

Marshall Courts Phase VII

06/01/2024

PROJECT MANUAL

IFB# TBD

Newport News Redevelopment and Housing Authority Marshall Courts - Phase VII: Demolition

Newport News, Virginia 23607

VIA design Project Code: 17031-4

Architect

VIA Design Architects, P.C.

Civil Engineers

TRC Companies

Hazardous Materials Consultant

Marine Chemist

VIA Design Architects, P.C.

319 E Plume Street

Norfolk, Virginia 23510

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SECTION 011000 - SUMMARY

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Project information.
2. Work covered by Contract Documents.
3. Contractor's use of site and premises.
4. Coordination with occupants.
5. Work restrictions.

B. Related Requirements:

1. Section 015000 "Temporary Facilities and Controls" for limitations and procedures governing temporary use of Owner's facilities.

1.2 PROJECT INFORMATION

A. Project Identification: Marshall Courts Phase VII.

1. Project Location: 741 34th Street, Newport News, Virginia.

B. Owner: NNRHA, Virginia.

1. Owner's Representative: Pat Devereux pdevereux@nnrha.org .

C. Architect: VIA design architects, pc, 319 E Plume Street, Norfolk, Virginia, 23510.

1. Architect's Representative: Scott Campbell scampbell@viadesignarchitects.com.

D. Architect's Consultants: Architect has retained the following design professionals, who have prepared designated portions of the Contract Documents:

1. Civil Engineer : TRC Companies .
 - a. Civil Engineer Representative: Tim Dean TDean@trccompanies.com .

1.3 WORK COVERED BY CONTRACT DOCUMENTS

A. The Work of Project is defined by the Contract Documents and consists of the following:

1. Proposed demolition of twelve apartment buildings and the former police substation that were originally constructed ca. 1940, and subsequently renovated in 1984 and 1992. Sidewalks and parking areas within the identified site area are also to be demolished. These Marshall Courts Phase VII site features and buildings are in the northwest corner of the complex along 36th Street and Madison Avenue. Once the buildings, walkways and parking areas have been demolished, the area will be graded, seeded, and some

new sitework for driveway, dumpster access, and to reestablish continuous sidewalks along the affected streets.

B. Type of Contract:

1. Project will be constructed under a single prime contract.

1.4 CONTRACTOR'S USE OF SITE AND PREMISES

- A. Unrestricted Use of Site: Contractor shall have full use of Project site for construction operations during construction period. Contractor's use of Project site is limited only by Owner's right to perform work or to retain other contractors on portions of Project.
- B. Restricted Use of Site: Contractor shall have limited use of Project site for construction operations as indicated on Drawings by the Contract limits and as indicated by requirements of this Section.
- C. Limits on Use of Site: Limit use of Project site to areas within the Contract limits indicated. Do not disturb portions of Project site beyond areas in which the Work is indicated.
1. Driveways, Walkways, and Entrances: Keep driveways loading areas, 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.
- D. Condition of Existing Grounds: Maintain portions of existing grounds, landscaping, and hardscaping affected by construction operations throughout construction period. Repair damage caused by construction operations.

1.5 COORDINATION WITH OCCUPANTS

- A. Partial Owner Occupancy: Owner will occupy the premises during entire construction period, with the exception of areas under construction. Cooperate with Owner during construction operations to minimize conflicts and facilitate Owner usage. Perform the Work so as not to interfere with Owner's operations. Maintain existing exits unless otherwise indicated.

1.6 WORK RESTRICTIONS

- A. Comply with restrictions on construction operations.
1. Comply with limitations on use of public streets, work on public streets, rights of way, and other requirements of authorities having jurisdiction.
- B. On-Site Work Hours: Limit work in the existing building to normal business working hours of 8 a.m. to 5 p.m., Monday through Friday, unless otherwise indicated.
- C. Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after providing temporary utility services according to requirements indicated:
1. Notify Owner not less than two days in advance of proposed utility interruptions.
 2. Obtain Owner's written permission before proceeding with utility interruptions.

- D. Noise, Vibration, Dust, and Odors: Coordinate operations that may result in high levels of noise and vibration, dust, odors, or other disruption to Owner occupancy with Owner.
- E. Smoking and Controlled Substance Restrictions: Use of tobacco products , alcoholic beverages, and other controlled substances on Owner's property is not permitted.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 011000

SECTION 01 5639
TEMPORARY TREE AND PLANT PROTECTION

PART 1 GENERAL

1.1 SUMMARY

A. Section includes general protection and pruning of existing trees and plants that are affected by execution of the Work, whether temporary or permanent construction.

1.2 DEFINITIONS

A. Plant-Protection Zone: Area surrounding individual trees, groups of trees, shrubs, or other vegetation to be protected during construction and indicated on Drawings.

B. Tree-Protection Zone: Area surrounding individual trees or groups of trees to be protected during construction and indicated on Drawings.

1.3 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Shop Drawings:

1. Include plans, elevations, sections, and locations of protection-zone fencing and signage, showing relation of equipment-movement routes and material storage locations with protection zones.

C. Samples: For each type of the following:

1. Organic Mulch: Sealed plastic bags labeled with composition of materials by percentage of weight and source of mulch.
2. Protection-Zone Fencing: Assembled Samples.
3. Protection-Zone Signage: Full-size Samples.

D. Tree Pruning Schedule: Written schedule detailing scope and extent of pruning of trees to remain that interfere with or are affected by construction.

1.5 INFORMATIONAL SUBMITTALS

A. Certification: From arborist, certifying that trees indicated to remain have been protected during construction according to recognized standards and that trees were promptly and properly treated and repaired when damaged.

B. Maintenance Recommendations: From arborist, for care and protection of trees affected by construction during and after completing the Work.

C. Existing Conditions: Documentation of existing trees and plantings indicated to remain, which establishes preconstruction conditions that might be misconstrued as damage caused by construction activities.

1.6 QUALITY ASSURANCE

- A. Arborist Qualifications: Certified Arborist as certified by ISA, licensed arborist in jurisdiction where Project is located, current member of ASCA, or registered Consulting Arborist as designated by ASCA.

1.7 FIELD CONDITIONS

- A. The following practices are prohibited within protection zones:

1. Storage of construction materials, debris, or excavated material.
2. Moving or parking vehicles or equipment.
3. Foot traffic.
4. Erection of sheds or structures.
5. Impoundment of water.
6. Excavation or other digging unless otherwise indicated.
7. Attachment of signs to or wrapping materials around trees or plants unless otherwise indicated.

- B. Do not direct vehicle or equipment exhaust toward protection zones.

- C. Prohibit heat sources, flames, ignition sources, and smoking within or near protection zones and organic mulch.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Backfill Soil: Stockpiled soil mixed with planting soil or planting soil of suitable moisture content and granular texture for placing around tree; free of stones, roots, plants, sod, clods, clay lumps, pockets of coarse sand, concrete slurry, concrete layers or chunks, cement, plaster, building debris, and other extraneous materials harmful to plant growth.

1. Mixture: Well-blended mix of two parts stockpiled soil to one part planting soil.
2. Planting Soil: Planting soil as specified in Section 329113 "Soil Preparation" or Section 329115 "Soil Preparation (Performance Specification)."

- B. Organic Mulch: Free from deleterious materials and suitable as a top dressing for trees and shrubs, consisting of one of the following:

1. Type: Shredded hardwood.

- C. Protection-Zone Fencing: Fencing fixed in position and meeting one of the following requirements:

1. Chain-Link Protection-Zone Fencing: Galvanized-steel fencing fabricated from minimum 2-inch opening, 0.148-inch diameter wire chain-link fabric; with pipe posts, minimum 2-3/8-inch OD line posts, and 2-7/8-inch OD corner and pull posts; with 1-5/8-inch OD top rails and 0.177-inch diameter bottom tension wire; with tie wires, hog ring ties, and other accessories for a complete fence system.
 - a. Height: 48 inches.
2. Plywood Protection-Zone Fencing: Plywood framed with four 2-by-4-inch rails, with 4-by-4-inch preservative-treated wood posts spaced not more than 96 inches apart.
 - a. Height: 48 inches.

3. Wood Protection-Zone Fencing: Constructed of two 2-by-4-inch horizontal rails, with 4-by-4-inch preservative-treated wood posts spaced not more than 96 inches apart, and lower rail set halfway between top rail and ground.
 - a. Height: 48 inches.
 4. Plastic Protection-Zone Fencing: Plastic construction fencing constructed of high-density extruded and stretched polyethylene fabric with 2-inch maximum opening in pattern and supported by tubular or T-shape galvanized-steel posts spaced not more than 96 inches apart. High-visibility orange color.
 - a. Height: 48 inches.
 5. Gates: Swing access gates matching material and appearance of fencing, to allow for maintenance activities within protection zones.
- D. Protection-Zone Signage: Shop-fabricated, rigid plastic or metal sheet with attachment holes prepunched and reinforced; legibly printed with nonfading lettering.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Erosion and Sedimentation Control: Examine the site to verify that temporary erosion- and sedimentation-control measures are in place. Verify that flows of water redirected from construction areas or generated by construction activity do not enter or cross protection zones.

3.2 PREPARATION

- A. Protect tree root systems from damage caused by runoff or spillage of noxious materials while mixing, placing, or storing construction materials. Protect root systems from ponding, eroding, or excessive wetting caused by dewatering operations.
- B. Tree-Protection Zones: Mulch areas inside tree-protection zones and other areas indicated. Do not exceed indicated thickness of mulch.
1. Apply 4-inch uniform thickness of organic mulch unless otherwise indicated. Do not place mulch within 6 inches of tree trunks.

3.3 PROTECTION ZONES

- A. Protection-Zone Fencing: Install protection-zone fencing along edges of protection zones in a manner that will prevent people from easily entering protected areas except by entrance gates.
1. Chain-Link Fencing: Install to comply with ASTM F567 and with manufacturer's written instructions.
 2. Posts: Set or drive posts into ground one-third the total height of the fence without concrete footings. Where a post is located on existing paving or concrete to remain, provide appropriate means of post support acceptable to Architect.
 3. Access Gates: Install where required.
- B. Protection-Zone Signage: Install protection-zone signage in visibly prominent locations in a manner approved by Architect.
- C. Maintain protection zones free of weeds and trash.

D. Maintain protection-zone fencing and signage in good condition as acceptable to Architect and remove when construction operations are complete and equipment has been removed from the site.

3.4 EXCAVATION

A. General: Excavate at edge of protection zones and for trenches indicated within protection zones according to requirements in Section 312000 "Earth Moving" unless otherwise indicated.

B. Trenching within Protection Zones: Where utility trenches are required within protection zones, excavate under or around tree roots by hand or with air spade, or tunnel under the roots by drilling, auger boring, or pipe jacking. Do not cut main lateral tree roots or taproots; cut only smaller roots that interfere with installation of utilities. Cut roots as required for root pruning.

C. Do not allow exposed roots to dry out before placing permanent backfill.

3.5 ROOT PRUNING

A. Prune tree roots that are affected by temporary and permanent construction. Prune roots as follows:

1. Cut roots manually by digging a trench and cutting exposed roots with sharp pruning instruments; do not break, tear, chop, or slant the cuts. Do not use a backhoe or other equipment that rips, tears, or pulls roots.
2. Temporarily support and protect roots from damage until they are permanently redirected and covered with soil.
3. Cover exposed roots with burlap and water regularly.
4. Backfill as soon as possible according to requirements in Section 312000 "Earth Moving."

B. Root Pruning at Edge of Protection Zone: Prune tree roots by cleanly cutting all roots to the depth of the required excavation.

C. Root Pruning within Protection Zone: Clear and excavate by hand or with air spade to the depth of the required excavation to minimize damage to tree root systems. If excavating by hand, use narrow-tine spading forks to comb soil to expose roots. Cleanly cut roots as close to excavation as possible.

3.6 CROWN PRUNING

A. Prune branches that are affected by temporary and permanent construction. Prune branches as directed by arborist.

1. Prune to remove only injured, broken, dying, or dead branches unless otherwise indicated. Do not prune for shape unless otherwise indicated.
2. Do not remove or reduce living branches to compensate for root loss caused by damaging or cutting root system.
3. Pruning Standards: Prune trees according to ANSI A300 (Part 1).

B. Cut branches with sharp pruning instruments; do not break or chop.

C. Do not paint or apply sealants to wounds.

D. Chip removed branches and dispose of off-site.

3.7 REGRADING

- A. Lowering Grade: Where new finish grade is indicated below existing grade around trees, slope grade beyond the protection zone. Maintain existing grades within the protection zone.
- B. Raising Grade: Where new finish grade is indicated above existing grade around trees, slope grade beyond the protection zone. Maintain existing grades within the protection zone.
- C. Minor Fill within Protection Zone: Where existing grade is 2 inches or less below elevation of finish grade, fill with backfill soil. Place backfill soil in a single uncompacted layer and hand grade to required finish elevations.

3.8 FIELD QUALITY CONTROL

- A. Inspections: Engage a qualified arborist to direct plant-protection measures in the vicinity of trees, shrubs, and other vegetation indicated to remain and to prepare inspection reports.

3.9 REPAIR AND REPLACEMENT

- A. General: Repair or replace trees, shrubs, and other vegetation indicated to remain or to be relocated that are damaged by construction operations, in a manner approved by Architect.
 - 1. Perform repairs of damaged trunks, branches, and roots within 24 hours according to arborist's written instructions.
 - 2. Replace trees and other plants that cannot be repaired and restored to full-growth status, as determined by Architect.
- B. Excess Mulch: Rake mulched area within protection zones, being careful not to injure roots. Rake to loosen and remove mulch that exceeds a 4-inch uniform thickness to remain.

3.10 DISPOSAL OF SURPLUS AND WASTE MATERIALS

- A. Disposal: Remove excess excavated material, displaced trees, trash, and debris and legally dispose of them off Owner's property.

END OF SECTION

SECTION 01 5723
TEMPORARY STORMWATER POLLUTION CONTROL

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:

1. Temporary stormwater pollution controls.

1.2 STORMWATER POLLUTION PREVENTION PLAN

- A. The Stormwater Pollution Prevention Plan (SWPPP) is part of the Contract Documents and is bound into this Project Manual.

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

1.4 INFORMATIONAL SUBMITTALS

- A. Stormwater Pollution Prevention Plan (SWPP): Within 15 days of date established for commencement of the Work, submit completed SWPPP.
- B. General Permit for Discharges of Stormwater from Construction Activities, VAR10, Registration Statement 2019. Within 30 days of date established for commencement of the Work, submit completed Registration Statement submitted to DEQ.
- C. Stormwater Pollution Prevention (SWPP) Training Log: For each individual performing Work under the SWPPP.
- D. Inspection reports.

1.5 QUALITY ASSURANCE

- A. Stormwater Pollution Prevention Plan (SWPPP) Coordinator: Experienced individual or firm with a record of successful water pollution control management coordination of projects with similar requirements.
1. SWPPP Coordinator shall complete and finalize the SWPPP form.
 2. SWPPP Coordinator shall be responsible for inspections and maintaining of all requirements of the SWPPP.
- B. Installers: Trained as indicated in the SWPPP.

PART 2 PRODUCTS

2.1 TEMPORARY STORMWATER POLLUTION CONTROLS

- A. Provide temporary stormwater pollution controls as required by the SWPPP.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Comply with all best management practices, general requirements, performance requirements, reporting requirements, and all other requirements included in the SWPPP.

- B. Locate stormwater pollution controls in accordance with the SWPPP.
- C. Conduct construction as required to comply with the SWPPP and that minimize possible contamination or pollution or other undesirable effects.
 - 1. Inspect, repair, and maintain SWPPP controls during construction.
 - a. Inspect all SWPPP controls not less than every seven days, and after each occurrence of a storm event, as outlined in the SWPPP.
- D. Remove SWPPP controls at completion of construction and restore and stabilize areas disturbed during construction.

END OF SECTION

SECTION 017419 - CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for the following:
 - 1. Recycling nonhazardous demolition waste.
 - 2. Disposing of nonhazardous demolition waste.
- B. Related Requirements:
 - 1. Section 311000 "Site Clearing" for disposition of waste resulting from site clearing and removal of above- and below-grade improvements.

1.2 DEFINITIONS

- A. Demolition Waste: Building, structure, and site improvement materials resulting from demolition operations.
- B. Disposal: Removal of demolition or construction waste and subsequent salvage, sale, recycling, or deposit in landfill, incinerator acceptable to authorities having jurisdiction, or designated spoil areas on Owner's property.
- C. Recycle: Recovery of demolition or construction waste for subsequent processing in preparation for reuse.

1.3 ACTION SUBMITTALS

- A. Waste Management Plan: Submit plan within 30 days of date established for the Notice to Proceed .

1.4 WASTE MANAGEMENT PLAN

- A. General: Develop a waste management plan according to 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.
- B. Waste Identification: Indicate anticipated types and quantities of demolition waste generated by the Work. Include estimated quantities and assumptions for estimates.
- C. Waste Reduction Work Plan: List each type of waste and whether it will be salvaged, 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.

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

PART 2 - PRODUCTS

PART 3 - EXECUTION

3.1 PLAN IMPLEMENTATION

- A. 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.
- B. Training: Train workers, subcontractors, and suppliers on proper waste management procedures, as appropriate for the Work.
 1. Distribute waste management plan to entities when they first begin work on-site. Review plan procedures and locations established for salvage, recycling, and disposal.
- C. 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.

3.2 RECYCLING DEMOLITION WASTE, GENERAL

- A. General: Recycle paper and beverage containers used by on-site workers.
- B. Recycling Incentives: Revenues, savings, rebates, tax credits, and other incentives received for recycling waste materials shall accrue to Contractor .
- C. Preparation of Waste: Prepare and maintain recyclable waste materials according to recycling or reuse facility requirements. Maintain materials free of dirt, adhesives, solvents, petroleum contamination, and other substances deleterious to the recycling process.
- D. 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.
 1. Provide appropriately marked containers or bins for controlling recyclable waste until removed from Project site. Include list of acceptable and unacceptable materials at each container and bin.
 - a. Inspect containers and bins for contamination and remove contaminated materials if found.
 2. Remove recyclable waste from Owner's property and transport to recycling receiver or processor as often as required to prevent overfilling bins.

SECTION 017419 - CONSTRUCTION WASTE
MANAGEMENT AND DISPOSAL
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3.3 DISPOSAL OF WASTE

- A. General: Except for items or materials to be salvaged or recycled, remove waste materials from Project site and legally dispose of them in a landfill or incinerator acceptable to authorities having jurisdiction.
 - 1. Except as otherwise specified, do not allow waste materials that are to be disposed of accumulate on-site.
 - 2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.

- B. Burning: Do not burn waste materials.

END OF SECTION 017419

SECTION 02 4116
STRUCTURE DEMOLITION

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:

1. Abandoning in-place or removing below-grade construction.
2. Disconnecting, capping or sealing, and abandoning in-place or removing site utilities.
3. Salvaging items for reuse by Owner.

B. Related Sections:

1. Division 01 Section 017419 "Construction Waste Management and Disposal."

1.2 MATERIALS OWNERSHIP

A. Unless otherwise indicated, demolition waste becomes property of Contractor.

B. Historic items, relics, antiques, and similar objects including, but not limited to, cornerstones and their contents, commemorative plaques and tablets, and other items of interest or value to Owner that may be uncovered during demolition remain the property of Owner.

1. Carefully salvage in a manner to prevent damage and promptly return to Owner.

1.3 PREINSTALLATION MEETINGS

A. Predemolition Conference: Conduct conference at Project site.

1.4 INFORMATIONAL SUBMITTALS

A. Engineering Survey: Submit engineering survey of condition of building.

B. Proposed Protection Measures: Submit report, including Drawings, that indicates the measures proposed for protecting individuals and property, for dust control and, for noise control. Indicate proposed locations and construction of barriers.

1. Adjacent Buildings: Detail special measures proposed to protect adjacent buildings to remain including means of egress from those buildings.

C. Schedule of building demolition activities with starting and ending dates for each activity.

D. Predemolition photographs or video.

E. Statement of Refrigerant Recovery: Signed by refrigerant recovery technician.

1.5 CLOSEOUT SUBMITTALS

A. Inventory of items that have been removed and salvaged.

1.6 QUALITY ASSURANCE

A. Refrigerant Recovery Technician Qualifications: Certified by EPA-approved certification program.

1.7 FIELD CONDITIONS

A. Buildings to be demolished will be vacated and their use discontinued before start of the Work.

B. Buildings immediately adjacent to demolition area will be occupied. Conduct building demolition so operations of occupied buildings will not be disrupted.

1. Provide not less than 72 hours' notice of activities that will affect operations of adjacent occupied buildings.
 2. Maintain access to existing walkways, exits, and other facilities used by occupants of adjacent buildings.
 - a. Do not close or obstruct walkways, exits, or other facilities used by occupants of adjacent buildings without written permission from authorities having jurisdiction.
- C. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.
1. Before building demolition, Owner will remove the following items:
 - a. To be determined by Owner, if applicable.
- D. Hazardous Materials: It is not expected that hazardous materials will be encountered in the Work.
1. Hazardous materials will be removed by Owner before start of the Work.
 2. If materials suspected of containing hazardous materials are encountered, do not disturb; immediately notify Architect and Owner. Hazardous materials will be removed by Owner under a separate contract.
- E. On-site storage or sale of removed items or materials is not permitted.
- F. Arrange demolition schedule so as not to interfere with Owner's on-site operations or operations of adjacent occupied buildings.

PART 2 PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Regulatory Requirements: Comply with governing EPA notification regulations before beginning demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.
- B. Standards: Comply with ANSI/ASSE A10.6 and NFPA 241.

2.2 SOIL MATERIALS

- A. Satisfactory Soils: Comply with requirements in Section 312000 "Earth Moving."

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that utilities have been disconnected and capped before starting demolition operations.
- B. Engage a professional engineer to perform an engineering survey of condition of building to determine whether removing any element might result in structural deficiency or unplanned collapse of any portion of structure or adjacent structures during building demolition operations.
- C. Inventory and record the condition of items to be removed and salvaged.

3.2 PREPARATION

- A. Refrigerant: Before starting demolition, remove refrigerant from mechanical equipment according to 40 CFR 82 and regulations of authorities having jurisdiction.
- B. Salvaged Items: Comply with the following:
 1. Clean salvaged items of dirt and demolition debris.

2. Pack or crate items after cleaning. Identify contents of containers.
3. Store items in a secure area until delivery to Owner.
4. Transport items to storage area designated by Owner.
5. Protect items from damage during transport and storage.

3.3 UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS

A. Existing Utilities to be Disconnected: Locate, identify, disconnect, and seal or cap off utilities serving buildings and structures to be demolished.

1. Owner will arrange to shut off utilities when requested by Contractor.
2. Arrange to shut off utilities with utility companies.
3. If removal, relocation, or abandonment of utility services will affect adjacent occupied buildings, then provide temporary utilities that bypass buildings and structures to be demolished and that maintain continuity of service to other buildings and structures.
4. Cut off pipe or conduit a minimum of 24 inches below grade. Cap, valve, or plug and seal remaining portion of pipe or conduit after bypassing according to requirements of authorities having jurisdiction.
5. Do not start demolition work until utility disconnecting and sealing have been completed and verified in writing.

3.4 PROTECTION

A. Existing Facilities: Protect adjacent walkways, building entries, and other building facilities during demolition operations. Maintain exits from existing buildings.

B. Temporary Shoring: Provide and maintain interior and exterior shoring, bracing, or structural support to preserve stability and prevent unexpected movement or collapse of construction being demolished.

C. Existing Utilities to Remain: Maintain utility services to remain and protect from damage during demolition operations. Do not interrupt existing utilities serving adjacent occupied or operating facilities unless authorized in writing by Owner and authorities having jurisdiction.

D. Temporary Protection: Erect temporary protection, such as walks, fences, railings, canopies, and covered passageways, where required by authorities having jurisdiction and as indicated. Comply with requirements in Section 015000 "Temporary Facilities and Controls."

1. Protect adjacent buildings and facilities from damage due to demolition activities.
2. Protect existing site improvements, appurtenances, and landscaping to remain.
3. Erect a plainly visible fence around drip line of individual trees or around perimeter drip line of groups of trees to remain.
4. Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.
5. Provide protection to ensure safe passage of people around building demolition area and to and from occupied portions of adjacent buildings and structures.
6. Protect walls, windows, roofs, and other adjacent exterior construction that are to remain and that are exposed to building demolition operations.

7. Erect and maintain dustproof partitions and temporary enclosures to limit dust, noise, and dirt migration to occupied portions of adjacent buildings.
- E. Remove temporary barriers and protections where hazards no longer exist. Where open excavations or other hazardous conditions remain, leave temporary barriers and protections in place.

3.5 DEMOLITION

- A. General: Demolish site improvements completely. Use methods required to complete the Work within limitations of governing regulations and as follows:
1. Do not use cutting torches until work area is cleared of flammable materials. Maintain portable fire-suppression devices during flame-cutting operations.
 2. Maintain fire watch during and for at least <Insert number> hours after flame-cutting operations.
 3. Maintain adequate ventilation when using cutting torches.
 4. Locate building demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.
- B. Site Access and Temporary Controls: Conduct building demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
1. Do not close or obstruct streets, walks, walkways, or other adjacent occupied or used facilities without permission from Owner and authorities having jurisdiction. Provide alternate routes around closed or obstructed trafficways if required by authorities having jurisdiction.
 2. Use water mist and other suitable methods to limit spread of dust and dirt. Comply with governing environmental-protection regulations.
- C. Explosives: Use of explosives is not permitted.
- D. Proceed with demolition of structural framing members systematically, from higher to lower level. Complete building demolition operations above each floor or tier before disturbing supporting members on the next lower level.
- E. Remove debris from elevated portions of the building by chute, hoist, or other device that will convey debris to grade level in a controlled descent.
- F. Salvage: Items to be removed and salvaged are indicated on Drawings.
- G. Existing Utilities: Demolish or abandon existing utilities and below-grade utility.
- H. Below-Grade Areas: Completely fill below-grade areas and voids resulting from building demolition operations with satisfactory soil materials recycled, pulverized concrete, and/or recycled pulverized masonry according to backfill requirements in Section 312000 "Earth Moving."
- I. Site Grading: Uniformly rough grade area of demolished construction to a smooth surface, free from irregular surface changes. Provide a smooth transition between adjacent existing grades and new grades.
- J. Promptly repair damage caused by demolition operations.

3.6 CLEANING

- A. Remove demolition waste materials from Project site and recycle or dispose of them according to Section "Construction Waste Management and Disposal."
- B. Do not burn demolished materials.
- C. Clean adjacent structures and improvements of dust, dirt, and debris caused by building demolition operations. Return adjacent areas to condition existing before building demolition operations began.

END OF SECTION

SECTION 31 1000
SITE CLEARING

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:

1. Protecting existing vegetation to remain.
2. Removing existing vegetation.
3. Clearing and grubbing.
4. Stripping and stockpiling topsoil.
5. Removing above- and below-grade site improvements.
6. Disconnecting, capping or sealing, abandoning and removing site utilities.
7. Temporary erosion and sedimentation-control measures.

B. Related Sections:

1. Division 01 Section "Temporary Facilities and Controls" for temporary utility services, construction and support facilities, security and protection facilities.
2. Division 02 Section 02 4116 "Structure Demolition" for demolition of buildings, structures, and site improvements.

1.2 DEFINITIONS

- A. Subsoil: All soil beneath the topsoil layer of the soil profile, and typified by the lack of organic matter and soil organisms.
- B. Surface Soil: Soil that is present at the top layer of the existing soil profile at the Project site. In undisturbed areas, the surface soil is typically topsoil; but in disturbed areas such as urban environments, the surface soil can be subsoil.
- C. Topsoil: Top layer of the soil profile consisting of existing native surface topsoil or existing in-place surface soil and is the zone where plant roots grow. Its appearance is generally friable, pervious, and black or a darker shade of brown, gray, or red than underlying subsoil; reasonably free of subsoil, clay lumps, gravel, and other objects more than 2 inches in diameter; and free of subsoil and weeds, roots, toxic materials, or other non-soil materials.
- D. Plant-Protection Zone: Area surrounding individual trees, groups of trees, shrubs, or other vegetation to be protected during construction, and indicated on Drawings.
- E. Tree-Protection Zone: Area surrounding individual trees or groups of trees to be protected during construction, and defined by a circle concentric with each tree with a radius 1.5 times the diameter of the drip line unless otherwise indicated.
- F. Vegetation: Trees, shrubs, groundcovers, grass, and other plants.

1.3 MATERIAL OWNERSHIP

- A. Except for stripped topsoil and other materials indicated to be stockpiled or otherwise remain Owner's property, cleared materials shall become Contractor's property and shall be removed from Project site.

1.4 INFORMATIONAL SUBMITTALS

- A. Record Drawings: Identifying and accurately showing locations of capped or abandoned utilities and other subsurface structural, electrical, and mechanical conditions.

1.5 PROJECT CONDITIONS

- A. Traffic: Minimize interference with adjoining roads, streets, walks, and other adjacent occupied or used facilities during site-clearing operations.

1. Do not close or obstruct streets, walks, or other adjacent occupied or used facilities without permission from Owner and authorities having jurisdiction.
2. Provide alternate routes around closed or obstructed traffic ways if required by Owner or authorities having jurisdiction.

- B. Salvable Improvements: Carefully remove items indicated to be salvaged and store on Owner's premises where indicated or as directed by Owner.

- C. Utility Locator Service: Notify Miss Utility for area where Project is located before site clearing.

- D. Do not commence site clearing operations until temporary erosion and sedimentation control and tree protection measures are in place.

- E. Underground Storage Tank (UST): Coordinate with Owner for removal, assessment, soils testing and related requirements for any UST encountered during site-clearing operations in accordance with USTs Removal specifications.

- F. The following practices are prohibited within protection zones:

1. Storage of construction materials, debris, or excavated material.
2. Parking vehicles or equipment.
3. Foot traffic.
4. Erection of sheds or structures.
5. Impoundment of water.
6. Excavation or other digging unless otherwise indicated.
7. Attachment of signs to or wrapping materials around trees or plants unless otherwise indicated.

- G. Do not direct vehicle or equipment exhaust towards protection zones.

- H. Prohibit heat sources, flames, ignition sources, and smoking within or near protection zones.

- I. Soil Stripping, Handling, and Stockpiling: Perform only when the topsoil is dry or slightly moist.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Satisfactory Soil Material: Requirements for satisfactory soil material are specified in Division 31 Section "Earth Moving."

1. Obtain approved borrow soil material off-site when satisfactory soil material is not available on-site.

PART 3 EXECUTION

3.1 PREPARATION

- A. Protect and maintain benchmarks and survey control points from disturbance during construction.
- B. Protect existing site improvements to remain from damage during construction.
 - 1. Restore damaged improvements to their original condition, as acceptable to Owner.

