaster	White	0.3	Negative
Stone South Section I Level I	Room 109	A	Window Sill	Wood	Blue	0.0	Negative
Stone South Section I Level I	Room 110	A,B,C,D	Wall	Plaster	Blue	6.7	Positive
Stone South Section I Level I	Room 110	C	Window Sill	Wood	Tan	0.0	Negative
Stone South Section I Level I	Room 110		Ceiling	Plaster	White	4.7	Positive
Stone South Section I Level I	Room 110	Various	Trims	Wood	Tan	0.0	Negative
Stone South Section I Level I	Room 115	A,B,C,D	Wall	Plaster	Blue	3.8	Positive
Stone South Section I Level I	Room 115		Ceiling	Plaster	White	0.0	Negative
Stone South Section I Level I	Room 115	B	Window Sill	Wood	White	0.0	Negative
Stone South Section I Level I	Section I Hall	A,B,C,D	Wall	Plaster	Tan	9.5	Positive
Stone South Section I Level I	Section I Hall	A,B,C,D	Door Trim	Wood	White	0.0	Negative
Stone South Section I Level I	Section I Hall	A,B,C,D	Door Chasing	Metal	Green	0.0	Negative
Stone South Section I Level I	Section I Hall		Ceiling	Plaster	White	0.0	Negative
Stone South Section I Level I	Room 116		Ceiling	Plaster	White	0.2	Negative
Stone South Section I Level I	Room 119B	A,B,C,D	Walls	Plaster	White	0.0	Negative
Stone South Section I Level I	Room 119B	A,B,C,D	Walls	Gypsum	White	0.0	Negative
Stone South Section I Level I	Room 119B	A, B	Window Sill	Wood	White	0.0	Negative
Stone South Section I Level I	Room 119B		Ceiling	Plaster	White	0.0	Negative
Stone South Section I Level I	Room 119B	Various	Floor Trim	Wood	White	0.0	Negative
Stone South Section I Level I	Room 119B	Various	Trims	Wood	White	0.0	Negative
Stone South Section I Level I	Room 103	A,B,C,D	Wall	Plaster	Blue	3.1	Positive
Stone South Section I Level I	Room 103	Various	Floor Trim	Wood	Gray	0.0	Negative
Stone South Section I Level I	Room 103	A	Window Sill	Wood	White	0.0	Negative
Stone South Section I Level I	Room 103		Ceiling	Plaster	White	0.3	Negative
Stone South Section I Level I	Room 103	C	Door Trim	Wood	White	0.0	Negative
Stone South Section I Level I	Room 110	A,B,C,D	Wall	Plaster	Green	3.2	Positive
Stone South Section I Level I	Room 110	C	Window Sill	Wood	White	0.0	Negative
Stone South Section I Level I	Room 110		Ceiling	Plaster	White	0.0	Negative
Stone South Section II Level I	Section II Hall	A,B,C,D	Wall	Plaster	White	6.8	Positive
Stone South Section II Level I	Section II Hall	B, D	Door Trim	Wood	White	0.0	Negative
Stone South Section II Level I	Section II Hall		Ceiling	Plaster	White	0.0	Negative
Stone South Section II Level I	Room 110 Cafeteria	A,B,C,D	Wall	Plaster	Beige	>9.9	Positive
Stone South Section II Level I	Room 110 Cafeteria		Ceiling Soffit	Wood	White	0.0	Negative
Stone South Section II Level I	Room 110 Cafeteria	D	Door Trim	Wood	White	0.0	Negative
Stone South Section II Level I	Room 110 Cafeteria	B, D	Window Sill	Wood	White	0.0	Negative
Stone South Section II Level I	Room 110 Cafeteria		Ceiling	Plaster	White	0.0	Negative
Stone South Section II Level I	Room 101A	A,B,C,D	Wall	Gypsum	White	0.0	Negative
Stone South Section II Level I	Section III Hall		Ceiling	Gypsum	White	0.0	Negative
Stone South Section II Level I	Section III Hall	A,B,C,D	Chair Rail	Wood	White	0.0	Negative
Stone South Section II Level I	Section III Hall	A,B,C,D	Walls	Plaster	Yellow	4.4	Positive
Stone South Section II Level I	Section III Hall	A, C	Door Trim	Wood	White	0.3	Negative
Stone South Section II Level I	Section III Hall		Ceiling Beam Wrap	Plaster	Yellow	1.5	Positive
Stone South Section II Level I	Section III Hall	A,B,C,D	Chair Rail	Wood	Green	0.0	Negative
Stone South Section II Level I	Room 108	A,B,C,D	Walls	Plaster	Yellow	7.0	Positive
Stone South Section II Level I	Room 108	B	Window Sill	Wood	White	0.0	Negative
Stone South Section II Level I	Room 108	Various	Floor Trim	Wood	White	0.0	Negative