3.2 TEMPORARY EROSION AND SEDIMENTATION CONTROL

- A. Provide temporary erosion and sedimentation control measures to prevent soil erosion and discharge of soil-bearing water runoff or airborne dust to adjacent properties, roadways and walkways, according to the erosion and sedimentation control Drawings and requirements of authorities having jurisdiction.
- B. Verify that flows of water redirected from construction areas or generated by construction activity do not enter or cross protection zones.
- C. Inspect, maintain, and repair erosion and sedimentation control measures during construction until permanent vegetation has been established.
- D. Remove erosion and sedimentation controls and restore and stabilize areas disturbed during removal.

3.3 TREE AND PLANT PROTECTION

- A. General: Protect trees and plants remaining on-site as indicated and according to requirements in Division 01 Section "Temporary Tree and Plant Protection" and as shown on drawings.
- B. Repair or replace trees, shrubs, and other vegetation indicated to remain or be relocated that are damaged by construction operations, in a manner approved by Architect and Owner.
- C. Remove and salvage trees shown for replanting. Coordinate with Owner for new planting locations.

3.4 EXISTING UTILITIES

- A. Owner will arrange for disconnecting and sealing indicated utilities that serve existing structures before site clearing, when requested by Contractor.
 - 1. Verify that utilities have been disconnected and capped before proceeding with site clearing.
- B. Locate, identify, disconnect, and seal or cap utilities indicated to be removed or abandoned in place.
 - 1. Arrange with utility companies to shut off indicated utilities.
 - 2. Owner will arrange to shut off indicated utilities when requested by Contractor.
- C. Locate, identify, and disconnect utilities indicated to be abandoned in place.
- D. Interrupting Existing Utilities: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary utility services according to requirements indicated:
 - 1. Notify Architect not less than 14 days in advance of proposed utility interruptions.
 - 2. Do not proceed with utility interruptions without Owner and Architect's written permission.
- E. Excavate for and remove underground utilities indicated to be removed.

3.5 CLEARING AND GRUBBING

- A. Remove obstructions, trees, shrubs, and other vegetation to permit installation of new construction.
 - 1. Do not remove trees, shrubs, and other vegetation indicated to remain or to be relocated.
 - 2. Remove stumps, remove roots larger than 3 inches in diameter, obstructions, and debris to a depth of 18 inches below exposed subgrade.
 - 3. Use only hand methods or air spade for grubbing within protection zones.
 - 4. Chip removed tree branches and dispose of off-site.
- B. Fill depressions caused by clearing and grubbing operations with satisfactory soil material unless further excavation or earthwork is indicated.
 - 1. Place fill material in horizontal layers not exceeding a loose depth of 8 inches, and compact each layer to a density equal to adjacent original ground.

3.6 TOPSOIL STRIPPING

- A. Remove sod and grass before stripping topsoil.
- B. Strip topsoil in a manner to prevent intermingling with underlying subsoil or other waste materials.
 - 1. Remove subsoil and nonsoil materials from topsoil, including clay lumps, gravel, and other objects more than 2 inches in diameter; trash, debris, weeds, roots, and other waste materials.
- C. Stockpile topsoil away from edge of excavations without intermixing with subsoil. Grade and shape stockpiles to drain surface water. Cover to prevent windblown dust and erosion by water.
 - 1. Do not stockpile topsoil within protection zones.
 - 2. Dispose of surplus topsoil. Surplus topsoil is that which exceeds quantity indicated to be stockpiled or reused.

3.7 SITE IMPROVEMENTS

- A. Remove existing above- and below-grade improvements as indicated and necessary to facilitate new construction.
- B. Remove slabs, paving, curbs, gutters, and aggregate base as indicated.
 - 1. Unless existing full-depth joints coincide with line of demolition, neatly saw-cut along line of existing pavement to remain before removing adjacent existing pavement. Saw-cut faces vertically.
 - 2. Paint cut ends of steel reinforcement in concrete to remain with two coats of antirust coating, following coating manufacturer's written instructions. Keep paint off surfaces that will remain exposed.

3.8 DISPOSAL OF SURPLUS AND WASTE MATERIALS

- A. Remove surplus soil material, unsuitable topsoil, obstructions, demolished materials, and waste materials including trash and debris, and legally dispose of them off Owner's property.
- B. Separate recyclable materials produced during site clearing from other nonrecyclable materials. Store or stockpile without intermixing with other materials and transport them to recycling facilities. Do not interfere with other Project work.

END OF SECTION

SECTION 31 2000
EARTH MOVING

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:

1. Excavating and backfilling for rough grading the Site.
2. Preparing subgrades for walks, and pavements.
3. Subbase course for walks and pavements.
4. Excavating and backfilling trenches for utilities.
5. Preparing soils for placement of topsoil.

B. Related Sections:

1. Division 01 Section 01 5000 "Temporary Facilities and Controls" for temporary controls, utilities, and support facilities; also for temporary site fencing if not in another Section.
2. Division 31 Section 31 1000 "Site Clearing" for site stripping, grubbing, stripping and stockpiling topsoil, and removal of above- and below-grade improvements and utilities.

1.2 UNIT PRICES

A. Related Sections:

1. Division 1 Section

1.3 TECHNICAL STANDARDS

A. Virginia Department of Transportation (VDOT) Road and Bridge Specifications, latest edition.

B. Hampton Roads Regional Construction Standards.

C. City of Newport News Design Criteria Manual.

1.4 GEOTECHNICAL REPORTS

A. Not included..

1.5 DEFINITIONS

A. Backfill: Soil material or controlled low-strength material used to fill an excavation.

1. Initial Backfill: Backfill placed beside and over pipe in a trench, including haunches to support sides of pipe.
2. Final Backfill: Backfill placed over initial backfill to fill a trench.

B. Base Course: Aggregate layer placed between the subbase course and hot-mix asphalt paving.

C. Bedding Course: Aggregate layer placed over the excavated subgrade in a trench before laying pipe.

D. Borrow Soil: Satisfactory soil imported from off-site for use as fill or backfill.

E. Excavation: Removal of material encountered above subgrade elevations and to lines and dimensions indicated.

1. Authorized Additional Excavation: Excavation below subgrade elevations or beyond indicated lines and dimensions as directed by the Owner's geotechnical inspector. Authorized additional excavation and replacement material will be paid for according to Contract provisions for unit prices as specified on the Bid Form.
2. Unauthorized Excavation: Excavation below subgrade elevations or beyond indicated lines and dimensions without direction by Owner's geotechnical inspector. Unauthorized excavation, as well as remedial work directed by Owner's geotechnical inspector, shall be without additional compensation.

F. Fill: Soil materials used to raise existing grades.

G. Structures: Buildings, footings, foundations, retaining walls, slabs, tanks, curbs, mechanical and electrical appurtenances, or other man-made stationary features constructed above or below the ground surface.

H. Subgrade: Uppermost surface of an excavation or the top surface of a fill or backfill immediately below subbase, drainage fill, drainage course, or topsoil materials.

I. Utilities: On-site underground pipes, conduits, ducts, and cables, as well as underground services within buildings.

1.6 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct preexcavation conference at Project site a minimum of 48 hours prior to commencement of construction.

1.7 SUBMITTALS

A. Product Data: For each type of the following manufactured products required:

1. Geotextiles.
2. Warning tapes.
3. Tracer wire.

B. Material Test Reports: Prior to bring material on-site, for each off-site soil material proposed for fill and backfill as follows:

1. Classification according to ASTM D 2487.
2. Laboratory compaction curve according to ASTM D 698.

1.8 QUALITY ASSURANCE

A. The Owner will retain the services of a geotechnical firm to perform required testing and inspections of work under this Section.

1.9 PROJECT CONDITIONS

A. Utility Locator Service: Notify "VA811/Miss Utility" for area where Project is located before beginning clearing or earth moving operations.

B. Do not commence clearing or earth moving operations until temporary erosion and sedimentation control measures are in place and inspected.

C. Where hazardous materials are encountered in site work, work shall be stopped and the Owner's Project Manager and Architect notified.

D. The following practices are prohibited within protection zones:

1. Storage of construction materials, debris, or excavated material.
 2. Parking vehicles or equipment.
 3. Foot traffic.
 4. Erection of sheds or structures.
 5. Impoundment of water.
 6. Excavation or other digging unless otherwise indicated.
 7. Attachment of signs to or wrapping materials around trees or plants unless otherwise indicated.
- E. Do not direct vehicle or equipment exhaust towards protection zones.
- F. Prohibit heat sources, flames, ignition sources, and smoking within or near protection zones.

PART 2 PRODUCTS

SOIL MATERIALS

- A. General: Provide borrow soil materials when sufficient satisfactory soil materials are not available from excavations.
- B. Structural Fill shall be non-expansive and free of organic matter, debris, and particles larger than 2 inches in size. Proposed fill material should be subjected to laboratory tests consisting of, but not necessarily limited to moisture density determinations, Atterberg limits, and sieve analysis. Controlled structural fill should classify per the Unified Soil Classification System (USCS) as SW, SP, SP-SM, or SM with a maximum of 20 percent fines passing the No. 200 sieve.
- C. General/Non-Structural Fill: Soils not meeting the requirements for structural fill shall be used for backfill in 'green' areas. The maximum particle size shall be two inches largest dimension. Maximum sized particles shall not be in excess of 20 percent of the volume of fill material, and such particles shall be well distributed throughout the mass. Fill material shall not contain frozen masses of soil and shall not be placed on saturated, frozen, or frost-covered subgrade. General Fill shall be only soil material and should be free of organics and debris. General Fill shall be compacted to at least 85% of the Standard Proctor dry density.
- D. Unsatisfactory Soils shall be defined as material that does not meet the definitions for General Fill or Structural Fill. Unsatisfactory soils also include satisfactory soils not maintained within 2 percent of optimum moisture content at time of compaction or materials containing roots, debris, or other non-soils materials.
- E. Soils which do not precisely meet the requirements listed above may be approved by the Owner's geotechnical inspector.
- F. Approved Granular Material: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, meeting the requirements of VDOT #57 stone as specified in Section 203 of the VDOT Road and Bridge Specifications.
- G. Approved Aggregate Backfill Material: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, meeting the requirements of VDOT #21B stone as specified in Section 203 of the VDOT Road and Bridge Specifications.

H. Bedding Material: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, meeting the requirements of VDOT #26 stone as specified in Section 205 of the VDOT Road and Bridge Specifications.

2.2 GEOTEXTILES

A. Separation Geotextile: Woven geotextile fabric, manufactured for separation applications, made from polyolefins or polyesters; with elongation less than 50 percent; complying with VDOT requirements for geotextile use in stabilization. VDOT requirements are generally summarized as follows:

1. AASHTO M 288 for strength property requirements, Table 1, Class 3, for grab strength, tear strength, and puncture strength.
2. Apparent opening size: Max. No. 20 sieve.

2.3 ACCESSORIES

A. Tracer Wire: Required for all non-conductive pipe. Trace wire shall be taped to the top center of pipe. Tracer wire shall be 12 gauge, TW/THW, PVC insulation, solid strand.

B. Non-Detectable Warning Tape: Acid- and alkali-resistant, polyethylene film warning tape manufactured for marking and identifying underground utilities, a minimum of 6 inches wide and 4 mils thick, continuously inscribed with a description of the utility; colored as follows:

1. Red: Electric.
2. Orange: Telephone and other communications.
3. Blue: Water systems.
4. Green: Sewer systems (sanitary and storm).
5. Yellow: Gas, Steam.

PART 3 EXECUTION

3.1 PREPARATION

A. Protect structures, utilities, sidewalks, pavements, and other facilities from damage caused by settlement, lateral movement, undermining, washout, and other hazards created by earth moving operations.

B. Protect and maintain erosion and sedimentation controls during earth moving operations.

C. Protect subgrades and foundation soils from freezing temperatures and frost. Remove temporary protection before placing subsequent materials.

3.2 DEWATERING

A. Prevent surface water and ground water from entering excavations, from ponding on prepared subgrades, and from flooding Project site and surrounding area.

B. Protect subgrades from softening, undermining, washout, and damage by rain or water accumulation.

1. Reroute surface water runoff away from excavated areas. Do not allow water to accumulate in excavations. Do not use excavated trenches as temporary drainage ditches.

C. As determined by the Owner's geotechnical inspector, undercutting and backfill of soils resulting from inadequate protection of the subgrade from water will not be considered for payment under the unit costs in the Bid Form or any other additional cost to the Owner.

D. Any water from dewatering shall be discharged through an approved sediment removal trap or device.

3.3 EXPLOSIVES

A. Explosives: Do not use explosives.

3.4 EXCAVATION, GENERAL

A. Unclassified Excavation: Excavate to subgrade elevations regardless of the character of surface and subsurface conditions encountered, except as noted on the Bid Form. Prior to excavation of material that may fall under the unit cost criteria, the Owner's geotechnical inspector or Project Manager shall verify and document that the material falls under the unit cost criteria, direct extent of excavation, and record quantities.

1. If excavated materials intended for fill and backfill include unsatisfactory soil materials and rock, replace with satisfactory soil materials.

3.5 EXCAVATION FOR STRUCTURES

A. Excavate to indicated elevations and dimensions within a tolerance of plus or minus 1 inch. If applicable, extend excavations a sufficient distance from structures for placing and removing concrete formwork, for installing services and other construction, and for inspections.

1. Excavations for Footings and Foundations: Do not disturb bottom of excavation. Excavate by hand to final grade just before placing concrete reinforcement. Trim bottoms to required lines and grades to leave solid base to receive other work.
2. Excavation for Underground Structures: Excavate to elevations and dimensions indicated within a tolerance of plus or minus 1 inch. Do not disturb bottom of excavations intended as bearing surfaces.
3. Excavation for Underground Tanks, Basins, and Mechanical or Electrical Utility Structures: Excavate to elevations and dimensions indicated within a tolerance of plus or minus 1 inch. Do not disturb bottom of excavations intended as bearing surfaces.

B. Excavations at Edges of Tree- and Plant-Protection Zones:

1. Excavate by hand or with an air spade to indicated lines, cross sections, elevations, and subgrades. If excavating by hand, use narrow-tine spading forks to comb soil and expose roots. Do not break, tear, or chop exposed roots. Do not use mechanical equipment that rips, tears, or pulls roots.
2. Cut and protect roots according to requirements in Section 015639 "Temporary Tree and Plant Protection."
3. Provide slow release fertilizer for tree root damage caused by construction activities.

3.6 EXCAVATION FOR WALKS AND PAVEMENTS

A. Excavate surfaces under walks and pavements to indicated lines, cross sections, elevations, and subgrades.

3.7 EXCAVATION FOR UTILITY TRENCHES

A. Excavate trenches to indicated gradients, lines, depths, and elevations.

B. Excavate trenches to uniform widths to provide the following clearance on each side of pipe or conduit. Excavate trench walls vertically from trench bottom to 12 inches higher than top of pipe or conduit unless otherwise indicated.

1. Clearance: 12 inches each side of pipe or conduit.

C. Trench Bottoms: Excavate and shape trench bottoms to provide uniform bearing and support of pipes and conduit or as required for bedding, see drawings for bedding requirements for each service type. Where no bedding is required, shape subgrade to provide continuous support for bells, joints, and barrels of pipes and for joints, fittings, and bodies of conduits. Remove projecting stones and sharp objects along trench subgrade.

D. Trenches in Tree- and Plant-Protection Zones:

1. Hand-excavate to indicated lines, cross sections, elevations, and subgrades. Use narrow-tine spading forks to comb soil and expose roots. Do not break, tear, or chop exposed roots. Do not use mechanical equipment that rips, tears, or pulls roots.
2. Do not cut main lateral roots or taproots; cut only smaller roots that interfere with installation of utilities.
3. Cut and protect roots according to requirements in Section 015639 "Temporary Tree and Plant Protection."
4. Provide slow release fertilizer for tree root damage caused by construction activities.

3.8 SUBGRADE INSPECTION

- A. Notify Owner's geotechnical inspector when excavations have reached required subgrade.
- B. If Owner's geotechnical inspector determines that unsatisfactory soil is present, continue excavation and replace with compacted backfill or fill material as directed.
- C. Authorized additional excavation and replacement material will be paid for according to Contract provisions for unit prices in the Bid Form.
- D. Reconstruct subgrades damaged by freezing temperatures, frost, rain, accumulated water, or construction activities, as directed by Owner's geotechnical inspector, without additional compensation.

3.9 STORAGE OF SOIL MATERIALS

- A. Stockpile borrow soil materials and excavated satisfactory soil materials without intermixing. Place, grade, and shape stockpiles to drain surface water. Cover to prevent windblown dust and protect from rainfall.
1. Stockpile soil materials away from edge of excavations. Do not store within drip line of remaining trees.

3.10 ACCESSORIES

- A. Tracer Wire: Required for all non-conductive pipe, including water, sewer, and storm sewer. Tape tracer wire to the top center of pipe. Tracer wire shall extend to hand holes or manholes.
- B. Non-Detectable Warning Tape: Required for all pipe, conduit, and duct bank, including water, irrigation, sewer, and storm sewer. Use color appropriate for service. Install 12" below finished grade.

3.11 BACKFILL

- A. Place and compact backfill in excavations promptly, but not before completing the following:
 - 1. Construction below finish grade including.
 - 2. Surveying locations of underground utilities for Record Documents.
 - 3. Testing and inspecting underground utilities.
 - 4. Removing concrete formwork.
 - 5. Removing trash and debris.
- B. Place backfill on subgrades free of mud, frost, snow, or ice.

3.12 UTILITY TRENCH BACKFILL

- A. See drawings for required utility trench backfill sections.
- B. Place backfill on subgrades free of mud, frost, snow, or ice.
- C. Install trace wire. The trace wire shall extend to hand holes or manholes and each end shall be accessible for connection to tracing equipment. Trace wire shall be attached by tape at top of pipe.
- D. Place and compact bedding course on trench bottoms for all pipe 4" and larger. Bedding shall be in accordance with the details on the drawings. Shape bedding course to provide continuous support for bells, joints, and barrels of pipes and for joints, fittings, and bodies of conduits.
- E. All utility trenches (including casing pipes) under pavement (asphalt, concrete, pavers or gravel) shall be backfilled with Structural Fill.
- F. Place and compact initial backfill of structural fill, free of particles larger than 1 inch in any dimension, to a height as indicated on the details on the drawings.
 - 1. Carefully compact initial backfill under pipe haunches and compact evenly up on both sides and along the full length of piping or conduit to avoid damage or displacement of piping or conduit. Coordinate backfilling with utilities testing.
- G. Install warning tape directly above utilities, 12 inches below finished grade, except 6 inches below subgrade under pavements and slabs.
- H. Final Backfill: Place and compact final backfill of satisfactory soil to final subgrade elevation.

3.13 SOIL FILL

- A. Plow, scarify, bench, or break up sloped surfaces steeper than 1 vertical to 4 horizontal so fill material will bond with existing material.
- B. Place and compact fill material in layers to required elevations as follows:
 - 1. Under grass and planted areas, use General Fill material.
 - 2. Under walks and pavements, use Structural Fill material.
 - 3. Under utility structures, use Structural Fill material.
- C. Place soil fill on subgrades free of mud, frost, snow, or ice.

3.14 SOIL MOISTURE CONTROL

- A. Uniformly moisten or aerate subgrade and each subsequent fill or backfill soil layer before compaction to within 2 percent of optimum moisture content.

1. Do not place backfill or fill soil material on surfaces that are muddy, frozen, or contain frost or ice.
2. Remove and replace, or scarify and air dry, otherwise satisfactory soil material that exceeds optimum moisture content by 2 percent and is too wet to compact to specified dry unit weight.

3.15 COMPACTION OF SOIL BACKFILLS AND FILLS

- A. Place backfill and fill soil materials in layers not more than 6 inches in loose depth for material compacted by heavy compaction equipment, and not more than 4 inches in loose depth for material compacted by hand-operated tampers.
- B. Place backfill and fill soil materials evenly on all sides of structures to required elevations, and uniformly along the full length of each structure.
- C. Compact soil materials to not less than the following percentages of maximum dry unit weight according to ASTM D 698:
 1. Under structures and pavements, compact existing subgrade and each layer of backfill or fill soil material at 95 percent.
 2. Under walkways, compact subgrade and compact each layer of backfill or fill soil material at 95 percent.
 3. In lawn areas, compact each layer of backfill or general fill soil material at 85 percent.
 4. For utility trenches, compact each layer of initial and final backfill soil material at 90 percent, except in areas under proposed or existing walk, compact to 95 percent.

3.16 GRADING

- A. General: Uniformly grade areas to a smooth surface, free of irregular surface changes. Comply with compaction requirements and grade to cross sections, lines, and elevations indicated.
 1. Provide a smooth transition between adjacent existing grades and new grades.
 2. Cut out soft spots, fill low spots, and trim high spots to comply with required surface tolerances.
- B. Site Rough Grading: Slope grades to direct water away and to prevent ponding. Finish subgrades to required elevations within the following tolerances:
 1. Turf or Unpaved Areas: Plus or minus 1-inch. Provide positive drainage.
 2. Walks: Plus or minus ½ inch. Verify ADA compliance where applicable.
 3. Pavements: Plus or minus 1/2 inch.
 4. Ditches and swales: Plus or minus 1 inch.
 5. Tolerances given above shall not be used as a basis to allow areas of ponding.

3.17 GEOTEXTILES

- A. Separation fabric shall be pulled tight and pinned on 5 foot centers (min.) prior to fill placement.

3.18 SUBBASE AND BASE COURSES UNDER PAVEMENTS AND WALKS

- A. Place base course on subgrades free of mud, frost, snow, or ice.
- B. On prepared subgrade, place base course under pavements and walks as follows:

1. Where indicated on the drawings, install separation geotextile on prepared subgrade according to manufacturer's written instructions, overlapping sides and ends.
2. Shape base course to required crown elevations and cross-slope grades.
3. Place base course 6 inches or less in compacted thickness in a single layer.
4. Place base course that exceeds 6 inches in compacted thickness in layers of equal thickness, with no compacted layer more than 6 inches thick or less than 3 inches thick.
5. Compact base course at optimum moisture content to required grades, lines, cross sections, and thickness to not less than 95 percent of maximum dry unit weight according to ASTM D 698.

3.19 PREPARATION PRIOR TO PLACEMENT OF TOPSOIL

- A. In all disturbed areas, till soils to a depth of 6 inches. Remove all stone over 1", debris, wood, metal, and other non-soil material shall be removed from the top 6" layer of final backfilling for all areas to be seeded, sodded, or planted.

3.20 FIELD QUALITY CONTROL

- A. Special Inspections: Owner will engage a qualified special inspector to perform the following special inspections:
1. Determine prior to placement of fill that site has been prepared in compliance with requirements.
 2. Determine that fill material and maximum lift thickness comply with requirements.
 3. Determine, at the required frequency, that in-place density of compacted fill complies with requirements.
 4. All proposed backfill materials shall be subjected to laboratory tests consisting of, but not necessarily limited to, moisture density determinations, Atterberg limits, and sieve analysis in order to confirm suitability.
- B. Testing Agency: Owner will engage a qualified geotechnical engineering testing agency to perform tests and inspections, including the following:
- C. Allow testing agency to inspect and test subgrades and each fill or backfill layer. Proceed with subsequent earth moving only after test results for previously completed work comply with requirements.
- D. Footing Subgrade: At footing subgrades, at least one test of each soil stratum will be performed to verify design bearing capacities. Subsequent verification and approval of other footing subgrades may be based on a visual comparison of subgrade with tested subgrade when approved by Owner's geotechnical inspector.
- E. Testing agency will test compaction of soils in place according to ASTM D 1556, ASTM D 2167, ASTM D 2922, and ASTM D 2937, as applicable. Tests will be performed at the following locations and frequencies:
1. Paved Areas: At subgrade and at each compacted fill and backfill layer, at least one test for every 2000 sq. ft. or less of paved area, but in no case fewer than three tests.
 2. Foundation Wall Backfill: At each compacted backfill layer, at least one test for every 100 feet or less of wall length, but no fewer than two tests.

3. Trench Backfill: At each compacted initial and final backfill layer, at least one test for every 150 feet or less of trench length, but no fewer than two tests.

F. When Owner's geotechnical inspector reports that subgrades, fills, or backfills have not achieved degree of compaction specified, scarify and moisten or aerate, or remove and replace soil materials to depth required; recompact and retest until specified compaction is obtained.

3.21 PROTECTION

A. Protecting Graded Areas: Protect newly graded areas from traffic, freezing, and erosion. Keep free of trash and debris.

B. Repair and reestablish grades to specified tolerances where completed or partially completed surfaces become eroded, rutted, settled, or where they lose compaction due to subsequent construction operations or weather conditions.

1. Scarify or remove and replace soil material to depth as directed by Owner's geotechnical inspector; reshape and re-compact.

C. Where settling occurs before Project correction period elapses, remove finished surfacing, backfill with additional soil material, compact, and reconstruct surfacing.

1. Restore appearance, quality, and condition of finished surfacing to match adjacent work, and eliminate evidence of restoration to greatest extent possible.

3.22 DISPOSAL OF SURPLUS AND WASTE MATERIALS

A. Remove waste materials, including unsatisfactory soil, trash, and debris, and legally dispose of them off Owner's property.

END OF SECTION

SECTION 32 1216
ASPHALT PAVING

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:

1. Hot-mix asphalt patching.
2. Hot-mix asphalt paving.

B. Related Sections:

1. Division 02 Section "Structure Demolition" for demolition, removal, and recycling of existing asphalt pavements.
2. Division 31 Section "Earth Moving" for aggregate subbase and base courses and for aggregate pavement shoulders.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product indicated. Include technical data and tested physical and performance properties.

1. Job-Mix Designs: Certification, by authorities having jurisdiction, of approval of each job mix proposed for the Work.
2. Job-Mix Designs: For each job mix proposed for the Work.

1.3 QUALITY ASSURANCE

A. The latest edition of the following standards, as referenced herein, shall be applicable.

1. Virginia Department of Transportation, "Road & Bridge Specifications", latest edition.
2. "Standard Specifications for Highway Materials and Methods of Sampling and Testing, American Association of State Highway and Transportation Officials (AASHTO)."

1.4 DELIVERY, STORAGE, AND HANDLING

A. Deliver pavement-marking materials to Project site in original packages with seals unbroken and bearing manufacturer's labels containing brand name and type of material, date of manufacture, and directions for storage.

1.5 PROJECT CONDITIONS

A. Environmental Limitations: Do not apply asphalt materials if subgrade is wet or excessively damp, if rain is imminent or expected before time required for adequate cure, or if the following conditions are not met:

1. Prime Coat: Minimum surface temperature of 60 deg F.
2. Tack Coat: Minimum surface temperature of 60 deg F.
3. Asphalt Base Course: Minimum surface temperature of 40 deg F and rising at time of placement.
4. Asphalt Surface Course: Minimum surface temperature of 60 deg F at time of placement.

- B. Pavement-Marking Paint: Proceed with pavement marking only on clean, dry surfaces and at a minimum ambient or surface temperature of as specified by the manufacturer

PART 2 PRODUCTS

- A. Recycled Content: Provide steel reinforcement with minimum 90 percent total recycled content, including at least 60 percent post-consumer recycled content; provide cement with minimum 25 percent recycled content, with Structural Engineer's approval; provide minimum 25 percent reclaimed asphalt pavement (RAP) in asphalt mix with Authority Having Jurisdiction's approval.

2.2 ASPHALT MATERIALS

- A. General: Asphalt pavement and all related items shall meet the requirements of VDOT, Sections 210 and 211.
- B. Subbase course shall be in accordance with Section "Earthmoving."
- C. Base Course as indicated on the project drawings.
- D. Wearing Course as indicated on the project drawings.
- E. Tack Coat – VDOT Section 210.
- F. Recycled Content: Provide asphalt pavement with recycled content (RAP). RAP shall not exceed 30% for SM9.0 and 35% for BM25.0

2.3 AUXILIARY MATERIALS

- A. Hot-Mix Asphalt: Dense, hot-laid, hot-mix asphalt plant mixes meeting VDOT requirements, type as specified on project drawings.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that subgrade is dry and in suitable condition to begin paving.
- B. Proof-roll subgrade below pavements with heavy pneumatic-tired equipment to identify soft pockets and areas of excess yielding. Do not proof-roll wet or saturated subgrades.
 - 1. Completely proof-roll subgrade in one direction, repeating proof-rolling in direction perpendicular to first direction. Limit vehicle speed to 3 mph.
 - 2. Proof roll with a loaded 10-wheel, tandem-axle dump truck weighing not less than 15 tons.
 - 3. Excavate soft spots, unsatisfactory soils, and areas of excessive pumping or rutting, as determined by Architect, and replace with compacted backfill or fill as directed.
- C. Proceed with paving only after unsatisfactory conditions have been corrected.
- D. Verify that utilities, traffic loop detectors, and other items requiring a cut and installation beneath the asphalt surface have been completed and that asphalt surface has been repaired flush with adjacent asphalt prior to beginning installation of imprinted asphalt.

3.2 PATCHING

- A. Hot-Mix Asphalt Pavement: Saw cut perimeter of patch and excavate existing pavement section to sound base. Excavate rectangular or trapezoidal patches, extending 12 inches into adjacent sound pavement, unless otherwise indicated. Cut excavation faces vertically. Remove

excavated material. Recompact existing unbound-aggregate base course to form new subgrade.

- B. Tack Coat: Apply uniformly to vertical surfaces abutting or projecting into new, hot-mix asphalt paving at a rate of 0.05 to 0.15 gal./sq. yd.
1. Allow tack coat to cure undisturbed before applying hot-mix asphalt paving.
 2. Avoid smearing or staining adjoining surfaces, appurtenances, and surroundings. Remove spillages and clean affected surfaces.
- C. Patching: Fill excavated pavements with hot-mix asphalt base mix for full thickness of patch and, while still hot, compact flush with adjacent surface.
- D. Patching: Partially fill excavated pavements with hot-mix asphalt base mix and, while still hot, compact. Cover asphalt base course with compacted, hot-mix surface layer finished flush with adjacent surfaces.

3.3 SURFACE PREPARATION

- A. General: Immediately before placing asphalt materials, remove loose and deleterious material from substrate surfaces. Ensure that prepared subgrade is ready to receive paving.
- B. Herbicide Treatment: Apply herbicide according to manufacturer's recommended rates and written application instructions. Apply to dry, prepared subgrade or surface of compacted-aggregate base before applying paving materials.
1. Mix herbicide with prime coat if formulated by manufacturer for that purpose.
- C. Prime Coat: Apply uniformly over surface of compacted unbound-aggregate base course at a rate of 0.15 to 0.50 gal./sq. yd.. Apply enough material to penetrate and seal but not flood surface. Allow prime coat to cure.
1. If prime coat is not entirely absorbed within 24 hours after application, spread sand over surface to blot excess asphalt. Use enough sand to prevent pickup under traffic. Remove loose sand by sweeping before pavement is placed and after volatiles have evaporated.
 2. Protect primed substrate from damage until ready to receive paving.
- D. Tack Coat: Apply uniformly to surfaces of existing pavement at a rate of 0.05 to 0.15 gal./sq. yd.
1. Allow tack coat to cure undisturbed before applying hot-mix asphalt paving.
 2. Avoid smearing or staining adjoining surfaces, appurtenances, and surroundings. Remove spillages and clean affected surfaces.

3.4 HOT-MIX ASPHALT PLACING

- A. Machine place hot-mix asphalt on prepared surface, spread uniformly, and strike off. Place asphalt mix by hand to areas inaccessible to equipment in a manner that prevents segregation of mix. Place each course to required grade, cross section, and thickness when compacted.
1. Place hot-mix asphalt base course in number of lifts and thicknesses indicated.
 2. Place hot-mix asphalt surface course in single lift.
 3. Spread mix at minimum temperature of 250 deg F.
 4. Begin applying mix along centerline of crown for crowned sections and on high side of one-way slopes unless otherwise indicated.

5. Regulate paver machine speed to obtain smooth, continuous surface free of pulls and tears in asphalt-paving mat.
- B. Place paving in consecutive strips not less than 10 feet wide unless infill edge strips of a lesser width are required.
1. After first strip has been placed and rolled, place succeeding strips and extend rolling to overlap previous strips. Complete a section of asphalt base course before placing asphalt surface course.
- C. Promptly correct surface irregularities in paving course behind paver. Use suitable hand tools to remove excess material forming high spots. Fill depressions with hot-mix asphalt to prevent segregation of mix; use suitable hand tools to smooth surface.

3.5 JOINTS

- A. Construct joints to ensure a continuous bond between adjoining paving sections. Construct joints free of depressions, with same texture and smoothness as other sections of hot-mix asphalt course.
1. Clean contact surfaces and apply tack coat to joints.
 2. Offset longitudinal joints, in successive courses, a minimum of 6 inches.
 3. Offset transverse joints, in successive courses, a minimum of 24 inches.
 4. Construct transverse joints at each point where paver ends a day's work and resumes work at a subsequent time. Compact joints as soon as hot-mix asphalt will bear roller weight without excessive displacement.
 5. Compact asphalt at joints to a density within 2 percent of specified course density.

3.6 COMPACTION

- A. General: Begin compaction as soon as placed hot-mix paving will bear roller weight without excessive displacement. Compact hot-mix paving with hot, hand tampers or with vibratory-plate compactors in areas inaccessible to rollers.
1. Complete compaction before mix temperature cools to 185 deg F.
- B. Breakdown Rolling: Complete breakdown or initial rolling immediately after rolling joints and outside edge. Examine surface immediately after breakdown rolling for indicated crown, grade, and smoothness. Correct laydown and rolling operations to comply with requirements.
- C. Intermediate Rolling: Begin intermediate rolling immediately after breakdown rolling while hot-mix asphalt is still hot enough to achieve specified density. Continue rolling until hot-mix asphalt course has been uniformly compacted as verified by the Owner's geotechnical inspector.
- D. Finish Rolling: Finish roll paved surfaces to remove roller marks while hot-mix asphalt is still warm.
- E. Edge Shaping: While surface is being compacted and finished, trim edges of pavement to proper alignment. Bevel edges while asphalt is still hot; compact thoroughly.
- F. Repairs: Remove paved areas that are defective or contaminated with foreign materials and replace with fresh, hot-mix asphalt. Compact by rolling to specified density and surface smoothness.
- G. Protection: After final rolling, do not permit vehicular traffic on pavement until it has cooled and hardened.

H. Erect barricades to protect paving from traffic until mixture has cooled enough not to become marked.

3.7 INSTALLATION TOLERANCES

A. Pavement Thickness: Compact each course to produce the thickness indicated within the following tolerances:

1. Base Course: Plus or minus 1/2 inch.
2. Surface Course: Plus 1/4 inch, no minus.

B. Pavement Surface Smoothness: Compact each course to produce a surface smoothness within the following tolerances as determined by using a 10-foot straightedge applied transversely or longitudinally to paved areas:

1. Base Course: 1/4 inch.
2. Surface Course: 1/8 inch.
3. Crowned Surfaces: Test with crowned template centered and at right angle to crown. Maximum allowable variance from template is 1/4 inch.

3.8 FIELD QUALITY CONTROL

A. Testing Agency: Owner will engage a qualified testing agency to perform tests and inspections.

B. Thickness: In-place compacted thickness of hot-mix asphalt courses will be determined according to ASTM D 3549.

C. Surface Smoothness: Finished surface of each hot-mix asphalt course will be tested for compliance with smoothness tolerances.

D. Remove and replace or install additional hot-mix asphalt where test results or measurements indicate that it does not comply with specified requirements.

3.9 DISPOSAL

A. Except for material indicated to be recycled, remove excavated materials from Project site and legally dispose of them in an EPA-approved landfill.

END OF SECTION

SECTION 32 1313
CONCRETE PAVING

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:

1. Curbs and gutters.
2. Walks

B. Related Sections:

1. Division 03 Section "Cast-in-Place Concrete" for general building applications of concrete.

1.2 DEFINITIONS

A. Cementitious Materials: Portland cement alone or in combination with one or more of blended hydraulic cement, fly ash and other pozzolans, and ground granulated blast-furnace slag.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product indicated.

B. Samples for Initial Selection: For each type of product, ingredient, or admixture requiring color selection.

C. Design Mixtures: For each concrete paving mixture. Include alternate design mixtures when characteristics of materials, Project conditions, weather, test results, or other circumstances warrant adjustments.

1.4 INFORMATIONAL SUBMITTALS

A. Field quality-control reports.

1.5 QUALITY ASSURANCE

A. Ready-Mix-Concrete Manufacturer Qualifications: A firm experienced in manufacturing ready-mixed concrete products and that complies with ASTM C 94/C 94M requirements for production facilities and equipment.

1. Manufacturer certified according to NRMCA's "Certification of Ready Mixed Concrete Production Facilities" (Quality Control Manual - Section 3, "Plant Certification Checklist").

B. ACI Publications: Comply with ACI 301 unless otherwise indicated.

PART 2 PRODUCTS

2.1 FORMS

A. Form Materials: Plywood, metal, metal-framed plywood, or other approved panel-type materials to provide full-depth, continuous, straight, and smooth exposed surfaces.

1. Use flexible or uniformly curved forms for curves with a radius of 100 feet or less. Do not use notched and bent forms.

B. Form-Release Agent: Commercially formulated form-release agent that will not bond with, stain, or adversely affect concrete surfaces and that will not impair subsequent treatments of concrete surfaces.

2.2 CONCRETE MATERIALS

- A. All cast-in-place concrete shall be ready mixed concrete meeting the requirements for VDOT A-3 Hydraulic Cement Concrete, except air entrainment shall be 6-8%.
- B. Recycled Content: Provide concrete mix with minimum 25 percent recycled content, except where this requirement conflicts with VDOT Section 217 of the 2007 Road and Bridge Specifications.
- C. Regional Materials: Provide aggregates extracted and fabricated within 500 miles of Project Site.
- D. Premoulded Expansion Joint Filler: Concrete 3/8" premoulded expansion joint filler conforming to ASTM D1751. The premoulded expansion joint filler shall be "pre-cut" to match the concrete sidewalk cross-sectioned dimensions as detailed on the Drawings.
- E. Fabric Reinforcement: Flat sheets of 6 x 6 - W 1.4 x W 1.4, ASTM A 185, welded wire fabric or size as noted on the drawings.
- F. Curing and Materials:
 - 1. Impervious Sheeting: ASTM C171.
 - 2. Liquid Membrane Curing Compound: ASTM C309, compound shall be free of paraffin or petroleum.
 - 3. Sealants: Joint Sealers: ASTM D 1850.
 - 4. Forms:
 - a. Wood forms shall be surfaced plank, 2-inch nominal thickness, straight and free from warp, twist, loose knots, splits or other defects. Wood forms shall have a nominal length of 10 feet, with a minimum of three stakes per form, at maximum spacing of 4 feet. Corners, deep sections, and radius bends shall have additional stakes and braces, as required. Radius bends may be formed with 3/4-inch boards, laminated to the required thickness.
 - b. Steel forms shall be channel-formed sections with a flat top surface and with welded braces at each end and at not less than two intermediate points. Form ends shall be interlocked and self-aligning. Forms shall include flexible forms for radius forming, corner forms, form spreaders, and fillers. Forms shall have a nominal length of 10 feet, with a minimum of two welded stake pockets per form. Stake pins shall be solid steel rods with chamfered heads and pointed tips, designed for use with steel forms.

PART 3 EXECUTION

3.1 SUBBASE PREPARATION

- A. Curb shall be constructed on a compacted granular subbase as shown on the Drawings.
- B. The subbase shall be maintained in a smooth, compacted condition in conformity with the required section and established grade, until the concrete is placed.
- C. The subbase shall be in a moist condition when concrete is placed.
- D. The subbase shall be prepared and protected so as to produce a subbase free from frost when the concrete is deposited.

3.2 FORMWORK

- A. Earth cuts may not be used as forms for vertical surfaces.
- B. All forms shall be built mortar tight and of materials sufficient in strength to hold concrete without bulging between supports. Forms shall be maintained to eliminate the formation of joints due to shrinkage of the forms. Concrete, misshapen by bulges or deformations caused by inadequate forms, shall be removed or corrected as ordered by the Engineer. All replacements or corrections shall be made at the Contractor's expense.
- C. All surfaces of wooden forms that will be in contact with exposed concrete shall be thoroughly treated with an approved lacquer in the procedure recommended by the manufacturer. Forms so treated shall be protected from being damaged or dirtied prior to placing of the concrete.
- D. Metal forms shall be treated with an approved form lacquer or may be treated with an approved form oil. The metal used for forms shall be of sufficient thickness to remain true to shape. All bolt and rivet heads shall be designed to hold the forms rigidly together and to allow removal, without injury to the concrete. Metal forms which do not have smooth surfaces, correct alignment and clean surfaces shall not be used.
- E. Side forms shall not be removed for less than 12 hours after finishing has been completed.

3.3 CONCRETE PLACEMENT AND FINISHING

A. Preparation:

1. Set forms true to line and grade and anchor rigidly in position.
2. Transverse expansion joints shall be installed at sidewalk returns and opposite expansion joints in adjoining curbs. Longitudinal expansion joints shall be installed between concrete sidewalk and abutting concrete curb, continuously. Transverse expansion joints shall be installed equally at not more than 25 feet on center, unless otherwise directed by the Engineer, or as detailed on the Drawings.
3. Transverse expansion joints shall be filled with 1/2-inch joint filler strips. Joint filler shall be placed with top edge 1/4 inch below the surface and shall be held in place with steel pins or other devices to prevent warping of the filler during floating and finishing. Protect the top edge of the joint filler during concrete placement with a temporary cap and remove after concrete has been placed.
4. Expansion joints shall be formed about structures and features that project through or into the sidewalk pavement, using joint filler of the type, thickness, and width indicated. The filler shall be installed in such manner as to form a complete, uniform separation between the structure and sidewalk pavement.

B. Concrete Placement:

1. Concrete shall be placed in the forms in one layer of such thickness that when compacted and finished the sidewalk will be of the thickness indicated. After concrete has been placed in the forms, a strike-off guided by side forms shall be used to bring the surface to proper section to be compacted.
2. The concrete shall be tamped and consolidated with a suitable wood or metal tamping bar, and the surface shall be finished to grade with a wood float. Finished surface of the walk shall not vary more than 3/16 inch from the testing edge of a 20-foot straightedge. Irregularities exceeding the above shall be satisfactorily corrected. The surface shall be divided into rectangular areas by means of contraction joints spaced at intervals shown on the drawings.

3. Place concrete in accordance with ACI 301 unless otherwise specified herein.
4. Cold Weather Concreting: Comply with ACI 305 for placement at temperatures of, or expected to be, below 40F.
5. Hot Weather Concreting: Comply with ACI 306 for placement at temperature of, or expected to be, above 90F.

C. Concrete Finishing:

1. After straight edging, when most of the water sheen has disappeared, and just before the concrete hardens, the surface shall be finished to a smooth and uniformly fine granular or sandy texture free of waves, irregularities, or tool marks. A scored surface shall be produced by brooming with a fiber-bristle brush in a direction transverse to that of the traffic, or as otherwise shown on the drawings.
2. All slab edges, including those at formed joints, shall be finished carefully with an edger having a radius of 1/8 inch. Corner and edges which have crumbled and areas which lack sufficient mortar for proper finishing shall be cleaned and filled solidly with a properly proportioned mortar mixture and then finished.
3. The completed surface shall be uniform in color and free of surface blemishes and tool marks.

3.4 CONTRACTION JOINTS

- A. Contraction (Control) Joints: Construct contraction joints to form panels of patterns as shown. Use saw cuts 1/8 inch wide by 1/4 slab depth or inserts 1/4 inch wide by 1/4 inch wide by 1/4 of slab depth, unless otherwise indicated. Sawcutting is to be done as soon after concrete placement and finishing as possible without raveling.

3.5 CURING

- A. Any of the following curing methods are acceptable:

B. Impervious Sheeting Method:

1. The entire exposed surface shall be wetted with a fine spray of water and then covered with impervious sheeting material. Sheets shall be laid directly on the concrete surface with the light colored side up and overlapped 12 inches when a continuous sheet is not used.
2. The curing medium shall not be less than 18 inches wider than the concrete surface to be cured, and shall be securely weighted down by heavy wood planks, or by placing a bank of moist earth along edges and laps in the sheets.
3. Sheets shall be satisfactorily repaired or replaced if torn or otherwise damaged during curing. The curing medium shall remain on the concrete surface to be cured for not less than 7 days.

C. Membrane Curing Method:

1. The entire exposed surface shall be cured with a membrane forming curing compound.
2. Curing compound shall be applied in two (2) coats by hand operated pressure sprayers at a coverage of approximately 200 square feet per gallon for both coats, unless otherwise approved by the Engineer based upon manufacturer's data.

3. The second coat shall be applied in a direction approximately at right angles to the direction of application of the first coat. The compound shall form a uniform, continuous, coherent film that will not check, crack, or peel and shall be free from pinholes or other imperfections. Apply an additional coat to all surfaces showing discontinuity, pinholes or other defects.
4. Concrete surfaces that are subjected to heavy rainfall within 3 hours after curing compound has been applied shall be resprayed by the above method and at the above coverage at no additional cost to the Owner.
5. Expansion-joint openings shall be sealed at the top by inserting moistened paper or fiber rope or covering with strips of waterproof paper prior to application of the curing compound, in a manner to prevent the curing compound entering the joint.
6. Concrete surfaces to which membrane-curing compounds have been applied shall be adequately protected for 7 days from pedestrian and vehicular traffic and from any other action that might disrupt the continuity of the membrane. Any area covered with curing compound and damaged by subsequent construction operations within the 7 day curing period shall be re-sprayed as specified above at no additional expense to the Owner.

3.6 SEALING JOINTS

- A. At the end of the curing period, expansion joints shall be carefully cleaned and filled with joint sealer. Concrete at the joint shall be surface dry, and the atmospheric and pavement temperatures shall be above 50F, at the time of application of joint sealing materials.
- B. Joints shall be filled flush with the concrete surface in such manner as to minimize spilling on the walk surface. Spilled sealing material shall be removed immediately and the surface of the walk cleaned. Dummy groove joints shall not be sealed.

3.7 BACKFILLING AND RESTORATION

- A. After curing, debris shall be removed, and the area adjoining the concrete shall be backfilled, graded, and compacted to conform to the surrounding area in accordance with lines and grades indicated.
- B. All lawns, pavements, driveways, shrubs, or other improvements affected by sidewalk placement shall be restored to their original condition.

3.8 FIELD QUALITY CONTROL

- A. Testing Agency: Owner will engage a qualified testing agency to perform tests and inspections.
- B. The Contractor shall notify the Engineer 24 hours before placing concrete in order to give the Engineer an opportunity to inspect the formwork, reinforcing and related items prior to placement of the concrete.
- C. Delivery tickets shall show the amount of cement, brand, and amount of all admixtures, in addition to information required by ASTM C94, Section 14. Water added on the job shall be approved and the amount noted on the delivery ticket and initialed by the Contractor.
- D. Testing Services: Testing of composite samples of fresh concrete obtained according to ASTM C 172 shall be performed according to the following requirements:
 1. Testing Frequency: Obtain at least one composite sample for each 1,000 sq. ft. or fraction thereof of each concrete mixture placed each day.

- a. When frequency of testing will provide fewer than five compressive-strength tests for each concrete mixture, testing shall be conducted from at least five randomly selected batches or from each batch if fewer than five are used.
 2. Slump: ASTM C 143/C 143M; one test at point of placement for each composite sample, but not less than one test for each day's pour of each concrete mixture. Perform additional tests when concrete consistency appears to change.
 3. Air Content: ASTM C 231, pressure method; one test for each composite sample, but not less than one test for each day's pour of each concrete mixture.
 4. Concrete Temperature: ASTM C 1064/C 1064M; one test hourly when air temperature is 40 deg F and below and when it is 80 deg F and above, and one test for each composite sample.
 5. Compression Test Specimens: ASTM C 31/C 31M; cast and laboratory cure one set of three standard cylinder specimens for each composite sample.
 6. Compressive-Strength Tests: ASTM C 39/C 39M; test one specimen at seven days and two specimens at 28 days.
 - a. A compressive-strength test shall be the average compressive strength from two specimens obtained from same composite sample and tested at 28 days.
- E. Strength of each concrete mixture will be satisfactory if average of any three consecutive compressive-strength tests equals or exceeds specified compressive strength and no compressive-strength test value falls below specified compressive strength by more than 500 psi.
- F. Test results shall be reported in writing to Architect, concrete manufacturer, and Contractor within 48 hours of testing. Reports of compressive-strength tests shall contain Project identification name and number, date of concrete placement, name of concrete testing and inspecting agency, location of concrete batch in Work, design compressive strength at 28 days, concrete mixture proportions and materials, compressive breaking strength, and type of break for both 7- and 28-day tests.
- G. Nondestructive Testing: Impact hammer, sonoscope, or other nondestructive device will not be acceptable.
- H. Additional Tests: Testing and inspecting agency shall make additional tests of concrete when test results indicate that slump, air entrainment, compressive strengths, or other requirements have not been met, as directed by Architect.
- I. Concrete paving will be considered defective if it does not pass tests and inspections.
- J. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.
- K. Prepare test and inspection reports.
- 3.9 REPAIR AND PROTECTION
- A. Remove and replace concrete paving that is broken, damaged, or defective or that does not comply with requirements in this Section. Remove work in complete sections from joint to joint unless otherwise approved by Architect.

- B. Drill test cores, where directed by Architect, when necessary to determine magnitude of cracks or defective areas. Fill drilled core holes in satisfactory paving areas with portland cement concrete bonded to paving with epoxy adhesive.
- C. Protect concrete paving from damage. Exclude traffic from paving for at least 14 days after placement. When construction traffic is permitted, maintain paving as clean as possible by removing surface stains and spillage of materials as they occur.
- D. Maintain concrete paving free of stains, discoloration, dirt, and other foreign material. Sweep paving not more than two days before date scheduled for Substantial Completion inspections.

END OF SECTION

SECTION 32 9200
TURF AND GRASSES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Seeding.

1.2 DEFINITIONS

- A. Pesticide: A substance or mixture intended for preventing, destroying, repelling, or mitigating a pest. This includes insecticides, miticides, herbicides, fungicides, rodenticides, and molluscicides. It also includes substances or mixtures intended for use as a plant regulator, defoliant, or desiccant.
- B. Planting Soil: Existing, on-site soil; imported soil; or manufactured soil that has been modified with soil amendments and perhaps fertilizers to produce a soil mixture best for plant growth.

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

1.4 INFORMATIONAL SUBMITTALS

- A. Certification of grass seed.
1. Certification of each seed mixture for turfgrass sod.
- B. Product certificates.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: A qualified landscape Installer whose work has resulted in successful turf establishment.
1. Installer's Field Supervision: Require Installer to maintain an experienced full-time supervisor on Project site when work is in progress.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Seed and Other Packaged Materials: Deliver packaged materials in original, unopened containers showing weight, certified analysis, name and address of manufacturer, and indication of compliance with state and Federal laws, as applicable.

- B. Sod: Harvest, deliver, store, and handle sod according to requirements in "Specifications for Turfgrass Sod Materials" and "Specifications for Turfgrass Sod Transplanting and Installation" sections in TPI's "Guideline Specifications to Turfgrass Sodding." Deliver sod within 24 hours of harvesting and in time for planting promptly. Protect sod from breakage and drying.

PART 2 - PRODUCTS

2.1 SEED

- A. Grass Seed: Fresh, clean, dry, new-crop seed complying with AOSA's "Rules for Testing Seeds" for purity and germination tolerances.
- B. Seed Species:
 - 1. Quality, State Certified: State-certified seed of grass species as listed below for solar exposure.
 - 2. Full Sun: Zoysia.

2.2 FERTILIZERS

- A. Slow-Release Fertilizer: Granular or pelleted fertilizer consisting of 50 percent water-insoluble nitrogen, phosphorus, and potassium in the following composition:
 - 1. Composition: 20 percent nitrogen, 10 percent phosphorous, and 10 percent potassium, by weight.

2.3 MULCHES

- A. Straw Mulch: Provide air-dry, clean, mildew- and seed-free, salt hay or threshed straw of wheat, rye, oats, or barley.

2.4 PESTICIDES

- A. General: Pesticide, registered and approved by the EPA, acceptable to authorities having jurisdiction, and of type recommended by manufacturer for each specific problem and as required for Project conditions and application. Do not use restricted pesticides unless authorized in writing by authorities having jurisdiction.

PART 3 - EXECUTION

3.1 TURF AREA PREPARATION

- A. General: Prepare planting area for soil placement and mix planting soil.
- B. Moisten prepared area before planting if soil is dry. Water thoroughly and allow surface to dry before planting. Do not create muddy soil.

- C. Before planting, obtain Architect's acceptance of finish grading; restore planting areas if eroded or otherwise disturbed after finish grading.

3.2 SEEDING

- A. Sow seed with spreader or seeding machine. Do not broadcast or drop seed when wind velocity exceeds 5 mph.
 - 1. Evenly distribute seed by sowing equal quantities in two directions at right angles to each other.
 - 2. Do not use wet seed or seed that is moldy or otherwise damaged.
 - 3. Do not seed against existing trees. Limit extent of seed to outside edge of planting saucer.
- B. Rake seed lightly into top 1/8 inch of soil, roll lightly, and water with fine spray.

3.3 TURF MAINTENANCE

- A. General: Maintain and establish turf by watering, fertilizing, weeding, mowing, trimming, replanting, and performing other operations as required to establish healthy, viable turf. Roll, regrade, and replant bare or eroded areas and remulch to produce a uniformly smooth turf. Provide materials and installation the same as those used in the original installation.
- B. Mow turf as soon as top growth is tall enough to cut. Repeat mowing to maintain specified height without cutting more than one-third of grass height. Remove no more than one-third of grass-leaf growth in initial or subsequent mowings.

3.4 SATISFACTORY TURF

- A. Turf installations shall meet the following criteria as determined by Architect:
 - 1. Satisfactory Seeded Turf: At end of maintenance period, a healthy, uniform, close stand of grass has been established, free of weeds and surface irregularities, with coverage exceeding 90 percent over any 10 sq. ft. and bare spots not exceeding 5 by 5 inches.
 - 2. Satisfactory Sodded Turf: At end of maintenance period, a healthy, well-rooted, even-colored, viable turf has been established, free of weeds, open joints, bare areas, and surface irregularities.
- B. Use specified materials to reestablish turf that does not comply with requirements, and continue maintenance until turf is satisfactory.

END OF SECTION

SPECIFICATION
FOR
ASBESTOS REMOVAL
AT
MARSHALL COURT PHASE VII
BUILDINGS 57, 58, 59, 60, 61, 62, 68, AND 69
NEWPORT NEWS, VIRGINIA

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1.0 GENERAL

The Abatement Contractor shall furnish all labor, materials, employee training, services, fees, insurance and equipment necessary to carry out the removal of asbestos-containing slate roofing, any enclosed roofing structures, and any discovered pipe insulation, decontamination operations, and disposal of asbestos-containing materials at Marshal Court Phase VII: Buildings 57, 58, 59, 60, 61, 62, 68, and 69, Newport News, Virginia, in accordance with EPA, OSHA, and NIOSH regulations and all other applicable Federal, State and Local government laws, ordinances, rules, regulations and these specifications.

2.0 DESCRIPTION OF WORK

- 2.1. Removal of the following asbestos containing materials at Marshal Court Phase VII: Buildings 57, 58, 59, 60, 61, 62, 68, and 69, Newport News, Virginia.
 - 2.1.1. Remove up to 2,000 square feet of slate roofing – 701B 35th Street.
 - 2.1.2. Remove any enclosed roofing materials (assumed as ACM).
 - 2.1.3. Remove up to 8,000 linear feet of pipe insulation (assumed as ACM) from Type B Buildings.

Marshal Court Phase VII Map



3.0 DEFINITIONS

ABATEMENT: Procedures to control fiber release from asbestos containing materials, includes securing the work area, removing the materials, cleaning the area and disposal of the material.

ABATEMENT CONTRACTOR: The person, firm or corporation (Commercial Roofing Services, LLC) selected to perform the work described within this Contract, of which this document is an integral part.

ACM: Asbestos-containing material (s).

AGGRESSIVE SAMPLING: High activity level air sampling which results in all settled asbestos remaining airborne and uniformly distributed through the use of special entrainment and mixing techniques. This makes any settled asbestos fibers accessible to the sampling filters for subsequent detection.

AMBIENT SAMPLING: Air sampling of an area performed under normal or "as found" activity conditions.

AMENDED WATER: Water containing a wetting agent or surfactant.

AIHA: American Industrial Hygiene Association.

ANSI: American National Standards Institute.

ASBESTOS: The term asbestos includes Chrysotile, Amosite, Crocidolite, Tremolite, Anthophyllite and Actinolite.

ASBESTOS REGULATION AREA: An area where asbestos removal operations are performed which is isolated by physical boundaries to prevent the spread of asbestos dust, fibers or debris. Within this area, the airborne concentration of asbestos exceeds or can be reasonable expected to exceed the permissible exposure limit.

AREA MONITORING: Sampling of asbestos fiber concentrations within the asbestos control area which is representative of the airborne concentrations of asbestos fibers which may reach the breathing zone.

BUILDING OWNER: Newport News Redevelopment Housing Authority

CLEAN ROOM: An uncontaminated room having facilities for the storage of employees' street clothing, uncontaminated materials and equipment.

CONTRACTOR: The person, firm or corporation selected to perform the work described within this Contract, of which this document is an integral part.

DECONTAMINATION AREA: An enclosed area adjacent or convenient to the regulated area and consisting of an equipment room, shower area and clean room which is used for the decontamination of workers, materials and equipment contaminated with asbestos.

DOT: Department of Transportation.

EQUIPMENT ROOM (CHANGE ROOM): A contaminated room located within the decontamination area that is supplied with impermeable bags or containers for the disposal of contaminated protective clothing and equipment.

EXCURSION LIMIT: The Contractor shall ensure that no employee is exposed to an airborne concentration of asbestos in excess of 1.0 fibers per cubic centimeter of air (1f/cc) as averaged over a sampling period of thirty (30) minutes. Additional airborne asbestos concentration level requirements are indicated in this specification.

FRIABLE ASBESTOS MATERIAL: Material that contains more than 1% asbestos by weight and that can be crumbled, pulverized or reduced to powder by hand pressure when dry or which under normal use or maintenance emits or can be expected to emit asbestos fibers to the air.

HEPA FILTER EQUIPMENT: High efficiency particulate absolute filtered vacuuming equipment with a filter system capable of collecting and retaining 99.97 percent of particles and fibers with a minimum dimension of 0.3 micrometers or larger.

LOGBOOK: A notebook, or other book containing essential project data and daily project information and daily project diary. This book is kept on the project site at all times.

NIOSH: National Institute for Occupational Safety and Health.

OSHA: United States Occupational Safety and Health Administration and the Virginia Occupational Safety and Health Division of the Department of Labor and Industry.

PAT PROGRAM: Proficiency Analytical Testing Program.

PERMISSIBLE EXPOSURE LIMIT (PEL): The Contractor shall ensure that no employee is exposed to an airborne concentration of asbestos in excess of 0.1 fibers per cubic centimeter of air as an eight (8) hour time weighted average (TWA) as determined in accordance with 29 CFR 1926.1101, Appendix A. Additional airborne asbestos concentration level requirements are indicated in this specification.

PERSONAL MONITORING: Sampling of asbestos fiber concentrations within the breathing zone of an employee (i.e. attached to or near the collar of lapel near the worker's face).

PROJECT MONITOR: An individual licensed by the Commonwealth of Virginia whose duties and functions include, but are not limited to, observing and monitoring the activities of an asbestos abatement Contractor on asbestos projects to determine that proper work practices are used and in compliance with all federal, state, and local laws and regulations are maintained.

TIME WEIGHTED AVERAGE (TWA): Representative samples are required to establish the eight (8) hour time weighted average. The TWA is an eight (8) hour time weighted average airborne concentration of fibers, longer than five (5) micrometers per cubic centimeter of air. Work shifts which differ from an eight (8) hour duration may require adjustments of the standard which applies.

USEPA: United States Environmental Protection Agency.

WET CLEANING: The process of eliminating asbestos-contamination from building surfaces and objects by using cloths, mops, or other cleaning tools which have been dampened with water, and by afterwards disposing of these cleaning tools as asbestos-contaminated waste.

WORK AREA: Designated rooms, spaces, or areas of the project in which asbestos abatement actions are to be undertaken or which may become contaminated as a result of such abatement actions. A contained work area is a work area, which has been sealed, plasticized, and equipped with a decontamination enclosure system. A non-contaminated work area is an isolated or controlled-access work area which has not been plasticized or nor equipped with a decontaminated enclosure system.