Stone South Section II Level I	Room 114		Ceiling	Plaster	White	0.3	Negative
Stone South Section I Level II	North Stairway	A,B,C,D	Wall	Plaster	Beige	>9.9	Positive
Stone South Section I Level II	North Stairway		Ceiling	Plaster	White	6.7	Positive
Stone South Section I Level II	Section I Hall	A,B,C,D	Wall	Plaster	Pink / Green	>9.9	Positive
Stone South Section I Level II	Section I Hall	A,B,C,D	Wall	Gypsum	Green	0.0	Negative
Stone South Section I Level II	Room 210	A,B,C,D	Wall	Plaster	Purple	1.8	Positive

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Location	Room	Wall	Building Item	Material	Color	Reading	Result
Stone South Section I Level II	Room 210	A,B,C,D	Chair Rail	Wood	White	0.0	Negative
Stone South Section I Level II	Room 210	C	Window Sill	Wood	White	0.0	Negative
Stone South Section I Level II	Room 210	C	Window Sash	Wood	White	>9.9	Positive
Stone South Section I Level II	Room 210		Ceiling	Plaster	White	0.0	Negative
Stone South Section I Level II	Room 211	A,B,C,D	Wall	Plaster	Pink	4.3	Positive
Stone South Section I Level II	Room 211	C	Door Trim	Wood	White	0.0	Negative
Stone South Section I Level II	Room 211	A	Window Sill	Wood	White	0.0	Negative
Stone South Section I Level II	Room 211		Ceiling	Wood	White	0.0	Negative
Stone South Section I Level II	Room 218	A,B,C,D	Wall	Plaster	Blue	>9.9	Positive
Stone South Section I Level II	Room 218	C	Window Sill	Wood	White	0.0	Negative
Stone South Section I Level II	Room 218		Ceiling	Plaster	White	>9.9	Positive
Stone South Section I Level II	Room 218	A	Door Trim	Wood	White	0.0	Negative
Stone South Section I Level II	Room 219C	A,B,C,D	Wall	Plaster	Beige	2.3	Positive
Stone South Section I Level II	Room 219C	A	Window Sill	Wood	White	0.0	Negative
Stone South Section I Level II	Room 219C		Ceiling	Plaster	White	2.2	Positive
Stone South Section I Level II	Room 219C	C	Door Trim	Wood	White	0.0	Negative
Stone South Section I Level II	Room 219C	Various	Floor Trim	Wood	Gray	0.0	Negative
Stone South Section I Level II	Section II Hall	A,B,C,D	Wall	Plaster	Gray	6.7	Positive
Stone South Section I Level II	Section II Hall		Ceiling	gypsum	White	0.0	Negative
Stone South Section I Level II	Section II Hall	B, D	Door Trim	Wood	White	0.0	Negative
Stone South Section I Level II	Room 208	A,B,C,D	Wall	Plaster	Tan	3.1	Positive
Stone South Section I Level II	Room 208	A,B,C,D	Floor Trim	Wood	White	0.0	Negative
Stone South Section I Level II	Room 210		Ceiling	Plaster	White	0.0	Negative
Stone South Section I Level II	Kitchen	A,B,C,D	Walls	Ceramic	Gray	0.0	Negative
Stone South Section I Level II	Kitchen		Ceiling	Plaster	White	0.0	Negative
Stone South Section III Level II	Room 225	A,B,C,D	Wall	Gypsum	White	0.0	Negative
Stone South Section III Level II	Room 225	A,B,C,D	Wall	Plaster	White	>9.9	Positive
Stone South Section III Level II	Room 225	A	Window Sill	Wood	White	0.5	Negative
Stone South Section III Level II	Room 225		Ceiling	Gypsum	White	0.0	Negative
Stone South Section III Level II	Room 222	C	Window Sash	Metal	White	>9.9	Positive
Stone South Section III Level II	Section III Hall	A,B,C,D	Wall	Plaster	Beige	6.3	Positive
Stone South Section III Level II	Section III Hall		Ceiling	Plaster	White	0.0	Negative
Stone South Section III Level II	Section III Hall	Various	Trims	Wood	White	0.0	Negative
Stone South Section III Level II	Room 205	A,B,C,D	Lower Wall	Ceramic	Beige	>9.9	Positive
Stone South Section III Level II	Room 205	A,B,C,D	Upper Wall	Plaster	Beige	5.7	Positive
Stone South Section III Level II	Room 205		Ceiling	Plaster	White	0.0	Negative
Stone South Section III Level II	Room 205	C	Door Trim	Wood	White	0.0	Negative
Stone South Section III Level II	Room 209		Ceiling	Plaster	White	0.0	Negative
Stone South Section III Level II	Room 213	Various	Floor Trim	Wood	White	0.4	Negative