4.0 SPECIFICATIONS FOR ASBESTOS-CONTAINING MATERIAL REMOVAL

4.1. The Abatement Contractor shall provide a summary of prior experience in asbestos removal. Such documentation shall include the names and addresses of previous purchasers of the service, the location where previous work has been performed, a record of previous air monitoring for asbestos, whether or not uncontrolled or unmeasured emissions or exposure to asbestos occurred, and a statement that the Abatement Contractor either has or has not been subject to inspections by State or Federal agencies, and owner's hygienist and the result of those inspections. The Abatement Contractor must give satisfactory evidence of possessing the necessary knowledge of practices and procedures and adequate equipment to perform the work in conformance with the contract specifications. Since this knowledge can only be demonstrated on the job, the Abatement Contractor is advised that uncorrected poor work practices at any point may disqualify him from continuing the job. If the job is not being performed pursuant to this contract, the General Contractor, Building Owner, or their representative assigned to monitor the execution of this contract may stop the Abatement Contractor from continuing the job until the General Contractor, Building Owner,

or their representative is assured that the requirements of this contract will be met. If the General Contractor, Building Owner, or their representative reasonably determine that the Abatement Contractor cannot or will not perform the contract, the General Contractor or Building Owner may declare a breach of contract by the Abatement Contractor and terminate the contract.

- 4.2. The Abatement Contractor shall show to the complete satisfaction of the General Contractor and/or Building Owner that it has the necessary facilities, ability, and financial resources to successfully fulfill the requirements of this specification.
- 4.3. In addition, the Abatement Contractor shall provide three financial references, a Dun and Bradstreet number and financial history to the General Contractor and/or Building Owner, including any previous or pending litigation concerned with financial or liability matters.
- 4.4. Due to the hazardous nature of the material being removed (i.e. asbestos). The Abatement Contractor will provide written verification that it has primary and excess liability insurance coverage in force totaling a minimum of \$1,000,000 that specifically covers asbestos abatement. Such policies will name the General Contractor and/or Building Owner as an additional insured for the full duration of the project.

5.0 REGULATIONS

- 5.1. The Abatement Contractor shall comply with all applicable federal, state, and local laws, statutes, codes, ordinances, rules and regulations, including without limitation EPA and OSHA Regulations, and will follow EPA and ANSI workplace guidelines. Pertinent OSHA standards are the applicable section of 29 CFR 1910 and 29 CFR 1926, including but not limited to 29 CFR 1910.1001, 1910.134 and 1926.1101. EPA workplace guidelines include the pertinent section F of EPA guidelines document C00090 "Asbestos-Containing Materials in School Buildings", Parts I and III, EPA guideline document 560/5-85-024 Guidance for Controlling Asbestos-Containing Materials in Buildings", and 40 CFR Part 61, Subparts A and B, and Part 763 as requirements except where they conflict with specific requirements of this specification. In this event, the most stringent specifications shall govern.
- 5.2. The Abatement Contractor shall remove, transport and dispose of the asbestos from the job site in compliance with Section 61.25 of the EPA Regulations, the Virginia Department of Waste Management solid waste management regulations (VR672-20-10), the Department of Transportation regulations and these specifications. The Abatement Contractor shall be responsible for obtaining the approval document for a waste disposal site in compliance with 61.25 of the EPA Regulations and other governing regulations. The Abatement Contractor shall dispose of the slate roofing as Category II nonfriable asbestos containing material.

Any asphalt roofing materials shall be disposed of as Category I nonfriable asbestos containing material. Any friable asbestos pipe insulation shall be disposed of as friable Regulated ACM. Any ACM rendered friable during operations shall be disposed of as friable Regulated ACM.

6.0 PERMITS AND NOTIFICATIONS

- 6.1. The Abatement Contractor shall secure the necessary permits in conjunction with asbestos removal, hauling, and disposal and provide timely notifications of such actions as may be required by federal, state, regional and local authorities. If necessary, notifications will be sent to the Virginia Department of Labor and Industry and US EPA Region III prior to commencement of the work. Copies of all permits and notifications will be provided to the General Contractor and/or Building Owner. Ten (10) working days before beginning any asbestos work, notification shall be sent to the US EPA Region III. Twenty (20) calendar days before beginning any asbestos work, notification shall be sent to the Virginia Department of Labor and Industry. The contractor is to assume that friable pipe insulation will be found, and notification is to be sent in advance detailing assumed quantities in 2.1.1-2.1.3.

7.0 QUALIFICATIONS OF THE CONTRACTOR'S PERSONNEL AND PERSONNEL TRAINING

- 7.1. Prior approval by the General Contractor and/or Building Owner is required of all proposed asbestos removal personnel. Approval shall be based on review and acceptance of the Abatement Contractor's written submittal that all of its personnel working in this asbestos project:
- 7.1.1. Are regularly and presently performing asbestos removal as a principal service.
 - 7.1.2. Have Virginia Department of Professional and Occupational Regulation/EPA approved training prior to the time of initial assignment and at least annually thereafter. The training program must have been conducted in a manner that the employee understood and it must have covered at least the following:
 - 7.1.2.1. Methods of recognizing asbestos.
 - 7.1.2.2. The health effects associated with asbestos exposure.
 - 7.1.2.3. The relationship between smoking and asbestos in producing lung cancer.

- 7.1.2.4. The importance of necessary protective controls to minimize exposure including, as applicable, engineering controls, work practices, respirators, housekeeping procedures, hygiene facilities, protective clothing, decontamination procedures, emergency procedures and waste disposal procedures.
- 7.1.2.5. The purpose, proper use, fitting instructions and limitations of respirators as required by 29 CFR 1910.134.
- 7.1.2.6. The appropriate work practices for performing the asbestos job.
- 7.1.2.7. Medical surveillance program requirements.
- 7.1.3. Have Department of Transportation job specific training.
- 7.1.4. Have been provided with a respirator fit test in accordance with 29 CFR 1926.1101 at the time of initial fitting and at least annually thereafter for each employee wearing a tight-fitting respirator.
- 7.1.5. Perform personal exposure monitoring as required by OSHA.
- 7.1.6. The asbestos Abatement Contractor, supervisors, and workers must possess the required state licenses and have these licenses on the job site available upon request by the General Contractor and/or Building Owner or their representative. Copies of the initial and most recent training supervisor certificates must be posted on site and available upon request.

8.0 RESPIRATORY PROGRAM

- 8.1. The Abatement Contractor must comply with the following requirements:
 - 8.1.1. A written respiratory program in compliance with OSHA regulations must be available for inspection by the Owner or their representative.
 - 8.1.2. Records must be maintained of all respirator fit tests until the next fit test. The records shall include no less than the requirements of 29 CFR 1926.103.

9.0 MEDICAL REQUIREMENTS

- 9.1. The Abatement Contractor must have established a medical surveillance program in compliance with 29 CFR 1926.1101.

10.0 GENERAL CONTRACTOR'S AND BUILDING OWNER'S RIGHTS

- 10.1. The General Contractor and/or Building Owner reserves the right to halt the project work until hazardous or potentially hazardous conditions are corrected by the Contractor.
- 10.2. The General Contractor and/or Building Owner reserves the right, at their discretion, to employ an independent consultant to inspect the abatement and perform any necessary testing that the General Contractor and/or Building Owner may require.
- 10.3. If any instance of non-conformance is discovered, it will be the responsibility of the Abatement Contractor to pay for the consultant service and the cost involved to correct the non-compliance.

11.0 GENERAL CONTRACTOR'S, BUILDING OWNER'S AND CONSULTANTS' LIABILITY

- 11.1. Since there may be patents on certain differential pressure systems, the Abatement Contractor shall pay for any royalties and license fees. The Abatement Contractor will defend any suits or claims for infringement of patent and hold the General Contractor, Building Owner, and its consultant harmless thereof.

12.0 PROTECTION OF THE GENERAL CONTRACTOR AND BUILDING OWNER

- 12.1. The Abatement Contractor shall be responsible for any damage to the buildings and the contents, including fixed equipment, resulting from leakage or spillage of water, or from any other intentional or negligent acts or omissions.
- 12.2. Any damage to the structural integrity of the ceilings, floors and walls of the building shall be repaired by the Abatement Contractor at his own expense and replaced with materials of equal or better quality.
- 12.3. The Abatement Contractor shall be responsible for any asbestos fiber contamination of adjoining areas and/or properties, which occurs as a result of the asbestos abatement activities. All equipment and/or materials within these areas and/or properties shall be totally decontaminated or disposed of and replaced by the Abatement Contractor with equipment and/or materials of equal or higher quality at the Abatement Contractor's sole expense.

13.0 PERSONAL PROTECTION

- 13.1. If personal samples are found to be above the OSHA Permissible Exposure limit or the Excursion limit, workers shall wear properly fitted respirators in the work area. Respirator selection shall be based on personal air monitoring as required by 29 CFR 1926.103. Long sideburns, beards, etc., which interfere with proper fit are unacceptable.
- 13.2. All work requiring the use of half mask negative pressure air purifying respirators shall be equipped with HEPA filters.
- 13.2.1 All Class I work areas require the use of Class "C" supplied air respirators unless respirators of a lower protection factor are approved by the Owner, or their representative, based upon initial monitoring or historical documentation. It is required that the Contractor utilizes respirators with protection factors that maintain the concentration of airborne asbestos fibers inside the respirators to less than 0.1 fibers/cc. Supplied air respirator systems must include a backup provision approved by the Owner, or their representative for maintaining airflow long enough for escape and decontamination from the contaminated atmosphere in the event of loss of the primary source of breathing air. Supplied air quality shall be Grade D breathing air or better from a certified air source. Copies of those certificates may be requested by the Owner, or their representatives.
- 13.2.2 All Class II work requires the use of half mask negative pressure air purifying respirators equipped with HEPA filters unless respirators of a lower protection factor are approved by the Owner, or their representative, based upon initial monitoring or historical documentation. It is required that the Contractor utilizes respirators with protection factors that maintain the concentration of airborne asbestos fibers inside the respirators to less than 0.1 fibers/cc.
- 13.3. All protective equipment requires the approval of the General Contractor, Building Owner, or their designated representative. Workers shall wear disposable, full body coveralls, disposable head covers and disposable footwear in the work area. Required protective equipment also includes goggles (if half-face masks are used), and disposable gloves taped to the sleeves of the suit. If heavy reusable gloves are necessary, they shall be of a type approved by the General Contractor and/or Building Owner. Such gloves shall be rinsed at the end of each day. Prior to disposal, contaminated water shall be filtered to remove particles five (5) microns or larger.

- 13.4. The Abatement Contractor shall set up a decontamination area, including a clean change room and equipment room, and a shower conveniently attached or accessible to the work areas. This area shall include a clean room connected by a suitable barrier to a walk-through shower that is also connected by a suitable barrier to an equipment room. Specific allowances may be detailed in the Work Area Preparation section.
- 13.4.1. The clean change room is an area in which employees remove their street clothes and don their respirators and disposable protective clothing. The clean room should be equipped with lockers or boxes for the storage of workers' clothing and personal articles. Extra disposable coveralls and towels can also be stored in the clean change room.
- 13.4.2. The shower should be contiguous with both the clean and dirty change rooms and should be used by all workers leaving the work area. The shower should also be used to clean asbestos-contaminated equipment and materials, such as the outsides of asbestos waste bags and hand tools used in the removal process.
- 13.4.3. The equipment room (change room) is the area where workers remove protective coveralls and where equipment that is to be used in the work area can be stored. The equipment room should be lined with two separate layers of 6-mil thick polyethylene plastic sheeting. Two layers of 6-mil polyethylene plastic sheeting that are not taped together to form a double flap or other suitable barrier between the equipment room and the shower and between the shower and the clean change room.
- 13.4.4. The shower must be drained and filtered to retain particles five (5) microns or larger after each use to ensure that contaminated water is not released, it should be cleaned up as soon as possible to prevent any asbestos in the water from drying and becoming airborne in areas outside the work area.
- 13.4.5. The clean room, shower area, and equipment room shall be cleaned daily.
- 13.5. All workers shall use the following procedure: Remove street clothes in the clean room and put on coveralls and all other protective equipment before entering the work area. All coveralls, head covers, boots, etc., shall be cleaned with a HEPA vacuum prior to leaving the work area. The respirator shall be worn in such a manner to prevent the hood from interfering with the proper fit of the respirator seal during decontamination. After completely disrobing with the exception of their respirators in the equipment room, the workers shall proceed to the shower room. Under the shower, respirators shall be rinsed thoroughly then removed and cleaned. Used filters shall be placed in suitable plastic bags on the contaminated

side of the shower, sealed, and labeled for disposal.

- 13.6. Clean respirators shall be carried by employees to the clean room where they shall be dried. Soap, towels, shampoo, etc., shall be provided by the Abatement Contractor. Respirators will be sanitized by the Abatement Contractor daily or between wearings if more than one person is using a respirator. Workers will don new coveralls upon exiting to the clean room for breaks. Upon re-entry into the clean room after breaks, the workers shall place new filters in their respirators (if using air-purifying respirators) and don respirators before entering the work area.
- 13.7. Eating, drinking, smoking, and chewing are not allowed in the work area, equipment room, or shower areas. Prior to smoking, eating, or drinking, workers will fully decontaminate by showering. Each worker will then dress into a clean disposable coverall to eat, smoke, or drink. This new coverall can then be used to re-enter the work area. The Abatement Contractor shall provide disposable coveralls, head cover, and footwear to any official representative of the General Contractor, Building Owner, or anyone else who inspects the job site.
- 13.8. All personnel, without exception, entering the work area, shall wear an approved respirator, disposable coveralls, head cover, and footwear.

14.0 WORK AREA PREPARATION

- 14.1. All asbestos abatement work will be performed with the local HVAC system shut down and/or sealed.
- 14.2. For asbestos removals where movable objects are contaminated or are suspected of being contaminated, they should be vacuumed with a HEPA vacuum and/or cleaned with amended water.
 - 14.2.1. For each containment area, before asbestos removal work begins, objects that cannot be removed from the work area should be covered with two layers of polyethylene plastic sheeting that is securely taped with duct tape or plastic tape to achieve an airtight seal around the object. When all objects have either been removed from the work area or covered with plastic, all penetrations of the floor, walls, and ceiling as applicable should be sealed with 6-mil polyethylene plastic and tapes to prevent airborne asbestos from escaping into the areas outside the work area or from lodging in cracks around the penetrations. Penetrations that require sealing are typically found around electrical conduits, telephone wires, water supply drainpipes, and supply and return air grills. A single entrance to be used for access and egress to the work area should be selected, and all other doors and windows should be sealed with tape or be covered with 6-mil polyethylene plastic sheeting and securely taped.

- 14.3. The Abatement Contractor shall not dispose of any equipment or devices without notifying the General Contractor and/or Building Owner of such. Unless instructed otherwise by the General Contractor, Building Owner or their representative, all reasonable efforts will be made by the Abatement Contractor to clean all equipment or devices.
- 14.4. All roofing materials can be removed in a Class II regulated area that requires proper critical barriers, drop cloths, and signs to be in place as required by OSHA and EPA. Each regulated area must have a decontamination area connected to the regulated work area, if feasible. A satellite decontamination area is acceptable, if it cannot be connected to the regulated work area.
- 14.4.1. The Abatement Contractor shall set up a decontamination area consisting of at least a one-stage decontamination area that is large enough for workers to decontaminate themselves and any tools. The area shall include a 6-mil polyethylene drop cloth, an HEPA vacuum cleaner, and a washing station.
- 14.4.2. Roofing materials must be removed as intact as feasible and must be lowered from the roof by hand, dust tight chute, or by hoist by no later than the end of each daily shift.
- 14.5. All friable ACM pipe insulation shall be removed in a Class I regulated area. For pipe insulation removal areas, a full negative pressure enclosure or mini-enclosure may be built or glove bags may be used.
- 14.5.1. Should a negative pressure enclosure or a mini-enclosure be used for friable pipe insulation removal the work areas will be required to establish and maintain a full negative pressure enclosure that requires proper critical barriers, 2 layers of 6-mil polyethylene sheeting on all surfaces, and a continuous negative pressure of -0.02 with respect to the surrounding areas. Proper signs shall be in place before removal begins as required by OSHA and EPA. Each of these regulated areas must have a minimum of a three-stage decontamination area connected to the regulated work area.
- 14.5.1.1. After construction of any enclosure is completed, a ventilation system(s) will be installed by the Contractor to create a differential pressure within the enclosure with respect to the area outside the enclosure. Such ventilation systems must be equipped with HEPA filters in compliance with ANSI 20.2-79 to prevent the release of asbestos fibers to the environment outside the enclosure and should be operated 24 hours a day during the entire project until the final cleanup is completed, and the results of final air samples are received from the laboratory. A sufficient amount of air should be exhausted to create a pressure of 0.02 inches of water within the

enclosure with respect to the area outside the enclosure. In addition, the ventilation system must provide a minimum of four air changes per hour.

14.5.1.2. The differential pressure system shall be operated in accordance to Appendix J, Pages J-1 through J-8, of the EPA Guidance Manual No. EPA 560/85/024, entitled "Recommended Specifications and Operating Procedures for the Use of Negative Pressure System for Asbestos Abatement". These ventilation systems should exhaust the HEPA filtered clean air outside the building in which the asbestos removal is taking place and away from the workers. All work areas will be inspected, and smoke tested prior to the start of work and before each shift by the Contractor. Documentation must be provided to Newport News Housing & Redevelopment Authority within 24 hours.

14.5.1.3. If during the removal process, differential pressure is not maintained in the work area, all removal operations are to stop immediately, the Authority notified, and work shall be halted until the cause of the problem is identified, corrected, and differential pressure is re-established and working properly.

14.5.1.4. A direct reading and recording device to record (tape) differential pressure readings is mandatory and shall operate continuously throughout the duration of the job. Recorded tapes to become the property of the Authority.

14.5.1.5. The Contractor shall visually inspect enclosures at the beginning and end of each work period. Damaged asbestos barriers and defects must be repaired immediately upon discovery. Doors used as the main entrance to the work area to be locked after working hours. An enclosure or a 20-foot roped off perimeter will be designated around each work area.

14.5.2. Should glove bags be used to complete this removal, a glove bag is required to be 6-mil in thickness, seamless at the bottom, withstand at least 150°F, and can only be used once. This removal operation requires at least two persons and must be smoke tested prior to use. A secured 6-mil polyethylene drop cloth shall be placed under the work area and a 20-foot roped off area with proper regulatory signs will be established to identify the regulated work area. A decontamination area must be available adjacent to the regulated work area.

14.6. The clean rooms, shower, and equipment rooms shall be cleaned daily.

- 14.7. The Abatement Contractor shall establish emergency and fire procedures and designate exits from the work area. Emergency and fire procedures shall have priority over decontamination procedures. Two (2) emergency half-face respirators shall be available at the work area entrance for use by emergency personnel. Appropriate emergency fire-fighting equipment shall be furnished by the Abatement Contractor and present in the immediate vicinity of the clean room and within the work area.
- 14.8. A caution sign should be posted conforming to 29 CFR 1910.1001(j)(4)(ii)(A), shall be a minimum, of 20" x 14" and shall read as follows:

DANGER
ASBESTOS
MAY CAUSE CANCER
CAUSES DAMAGE TO LUNGS
AUTHORIZED PERSONNEL ONLY

- 14.9. In addition to English, signs will be in the native language of the asbestos workers.

15.0 LABELS

- 15.1. The Abatement Contractor shall provide labels and affix to all asbestos materials, scrap, waste, debris, and other products contaminated with asbestos in accordance with 29 CFR 1910.1200 (q) of OSHA's Hazard Communication Standard, DOT Regulations and Virginia Solid Waste Management Regulation VR 672-20-10. Caution labels shall be of sufficient size to be clearly legible, displaying the following:

DANGER
CONTAINS ASBESTOS FIBERS
MAY CAUSE CANCER
CAUSES DAMAGE TO LUNGS
DO NOT BREATHE DUST
AVOID CREATING DUST
RQ (ASBESTOS)
CLASS 9
NA 2212, III

15.2. In accordance with 40 CFR 61.150 and DOT Regulations the Abatement Contractor will label all asbestos-containing waste material with the name of the waste generator, the location at which the waste was generated and the DOT sign. The Abatement Contractor shall dispose of the slate roofing as Category II nonfriable asbestos containing material. Any asphalt roofing materials shall be disposed of as Category I nonfriable asbestos containing material. Any friable asbestos pipe insulation shall be disposed of as friable Regulated ACM. Any ACM rendered friable during operations shall be disposed of as friable Regulated ACM.

16.0 INSPECTION OF WORK SITE PREPARATION BY THE GENERAL CONTRACTOR, BUILDING OWNER, OR THEIR REPRESENTATIVE

16.1. After setup of each work site, and prior to removal of any asbestos-containing materials, each work site may be inspected by the General Contractor, Building Owner or their representative to ensure it is adequately and properly sealed. No asbestos removal work can be started until this inspection has been made and the asbestos removal checklist (Enclosure No. 1 from the Federal Register Vol. 51, No. 1199, Friday, June 29, 1986, pp. 22782) for each work site is satisfactorily completed.

17.0 AIR MONITORING

17.1. Throughout the entire asbestos removal job, personal and area air monitoring will be performed by the Abatement Contractor to ensure that all OSHA regulations.

17.2. These samples will be analyzed by a Virginia licensed asbestos analytical laboratory in accordance with 29 CFR 1926.1101. Air monitoring shall be performed to provide the following samples prior to, during and following the period of asbestos removal:

<u>AREA</u>	<u>MINIMUM NUMBER OF REQUIRED SAMPLES & FREQUENCY (PER WORK SITE/PER DAY)</u>	<u>MINIMUM SAMPLE VOLUME EACH</u>
Inside work site prior to work (ambient sampling)	1 recommended	Volume necessary for detection limit ≤0.01 fibers/cc
Work site personal monitoring during removal & cleanup operations (Abatement Contractor's responsibility)	1 for each job description Continuous sampling throughout the removal and cleanup of 25% of workforce.* Daily monitoring for short term exposure limit	Continuous monitoring dependent upon work conditions and judgement of sampler and additional 30 minute personal sampling for excursion limit during maximum exposure
Outside of each work site during removal & cleaning operations	1 minimum recommended. Continuous sampling during removal; 1 recommended at perimeter	Continuous monitoring dependent upon work conditions. Minimum volume necessary for ≤0.01 detection limit
Inside each work after removal completion and prior to reoccupancy	0-100' removed – 2 Samples 100'-500' removed – 3 Samples 500'-1,000' removed – 4 Samples 1,000-10,000' removed – 5 Samples	Minimum volume of 1,000 liters per sample

*i.e., one individual bagging and one individual removing would each require personal monitoring.

- 17.3. Following completion of roofing removal, a visual inspection shall be conducted by a competent person and/or the Building Owner, or their representative. Additionally, the General Contractor, Building Owner or their representative shall have the option to perform unannounced inspections and/or tests inside and outside the work area to determine whether or not the Abatement Contractor is in compliance with these specifications. Following removal of friable materials, the Building Owner and/or their representative shall have an asbestos project monitor conduct a visual inspection. If the area is to be occupied by any persons or workers, clearance samples shall be collected in accordance with the Air Monitoring Table (17.2) by the asbestos project monitor after the visual inspection passes.
- 17.4. If sampling results outside the work area are found to be in excess of 0.01 fibers/cc, the Abatement Contractor shall immediately stop work and perform whatever action is necessary to reduce these fiber concentrations to acceptable levels. The Abatement Contractor shall notify the General Contractor and Building Owner immediately. Additional samples shall be made in other adjacent areas as determined to be necessary by the General Contractor and/or Building Owner at the Abatement Contractor's expense. All sampling and analysis will be done in accordance with 29 CFR 1926.1101 and verified by the General Contractor and/or Building Owner.
- 17.5. All verbal analytical results will be presented to the owner within 24 hours. All written analytical results from the laboratory's monitoring shall be presented within three (3) working days to the General Contractor and/or Building Owner as signed "Certificate of Analysis". The form shall state:
- 17.5.1 Date and time sampling began.
 - 17.5.2 Flow rate of samples.
 - 17.5.3 Sampling time elapsed.
 - 17.5.4 Concentration of fibers (fibers greater than five (5) microns/cc air).
 - 17.5.5 Location from which sample was taken (building, floor, room, area within room).
 - 17.5.6 Activity occurring during sampling (removal, clean-up, clean-air, etc.).
 - 17.5.7 Name and phone number of person taking sample.
 - 17.5.8 Name, phone number, and signature of person analyzing sample.

- 17.6. Daily monitoring results will be posted by the Abatement Contractor at the job site on the next workday.
- 17.7. Exposure Records: The Abatement Contractor shall maintain records of any personal or environmental monitoring required by this specification. Records shall be maintained for a period of at least 30 years and shall be made available upon request to the General Contractor, Building Owner, the Secretary of Labor for Occupational Safety and Health, the Director of the National Institute for Occupational Safety and Health, and to authorized representatives of either.

18.0 REMOVAL OPERATIONS

- 18.1. The Abatement Contractor will designate, in writing to the General Contractor and/or Building Owner, one individual as the job's competent person to ensure that the work areas and employees are in compliance with all EPA and OSHA Regulations and these specifications and will be available on site at all times when work is in progress. The competent person shall also ensure that the daily log is maintained, and copies supplied to the General Contractor and/or Building Owner, that unauthorized personnel do not enter asbestos regulated areas and that all employees and other personnel who enter the work area use the hygiene facilities and observe the proper decontamination procedures. Proper work practices are necessary during asbestos removal, demolition, and renovations to ensure that the concentration or asbestos fibers inside the work area remains as low as possible. One of the most important work practices is to wet the asbestos-containing material before it is disturbed. Asbestos-containing materials shall be thoroughly wetted and removed as intact as possible and placed in properly labeled bags. All roofing materials can be removed in a Class II regulated area that requires proper critical barriers, drop cloths, and signs to be in place as required by OSHA and EPA. Each regulated area must have a decontamination area connected to the regulated work area, if feasible. A satellite decontamination area is acceptable, if it cannot be connected to the regulated work area. All friable ACM pipe insulation shall be removed in a Class I regulated area. For pipe insulation removal areas, a full negative pressure enclosure or mini-enclosure may be built or glove bags may be used. All roofing material can be removed in a Class II regulated asbestos work area with a decontamination area attached. All federal and state requirements must be met for signage and regulated work area set up. All slate roofing shall be disposed of as Category II nonfriable asbestos containing material. Any asphalt roofing materials shall be disposed of as Category I nonfriable asbestos containing material. Any friable asbestos pipe insulation shall be disposed of as friable Regulated ACM. Any ACM rendered friable during operations shall be disposed of as friable Regulated ACM. All bags collected from regulated asbestos work areas shall be properly sealed immediately after filling, placed in another labeled 6-mil bag, and properly cleaned with a wet sponge and HEPA filtered vacuum prior to removal from the work site. The sealable asbestos waste bags shall be 6-mil and labeled as prescribed by the

federal and state regulations referenced in these specifications.

- 18.2. The Abatement Contractor must mark vehicles used to transport friable asbestos-containing waste material during loading and unloading of the waste. These signs should be visible to anyone in or around the truck.
- 18.3. The markings must be displayed in such a manner and location that a person can easily read:

DANGER
CONTAINS ASBESTOS FIBERS
MAY CAUSE CANCER
CAUSES DAMAGE TO LUNGS
DO NOT BREATHE DUST
AVOID CREATING DUST

- 18.4. The transport vehicle will have the required DOT sign on all four sides. All slate roofing shall be disposed of as Category II nonfriable asbestos containing material. Any asphalt roofing materials shall be disposed of as Category I nonfriable asbestos containing material. Any friable asbestos pipe insulation shall be disposed of as friable Regulated ACM. Any ACM rendered friable during operations shall be disposed of as friable Regulated ACM.

19.0 CLEAN UP OPERATIONS

- 19.1. After all of the asbestos-containing material is removed and bagged, the entire work area shall be cleaned until it is free of all visible asbestos dust. All surfaces from which asbestos has been removed should be cleaned by brushing the surfaces, HEPA vacuuming these surfaces, and wiping them with amended water. The inside of the plastic sheeting should be vacuumed with a HEPA vacuum and wet wiped until there is no visible dust. All surfaces shall be free of visible dust prior to any clearance sampling that may be required. The General Contractor, Building Owner, or their representative will visually inspect each area for the detection of any visible asbestos dust or contamination.
- 19.2. A fine misting of lockdown/encapsulation solution may be sprayed after a satisfactory final inspection. Any final testing that may need to be performed will consist of taking air samples in the workplace that shall show contamination levels do not exceed 0.01 fibers/cc for PCM analysis and an average of less than 70 structures for TEM analysis.
- 19.3. A clearance checklist (Attachment B: "Enclosure No. 2 from the Federal Register, Volume 51, No. 119, Friday, June 20, 1986, pp. 22784") will be satisfactorily completed for each work site by the General Contractor, Building Owner, or their representative.

- 19.4. If the results of any final testings are not satisfactory, a thorough wet cleaning and/or HEPA vacuuming shall be repeated until the required decontamination levels and visual inspections have been achieved. After decontamination levels specified have been confirmed through the final testing specified herein, the plastic shall be removed, the exposed surface thoroughly wet cleaned and/or HEPA vacuumed (i.e. walls), and the plastic, tape and material from the equipment room and shower room bagged and disposed of as asbestos waste. A final check will be carried out by the General Contractor, Building Owner, or its representative, to ensure that no dust or debris remains on surfaces as the result of dismantling operations.

20.0 INSPECTIONS

- 20.1. The performance and execution of the work may be monitored by a representative of the General Contractor and/or Building Owner to ensure full compliance with these specifications and all applicable regulations. The General Contractor and/or Building Owner will bear the cost in connection with the laboratory and inspection work required for the initial and final inspections in this specification; however, the cost of Abatement Contractor delays and subsequent visual inspections and laboratory analysis for personal and area samples taken because the limits specified were exceeded in the initial tests and this specification shall be borne by the Abatement Contractor.
- 20.2. After any ACM roofing materials are removed the Building Owner and/or their representative may utilize an asbestos project monitor to visually inspect removal areas to ensure removal is completed.
- 20.3. After any ACM pipe insulation materials are removed, the Building Owner and/or their representative must utilize an asbestos project monitor to visually inspect removal areas to ensure removal is completed.
- 20.3.1. If areas are to be occupied by any person or worker after completion of ACM removal and visual inspections, clearance samples must be collected by an asbestos project monitor in accordance with the Air Monitoring Table (17.2).

21.0 BUILDING CONTAMINATION AND/OR DAMAGE

- 21.1. If it is determined by exceeding emission limits on air samples and/or analysis of surface dust samples that building and surrounding area contamination has occurred as the result of negligence and/or poor work practices of the Abatement Contractor, as reasonably determined by the General Contractor and/or Building Owner, the Abatement Contractor agrees to clean the premises at no charge to the General Contractor and/or Building Owner and to accept all liability for damages claimed or law suits brought by persons exposed to such contamination.

22.0 DISPOSAL OF ASBESTOS WASTE

22.1. Procedures for hauling and disposal of waste shall comply with 40 CFR 61 (Subpart B), DOT Regulations State, Regional and local standards. All asbestos waste, scrap, debris, containers and asbestos contaminated clothing and equipment which may produce airborne concentrations of asbestos fibers shall be collected and placed in sealed and properly labeled, 6- mil, impermeable bags. For temporary storage, store sealed impermeable bags in asbestos waste containers (drums, skips, etc.). This waste material shall be transported in sealed, properly labeled, DOT approved containers and disposed of only at an USEPA or State approved sanitary landfills. The procedure for hauling and disposal shall comply with 40 CFR (Subpart B), Virginia Hazardous Waste Regulations VR 672-20-10, DOT Regulations, State, Regional, and local standards. Sealed plastic bags may be hand placed from containers into the burial site unless the bags have been broken or damaged. Damaged bags shall remain in the container and the entire contaminated container shall be buried. Uncontaminated containers may be recycled. Workers unloading the sealed containers shall wear appropriate respirators and personal protective equipment when handling asbestos materials at the disposal site. All slate roofing shall be disposed of as Category II nonfriable asbestos containing material. Any asphalt roofing materials shall be disposed of as Category I nonfriable asbestos containing material. Any friable asbestos pipe insulation shall be disposed of as friable Regulated ACM. Any ACM rendered friable during operations shall be disposed of as friable Regulated ACM.

23.0 ABATEMENT CONTRACTOR SUBMITTAL

- 23.1. The Abatement Contractor shall provide the General Contractor and/or Building Owner with the following:
- 23.1.1. Insurance and Financial Records: Submit written verification and referenced as required by this specification.
 - 23.1.2. Prior Work Summary: Submit a summary of prior work as required by this specification.
- 23.2. Twenty days prior to the commencement of work, the Contractor shall also provide the General Contractor and/or Building Owner with the following:
- 23.2.1. Certificates of Compliance: A copy of the manufacturer's certificate of compliance with ANSI 9.2 for each brand and model vacuum, ventilation, and other equipment used by the Contractor to contain or remove asbestos fibers.
 - 23.2.2. Asbestos Plan: Submit a detailed plan of the work procedures to be used in the removal of materials containing asbestos. Such plans shall include:

- 23.2.2.1. The location of asbestos removal areas,
- 23.2.2.2. The location of change rooms,
- 23.2.2.3. The layout of change rooms,
- 23.2.2.4. Interfaces of trades involved in the construction,
- 23.2.2.5. Sequencing of asbestos related work,
- 23.2.2.6. Disposal plan,
- 23.2.2.7. Type of wetting agent, encapsulant, lockdown, asbestos sealer to be used,
- 23.2.2.8. And detailed description of the method to be employed in order to control pollution. This plan must be approved prior to the start of any asbestos work.
- 23.2.2.9. Emergency/fire procedures,

23.2.3. All requirements of this specification (that are more stringent) shall supersede the submitted Asbestos Plan as specified in paragraph 23.2.2.

23.2.4. Landfill: Submit written evidence that landfill for disposal is approved for asbestos disposal by the USEPA and State or local regulatory agencies. During the course of the work, submit written evidence that the landfill received the asbestos material.

23.2.5. Training: Submit the certificates of EPA/Virginia Department of Professional and Occupational Regulation approved training signed by each employee that the employee:

-has received training in the proper handling of materials that contain asbestos;

-understands the health implications and risks involved, includes the illnesses possible from exposure to airborne asbestos fibers;

-understands the use and limits of the respiratory equipment to be used;

-understands the results of monitoring of airborne quantities of asbestos as related to health and respiratory equipment.

- 23.2.6. Hazard Communication Program: Submit copy of written program.
 - 23.2.7. Respiratory Protection: Submit a written respiratory protection plan and results of respirator fit testing.
 - 23.2.8. Medical records: Submit written verification that all employees have passed the specified medical examination.
 - 23.2.9. Copies of asbestos workers, Supervisor's and Abatement Contractor's licenses.
 - 23.2.10. Copies of the asbestos analytical laboratory's license.
 - 23.2.11. Certification that all asbestos abatement personnel have had fire extinguisher training as required by 1926.105A(5).
- 23.3. During the course of the contract work, the Abatement Contractor shall submit the following to the General Contractor and/or Building Owner:
- 23.3.1. Landfill: Within one week of the deposit of a load of asbestos removal waste at a sanitary landfill approved by USEPA or the State for asbestos disposal, the Abatement Contractor shall submit a legible copy of written evidence that the landfill received the asbestos material. Full payment will not be made until all hazardous waste manifests are received.
 - 23.3.2. Daily Log Book Entries: Within 24 hours copies of the daily log book entries will be provided to the General Contractor and/or Building Owner, including detailed records of all entries and exits from the work area.

**LIMITED ASBESTOS INSPECTION REPORT
OF
3400 34th STREET
NEWPORT NEWS, VA
MCS JOB # 24-022S**



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Marine Chemist Service, Inc.

Limited Asbestos Inspection Report

of

**3400 34th Street
Newport News, VA**

on

March 23, 2024

Prepared for:

**Scott Campbell
VIA Design Architects, PC
319 Plume Street
Norfolk, VA 23510**

By

**Eric Bresnan
Virginia Asbestos Inspector License 3303004885
Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
(757) 873-0933**

April 22, 2024

Date

Eric Bresnan

Inspector Signature



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Marine Chemist Service, Inc.

SECTION 1

Asbestos Inspection Report



LIMITED ASBESTOS INSPECTION OF 3400 34th STREET NEWPORT NEWS, VIRGINIA

INTRODUCTION

Background and Purpose

There has been a growing public awareness of the link between the inhalation of asbestos fibers and various diseases such as asbestosis, mesothelioma, lung, and other cancers. As a result, the Asbestos Hazard Emergency Response Act (AHERA 40 CFR Part 763) for schools grades K through 12 was established by EPA.

The necessary components of an AHERA inspection require the accredited inspector to visually inspect and assess the condition of all known or assumed friable asbestos containing building materials (ACBM); to visually inspect non - friable ACBM and touch it to determine friability, and to identify homogeneous areas of friable materials.

EPA's National Emission Standards for Hazardous Air Pollutants (NESHAPS) require thorough inspections for asbestos in structures before the renovation or demolition of those structures.

Virginia law requires that if the initial building permit was issued prior to January 1, 1985, an asbestos inspection must be performed prior to the local authorities issuing a building permit.

In order to comply with NESHAPS, buildings to be renovated or demolished must be thoroughly inspected for asbestos containing building materials. Marine Chemist Service, Inc. follows the AHERA sampling protocol for interior surveys and the Virginia standard for roof surveys.

The purpose of this survey was to provide information for this property concerning the location and type of accessible and/or visible asbestos containing materials prior to renovation.

In compliance with Virginia Regulations, Marine Chemist Service Inc. performed a limited asbestos inspection of 3400 34th Street, located in Newport News, VA on March 23, 2024.



General Information

Marine Chemist Service, Inc. was hired by Scott Campbell of VIA Design Architects on February 20, 2024, to conduct asbestos bulk sampling for suspect asbestos-containing building materials of 3400 34th Street, located in Newport News, VA.

Authorization

Authorization to perform this testing was provided in the form of a phone call notice to proceed by Scott Campbell of VIA Design Architects on February 20, 2024. The building was unoccupied at the time of the inspection.

Warranty

This visual inspection and laboratory report has been prepared in accordance with AHERA and Virginia requirements and current accepted professional practices. A minimum number of bulk asbestos samples were collected to determine the presence or absence of asbestos. This inspection has been performed to provide the client with information concerning the presence of accessible and/or exposed suspect asbestos containing building materials. Destructive testing was not performed. This inspection documents conditions at the time of the inspection only. No other warranties are implied or expressed.



SURVEY METHODS

Inspection Methods

The asbestos survey was performed by a Virginia licensed asbestos inspector. A visual walk through inspection was performed to identify suspect asbestos containing materials and homogeneous areas.

Sampling Methods

The Virginia licensed asbestos inspector sampled the identified suspect materials within the homogeneous areas following the visual inspection. Sampling was not performed on any inaccessible materials and did not involve destructive testing of building components. Sample locations were selected randomly.

LABORATORY METHODS

Analysis Methods

The bulk sample was first visually observed and described. The sample was mounted onto a slide, covered with dispersion staining oil and a cover slip, and observed under a polarized light microscope (PLM). The asbestos and non-asbestos materials in the sample are identified by this method.

The PLM microscopist estimates the amounts of asbestos and non-asbestos components by determining visually the relative volume of each to the total volume of the sample.



ASBESTOS INSPECTION

Document Review and On-Site Survey

Blueprints were not provided for the inspection. A sketch was generated to indicate sample/asbestos material locations.

Identification of Suspect Asbestos Containing Materials

A visual inspection was performed on the suspect asbestos containing material found in the survey areas. The suspect asbestos containing materials are as follows:

1. Gray Shingles
2. Tar Paper
3. Gray Brick
4. White Stucco
5. Brick and Mortar
6. Block and Mortar
7. HVAC Insulation
8. White Window Caulk
9. White Door Caulk
10. 12"x12" Tan Floortile
11. 12"x12" Brown Floortile
12. Drywall and Plaster
13. Texture Ceiling
14. White Sink Caulk



Bulk Sampling

Bulk sampling was performed on all suspect asbestos-containing materials found in the areas and the minimum number of samples were taken as required in the AHERA Standards.

Bulk samples were taken penetrating all layers of the material. The samples were at least one cubic centimeter and were placed in a sealed container at the time of collection. All precautions were taken to prevent exposure to those present in or around the facility during the collection of samples. All sampling locations were patched with an encapsulant after the sampling was complete.

Samples listed below are grouped into homogeneous areas. Homogeneous areas are areas, which are uniform by color, texture, construction/application date, and general appearance.

Some sample results in the % asbestos column may be displayed in this report with a slash between two numbers, (#/#). The first number represents the first material listed under the material location/description and the second number represents the second material listed.

When N/A is placed in the friable category it means the sample tested negative - (0) or less than one percent - ($\leq 1\%$) for asbestos and the friable description does not apply.

Samples were analyzed utilizing Polarized Light Microscopy (PLM) with dispersion staining by a NVLAP accredited laboratory (Marine Chemist Service, Inc. NVLAP Lab Code 200628-0). The results are in section 5.



Marine Chemist Service, Inc.

SECTION 2

Sample Summary Table

**Police Station
3400 34th Street
Newport News, VA 23607**

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
V004-1	0142366-001	North Side Exterior, Gray Shingles: Green/Black Shingle, Black/White Tar, Green/Black Shingle, Green/Black Shingle, Black Felt Paper	0/0/0/0/0	N/A
V004-2	0142366-002	West Side Exterior, Gray Shingles: Green/Black Shingles, Black/White Tar, Green/Black Shingle, Green/Black Shingle, Black Felt Paper	0/0/0/0/0/0	N/A
V004-3	0142366-003	West Side Exterior, Gray Shingles: Green/Black Shingles, Black/White Tar, Green/Gray/Black Shingle, Green/Gray/Black Shingle, Black Felt Paper	0/0/0/0/0	N/A
V004-4	0142366-004	West Side Exterior, Brick, Concrete: Gray Brick and Concrete	0	N/A
V004-5	0142366-005	South Side Exterior, Brick, Concrete: Gray Brick and Concrete	0	N/A
V004-6	0142366-006	East Side Exterior, Brick, Concrete: Gray Brick and Concrete	0	N/A
V004-7	0142366-007	West Side Exterior, Stucco: White/Gray Stucco	0	N/A
V004-8	0142366-008	West Side Exterior, Stucco: White/Gray Stucco	0	N/A
V004-9	0142366-009	East Side Exterior, Stucco: White/Gray Stucco	0	N/A
V004-10	0142366-010	Attic West Side Pillar, Brick, Mortar: Red Brick, Gray Mortar	0/0	N/A
V004-11	0142366-011	Attic West Side Pillar, Brick, Mortar: Red Brick, Gray Mortar	0/0	N/A
V004-12	0142366-012	Attic East Side Pillar, Brick, Mortar: White Surface Material, Red Brick, Gray Mortar	0/0/0	N/A
V004-13	0142366-013	Attic West Side Wall, Block, Mortar: Gray Block, Gray Mortar	0/0	N/A
V004-14	0142366-014	Attic West Side Wall, Block, Mortar: Gray Block, Gray Mortar	0/0	N/A
V004-15	0142366-015	Attic East Side Wall, Block, Mortar: Gray Block, Gray Mortar	0/0	N/A
V004-16	0142366-016	Attic South HVAC Duct, Insulation: Silver/Brown Wrap, Yellow Insulation	0/0	N/A
V004-17	0142366-017	Attic East HVAC Duct, Insulation: Silver/Brown Wrap, Yellow Insulation	0/0	N/A
V004-18	0142366-018	Kitchen South Window, Caulk: White Caulking	0	N/A
V004-19	0142366-019	Lounge South Window, Caulk: White Caulking	0	N/A
V004-20	0142366-020	Bathroom Window, Caulk: White Caulking	0	N/A

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
V004-21	0142366-021	Office 1 Door, Caulk: White Caulking	0	N/A
V004-22	0142366-022	Bathroom Door, Caulk: White Caulking	0	N/A
V004-23	0142366-023	Office 1 West Center Floor 12" FTA: Tan Floor Tile, Yellow Mastic	0/0	N/A
V004-24	0142366-024	Kitchen East Center Floor, 12" FTA: Tan Floor Tile, Yellow Mastic	0/0	N/A
V004-25	0142366-025	Lounge West Center Floor, 12" FTA: Tan Floor Tile, Yellow Mastic	0/0	N/A
V004-26	0142366-026	Bathroom North Center Floor, 12" FTA Patch: Tan Floor Tile, Yellow/Brown Floor Mastic	0/0	N/A
V004-27	0142366-027	Lounge East Wall, Drywall, Plaster: White Surface Material, White/Brown Drywall, Beige/White Plaster Skim Coat, Gray Plaster Base Coat	0/0/0/0	N/A
V004-28	0142366-028	Office 1 South Wall, Drywall, Plaster: White Surface Material, White/Brown Drywall, Beige/White Plaster Skim Coat	0/0/0	N/A
V004-29	0142366-029	Kitchen North Wall, Drywall, Plaster: White Surface Material, White/Brown Drywall, Beige/White Plaster Skim Coat, Gray Plaster Skim Coat	0/0/0/0	N/A
V004-30	0142366-030	Lounge Ceiling, Texture Ceiling: White Texture, White Plaster Skim Coat, Gray Plaster Base Coat	0/0/0	N/A
V004-31	0142366-031	Bathroom Ceiling, Texture Ceiling: White Texture, White Plaster Skim Coat, Gray Plaster Base Coat	0/0/0	N/A
V004-32	0142366-032	Office 1 Ceiling, Texture Ceiling: White Texture, White Plaster Skim Coat, Gray Plaster Base Coat	0/0/0	N/A
V004-33	0142366-033	Kitchen HVAC Closet, HVAC Insulation: Silver/Brown Wrap, Yellow Insulation	0/0	N/A
V004-34	0142366-034	Kitchen HVAC Closet, HVAC Insulation: Silver/Brown Wrap, Yellow Insulation	0/0	N/A
V004-35	0142366-035	Bathroom Sink, Caulk: White Caulking	0	N/A
V004-36	0142366-036	Bathroom Sink, Caulk: White Caulking	0	N/A



Comments

1. None of the sampled materials tested positive for asbestos.
2. When any layer of flooring tests positive for asbestos (floor tile, linoleum, or adhesive/mastic), all adhered layers are considered as 1 homogeneous material that cannot be separated and must be removed as one material during abatement removal operations.
3. Asbestos might be found within walls, ceiling and or pipe chases during the renovation or demolition of the building. If any suspect materials are found, they should be treated as asbestos or tested for asbestos.



Marine Chemist Service, Inc.

SECTION 3 General Legend and Notes

GENERAL LEGEND

O - Sample number/location - non-asbestos

△ - Sample number/location - contains asbestos

GENERAL NOTES

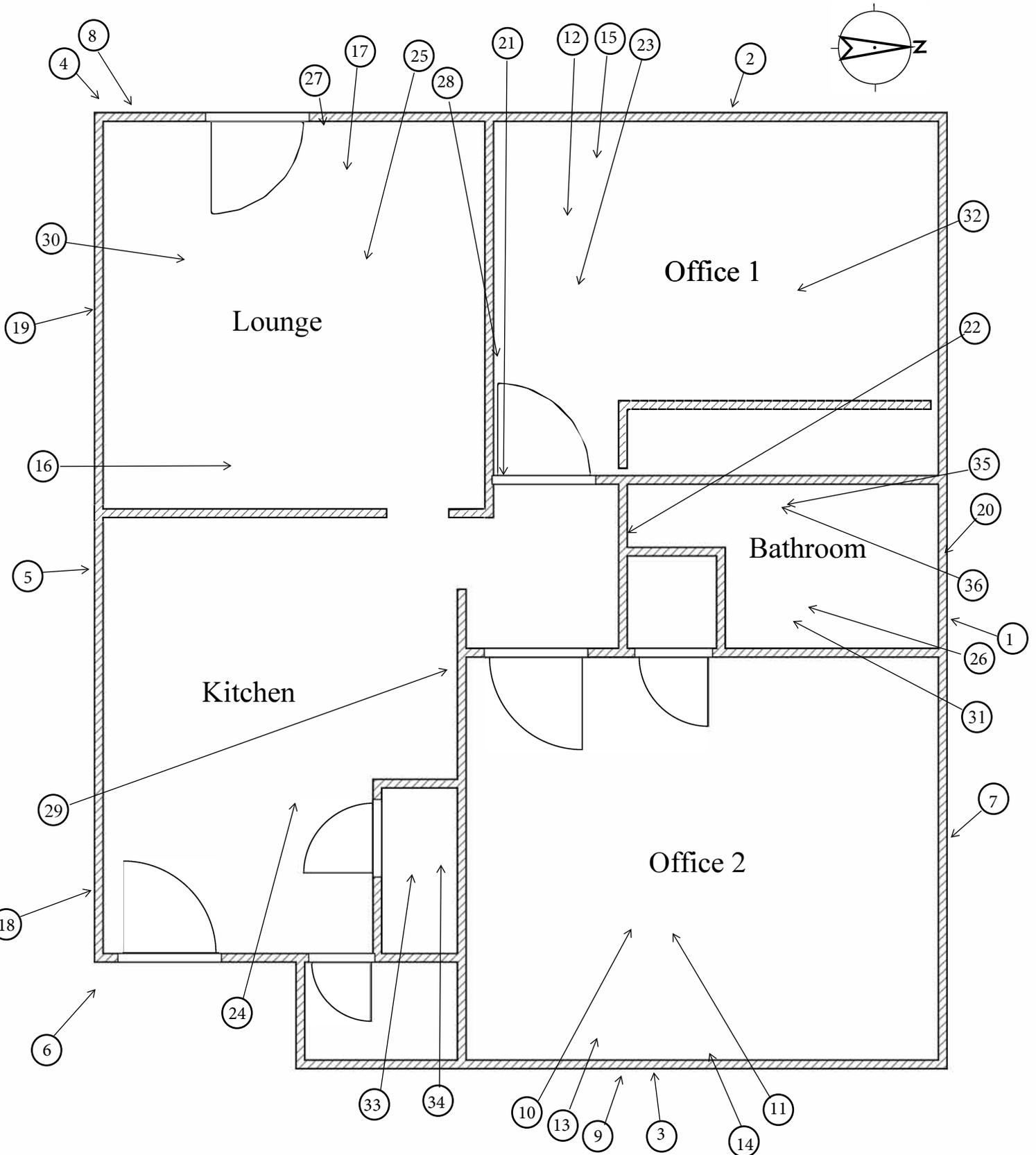
1. The EPA definition of a friable material is one that contains more than 1% asbestos by weight and can be crumbled, pulverized or reduced to a powder by hand pressure when dry, or which under normal use or maintenance emits or can be expected to emit asbestos fibers into the air.
2. All quantities are approximate.
3. Sketches are not to scale.



Marine Chemist Service, Inc.

SECTION 4

Survey Sample Location Sketches



3400 34th Street, Old Police Station



Marine Chemist Service, Inc.

SECTION 5 Reports of Analysis



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142366
Report Date: 04/01/2024
MCS Job No.: 24-022S
Customer PO No.:

Date Sampled: 02/23/2024
Sampled By: Eric Bresnan
Job Location: 3400 34th Street Police Station

Date Received: 02/23/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142366-001 V004-1	North Side Exterior, Shingles, Tar Paper Shingle, Green, Black	LAYER 1	None Detected		Cellulose Fiber Non-Fibrous Material	50% 50%
	Tar, Black, White	LAYER 2	None Detected		Cellulose Fiber Non-Fibrous Material	2% 98%
	Shingle, Green, Black	LAYER 3	None Detected		Cellulose Fiber Non-Fibrous Material	50% 50%
	Shingle, Green, Black	LAYER 4	None Detected		Cellulose Fiber Non-Fibrous Material	50% 50%
	Felt Paper, Black	LAYER 5	None Detected		Cellulose Fiber Non-Fibrous Material	70% 30%
Asbestos Present:		No				



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142366
Report Date: 04/01/2024
MCS Job No.: 24-022S
Customer PO No.:

Date Sampled: 02/23/2024
Sampled By: Eric Bresnan
Job Location: 3400 34th Street Police Station

Date Received: 02/23/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142366-002 V004-2	West Side Exterior, Shingles, Tar Paper Shingle, Green, Black	LAYER 1	None Detected		Cellulose Fiber Non-Fibrous Material	50% 50%
	Tar, Black, White	LAYER 2	None Detected		Cellulose Fiber Non-Fibrous Material	2% 98%
	Shingle, Green, Black	LAYER 3	None Detected		Cellulose Fiber Non-Fibrous Material	50% 50%
	Shingle, Green, Black	LAYER 4	None Detected		Cellulose Fiber Non-Fibrous Material	50% 50%
	Shingle, Gray, Black	LAYER 5	None Detected		Fibrous Glass Non-Fibrous Material	50% 50%
	Felt Paper, Black	LAYER 6	None Detected		Cellulose Fiber Non-Fibrous Material	70% 30%

Asbestos Present: No



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www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
Virginia Laboratory	DGS - DPOR	Lead and Copper: Drinking Water
		<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142366-003 V004-3	East Side Exterior, Shingles, Tar Paper Shingle, Green, Black	LAYER 1	None Detected		Cellulose Fiber Non-Fibrous Material	50% 50%
	Tar, Black, White	LAYER 2	None Detected		Cellulose Fiber Non-Fibrous Material	2% 98%
	Shingle, Green Gray, Black	LAYER 3	None Detected		Cellulose Fiber Non-Fibrous Material	50% 50%
	Shingle, Green Gray, Black	LAYER 4	None Detected		Cellulose Fiber Non-Fibrous Material	50% 50%
	Felt Paper, Black	LAYER 5	None Detected		Cellulose Fiber Non-Fibrous Material	70% 30%
Asbestos Present: No						
0142366-004 V004-4	West Side Exterior, Brick, Concrete Brick and Concrete, Gray	LAYER 1	None Detected		Non-Fibrous Material	100%
	Unable to separate brick and concrete.					
Asbestos Present: No						
0142366-005 V004-5	South Side Exterior, Brick, Concrete Brick and Concrete, Gray	LAYER 1	None Detected		Non-Fibrous Material	100%
	Unable to separate brick and concrete.					
Asbestos Present: No						



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142366-006 V004-6	East Side Exterior, Brick, Concrete Brick and Concrete, Gray	LAYER 1	None Detected		Non-Fibrous Material	100%
Unable to separate brick and concrete.						
Asbestos Present: No						
0142366-007 V004-7	North Side Exterior Window, Stucco Stucco, White, Gray	LAYER 1	None Detected		Fibrous Glass Non-Fibrous Material	2% 98%
Asbestos Present: No						
0142366-008 V004-8	West Side Exterior, Stucco Stucco, White, Gray	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142366-009 V004-9	East Side Exterior, Stucco Stucco, White, Gray	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

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Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142366-010 V004-10	Attic West Side Pillar, Brick, Mortar	LAYER 1	None Detected		Non-Fibrous Material	100%
	Brick, Red					
	Mortar, Gray	LAYER 2	None Detected		Non-Fibrous Material	100%
	Asbestos Present: No					
0142366-011 V004-11	Attic West Side Pillar, Brick, Mortar	LAYER 1	None Detected		Non-Fibrous Material	100%
	Brick, Red					
	Mortar, Gray	LAYER 2	None Detected		Non-Fibrous Material	100%
	Asbestos Present: No					
0142366-012 V004-12	Attic East Side Pillar, Brick, Mortar	LAYER 1	None Detected		Non-Fibrous Material	100%
	Surface Material, White					
	Brick, Red					
	Mortar, Gray	LAYER 3	None Detected		Non-Fibrous Material	100%
	Asbestos Present: No					



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	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142366-013 V004-13	Attic West Side Wall, Block, Mortar	LAYER 1	None Detected		Non-Fibrous Material	100%
	Block, Gray					
	Mortar, Gray	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142366-014 V004-14	Attic West Side Wall, Block, Mortar	LAYER 1	None Detected		Non-Fibrous Material	100%
	Block, Gray					
	Mortar, Gray	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142366-015 V004-15	Attic East Side Wall, Block, Mortar	LAYER 1	None Detected		Non-Fibrous Material	100%
	Block, Gray					
	Mortar, Gray	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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Credentials	Agency	Scope
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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	Non-Asbestos Components	(%)	(%)
0142366-016 V004-16	Attic South HVAC Duct, Insulation Wrap, Silver, Brown	LAYER 1	None Detected	Cellulose Fiber	45%	
				Fibrous Glass	5%	
	Insulation, Yellow	LAYER 2	None Detected	Non-Fibrous Material	50%	
				Fibrous Glass	100%	
Asbestos Present: No						
0142366-017 V004-17	Attic East HVAC Duct, Insulation Wrap, Silver, Brown	LAYER 1	None Detected	Cellulose Fiber	45%	
				Fibrous Glass	5%	
	Insulation, Yellow	LAYER 2	None Detected	Non-Fibrous Material	50%	
				Fibrous Glass	100%	
Asbestos Present: No						
0142366-018 V004-18	Kitchen South Window, Caulk Caulking, White	LAYER 1	None Detected	Non-Fibrous Material	100%	
Asbestos Present: No						



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	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NFW
		Lead and Copper: Drinking Water
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142366-019 V004-19	Lounge South Window, Caulk Caulking, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142366-020 V004-20	Bathroom Window, Caulk Caulking, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142366-021 V004-21	Office 1 Door, Caulk Caulking, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142366-022 V004-22	Bathroom Door, Caulk Caulking, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142366-023 V004-23	Office 1 West Center Floor, 12" FTA Floor Tile, Tan	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142366-024 V004-24	Kitchen East Center Floor, 12" FTA Floor Tile, Tan	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142366-025 V004-25	Lounge West Center Floor, 12" FTA Floor Tile, Tan	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142366-026	Bathroom North Center Floor, 12" FTA Patch					
V004-26	Floor Tile, Tan	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow, Brown	LAYER 2	None Detected		Cellulose Fiber	2%
					Non-Fibrous Material	98%
Unable to separate yellow and brown mastics.						
Asbestos Present: No						
0142366-027	Lounge East Wall, Drywall, Plaster					
V004-27	Surface Material, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Drywall, White, Brown	LAYER 2	None Detected		Cellulose Fiber	20%
					Non-Fibrous Material	80%
	Plaster Skim Coat, Beige, White	LAYER 3	None Detected		Non-Fibrous Material	100%
	Plaster Base Coat, Gray	LAYER 4	None Detected		Cellulose Fiber	<1%
					Non-Fibrous Material	100%
Asbestos Present: No						



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
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MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	Non-Asbestos Components	(%)	(%)
0142366-028 V004-28	Office 1 South Wall, Drywall, Plaster Surface Material, White	LAYER 1	None Detected	Non-Fibrous Material		100%
	Drywall, White, Brown	LAYER 2	None Detected	Cellulose Fiber Non-Fibrous Material		20% 80%
	Plaster Skim Coat, Beige, White	LAYER 3	None Detected	Non-Fibrous Material		100%
No plaster base coat present.						
Asbestos Present: No						
0142366-029 V004-29	Kitchen North Wall, Drywall, Plaster Surface Material, White	LAYER 1	None Detected	Non-Fibrous Material		100%
	Drywall, White, Brown	LAYER 2	None Detected	Cellulose Fiber Non-Fibrous Material		20% 80%
	Plaster Skim Coat, Beige, White	LAYER 3	None Detected	Non-Fibrous Material		100%
	Plaster Base Coat, Gray	LAYER 4	None Detected	Cellulose Fiber Non-Fibrous Material		<1% 100%
Asbestos Present: No						



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
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MCS Report No.: 0142366
Report Date: 04/01/2024
MCS Job No.: 24-022S
Customer PO No.:

Date Sampled: 02/23/2024
Sampled By: Eric Bresnan
Job Location: 3400 34th Street Police Station

Date Received: 02/23/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142366-030 V004-30	Lounge Ceiling, Texture Ceiling Texture, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Plaster Skim Coat, White	LAYER 2	None Detected		Non-Fibrous Material	100%
	Plaster Base Coat, Gray	LAYER 3	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
Asbestos Present: No						
0142366-031 V004-31	Bathroom Ceiling, Texture Ceiling Texture, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Plaster Skim Coat, White	LAYER 2	None Detected		Non-Fibrous Material	100%
	Plaster Base Coat, Gray	LAYER 3	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
Asbestos Present: No						



Marine Chemist Service, Inc.
 11850 TUG BOAT LANE
 NEWPORT NEWS, VA 23606-2527
 TEL: (757) 873-0933 · NORFOLK (757) 640-1122
 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
Virginia Certification	NVLAP VELAP TNI	Asbestos Bulk: PLM <u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142366
Report Date: 04/01/2024
MCS Job No.: 24-022S
Customer PO No.:

Date Sampled: 02/23/2024
Sampled By: Eric Bresnan
Job Location: 3400 34th Street Police Station

Date Received: 02/23/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	Non-Asbestos Components	(%)	(%)
0142366-032 V004-32	Office 1 Ceiling, Texture Ceiling Texture, White	LAYER 1	None Detected	Non-Fibrous Material		100%
	Plaster Skim Coat, White	LAYER 2	None Detected	Non-Fibrous Material		100%
	Plaster Base Coat, Gray	LAYER 3	None Detected	Cellulose Fiber Non-Fibrous Material	<1% 100%	
Asbestos Present: No						
0142366-033 V004-33	Kitchen HVAC Closet, HVAC Insulation Wrap, Silver, Brown	LAYER 1	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	45% 5% 50%	
	Insulation, Yellow	LAYER 2	None Detected	Fibrous Glass		100%
Asbestos Present: No						



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 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142366
Report Date: 04/01/2024
MCS Job No.: 24-022S
Customer PO No.:

Date Sampled: 02/23/2024
Sampled By: Eric Bresnan
Job Location: 3400 34th Street Police Station

Date Received: 02/23/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142366-034 V004-34	Kitchen HVAC Closet, HVAC Insulation Wrap, Silver, Brown	LAYER 1	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	45% 5% 50%
	Insulation, Yellow	LAYER 2	None Detected		Fibrous Glass	100%
Asbestos Present: No						
0142366-035 V004-35	Bathroom Sink, Caulk Caulking, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Asbestos Present: No					
0142366-036 V004-36	Bathroom Sink, Caulk Caulking, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Asbestos Present: No					

Analysis performed at Eurofins CEI, Inc. Cary, NC (NVLAP Lab Code: 101768-0). Lab Code B245450.