Stone South Section III Level III	Room 312	A,B,C,D	Wall	Plaster	Beige	5.0	Positive
Stone South Section III Level III	Room 312	C	Window Sill	Wood	White	0.0	Negative
Stone South Section III Level III	Room 312		Ceiling	Plaster	White	0.0	Negative
Stone South Section III Level III	Room 312	A	Door Trim	Wood	White	0.0	Negative
Stone South Section III Level III	Section III Hall	A,B,C,D	Wall	Gypsum	White	0.0	Negative
Stone South Section III Level III	Section III Hall	A,B,C,D	Wall	Plaster	White	7.5	Positive
Stone South Section III Level III	Section III Hall		Ceiling	Gypsum	White	0.0	Negative
Stone South Section III Level III	Section III Hall	A, C	Door Trim	Wood	White	0.0	Negative
Stone South Section III Level III	Room 305	A,B,C,D	Wall	Plaster	Beige	6.1	Positive
Stone South Section III Level III	Room 305	A	Window Sill	Wood	White	0.0	Negative
Stone South Section III Level III	Room 305		Ceiling	Plaster	White	0.0	Negative
Stone South Section III Level III	Room 305	C	Door Trim	Wood	White	0.0	Negative
Stone South Section III Level III	Room 305	Various	Floor Trim	Wood	Gray	0.1	Negative
Stone South Section II Level III	Room 311	A,B,C,D	Wall	Ceramic	Yellow	0.0	Negative
Stone South Section II Level III	Room 311		Floor	Ceramic	Various	0.0	Negative
Stone South Section II Level III	Section II Hall	A,B,C,D	Walls	Plaster	White / Pink	8.6	Positive
Stone South Section II Level III	Section II Hall		Ceiling	Gypsum	White	0.0	Negative
Stone South Section II Level III	Section II Hall	Various	Floor Trim	Wood	Gray	0.0	Negative
Stone South Section II Level III	Room 308	A,B,C,D	Wall	Brick	Gray	7.7	Positive
Stone South Section II Level III	Room 309	A,B,C,D	Wall	Plaster	Beige	5.1	Positive
Stone South Section II Level III	Room 305	A,B,C,D	Wall	Plaster	Beige	0.0	Negative
Stone South Section II Level III	Section I Hall	A,B,C,D	Wall	Plaster	White	7.9	Positive
Stone South Section II Level III	Section I Hall		Ceiling	Gypsum	White	0.0	Negative
Stone South Section II Level III	Section I Hall	B, D	Door Trim	Wood	White	0.0	Negative

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Location	Room	Wall	Building Item	Material	Color	Reading	Result
Stone South Section II Level III	Room 315	A,B,C,D	Wall	Plaster	Blue	0.0	Negative
Stone South Section II Level III	Room 315	A	Door Trim	Wood	White	0.0	Negative
Stone Building Exterior	Room 315	C	Window Trims	Wood	Yellow	>9.9	Positive
Stone Building Exterior	Room 315	C	Window Sashes	Wood	Yellow	>9.9	Positive
Stone Building Exterior	Room 315	C	Window Sills	Wood	Yellow	>9.9	Positive
Stone Building Exterior	Basement	A	Window Trims	Wood	Yellow	2.5	Positive
Stone Building Exterior	Basement	B	Window Sashes	Wood	Yellow	1.6	Positive
Stone Building Exterior	North Section II Spiral Stair		Door	Wood	Yellow	0.4	Negative
Stone Building Exterior	North Section II Spiral Stair		Door Trim	Wood	Yellow	1.0	Positive
Stone Building Exterior	Northeast Stairwell		Door	Wood	Yellow	>9.9	Positive
Stone Building Exterior	Northeast Stairwell		Door Trim	Wood	Yellow	>9.9	Positive
Stone Building Exterior	Northeast Stairwell		Railings	Metal	Black	6.6	Positive
Stone Building Exterior	Basement Entry		Door	Wood	Yellow	>9.9	Positive
Stone Building Exterior	Rear Entry to Basement	C	Wall	Brick	Yellow	>9.9	Positive
Stone Building Exterior	Rear Entry to Basement		Door Trim	Wood	Yellow	>9.9	Positive
Stone Building Exterior	Rear Entry Handicap	C	Ceiling	Homosote	Yellow	0.0	Negative
Stone Building Exterior	Rear Entry Handicap	C	Carry Beam	Metal	Yellow	1.5	Positive
Stone Building Exterior	Rear Entry Handicap	C	Support Column	Metal	Black	0.0	Negative
Stone Building Exterior	South Center Entry		Ceiling	Wood	Yellow	>9.9	Positive
Stone Building Exterior	Level II Exterior	Window System	Window Frame	Wood	Yellow	>9.9	Positive