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 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142366
Report Date: 04/01/2024
MCS Job No.: 24-022S
Customer PO No.:

Date Sampled: 02/23/2024
Sampled By: Eric Bresnan
Job Location: 3400 34th Street Police Station

Date Received: 02/23/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	Non-Asbestos Components	(%)	(%)
-----------------------------------	--------------------------------	-----------	------------------	----------------------------	-----	-----


 Approved Signatory - Mary Helen Scott
 Laboratory Supervisor

Method Detection Limit: = <1%

- * Fiber concentrations were determined by visually estimating the area percentage for each type.
- * Asbestos fibers may not be detected by PLM in certain samples because of their size (<5um) or being bound with non-friable organic matrix. In such cases an alternative method of analysis may be necessary.
- * Analyzed only readily discernable layers.
- * All laboratory test results meet the applicable quality control requirements unless otherwise mentioned.
- * MCS, Inc. can not attest to nor be held responsible for the proper collection of samples and/or accuracy of the sample information provided by customers for samples not collected by MCS, Inc.
- * Test report relates only to the items tested.
- * The samples will be stored at the MCS, Inc. laboratory for a period of thirty days after the analysis. At the end of the period, it will be our policy to dispose of the samples unless prior arrangements have been made for a longer storage period.
- * This report shall not be reproduced, except in full, without the written approval of this laboratory.
- * The Report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government.
- * The Report includes Chain of Custody.



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 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk, VA 23510

Date Sampled: 02/23/2024
Sampled By: Eric Bresnan
Job Location: 3400 34th Street Police Station

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

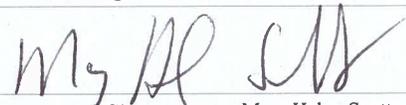
MCS Report No.: 0142364
Report Date: 03/05/2024
MCS Job No.: 24-022S
Customer PO No.:

Date Received: 02/23/2024
Received By: CAM
Sample Matrix: SOLID

REPORT OF ANALYSIS

MCS Sample No.	Sample Location	Analysis	Result	Reporting Limit	Units	Method	Analysis Date	Analyst
Field Sample ID	Description							
0142364-001 TCLP-1	Total Composite of Building	Lead	<0.10	0.10	mg/l	EPA 1311/7000B	03/01/2024	APA

TCLP Regulatory Limit for Lead is 5.0 mg/l.


Approved Signatory - Mary Helen Scott
 Laboratory Supervisor

- * Laboratory test results are not corrected for blank values.
- * Final results are rounded to the number of significant figures appropriate to the accuracy of the sample matrix, analytical method and carried through to fit the report format.
- * All laboratory test results meet the applicable quality control requirements unless otherwise mentioned.
- * Test report relates only to the items tested.
- * The Report includes Chain of Custody and if applicable TWA Table.
- * MCS, Inc. can not attest to nor be held responsible for the proper collection of samples and/or accuracy of the sample information provided by customers for samples not collected by MCS, Inc.
- * This report shall not be reproduced, except in full, without the written approval of this laboratory.



Marine Chemist Service, Inc.

11850 Tug Boat Lane • Newport News, VA 23606
(757) 873-0933 • (757) 873-1074 (fax)
www.MarineChemist.com

Customer: VIA Design LLC
Address: 319 Plume Street Norfolk VA 23510
Email: Scampbell@viaDesignArchitects.com
Attention: Scott Campbell
Phone: (757) 373-7151 Fax:
MCS Job #: 24-022S Customer PO:

BULK Chain of Custody Form

(use separate form for each matrix)

Job Location: 3400 34th Street Police Station

MCS Use Only
Special Instructions:
MCS Project Manager:
DO NOT MAIL Give Report To:
Email: @
MCS Lab Report No. 0142364 CAM 2/23/24
Samples Acceptable to Lab Yes No By
Date If "No" Reason

Requested Turnaround Time (markup)

- Building Material
Paint
Soil
Other
Same Day (100%)
1-Day (75%)
2-Day (50%)
3-Day (25%)
4-Day (12.5%)
5-Day (standard)

RESULTS DUE BY:
ANALYSIS: TCLP

Table with 4 columns: Field ID, Sample Location, Sample Description, MCS Sample No.
Row 1: TCP-1, Total Composite of Building, 210g, 0142364-001

Eric Brisman (Print), Eric Brisman (Signature), 02-23-24 (Date/Time)
Eric Brisman (Print), Eric Brisman (Signature), 02-23-24 (Date/Time)
Carlos Merdoza (Print), Carlos Merdoza (Signature), 2/23/24 2:00pm (Date/Time)
OFFICE USE ONLY: Verbal, Faxed, Emailed, Mailed, Billing



Marine Chemist Service, Inc.
 11850 Tug Boat Lane • Newport News, VA 23606
 (757) 873-0933 • (757) 873-1074 (fax)
 www.MarineChemist.com

Customer: VIA Design LLC Page 1 of ____
 Address: 319 Plum Street Norfolk VA 23510
 Email: Scampbell@viaDesignArchitects.com
 Attention: Scott Campbell
 Phone: (757) 373-7151 Fax: _____
 MCS Job #: 24-0225 Customer PO: _____

BULK Chain of Custody Form

(use separate form for each matrix)

Job Location: 3400 34th Street Police Station

MCS Use Only

Special Instructions: Subcontracted to Euvr. Inc.

MCS Project Manager: _____

DO NOT MAIL Give Report To: _____

Email: _____ @ _____

MCS Lab Report No. 0142366 CAM 2/23/24

Samples Acceptable to Lab Yes No By _____

Date _____ If "No" Reason _____

Requested Turnaround Time (markup)

<input checked="" type="checkbox"/> Building Material	<input type="checkbox"/> Same Day (100%)
<input type="checkbox"/> Paint	<input type="checkbox"/> 1-Day (75%)
<input type="checkbox"/> Soil	<input type="checkbox"/> 2-Day (50%)
<input type="checkbox"/> Other _____	<input type="checkbox"/> 3-Day (25%)
	<input type="checkbox"/> 4-Day (12.5%)
	<input checked="" type="checkbox"/> 5-Day (standard)

RESULTS DUE BY: 03/01/24

ANALYSIS: PLM

Field ID	Sample Location	Sample Description	MCS Sample No.
<i>example</i>	<i>room or area</i>	<i>size / color / material</i>	<i>lab use only</i>
V004-1	Northside Exterior	Gray Shingles + Tar paper	0142366-001
V004-2	Westside Exterior	Gray Shingles + Tar paper	0142366-002
V004-3	Eastside Exterior	Gray Shingles + Tar paper	0142366-003
V004-4	Westside Exterior	Gray Brick / concrete	0142366-004
V004-5	Southside Exterior	Gray Brick / concrete	0142366-005
V004-6	Eastside Exterior	Gray Brick / concrete	0142366-006
V004-7	Northside Exterior Window	White Stucco	0142366-007
V004-8	Westside Exterior	White Stucco	0142366-008
V004-9	Eastside Exterior	White Stucco	0142366-009
V004-10	Attic Westside Pillar	Brick + Mortar	0142366-010
V004-11	Attic West side Pillar	Brick + Mortar	0142366-011
V004-12	Attic East side Pillar	Brick + Mortar	0142366-012
V004-13	Attic Westside wall	Block + Mortar	0142366-013
V004-14	Attic Westside wall	Block + Mortar	0142366-014
V004-15	Attic Eastside wall	Block + Mortar	0142366-015
V004-16	Attic South HVAC Duct	HVAC Insulation	0142366-016
V004-17	Attic East HVAC Duct	HVAC Insulation	0142366-017
V004-18	Kitchen South Window	White Window Caulk	0142366-018
V004-19	Lounge South Window	White Window Caulk	0142366-019
V004-20	Bathroom Window	White Window Caulk	0142366-020

Eric Brasner
 Sampled by (Print)

Eric Brasner
 Transported by (Print)

Carlos Mendoza
 Received by (Print)

E. Brasner
 Signature

E. Brasner
 Signature

[Signature]
 Signature

02-23-24
 Date/Time

02-23-24
 Date/Time

2/23/24 2:54
 Date/Time

OFFICE USE ONLY:

Verbal _____

Faxed _____

Copied _____

Emailed _____

(date and initial above areas)

Mailed _____ Billing _____



Marine Chemist Service, Inc.

11850 Tug Boat Lane • Newport News, VA 23606
(757) 873-0933 • (757) 873-1074 (fax)
www.MarineChemist.com

Customer: VIA Design LLC
Address: 219 Plume Street Norfolk VA 23510
Email: Scampbell@viaDesignArchitects.com
Attention: Scott Campbell
Phone: (757) 373-7151 Fax:
MCS Job #: 24-0225 Customer PO:

BULK Chain of Custody Form

(use separate form for each matrix)

Job Location: 3400 34th Street Police Station

MCS Use Only
Special Instructions:
MCS Project Manager:
DO NOT MAIL Give Report To:
Email: @
MCS Lab Report No. 0142366 CAM 2/23/24
Samples Acceptable to Lab Yes No By
Date If "No" Reason

Requested Turnaround Time (markup)
Building Material
Paint
Snail
Other
Same Day (100%)
1-Day (75%)
2-Day (50%)
3-Day (25%)
4-Day (12.5%)
5-Day (standard)
RESULTS DUE BY: 3/1/24
ANALYSIS: PLM

Table with 4 columns: Field ID, Sample Location, Sample Description, MCS Sample No.
Rows include: Office 1 Door, Bathroom Door, Office 1 West center Floor, Kitchen East center Floor, Lounge West center Floor, Bathroom North Center Floor, Lounge East Wall, Office 1 South Wall, Kitchen North Wall, Lounge Ceiling, Bathroom Ceiling, Office 1 Ceiling, Kitchen HVAC closet, Kitchen HVAC closet, Bathroom sink, Bathroom sink.

Eric Bresnan (Print), Signature, Date/Time 02-23-24
Eric Bresnan (Print), Signature, Date/Time 02-23-24
Carlos Mendoza (Print), Signature, Date/Time 2/23/24 2:54
OFFICE USE ONLY: Verbal, Faxed, Copied, Emailed



Marine Chemist Service, Inc.

SECTION 6 Inspection Information



Marine Chemist Service, Inc.

Inspection Information

The survey contractor for the inspection of 3400 34th Street Newport News VA is:

**Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
www.MarineChemist.com**

The team leader responsible for quality control coordination of inspection and adherence to inspection protocol is:

**Patrick Studley - CIH
Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
PStudley@MarineChemist.com**

The AIHA and NVLAP Accredited laboratory selected to analyze the bulk samples for asbestos content by PLM, using the "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (Appendix A to Subpart F in 40 CFR Part 763) is:

**Marine Chemist Service, Inc.
Virginia Asbestos Analytical Laboratory License 3333 000004
11850 Tug Boat Lane
Newport News, Virginia 23606
(757) 873-0933**

The inspector who physically inspected the building and who have received EPA-Approved Training is:

**Eric Bresnan
Virginia Asbestos Inspector License 3303 04885
EBresnan@MarineChemist.com**

The Industrial Hygiene Inspector is employed by:

**Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606**



Marine Chemist Service, Inc.

SECTION 7 Credentials

The Board for Global EHS Credentialing (BGC)

through its vested authority, hereby confirms that

Patrick Gene Studley

has met all requirements of education, experience, and examination, and on-going maintenance set forth through the BGC's American Board of Industrial Hygiene® (ABIH®) credentialing division for re-certification in the Comprehensive Practice of Industrial Hygiene and is thereby conferred the credential of

Certified Industrial Hygienist® (CIH®)

The aforementioned individual is given all rights, privileges, and responsibilities as both a diplomate of the BGC and holder of the CIH credential, provided that the credential is not suspended or revoked, and it is renewed annually. Moreover, the holder must meet all recertification requirements, including the obligation to practice ethically as prescribed by the BGC.



Credential Number: 11321 CP
Award Date: May 31, 2017
Expiration Date: December 1, 2027

Thomas G. Grumbles, CIH, CPPS, FAIHA
Chair of the Board of Directors



Ulric K. Chung, MCS, PhD
Chief Executive Officer and Secretary

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON
05-31-2024

NUMBER
3303004885

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE



ERIC BRESNAN
11850 TUG BOAT LN
NEWPORT NEWS, VA 23606



Dominick J. Meis
Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

DPOR COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

(DETACH HERE)

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE
NUMBER: 3303004885 EXPIRES: 05-31-2024

ERIC BRESNAN
11850 TUG BOAT LN
NEWPORT NEWS, VA 23606



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)

LICENSE PRIVILEGES AND INSTRUCTIONS

This license, certificate, or registration is issued to the individual or business named on the front of this document and is **NOT TRANSFERABLE**. Notify the Board of changes to name (individual, business, and/or trade), mailing address, or location.

The privileges of this license, certificate, or registration are hereby granted to the individual or business to operate in accordance with the terms of the license, certificate, or registration herein designated and the applicable statutes of the Commonwealth of Virginia and the regulations of the Board.

The privileges conferred by this license, certificate, or registration shall continue until the expiration date. However, the license, certificate, or registration may be suspended or revoked prior to expiration.

Information about our agency, boards, and programs can be found at <http://www.dpor.virginia.gov>. Any questions relative to the issuance, privileges and maintenance of your license, certificate, or registration should be addressed to the Board.

THIS DOCUMENT AND POCKET CARD CONTAIN SECURITY FEATURES. ALTERATION OF THIS DOCUMENT OR A POCKET CARD, USE AFTER EXPIRATION, OR USE BY ANOTHER INDIVIDUAL OR BUSINESS MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

THIS DOCUMENT AND POCKET CARD CONTAIN SECURITY CARD FEATURES. ALTERATION OF THIS DOCUMENT OR POCKET CARD, USE AFTER EXPIRATION, OR USE BY ANOTHER INDIVIDUAL OR BUSINESS MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

08-31-2024

NUMBER

3333000004

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS ANALYTICAL LABORATORY LICENSE
PCM PLM



MARINE CHEMIST SERVICE INC
11850 TUG BOAT LANE
NEWPORT NEWS, VA 23606-0000



Donna J. Miller
Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)



COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS ANALYTICAL LABORATORY LICENSE

PCM PLM

NUMBER: 3333000004 EXPIRES: 08-31-2024

MARINE CHEMIST SERVICE INC
11850 TUG BOAT LANE
NEWPORT NEWS, VA 23606-0000



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)

LICENSE PRIVILEGES AND INSTRUCTIONS

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The privileges of this license, certificate, or registration are hereby granted to the individual or business to operate in accordance with the terms of the license, certificate, or registration herein designated and the applicable statutes of the Commonwealth of Virginia and the regulations of the Board.

The privileges conferred by this license, certificate, or registration shall continue until the expiration date. However, the license, certificate, or registration may be suspended or revoked prior to expiration.

Information about our agency, boards, and programs can be found at <http://www.dpor.virginia.gov>. Any questions relative to the issuance, privileges and maintenance of your license, certificate, or registration should be addressed to the Board.

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THIS DOCUMENT AND POCKET CARD
CONTAIN SECURITY CARD FEATURES.
ALTERATION OF THIS DOCUMENT
OR POCKET CARD, USE AFTER
EXPIRATION, OR USE BY ANOTHER
INDIVIDUAL OR BUSINESS MAY
RESULT IN CRIMINAL
PROSECUTION UNDER THE
CODE OF VIRGINIA.
Page 43 of 45
04/22/2024



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

Marine Chemist Service, Inc.

11850 Tug Boat Lane, Newport News, VA 23606

Laboratory ID: LAP-100551

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA LAP), LLC accreditation to the ISO/IEC 17025:2017 international standard, General Requirements for the Competence of Testing and Calibration Laboratories in the following:

LABORATORY ACCREDITATION PROGRAMS

<input checked="" type="checkbox"/>	INDUSTRIAL HYGIENE	Accreditation Expires: March 01, 2025
<input checked="" type="checkbox"/>	ENVIRONMENTAL LEAD	Accreditation Expires: March 01, 2025
<input checked="" type="checkbox"/>	ENVIRONMENTAL MICROBIOLOGY	Accreditation Expires: March 01, 2025
<input type="checkbox"/>	FOOD	Accreditation Expires:
<input type="checkbox"/>	UNIQUE SCOPES	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2017 and AIHA LAP, LLC requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Cheryl O Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision20: 06/07/2022

Date Issued: 03/01/2023



**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF GENERAL SERVICES
DIVISION OF CONSOLIDATED LABORATORY SERVICES**



Certifies that

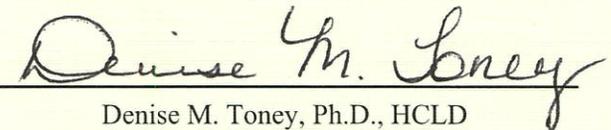
**VA Laboratory ID#: 460257
Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, VA 23606**

Owner: ROBERT WALKER JR.
Responsible Official: CHARLES G. WALKER

Having met the requirements of 1 VAC 30-46 and
having been found compliant with the 2016 TNI Standard approved by The NELAC Institute
is hereby approved as an
Accredited Environmental Laboratory

As more fully described in the attached Scope of Accreditation

Effective Date: **December 15, 2023**
Expiration Date: **December 14, 2024**
Certificate # 12711



Denise M. Toney, Ph.D., HCLD
DGS Deputy Director for Laboratories

Continued accreditation status depends on successful ongoing participation in the program.
Certificate to be conspicuously displayed at the laboratory.
Not valid unless accompanied by a valid Virginia Environmental Laboratory Accreditation Program (VELAP)
Scope of Accreditation.

Customers are urged to verify the laboratory's current accreditation status.

VIA Design Architects, PC-Asbestos Inspection Report

MCA JOB# 24-022S- 3400 34th Street
Certificate Not Transferable
Newport News VA

**LIMITED ASBESTOS INSPECTION REPORT
OF
34th STREET, APARTMENT 723
NEWPORT NEWS, VA
MCS JOB # 24-023S**



Marine Chemist Service, Inc.

11850 Tug Boat Lane, Newport News, VA 23606-2527

Phone: (757) 873-0933 · Norfolk (757) 640-1122

Fax: (757) 873-1074 · Norfolk (757) 625-5696

www.MarineChemist.com



Marine Chemist Service, Inc.

Limited Asbestos Inspection Report

of

**34th Street, Apartment 723
Newport News, VA**

on

February 27 , 2024

Prepared for:

**Scott Campbell
VIA Design Architects, PC
319 Plume Street
Norfolk, VA 23510**

By

**Eric Bresnan
Virginia Asbestos Inspector License 3303004885
Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
(757) 873-0933**

April 22, 2024

Date

Inspector Signature



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Marine Chemist Service, Inc.

SECTION 1

Asbestos Inspection Report



LIMITED ASBESTOS INSPECTION OF 34th STREET, APARTMENT 723 NEWPORT NEWS, VIRGINIA

INTRODUCTION

Background and Purpose

There has been a growing public awareness of the link between the inhalation of asbestos fibers and various diseases such as asbestosis, mesothelioma, lung, and other cancers. As a result, the Asbestos Hazard Emergency Response Act (AHERA 40 CFR Part 763) for schools grades K through 12 was established by EPA.

The necessary components of an AHERA inspection require the accredited inspector to visually inspect and assess the condition of all known or assumed friable asbestos containing building materials (ACBM); to visually inspect non - friable ACBM and touch it to determine friability, and to identify homogeneous areas of friable materials.

EPA's National Emission Standards for Hazardous Air Pollutants (NESHAPS) require thorough inspections for asbestos in structures before the renovation or demolition of those structures.

Virginia law requires that if the initial building permit was issued prior to January 1, 1985, an asbestos inspection must be performed prior to the local authorities issuing a building permit.

In order to comply with NESHAPS, buildings to be renovated or demolished must be thoroughly inspected for asbestos containing building materials. Marine Chemist Service, Inc. follows the AHERA sampling protocol for interior surveys and the Virginia standard for roof surveys.

The purpose of this survey was to provide information for this property concerning the location and type of accessible and/or visible asbestos containing materials prior to renovation.

In compliance with Virginia Regulations, Marine Chemist Service Inc. performed a limited asbestos inspection of 34th Street, Apartment 723, located in Newport News, VA on February 27, 2024.



General Information

Marine Chemist Service, Inc. was hired by Scott Campbell of VIA Design Architects on February 20, 2024, to conduct asbestos bulk sampling for suspect asbestos-containing building materials of 34th Street, Apartment 723, located in Newport News, VA.

Authorization

Authorization to perform this testing was provided in the form of a phone call notice to proceed by Scott Campbell of VIA Design Architects on February 20, 2024. The building was unoccupied at the time of the inspection.

Warranty

This visual inspection and laboratory report has been prepared in accordance with AHERA and Virginia requirements and current accepted professional practices. A minimum number of bulk asbestos samples were collected to determine the presence or absence of asbestos. This inspection has been performed to provide the client with information concerning the presence of accessible and/or exposed suspect asbestos containing building materials. Destructive testing was not performed. This inspection documents conditions at the time of the inspection only. No other warranties are implied or expressed.



SURVEY METHODS

Inspection Methods

The asbestos survey was performed by a Virginia licensed asbestos inspector. A visual walk through inspection was performed to identify suspect asbestos containing materials and homogeneous areas.

Sampling Methods

The Virginia licensed asbestos inspector sampled the identified suspect materials within the homogeneous areas following the visual inspection. Sampling was not performed on any inaccessible materials and did not involve destructive testing of building components. Sample locations were selected randomly.

LABORATORY METHODS

Analysis Methods

The bulk sample was first visually observed and described. The sample was mounted onto a slide, covered with dispersion staining oil and a cover slip, and observed under a polarized light microscope (PLM). The asbestos and non-asbestos materials in the sample are identified by this method.

The PLM microscopist estimates the amounts of asbestos and non-asbestos components by determining visually the relative volume of each to the total volume of the sample.



ASBESTOS INSPECTION

Document Review and On-Site Survey

Blueprints were not provided for the inspection. A sketch was generated to indicate sample/asbestos material locations.

Identification of Suspect Asbestos Containing Materials

A visual inspection was performed on the suspect asbestos containing material found in the survey areas. The suspect asbestos containing materials are as follows:

1. 12"x12" Gray Floortile
2. 12"x12" Tan Floortile
3. 12"x12" Beige Floortile
4. 12"x12" Brown Floortile
5. 12"x12" Tan with Brown Floortile
6. White Drywall and Plaster
7. White Texture Ceiling
8. White Door Caulking
9. White Window Caulking
10. HVAC Insulation
11. White Stucco
12. Gray Shingle and Tar
13. Concrete



Bulk Sampling

Bulk sampling was performed on all suspect asbestos-containing materials found in the areas and the minimum number of samples were taken as required in the AHERA Standards.

Bulk samples were taken penetrating all layers of the material. The samples were at least one cubic centimeter and were placed in a sealed container at the time of collection. All precautions were taken to prevent exposure to those present in or around the facility during the collection of samples. All sampling locations were patched with an encapsulant after the sampling was complete.

Samples listed below are grouped into homogeneous areas. Homogeneous areas are areas, which are uniform by color, texture, construction/application date, and general appearance.

Some sample results in the % asbestos column may be displayed in this report with a slash between two numbers, (#/#). The first number represents the first material listed under the material location/description and the second number represents the second material listed.

When N/A is placed in the friable category it means the sample tested negative - (0) or less than one percent - ($\leq 1\%$) for asbestos and the friable description does not apply.

Samples were analyzed utilizing Polarized Light Microscopy (PLM) with dispersion staining by a NVLAP accredited laboratory (Marine Chemist Service, Inc. NVLAP Lab Code 200628-0). The results are in section 5.



SECTION 2

Sample Summary Table

**Apartment
34th Street, Apartment 723
Newport News, VA 23607**

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
V234-1	0142389-001	Living Room South Center Floor, 12" Floor Tile Adhesive: Gray Floor Tile, Tan Mastic	0/0	N/A
V234-2	0142389-002	Kitchen East Center Floor, 12" Floor Tile Adhesive: Gray Floor Tile, Tan Mastic	0/0	N/A
V234-3	0142389-003	Bedroom Center Floor, 12" Floor Tile Adhesive: Gray Floor Tile, Tan Mastic	0/0	N/A
V234-4	0142389-004	Bathroom Center Floor Patch 12" Floor Tile Adhesive Patch: Beige Floor Tile, Tan Mastic	0/0	N/A
V234-5	0142389-005	Living Room in Front of HVAC Closet, 12" Floor Tile Adhesive Patch: Beige Floor Tile, Tan Mastic	0/0	N/A
V234-6	0142389-006	Living Room in Front of HVAC Closet, 12" Floor Tile Adhesive Patch: Brown Floor Tile, Tan Mastic	0/0	N/A
V234-7	0142389-007	Living Room in Front of HVAC Closet, 12" Floor Tile Adhesive Patch: Tan/Brown Floor Tile, Tan Mastic	0/0	N/A
V234-8	0142389-008	Living Room Southwest Corner Wall, Drywall, Plaster: White Surface Material, White/Tan Drywall, White Plaster Skim Coat, Gray Plaster Base Coat	0/0/0/0	N/A
V234-9	0142389-009	Living Room Northeast Corner Wall, Drywall, Plaster: White Surface Material, White/Tan Drywall, Tan Mastic, White Plaster Skim Coat, Gray Plaster Base Coat	0/0/0/0/0	N/A
V234-10	0142389-010	Bedroom Southwest Corner Wall, Drywall, Plaster: White Surface Material, White/Tan Drywall, White Plaster Skim Coat, Gray Plaster Base Coat	0/0/0/0	N/A
V234-11	0142389-011	Living Room Northwest Ceiling, Textured Ceiling: White Surface Material, Gray Cementitious Material	0/0	N/A
V234-12	0142389-012	Kitchen Center Ceiling, Textured Ceiling: White Surface Material, Gray Cementitious Material	0/0	N/A
V234-13	0142389-013	Bedroom Center Ceiling, Textured Ceiling: White Surface Material, Off-White Surface Material, Gray Cementitious Material	0/0/0	N/A
V234-14	0142389-014	Living Room West Door, Caulk: White Caulking	0	N/A
V234-15	0142389-015	Bedroom East Door, Caulk: White Caulking	0	N/A
V234-16	0142389-016	Kitchen East Window, Caulk: White Caulking	0	N/A
V234-17	0142389-017	Bedroom West Window, Caulk: White Caulking	0	N/A
V234-18	0142389-018	Living Room HVAC Closet, HVAC Insulation: Tan/Yellow Insulation	0	N/A
V234-19	0142389-019	Bedroom East Closet HVAC Insulation: Pink/Silver Insulation	0	N/A

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
V234-20	0142389-020	Bathroom, Small Window, Caulking: White Caulking, White Foam	0/0	N/A
V234-21	0142389-021	Bathroom Window, Small Window, Caulking: White Caulking, White Foam	0/0	N/A
V234-22	0142389-022	Exterior South, Stucco: White Stucco	0	N/A
V234-23	0142389-023	Exterior East, Stucco: White Stucco, Gray Stucco	0/0	N/A
V234-24	0142389-024	Exterior West, Stucco: White Stucco, Gray Stucco	0/0	N/A
V234-25	0142389-025	Exterior South, Shingle, Tar: Gray Shingle, Black Tar, Black Felt Paper	0/0/0	N/A
V234-26	0142389-026	Exterior East, Shingle, Tar: Gray Shingle, Black Tar, Gray/Red Shingle	0/0/0	N/A
V234-27	0142389-027	Exterior West, Shingle, Tar: Gray Shingle, Black Tar, Black Felt Paper	0/0/0	N/A
V234-28	0142389-028	Exterior East, Concrete: Gray Concrete	0	N/A
V234-29	0142389-029	Exterior West, Concrete: Gray Concrete	0	N/A



Comments

1. None of the sampled materials tested positive for asbestos.
2. When any layer of flooring tests positive for asbestos (floor tile, linoleum, or adhesive/mastic), all adhered layers are considered as 1 homogeneous material that cannot be separated and must be removed as one material during abatement removal operations.
3. Asbestos might be found within walls, ceiling and or pipe chases during the renovation or demolition of the building. If any suspect materials are found, they should treated as asbestos or tested for asbestos.



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SECTION 3 General Legend and Notes

GENERAL LEGEND

O - Sample number/location - non-asbestos

△ - Sample number/location - contains asbestos

GENERAL NOTES

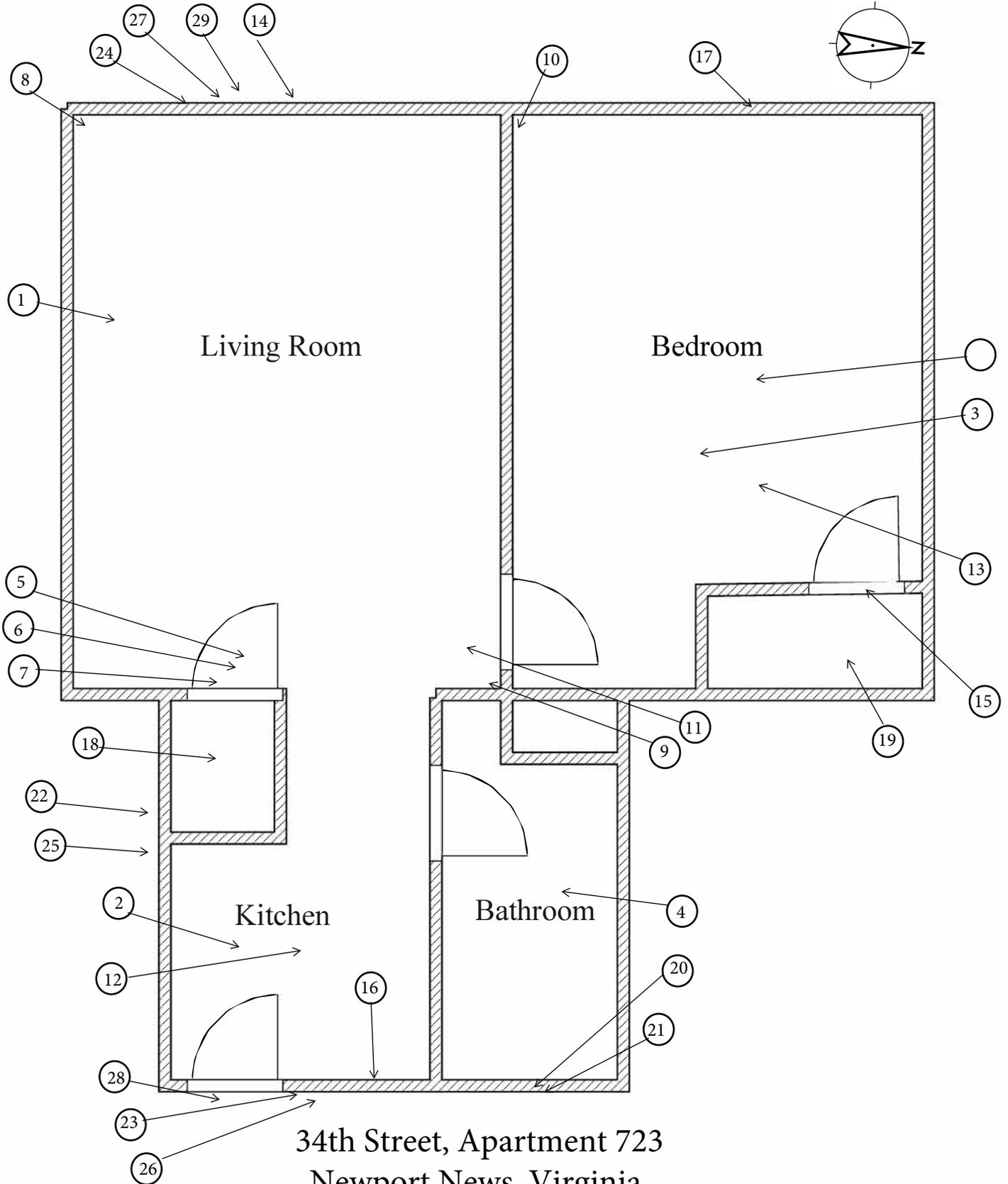
1. The EPA definition of a friable material is one that contains more than 1% asbestos by weight and can be crumbled, pulverized or reduced to a powder by hand pressure when dry, or which under normal use or maintenance emits or can be expected to emit asbestos fibers into the air.
2. All quantities are approximate.
3. Sketches are not to scale.



Marine Chemist Service, Inc.

SECTION 4

Survey Sample Location Sketches





Marine Chemist Service, Inc.

SECTION 5 Reports of Analysis



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 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142389
Report Date: 03/27/2024
MCS Job No.: 24-023S
Customer PO No.:

Date Sampled: 02/27/2024
Sampled By: Eric Bresnan
Job Location: 34th Street Apt. 723

Date Received: 02/27/2024
Received By: BL
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142389-001 V234 -1	Living Room South Center Floor, 12" FTA Floor Tile, Gray	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Tan	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142389-002 V234 -2	Kitchen East Center Floor, 12" FTA Floor Tile, Gray	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Tan	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142389-003 V234 -3	Bedroom Center Floor, 12" FTA Floor Tile, Gray	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Tan	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142389-004 V234 -4	Bathroom Center Floor Patch, 12" FTA Patch					
	Floor Tile, Tan	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Tan	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142389-005 V234 -5	Living Room in Front of HVAC Closet, 12" FTA Patch					
	Floor Tile, Beige	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Tan	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142389-006 V234 -6	Living Room in Front of HVAC Closet, 12" FTA Patch					
	Floor Tile, Brown	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Tan	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142389-007 V234 -7	Living Room in Front of HVAC Closet, 12" FTA Patch					
	Floor Tile, Tan, Brown	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Tan	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142389-008 V234 -8	Living Room Southwest Corner Wall, Drywall, Plaster					
	Surface Material, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Drywall, White, Tan	LAYER 2	None Detected		Cellulose Fiber	20%
					Non-Fibrous Material	80%
	Plaster Skim Coat, White	LAYER 3	None Detected		Non-Fibrous Material	100%
Plaster Base Coat, Gray	LAYER 4	None Detected		Cellulose Fiber	<1%	
				Non-Fibrous Material	100%	
Asbestos Present: No						



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Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333.000004</u> Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142389-009 V234 -9	Living Room Northeast Corner Wall, Drywall, Plaster Surface Material, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Drywall, White, Tan	LAYER 2	None Detected		Cellulose Fiber Non-Fibrous Material	20% 80%
	Mastic, Tan	LAYER 3	None Detected		Non-Fibrous Material	100%
	Plaster Skim Coat, White	LAYER 4	None Detected		Non-Fibrous Material	100%
	Plaster Base Coat, Gray	LAYER 5	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%

Asbestos Present: No



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MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142389-010 V234 -10	Bedroom Southwest Corner Wall, Drywall, Plaster Surface Material, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Drywall, White, Tan	LAYER 2	None Detected		Cellulose Fiber Non-Fibrous Material	20% 80%
	Plaster Skim Coat, White	LAYER 3	None Detected		Non-Fibrous Material	100%
	Plaster Base Coat, Gray	LAYER 4	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
Asbestos Present: No						
0142389-011 V234 -11	Living Room Northwest Ceiling, Textured Ceiling Surface Material, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Cementitious Material, Gray	LAYER 2	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
Asbestos Present: No						



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Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142389-012 V234 -12	Kitchen Center Ceiling, Textured Ceiling Surface Material, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Cementitious Material, Gray	LAYER 2	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
Asbestos Present: No						
0142389-013 V234 -13	Bedroom Center Ceiling, Textured Ceiling Surface Material, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Surface Material, Off-white	LAYER 2	None Detected		Non-Fibrous Material	100%
	Cementitious Material, Gray	LAYER 3	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
Asbestos Present: No						
0142389-014 V234 -14	Living Room West Door, Caulk Caulking, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



Marine Chemist Service, Inc.
 11850 TUG BOAT LANE
 NEWPORT NEWS, VA 23606-2527
 TEL: (757) 873-0933 · NORFOLK (757) 640-1122
 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142389
Report Date: 03/27/2024
MCS Job No.: 24-023S
Customer PO No.:

Date Sampled: 02/27/2024
Sampled By: Eric Bresnan
Job Location: 34th Street Apt. 723

Date Received: 02/27/2024
Received By: BL
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142389-015 V234 -15	Bedroom East Door, Caulk Caulking, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142389-016 V234 -16	Kitchen East Window, Caulk Caulking, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142389-017 V234 -17	Bedroom West Window, Caulk Caulking, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142389-018 V234 -18	Living Room HVAC Closet, HVAC Insulation Insulation, Tan, Yellow	LAYER 1	None Detected		Fibrous Glass Cellulose Fiber Non-Fibrous Material	70% 15% 15%
Asbestos Present: No						



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www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

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VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142389
Report Date: 03/27/2024
MCS Job No.: 24-023S
Customer PO No.:

Date Sampled: 02/27/2024
Sampled By: Eric Bresnan
Job Location: 34th Street Apt. 723

Date Received: 02/27/2024
Received By: BL
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142389-019 V234 -19	Bedroom East Closet, HVAC Insulation Insulation, Pink, Silver	LAYER 1	None Detected		Fibrous Glass Non-Fibrous Material	85% 15%
Asbestos Present: No						
0142389-020 V234 -20	Bathroom, Small Window, Caulking Caulking, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Foam, White	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142389-021 V234 -21	Bathroom Window, Small Window, Caulking Caulking, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Foam, White	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
Virginia Certification	NVLAP VELAP TNI	Asbestos Bulk: PLM <u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water <u>License No.: 3333 000004</u>
Virginia Laboratory	DGS - DPOR	Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142389
Report Date: 03/27/2024
MCS Job No.: 24-023S
Customer PO No.:

Date Sampled: 02/27/2024
Sampled By: Eric Bresnan
Job Location: 34th Street Apt. 723

Date Received: 02/27/2024
Received By: BL
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142389-022 V234 -22	Exterior South, Stucco Stucco, White	LAYER 1	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
Asbestos Present: No						
0142389-023 V234 -23	Exterior East, Stucco Stucco, White	LAYER 1	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
	Stucco, Gray	LAYER 2	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
Asbestos Present: No						
0142389-024 V234 -24	Exterior West, Stucco Stucco, White	LAYER 1	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
	Stucco, Gray	LAYER 2	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
Asbestos Present: No						



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Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
Virginia Certification	NVLAP VELAP TNI	Asbestos Bulk: PLM <u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water <u>License No.: 3333 000004</u> Asbestos: PLM & PCM
Virginia Laboratory	DGS - DPOR	

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142389
Report Date: 03/27/2024
MCS Job No.: 24-023S
Customer PO No.:

Date Sampled: 02/27/2024
Sampled By: Eric Bresnan
Job Location: 34th Street Apt. 723

Date Received: 02/27/2024
Received By: BL
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142389-025 V234 -25	Exterior South, Shingle, Tar	LAYER 1	None Detected		Fibrous Glass	50%
	Shingle, Gray				Non-Fibrous Material	50%
	Tar, Black				Cellulose Fiber	<1%
		LAYER 2	None Detected		Non-Fibrous Material	100%
	Felt Paper, Black	LAYER 3	None Detected		Cellulose Fiber	60%
					Non-Fibrous Material	40%
Asbestos Present: No						
0142389-026 V234 -26	Exterior East, Shingle, Tar	LAYER 1	None Detected		Fibrous Glass	50%
	Shingle, Gray				Non-Fibrous Material	50%
	Tar, Black				Cellulose Fiber	<1%
		LAYER 2	None Detected		Non-Fibrous Material	100%
	Shingle, Gray, Red	LAYER 3	None Detected		Fibrous Glass	50%
					Non-Fibrous Material	50%
Asbestos Present: No						



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142389
Report Date: 03/27/2024
MCS Job No.: 24-023S
Customer PO No.:

Date Sampled: 02/27/2024
Sampled By: Eric Bresnan
Job Location: 34th Street Apt. 723

Date Received: 02/27/2024
Received By: BL
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142389-027 V234 -27	Exterior West, Shingle, Tar Shingle, Gray	LAYER 1	None Detected		Fibrous Glass Non-Fibrous Material	50% 50%
	Tar, Black	LAYER 2	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
	Felt Paper, Black	LAYER 3	None Detected		Cellulose Fiber Non-Fibrous Material	60% 40%
Asbestos Present: No						
0142389-028 V234 -28	Exterior East, Concrete Concrete, Gray	LAYER 1	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
Asbestos Present: No						
0142389-029 V234 -29	Exterior West, Concrete Concrete, Gray	LAYER 1	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
Asbestos Present: No						

Analysis performed at Eurofins CEI, Inc. Cary, NC (NVLAP Lab ID: 101768-0). Lab Code B245452.



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
Virginia Certification	NVLAP VELAP TNI	Asbestos Bulk: PLM <u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142389
Report Date: 03/27/2024
MCS Job No.: 24-023S
Customer PO No.:

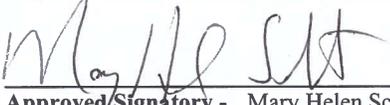
Date Sampled: 02/27/2024
Sampled By: Eric Bresnan
Job Location: 34th Street Apt. 723

Date Received: 02/27/2024
Received By: BL
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
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 Approved/Signatory - Mary Helen Scott
 Laboratory Supervisor

- Method Detection Limit: = <1%
- * Fiber concentrations were determined by visually estimating the area percentage for each type.
 - * Asbestos fibers may not be detected by PLM in certain samples because of their size (<5um) or being bound with non-friable organic matrix. In such cases an alternative method of analysis may be necessary.
 - * Analyzed only readily discernable layers.
 - * All laboratory test results meet the applicable quality control requirements unless otherwise mentioned.
 - * MCS, Inc. can not attest to nor be held responsible for the proper collection of samples and/or accuracy of the sample information provided by customers for samples not collected by MCS, Inc.
 - * Test report relates only to the items tested.
 - * The samples will be stored at the MCS, Inc. laboratory for a period of thirty days after the analysis. At the end of the period, it will be our policy to dispose of the samples unless prior arrangements have been made for a longer storage period.
 - * This report shall not be reproduced, except in full, without the written approval of this laboratory.
 - * The Report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government.
 - * The Report includes Chain of Custody.



Marine Chemist Service, Inc.

11850 Tug Boat Lane • Newport News, VA 23606
(757) 873-0933 • (757) 873-1074 (fax)

www.MarineChemist.com

Customer: VIA Design LLC

Address: 319 Plume Street, Norfolk VA 23610

Contact: Scott Campbell

Phone: (757) 373-7161 Fax:

Email: Scampbell@via Design Architects.com

MCS Job #: 24-0235 Customer PO:

Job Location: 34th Street Apt 723

BULK Chain of Custody Form

(use separate form for each matrix)

Requested Turnaround Time (markup)

- Building Material
Paint
Soil
Other

- Same Day (100%)
1-Day (75%)
2-Day (50%)
3-Day (25%)
4-Day (12.5%)
5-Day (standard)

RESULTS DUE BY:

ANALYSIS: PLM

MCS Use Only

Project Manager

Special Instructions

DO NOT MAIL Give Report To:

MCS Lab Report No. 0142389

Samples Acceptable to Lab Yes No By

Date If "No" Reason

Table with 4 columns: Field ID, Sample Location, Sample Description, MCS Sample No. Contains 20 rows of sample data.

Eric Brasnan
Sampled by (Print)

E. Brennan
Signature

02-27-24
Date/Time

OFFICE USE ONLY:

Mailed Billing

Eric Brasnan
Transported by (Print)

E. Brennan
Signature

02-27-24
Date/Time

Verbal

Faxed

Copied

BLARATI LAKSHMI
Received by (Print)

Signature

02/28/24
Date/Time

Emailed

(date and initial above areas)



Marine Chemist Service, Inc.

11850 Tug Boat Lane • Newport News, VA 23606

(757) 873-0933 • (757) 873-1074 (fax)

www.MarineChemist.com

Customer: VIA Design LLC

Address: 319 Plum Street, Norfolk VA 23510

Contact: Scott Campbell

Phone: (757) 373-7151 Fax:

Email: Scampbell@via Design Architects.com

MCS Job #: 24-0235 Customer PO:

Job Location: 34th Street Apt 723

BULK Chain of Custody Form

(use separate form for each matrix)

Requested Turnaround Time (markup)

- Building Material
Paint
Soil
Other

- Same Day (100%)
1-Day (75%)
2-Day (50%)
3-Day (25%)
4-Day (12.5%)
5-Day (standard)

RESULTS DUE BY:

ANALYSIS: PLM

MCS Use Only

Project Manager

Special Instructions

DO NOT MAIL Give Report To:

MCS Lab Report No.

Samples Acceptable to Lab Yes No By

Date If "No" Reason

Table with 4 columns: Field ID, Sample Location, Sample Description, MCS Sample No. Contains handwritten entries for samples V234-21 through V234-29.

Eric Bresnan
Sampled by (Print)

Signature
Eric Bresnan

02-27-24
Date/Time

OFFICE USE ONLY:
Mailed Billing

Eric Bresnan
Transported by (Print)

Signature
Eric Bresnan

02-27-24
Date/Time

Verbal

Signature
Received by (Print)

Signature

02-27-2024 14:54
Date/Time Emailed

Faxed

Copied

(date and initial above areas)



Marine Chemist Service, Inc.

SECTION 6 Inspection Information



Marine Chemist Service, Inc.

Inspection Information

The survey contractor for the inspection of 34th Street, Apartment 723, Newport News VA is:

**Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
www.MarineChemist.com**

The team leader responsible for quality control coordination of inspection and adherence to inspection protocol is:

**Patrick Studley - CIH
Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
PStudley@MarineChemist.com**

The AIHA and NVLAP Accredited laboratory selected to analyze the bulk samples for asbestos content by PLM, using the "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (Appendix A to Subpart F in 40 CFR Part 763) is:

**Marine Chemist Service, Inc.
Virginia Asbestos Analytical Laboratory License 3333 000004
11850 Tug Boat Lane
Newport News, Virginia 23606
(757) 873-0933**

The inspector who physically inspected the building and who have received EPA-Approved Training is:

**Eric Bresnan
Virginia Asbestos Inspector License 3303 04885
EBresnan@MarineChemist.com**

The Industrial Hygiene Inspector is employed by:

**Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606**



Marine Chemist Service, Inc.

SECTION 7 Credentials

The Board for Global EHS Credentialing (BGC)

through its vested authority, hereby confirms that

Patrick Gene Studley

has met all requirements of education, experience, and examination, and on-going maintenance set forth through the BGC's American Board of Industrial Hygiene® (ABIH®) credentialing division for re-certification in the Comprehensive Practice of Industrial Hygiene and is thereby conferred the credential of

Certified Industrial Hygienist® (CIH®)

The aforementioned individual is given all rights, privileges, and responsibilities as both a diplomate of the BGC and holder of the CIH credential, provided that the credential is not suspended or revoked, and it is renewed annually. Moreover, the holder must meet all recertification requirements, including the obligation to practice ethically as prescribed by the BGC.



Credential Number: 11321 CP
Award Date: May 31, 2017
Expiration Date: December 1, 2027

Thomas G. Grumbles, CIH, CPPS, FAIHA
Chair of the Board of Directors



Ulric K. Chung, MCS, PhD
Chief Executive Officer and Secretary

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON
05-31-2024

NUMBER
3303004885

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE



ERIC BRESNAN
11850 TUG BOAT LN
NEWPORT NEWS, VA 23606



Dominic J. Meis
Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

(DETACH HERE)

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE
NUMBER: 3303004885 EXPIRES: 05-31-2024

ERIC BRESNAN
11850 TUG BOAT LN
NEWPORT NEWS, VA 23606



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Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)

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The privileges of this license, certificate, or registration are hereby granted to the individual or business to operate in accordance with the terms of the license, certificate, or registration herein designated and the applicable statutes of the Commonwealth of Virginia and the regulations of the Board.

The privileges conferred by this license, certificate, or registration shall continue until the expiration date. However, the license, certificate, or registration may be suspended or revoked prior to expiration.

Information about our agency, boards, and programs can be found at <http://www.dpor.virginia.gov>. Any questions relative to the issuance, privileges and maintenance of your license, certificate, or registration should be addressed to the Board.

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COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

08-31-2024

NUMBER

3333000004

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS ANALYTICAL LABORATORY LICENSE
PCM PLM



MARINE CHEMIST SERVICE INC
11850 TUG BOAT LANE
NEWPORT NEWS, VA 23606-0000



Donna J. Miller
Director

Status can be verified at <http://www.dpor.virginia.gov>

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DPOR-LIC (02/2017)

(DETACH HERE)



COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS ANALYTICAL LABORATORY LICENSE

PCM PLM

NUMBER: 3333000004 EXPIRES: 08-31-2024

MARINE CHEMIST SERVICE INC
11850 TUG BOAT LANE
NEWPORT NEWS, VA 23606-0000



(FOLD)

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DPOR-PC (02/2017)

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INDIVIDUAL OR BUSINESS MAY
RESULT IN CRIMINAL
PROSECUTION UNDER THE
CODE OF VIRGINIA.
04/22/2024



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

Marine Chemist Service, Inc.

11850 Tug Boat Lane, Newport News, VA 23606

Laboratory ID: LAP-100551

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA LAP), LLC accreditation to the ISO/IEC 17025:2017 international standard, General Requirements for the Competence of Testing and Calibration Laboratories in the following:

LABORATORY ACCREDITATION PROGRAMS

<input checked="" type="checkbox"/>	INDUSTRIAL HYGIENE	Accreditation Expires: March 01, 2025
<input checked="" type="checkbox"/>	ENVIRONMENTAL LEAD	Accreditation Expires: March 01, 2025
<input checked="" type="checkbox"/>	ENVIRONMENTAL MICROBIOLOGY	Accreditation Expires: March 01, 2025
<input type="checkbox"/>	FOOD	Accreditation Expires:
<input type="checkbox"/>	UNIQUE SCOPES	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2017 and AIHA LAP, LLC requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Cheryl O Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision20: 06/07/2022

Date Issued: 03/01/2023



**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF GENERAL SERVICES
DIVISION OF CONSOLIDATED LABORATORY SERVICES**

Certifies that

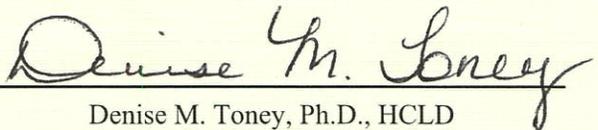
**VA Laboratory ID#: 460257
Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, VA 23606**

Owner: ROBERT WALKER JR.
Responsible Official: CHARLES G. WALKER

Having met the requirements of 1 VAC 30-46 and
having been found compliant with the 2016 TNI Standard approved by The NELAC Institute
is hereby approved as an
Accredited Environmental Laboratory

As more fully described in the attached Scope of Accreditation

Effective Date: **December 15, 2023**
Expiration Date: **December 14, 2024**
Certificate # 12711



Denise M. Toney, Ph.D., HCLD
DGS Deputy Director for Laboratories

Continued accreditation status depends on successful ongoing participation in the program.
Certificate to be conspicuously displayed at the laboratory.
Not valid unless accompanied by a valid Virginia Environmental Laboratory Accreditation Program (VELAP)
Scope of Accreditation.

Customers are urged to verify the laboratory's current accreditation status.

VIA-Design Architects,PC- Asbestos Inspection Report
MCS, JOB#24-023S- 34th Street, Apartment 723
Certificate Not Transferable
Newport News VA

**LIMITED ASBESTOS INSPECTION REPORT
OF
36th STREET, APARTMENT 714
NEWPORT NEWS, VA
MCS JOB # 24-024S**



Marine Chemist Service, Inc.

11850 Tug Boat Lane, Newport News, VA 23606-2527

Phone: (757) 873-0933 · Norfolk (757) 640-1122

Fax: (757) 873-1074 · Norfolk (757) 625-5696

www.MarineChemist.com



Marine Chemist Service, Inc.

Limited Asbestos Inspection Report

of

**36th Street, Apartment 714
Newport News, VA**

on

February 21, 2024

Prepared for:

**Scott Campbell
VIA Design Architects, PC
319 Plume Street
Norfolk, VA 23510**

By

**Eric Bresnan
Virginia Asbestos Inspector License 3303004885
Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
(757) 873-0933**

April 22, 2024

Date

Inspector Signature



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Marine Chemist Service, Inc.

SECTION 1

Asbestos Inspection Report



LIMITED ASBESTOS INSPECTION OF 36th STREET, APARTMENT 714 NEWPORT NEWS, VIRGINIA

INTRODUCTION

Background and Purpose

There has been a growing public awareness of the link between the inhalation of asbestos fibers and various diseases such as asbestosis, mesothelioma, lung, and other cancers. As a result, the Asbestos Hazard Emergency Response Act (AHERA 40 CFR Part 763) for schools grades K through 12 was established by EPA.

The necessary components of an AHERA inspection require the accredited inspector to visually inspect and assess the condition of all known or assumed friable asbestos containing building materials (ACBM); to visually inspect non - friable ACBM and touch it to determine friability, and to identify homogeneous areas of friable materials.

EPA's National Emission Standards for Hazardous Air Pollutants (NESHAPS) require thorough inspections for asbestos in structures before the renovation or demolition of those structures.

Virginia law requires that if the initial building permit was issued prior to January 1, 1985, an asbestos inspection must be performed prior to the local authorities issuing a building permit.

In order to comply with NESHAPS, buildings to be renovated or demolished must be thoroughly inspected for asbestos containing building materials. Marine Chemist Service, Inc. follows the AHERA sampling protocol for interior surveys and the Virginia standard for roof surveys.

The purpose of this survey was to provide information for this property concerning the location and type of accessible and/or visible asbestos containing materials prior to renovation.

In compliance with Virginia Regulations, Marine Chemist Service Inc. performed a limited asbestos inspection of 36th Street, Apartment 714, located in Newport News, VA on February 21, 2024.



General Information

Marine Chemist Service, Inc. was hired by Scott Campbell of VIA Design Architects on February 20, 2024, to conduct asbestos bulk sampling for suspect asbestos-containing building materials of 36th Street, Apartment 714, located in Newport News, VA.

Authorization

Authorization to perform this testing was provided in the form of a phone call notice to proceed by Scott Campbell of VIA Design Architects on February 20, 2024. The building was unoccupied at the time of the inspection.

Warranty

This visual inspection and laboratory report has been prepared in accordance with AHERA and Virginia requirements and current accepted professional practices. A minimum number of bulk asbestos samples were collected to determine the presence or absence of asbestos. This inspection has been performed to provide the client with information concerning the presence of accessible and/or exposed suspect asbestos containing building materials. Destructive testing was not performed. This inspection documents conditions at the time of the inspection only. No other warranties are implied or expressed.



SURVEY METHODS

Inspection Methods

The asbestos survey was performed by a Virginia licensed asbestos inspector. A visual walk through inspection was performed to identify suspect asbestos containing materials and homogeneous areas.

Sampling Methods

The Virginia licensed asbestos inspector sampled the identified suspect materials within the homogeneous areas following the visual inspection. Sampling was not performed on any inaccessible materials and did not involve destructive testing of building components. Sample locations were selected randomly.

LABORATORY METHODS

Analysis Methods

The bulk sample was first visually observed and described. The sample was mounted onto a slide, covered with dispersion staining oil and a cover slip, and observed under a polarized light microscope (PLM). The asbestos and non-asbestos materials in the sample are identified by this method.

The PLM microscopist estimates the amounts of asbestos and non-asbestos components by determining visually the relative volume of each to the total volume of the sample.



ASBESTOS INSPECTION

Document Review and On-Site Survey

Blueprints were not provided for the inspection. A sketch was generated to indicate sample/asbestos material locations.

Identification of Suspect Asbestos Containing Materials

A visual inspection was performed on the suspect asbestos containing material found in the survey areas. The suspect asbestos containing materials are as follows:

1. White Textured Stucco
2. Red Brick and Mortar
3. Concrete
4. Gray Shingle and Tar
5. Brown Shingle and Tar
6. 12"x12" Gray Floortile
7. 12"x12" Beige Floortile
8. 12"x12" Brown Floortile
9. 12"x12" Tan Floortile
10. White Door Caulking
11. White Window Caulking
12. White Texture Ceiling
13. White Drywall
14. White Sink Caulking
15. HVAC Yellow Insulation



Bulk Sampling

Bulk sampling was performed on all suspect asbestos-containing materials found in the areas and the minimum number of samples were taken as required in the AHERA Standards.

Bulk samples were taken penetrating all layers of the material. The samples were at least one cubic centimeter and were placed in a sealed container at the time of collection. All precautions were taken to prevent exposure to those present in or around the facility during the collection of samples. All sampling locations were patched with an encapsulant after the sampling was complete.

Samples listed below are grouped into homogeneous areas. Homogeneous areas are areas, which are uniform by color, texture, construction/application date, and general appearance.

Some sample results in the % asbestos column may be displayed in this report with a slash between two numbers, (#/#). The first number represents the first material listed under the material location/description and the second number represents the second material listed.

When N/A is placed in the friable category it means the sample tested negative - (0) or less than one percent - ($\leq 1\%$) for asbestos and the friable description does not apply.

Samples were analyzed utilizing Polarized Light Microscopy (PLM) with dispersion staining by a NVLAP accredited laboratory (Marine Chemist Service, Inc. NVLAP Lab Code 200628-0). The results are in section 5.



SECTION 2

Sample Summary Table

**Apartment 714
36th Street
Newport News, VA 23607**

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
V146-1	0142342-001	Exterior West, Texture Stucco: Beige Cementitious Material	0	N/A
V146-2	0142342-002	Exterior South, Texture Stucco: Beige Cementitious Material, Gray Cementitious Material	0/0	N/A
V146-3	0142342-003	Exterior East, Texture Stucco: Beige/Gray Cementitious Material	0	N/A
V146-4	0142342-004	Exterior Top, Red Brick, Mortar: Red Paint Beige Cementitious Material, Beige Cementitious Material	0/0	N/A
V146-5	0142342-005	Exterior Middle, Red Brick, Mortar: Red Cementitious Material Beige Paint, Beige Cementitious Material	0/0	N/A
V146-6	0142342-006	Exterior Bottom, Red Brick, Mortar: Red Cementitious Material Beige Paint, Beige Cementitious Material, Mastic-Like Material	0/0/0	N/A
V146-7	0142342-007	Exterior West, Concrete: Gray Cementitious Material	0	N/A
V146-8	0142342-008	Exterior East, Concrete: Gray Cementitious Material	0	N/A
V146-9	0142342-009	Exterior Northeast Corner, Shingle, Tar: Black Tar, Brown/Gray Aggregate	0	N/A
V146-10	0142342-010	Exterior Southeast Corner, Shingle, Tar: Black Tar, Brown/Gray Aggregate	0	N/A
V146-11	0142342-011	Exterior West, Shingle, Tar: Black Tar Brown/Gray Aggregate	0	N/A
V146-12	0142342-012	Exterior Patch West, Shingle, Tar: Black Tar, Brown/Black Aggregate	0	N/A
V146-13	0142342-013	1st Floor Living Room Stairs, Floor Tile Aggregate: Gray Floor Tile, Beige Mastic	0/0	N/A
V146-14	0142342-014	1st Floor Living Room Stairs, Floor Tile Aggregate: Gray Floor Tile, Beige Mastic	0/0	N/A
V146-15	0142342-015	1st Floor Living Room Center, Floor Tile Aggregate: Gray Floor Tile, Beige Mastic	0/0	N/A
V146-16	0142342-016	1st Floor Patch Living Room Center, Floor Tile Aggregate: Gray Floor Tile, Beige Mastic	0/0	N/A
V146-17	0142342-017	1st Floor Patch Living Room Center, Floor Tile Aggregate: Beige Floor Tile, Beige Mastic	0/0	N/A
V146-18	0142342-018	1st Floor Patch Kitchen North, Floor Tile Aggregate: Beige Floor Tile, Beige Mastic	0/0	N/A
V146-19	0142342-019	1st Floor Living Room Closet, Door Caulk: Beige Caulk and Paint, Brown Paper	0/0	N/A
V146-20	0142342-020	1st Floor Kitchen Room Closet, Door Caulk: Beige Caulk and Paint, Brown Wood, White Wall Material	0/0/0	N/A

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
V146-21	0142342-021	1st Floor East Window, Caulk: Beige Caulk and Paint	0	N/A
V146-22	0142342-022	1st Floor West Window, Caulk: Beige Caulk and White Paint	0	N/A
V146-23	0142342-023	1st Floor Kitchen, Texture Ceiling: White Ceiling Material and Green/Beige Paint	0	N/A
V146-24	0142342-024	1st Floor Living Room South, Texture Ceiling: White Ceiling Material, Green/Beige Paint	0	N/A
V146-25	0142342-025	1st Floor Living Room North, Texture Ceiling: White Ceiling Material, Green/Beige Paint	0	N/A
V146-26	0142342-026	1st Floor Living Room North, Drywall: White Plaster and Green/Beige Paint, Gray Scratch Coat, White Joint Compound, Brown Paper, Gray Drywall	0/0/0/0/0	N/A
V146-27	0142342-027	1st Floor Kitchen North, Drywall: White Plaster and Green/Beige Paint, Gray Scratch Coat, White Joint Compound and Beige Paint, Brown Paper, Gray Drywall	0/0/0/0/0	N/A
V146-28	0142342-028	1st Floor Kitchen South, Drywall: White Plaster and Green/Beige Paint, Gray Scratch Coat, White Joint Compound and Beige Paint, Brown Paper, Brown Drywall	0/0/0/0/0	N/A
V146-29	0142342-029	2nd Floor Top Stairwell, Floor Tile Aggregate: Gray Floor Tile, Beige Mastic	0/0	N/A
V146-30	0142342-030	2nd Floor Center Bedroom 1, Floor Tile Aggregate: Gray Floor Tile, Beige Mastic	0/0	N/A
V146-31	0142342-031	3rd Floor Center Bedroom 2, Floor Tile Aggregate: Gray Floor Tile, Beige Mastic	0/0	N/A
V146-32	0142342-032	2nd Floor Bathroom, Floor Tile Aggregate: Beige Floor Tile, Beige Mastic	0/0	N/A
V146-33	0142342-033	2nd Floor Bathroom, Floor Tile Aggregate: Beige Floor Tile, Beige Mastic	0/0	N/A
V146-34	0142342-034	3rd Floor Bathroom, Floor Tile Aggregate: Beige Floor Tile, Beige Mastic	0/0	N/A
V146-35	0142342-035	2nd Floor West Wall Bedroom 1, Drywall: White Joint Compound, Beige Paint, Brown Paper, Gray Drywall	0/0/0	N/A
V146-36	0142342-036	2nd Floor Northeast Wall Bedroom 2, Drywall: White Joint Compound and Beige Paint, Brown Paper, Gray Drywall	0/0/0	N/A
V146-37	0142342-037	2nd Floor South West Wall Bedroom 2, Drywall: White Plaster and Beige Paint, Gray Scratch Coat, White Joint Compound, Brown Paper, Gray Drywall	0/0/0/0/0	N/A
V146-38	0142342-038	2nd Floor Top Stairwell South Ceiling, Texture Ceiling: Beige Ceiling Material and Paint	0	N/A

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
V146-39	0142342-039	2nd Floor Bedroom 1 North Ceiling, Texture Ceiling: Beige Ceiling Material and Beige/Blue Paint	0	N/A
V146-40	0142342-040	2nd Floor Bedroom 2 Center Ceiling, Texture Ceiling: Beige Ceiling Material Paint	0	N/A
V146-41	0142342-041	2nd Floor Bedroom 1 East Window, Caulk: Beige Caulking	0	N/A
V146-42	0142342-042	2nd Floor Bedroom 2 West Window, Caulk: Beige Caulk	0	N/A
V146-43	0142342-043	2nd Floor Bedroom 1 West Door Frame, Caulk: Beige Caulk and Paint	0	N/A
V146-44	0142342-044	2nd Floor Bedroom 2 East Door Frame, Caulk: Beige Caulk and Paint	0	N/A
V146-45	0142342-045	2nd Floor Bathroom, Sink Caulk: Beige/White Caulk and Paint, Brown Paper, White Wall Material	0/0/0	N/A
V146-46	0142342-046	2nd Floor Bathroom, Sink Caulk: Beige/White Caulk, Brown Paper	0/0	N/A
V146-47	0142342-047	2nd Floor Bathroom, Window Caulk: Beige Caulking, White Caulking	0/0	N/A
V146-48	0142342-048	2nd Floor Bathroom, Window Caulk: Beige/Brown Caulk	0	N/A
V146-49	0142342-049	2nd Floor Bedroom 1 West Closet, HVAC Insulation: Brown/Silver Jacket and Beige Paint, Orange Insulation	0/0	N/A
V146-50	0142342-050	2nd Floor Bedroom 1 West Closet, HVAC Insulation: Brown/Silver Jacket and Beige Paint, Orange Insulation	0/0	N/A
V146-51	0142342-051	2nd Floor Bedroom 1 West Closet, HVAC Insulation: Brown/Silver Jacket and Beige Paint, Orange Insulation	0/0	N/A
V146-52	0142342-052	1st Floor Living Room North Closet, HVAC Insulation: Brown/Silver Jacket and Beige Paint, Yellow Insulation	0/0	N/A
V146-53	0142342-053	1st Floor Kitchen North Closet, HVAC Insulation: Brown/Silver Jacket and Beige Paint, Yellow Insulation	0/0	N/A



Comments

1. None of the sampled materials tested positive for asbestos.
2. When any layer of flooring tests positive for asbestos (floor tile, linoleum, or adhesive/mastic), all adhered layers are considered as 1 homogeneous material that cannot be separated and must be removed as one material during abatement removal operations.
3. Asbestos might be found within walls, ceiling and or pipe chases during the renovation or demolition of the building. If any suspect materials are found, they should treated as asbestos or tested for asbestos.



SECTION 3 General Legend and Notes

GENERAL LEGEND

O - Sample number/location - non-asbestos

△ - Sample number/location - contains asbestos

GENERAL NOTES

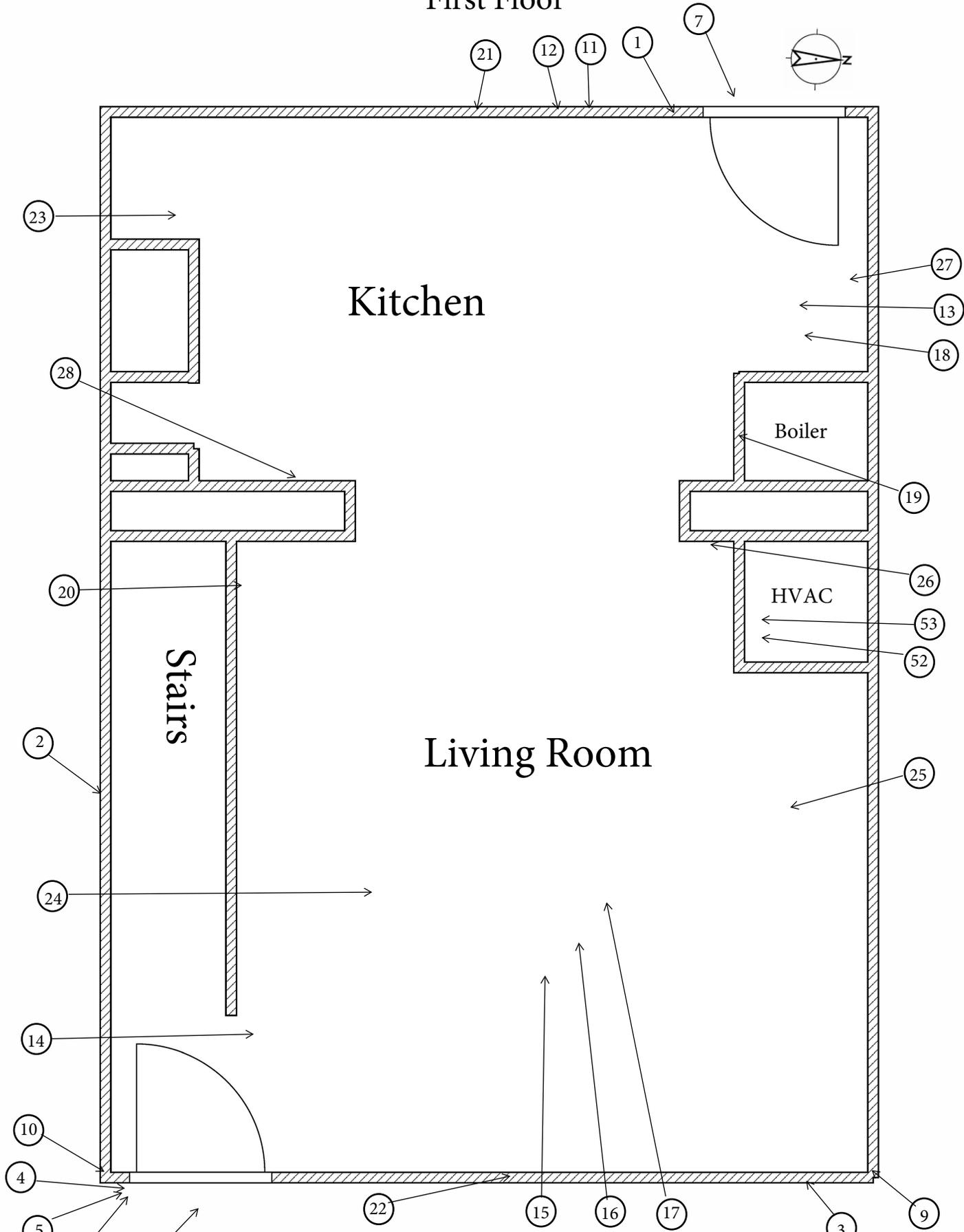
1. The EPA definition of a friable material is one that contains more than 1% asbestos by weight and can be crumbled, pulverized or reduced to a powder by hand pressure when dry, or which under normal use or maintenance emits or can be expected to emit asbestos fibers into the air.
2. All quantities are approximate.
3. Sketches are not to scale.



SECTION 4

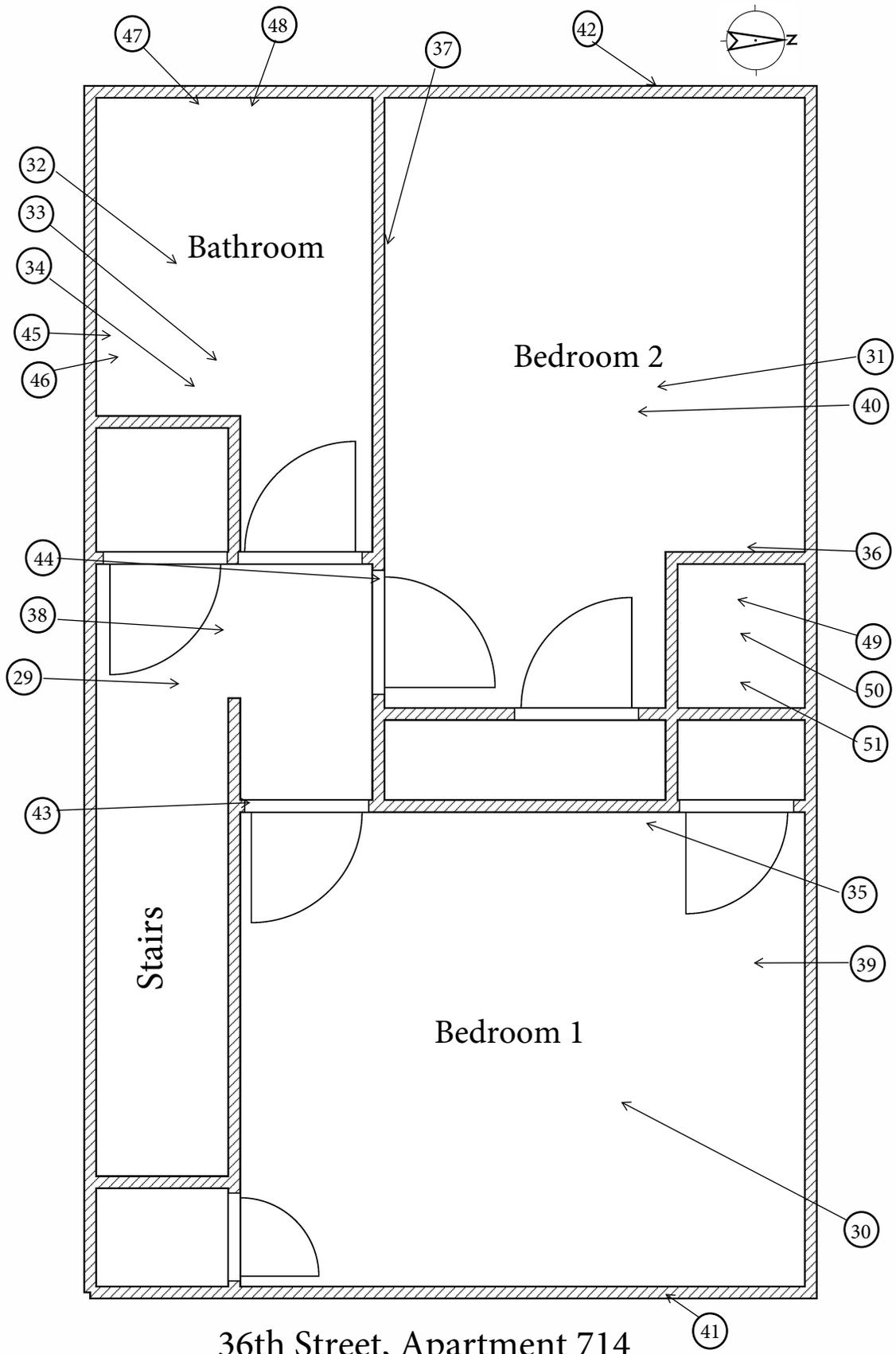
Survey Sample Location Sketches

First Floor



36th Street, Apartment 714
Newport News, Virginia

Second Floor



36th Street, Apartment 714

Newport News, Virginia



Marine Chemist Service, Inc.

SECTION 5 Reports of Analysis



Marine Chemist Service, Inc.
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 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
Virginia Certification	NVLAP VELAP TNI	Asbestos Bulk: PLM <u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142342
Report Date: 04/01/2024
MCS Job No.: 24-024S
Customer PO No.:

Date Sampled: 02/21/2024
Sampled By: Eric Bresnan
Job Location: 36th Street Apt 714

Date Received: 02/21/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/25/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142342-001 V146-1	Exterior West, Texture Stucco Cementitious Material, Beige	LAYER 1 100%	None Detected		Cellulose Fiber	5%
					Non-Fibrous Material	95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-002 V146-2	Exterior South, Texture Stucco Cementitious Material, Beige	LAYER 1 70%	None Detected		Cellulose Fiber	5%
					Non-Fibrous Material	95%
	Cementitious Material, Gray	LAYER 2 30%	None Detected		Cellulose Fiber	5%
					Non-Fibrous Material	95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-003 V146-3	Exterior East, Texture Stucco Cementitious Material, Beige and Gray	LAYER 1 100%	None Detected		Cellulose Fiber	5%
					Non-Fibrous Material	95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-004 V146-4	Exterior Top, Red Brick, Mortar Red Cementitious Material, Beige Paint	LAYER 1 80%	None Detected		Non-Fibrous Material	100%
	Cementitious Material, Beige	LAYER 2 20%	None Detected		Cellulose Fiber	5%
					Non-Fibrous Material	95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
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 319 Plume Street
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MCS Job No.: 24-024S
Customer PO No.:

Date Sampled: 02/21/2024
Sampled By: Eric Bresnan
Job Location: 36th Street Apt 714

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Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142342-005 V146-5	Exterior Middle, Red Brick, Mortar					
	Red Cementitious Material, Beige Paint	LAYER 1 80%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Cementitious Material, Beige	LAYER 2 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-006 V146-6	Exterior Bottom, Red Brick, Mortar					
	Red Cementitious Material, Beige Paint	LAYER 1 80%	None Detected		Non-Fibrous Material	100%
	Cementitious Material, Beige	LAYER 2 10%	None Detected		Non-Fibrous Material	100%
	Mastic Like Material,	LAYER 3 10%	None Detected		Non-Fibrous Material	100%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-007 V146-7	Exterior West, Concrete					
	Cementitious Material, Gray	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142342-008 V146-8	Exterior East, Concrete Cementitious Material, Gray	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-009 V146-9	Exterior North East Corner, Shingle, Tar Black Tar, Brown and Gray Aggregate	LAYER 1 100%	None Detected		Fibrous Glass Non-Fibrous Material	20% 80%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-010 V146-10	Exterior South East Corner, Shingle, Tar Black Tar, Brown and Gray Aggregate	LAYER 1 100%	None Detected		Fibrous Glass Non-Fibrous Material	20% 80%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-011 V146-11	Exterior West, Shingle, Tar Black Tar, Brown and Gray Aggregate	LAYER 1 100%	None Detected		Fibrous Glass Non-Fibrous Material	20% 80%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142342
Report Date: 04/01/2024
MCS Job No.: 24-024S
Customer PO No.:

Date Sampled: 02/21/2024
Sampled By: Eric Bresnan
Job Location: 36th Street Apt 714

Date Received: 02/21/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/25/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142342-012 V146-12	Exterior Patch West, Shingle, Tar					
	Black Tar, Brown and Black Aggregate	LAYER 1 100%	None Detected		Fibrous Glass Non-Fibrous Material	20% 80%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-013 V146-13	1st Floor Kitchen North, FTA					
	Floor Tile, Gray	LAYER 1 90%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 10%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-014 V146-14	1st Floor Living Rm Stairs, FTA					
	Floor Tile, Gray	LAYER 1 80%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142342-015 V146-15	1st Floor Living Rm Center, FTA					
	Floor Tile, Gray	LAYER 1 80%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 20%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-016 V146-16	1st Floor Patch Living Rm Center, FTA					
	Floor Tile, Gray	LAYER 1 90%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 10%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-017 V146-17	1st Floor Patch Living Rm Center, FTA					
	Floor Tile, Beige	LAYER 1 90%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 10%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142342-018 V146-18	1st Floor Patch Kitchen North, FTA					
	Floor Tile, Beige	LAYER 1 90%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 10%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-019 V146-19	1st Floor Living Rm Closet, Door Caulk					
	Caulk and Paint, Beige	LAYER 1 90%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Paper, Brown	LAYER 2 10%	None Detected		Cellulose Fiber Non-Fibrous Material	90% 10%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-020 V146-20	1st Floor Kitchen Rm Closet, Door Caulk					
	Caulk and Paint, Beige	LAYER 1 80%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Wood, Brown	LAYER 2 10%	None Detected		Cellulose Fiber Non-Fibrous Material	90% 10%
	Wall Material, White	LAYER 3 10%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142342-021 V146-21	1st Floor East Window, Caulk Caulk and Paint, Beige	LAYER 1 100%	None Detected		Cellulose Fiber	5%
					Non-Fibrous Material	95%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected				
0142342-022 V146-22	1st Floor West Window, Caulk Beige Caulk, White Paint	LAYER 1 100%	None Detected		Cellulose Fiber	5%
					Non-Fibrous Material	95%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected				
0142342-023 V146-23	1st Floor Kitchen, Texture Ceiling White Ceiling Material, Green and Beige Paint	LAYER 1 100%	None Detected		Cellulose Fiber	5%
					Non-Fibrous Material	95%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected				
0142342-024 V146-24	1st Floor Living Rm South, Texture Ceiling White Ceiling Material, Green and Beige Paint	LAYER 1 100%	None Detected		Cellulose Fiber	5%
					Non-Fibrous Material	95%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected				



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	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

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Job Location: 36th Street Apt 714

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Date Analyzed: 03/25/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142342-025 V146-25	1st Floor Living Rm North, Texture Ceiling White Ceiling Material, Green and Beige Paint	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-026 V146-26	1st Floor Living Rm North, Drywall White Plaster, Green and Beige Paint	LAYER 1 10%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Scratch Coat, Gray	LAYER 2 10%	None Detected		Non-Fibrous Material	100%
	Joint Compound, White	LAYER 3 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Paper, Brown	LAYER 4 30%	None Detected		Cellulose Fiber Non-Fibrous Material	90% 10%
	Drywall, Gray	LAYER 5 30%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142342-027 V146-27	1st Floor Kitchen North, Drywall					
	White Plaster, Green and Beige Paint	LAYER 1 20%	None Detected		Non-Fibrous Material	100%
	Scratch Coat, Gray	LAYER 2 20%	None Detected		Non-Fibrous Material	100%
	White Joint Compound, Beige Paint	LAYER 3 20%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
	Paper, Brown	LAYER 4 20%	None Detected		Cellulose Fiber Non-Fibrous Material	90% 10%
	Drywall, Gray	LAYER 5 20%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142342-028 V146-28	1st Floor Kitchen South, Drywall					
	White Plaster, Green and Beige Paint	LAYER 1 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Scratch Coat, Gray	LAYER 2 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	White Joint Compound, Beige Paint	LAYER 3 20%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
	Paper, Brown	LAYER 4 20%	None Detected		Cellulose Fiber Non-Fibrous Material	90% 10%
	Drywall, Brown	LAYER 5 20%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-029 V146-29	2nd Floor Top Stairwell, FTA					
	Floor Tile, Gray	LAYER 1 80%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142342-030 V146-30	2nd Floor Center Bedroom 1, FTA					
	Floor Tile, Gray	LAYER 1 80%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-031 V146-31	2nd Floor Center Bedroom 2, FTA					
	Floor Tile, Gray	LAYER 1 80%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-032 V146-32	2nd Floor Bathroom, FTA					
	Floor Tile, Beige	LAYER 1 90%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 10%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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		Metals: Air
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142342-033 V146-33	2nd Floor Bathroom, FTA					
	Floor Tile, Beige	LAYER 1 90%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 10%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-034 V146-34	2nd Floor Bathroom, FTA					
	Floor Tile, Beige	LAYER 1 90%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 10%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-035 V146-35	2nd Floor West Wall Bedroom 1, Drywall					
	White Joint Compound, Beige Paint	LAYER 1 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Paper, Brown	LAYER 2 30%	None Detected		Cellulose Fiber Non-Fibrous Material	90% 10%
	Drywall, Gray	LAYER 3 50%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
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Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
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		Asbestos: PLM & PCM

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 Norfolk VA 23510

MCS Report No.: 0142342
Report Date: 04/01/2024
MCS Job No.: 24-024S
Customer PO No.:

Date Sampled: 02/21/2024
Sampled By: Eric Bresnan
Job Location: 36th Street Apt 714

Date Received: 02/21/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/25/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142342-036	2nd Floor North East Wall Bedroom 2, Drywall					
V146-36	White Joint Compound, Beige Paint	LAYER 1 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Paper, Brown	LAYER 2 30%	None Detected		Cellulose Fiber Non-Fibrous Material	90% 10%
	Drywall, Gray	LAYER 3 50%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



Marine Chemist Service, Inc.
 11850 TUG BOAT LANE
 NEWPORT NEWS, VA 23606-2527
 TEL: (757) 873-0933 · NORFOLK (757) 640-1122
 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142342-037	2nd Floor South West Wall Bedroom 2, Drywall					
V146-37	White Plaster, Beige Paint	LAYER 1 20%	None Detected		Non-Fibrous Material	100%
	Scratch Coat, Gray	LAYER 2 20%	None Detected		Non-Fibrous Material	100%
	Joint Compound, White	LAYER 3 20%	None Detected		Cellulose Fiber	5%
					Non-Fibrous Material	95%
	Paper, Brown	LAYER 4 20%	None Detected		Cellulose Fiber	90%
					Non-Fibrous Material	10%
	Drywall, Gray	LAYER 5 20%	None Detected		Cellulose Fiber	10%
					Non-Fibrous Material	90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-038	2nd Floor Top Stairwell South Ceiling, Texture Ceiling					
V146-38	Ceiling Material and Paint, Beige	LAYER 1 100%	None Detected		Cellulose Fiber	5%
					Non-Fibrous Material	95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142342-039 V146-39	2nd Floor Bedroom 1 North Ceiling, Texture Ceiling Beige Ceiling Material, Beige and Blue Paint	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected				
0142342-040 V146-40	2nd Floor Bedroom 2 Center Ceiling, Texture Ceiling Ceiling Material Paint, Beige	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected				
0142342-041 V146-41	2nd Floor Bedroom 1 East Window, Caulk Caulking, Beige	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected				
0142342-042 V146-42	2nd Floor Bedroom 2 West Window, Caulk Caulking, Beige	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected				



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142342-043 V146-43	2nd Floor Bedroom 1 West Door Frame, Caulk Caulk and Paint, Beige	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-044 V146-44	2nd Floor Bedroom 2 East Door Frame, Caulk Caulk and Paint, Beige	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-045 V146-45	2nd Floor Bathroom, Sink Caulk Caulk and Paint, Beige and White Paper, Brown Wall Material, White	LAYER 1 80% LAYER 2 10% LAYER 3 10%	None Detected None Detected None Detected		Cellulose Fiber Non-Fibrous Material Cellulose Fiber Non-Fibrous Material Cellulose Fiber Non-Fibrous Material	5% 95% 90% 10% 5% 95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142342-046 V146-46	2nd Floor Bathroom, Sink Caulk					
	Caulk, Beige and White	LAYER 1 90%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Paper, Brown	LAYER 2 10%	None Detected		Cellulose Fiber Non-Fibrous Material	90% 10%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-047 V146-47	2nd Floor Bathroom, Window Caulk					
	Caulking, Beige	LAYER 1 50%	None Detected		Non-Fibrous Material	100%
	Caulking, White	LAYER 2 50%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-048 V146-48	2nd Floor Bathroom, Window Caulk					
	Caulk, Beige and Brown	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
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MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142342-049	2nd Floor Bedroom 1 West Closet, HVAC Insulation					
V146-49	Brown and Silver Jacket, Beige Paint	LAYER 1 40%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	40% 40% 20%
	Insulation, Orange	LAYER 2 60%	None Detected		Fibrous Glass Non-Fibrous Material	90% 10%
	Asbestos Present: No	Total % Asbestos:	No Asbestos Detected			
0142342-050	2nd Floor Bedroom 1 West Closet, HVAC Insulation					
V146-50	Brown and Silver Jacket, Beige Paint	LAYER 1 50%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	40% 40% 20%
	Insulation, Orange	LAYER 2 50%	None Detected		Fibrous Glass Non-Fibrous Material	90% 10%
	Asbestos Present: No	Total % Asbestos:	No Asbestos Detected			



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333_000004</u>
		Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142342-051	2nd Floor Bedroom 1 West Closet, HVAC Insulation					
V146-51	Brown and Silver Jacket, Beige Paint	LAYER 1 40%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	40% 40% 20%
	Insulation, Orange	LAYER 2 60%	None Detected		Fibrous Glass Non-Fibrous Material	90% 10%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142342-052	1st Floor Living Rm North Closet, HVAC Insulation					
V146-52	Brown and Silver Jacket, Beige Paint	LAYER 1 30%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	40% 40% 20%
	Insulation, Yellow	LAYER 2 70%	None Detected		Fibrous Glass Non-Fibrous Material	90% 10%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142342-053	1st Floor Kitchen North Closet, HVAC Insulation					
V146-53	Brown and Silver Jacket, Beige Paint	LAYER 1 40%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	40% 40% 20%
	Insulation, Yellow	LAYER 2 60%	None Detected		Fibrous Glass Non-Fibrous Material	90% 10%

Asbestos Present: No

Total % Asbestos:

No Asbestos Detected

Analyst - Mary Helen Scott

Approved Signatory - Mary Helen Scott

Laboratory Supervisor

Method Detection Limit: = <1%

- * Fiber concentrations were determined by visually estimating the area percentage for each type.
- * Asbestos fibers may not be detected by PLM in certain samples because of their size (<5um) or being bound with non-friable organic matrix. In such cases an alternative method of analysis may be necessary.
- * Analyzed only readily discernable layers.
- * All laboratory test results meet the applicable quality control requirements unless otherwise mentioned.
- * MCS, Inc. can not attest to nor be held responsible for the proper collection of samples and/or accuracy of the sample information provided by customers for samples not collected by MCS, Inc.
- * Test report relates only to the items tested.
- * The samples will be stored at the MCS, Inc. laboratory for a period of thirty days after the analysis. At the end of the period, it will be our policy to dispose of the samples unless prior arrangements have been made for a longer storage period.
- * This report shall not be reproduced, except in full, without the written approval of this laboratory.
- * The Report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government.
- * The Report includes Chain of Custody.



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www.MarineChemist.com

Customer: VIA Design LLC

Address: 319 Plume Street Norfolk VA 23510

Contact: Scott Campbell

Phone: (757) 373-7151 Fax: _____

Email: scampbell@viadesignarchitects.com

MCS Job #: 24-024S Customer PO: _____

Job Location: 36th Street Apt 714

BULK Chain of Custody Form

(use separate form for each matrix)

Requested Turnaround Time (markup)

- Building Material
- Paint
- Soil
- Other _____

- Same Day (100%)
- 1-Day (75%)
- 2-Day (50%)
- 3-Day (25%)
- 4-Day (12.5%)
- 5-Day (standard)

RESULTS DUE BY: 2/28/24

ANALYSIS: PLM

MCS Use Only

Project Manager _____

Special Instructions _____

DO NOT MAIL Give Report To: _____

MCS Lab Report No. 0142342 CAM 2/21/24

Samples Acceptable to Lab Yes No By _____

Date _____ If "No" Reason _____

Field ID	Sample Location	Sample Description	MCS Sample No.
<i>example</i>	<i>room or area</i>	<i>size / color / material</i>	<i>lab use only</i>
V146-1	Exterior West	White Texture Stucco	0142342-001
V146-2	Exterior South	White Texture Stucco	0142342-002
V146-3	Exterior East	White Texture Stucco	0142342-003
V146-4	Exterior Top	Red Brick & Mortar	0142342-004
V146-5	Exterior Middle	Red Brick & Mortar	0142342-005
V146-6	Exterior Bottom	Red Brick & Mortar	0142342-006
V146-7	Exterior West	Concrete	0142342-007
V146-8	Exterior East	Concrete	0142342-008
V146-9	Exterior North East Corner	Gray Shingle + Tar	0142342-009
V146-10	Exterior South East Corner	Gray Shingle + Tar	0142342-010
V146-11	Exterior West	Gray Shingle + Tar	0142342-011
V146-12	Exterior Patch West	Brown Shingle + Tar	0142342-012
V146-13	1st Floor Kitchen North	12" Gray FTA	0142342-013
V146-14	1st Floor Living Rm Stairs	12" Gray FTA	0142342-014
V146-15	1st Floor Living Rm Center	12" Gray FTA	0142342-015
V146-16	1st Floor Patch Living Rm Center	12" Beige FTA	0142342-016
V146-17	1st Floor Patch Living Rm Center	12" Brown FTA	0142342-017
V146-18	1st Floor Patch Kitchen North	12" Tan FTA	0142342-018
V146-19	1st Floor Living Rm Closet	White Door Caulk	0142342-019
V146-20	1st Floor Kitchen Rm Closet	White Door Caulk	0142342-020

Eric Bresnen

 Sampled by (Print)

Eric Bresnen

 Transported by (Print)

Carlos Mendoza

 Received by (Print)

E. Bresnen

 Signature

E. Bresnen

 Signature

[Signature]

 Signature

02-24-24

 Date/Time

02-21-24

 Date/Time

2/21/24

 Date/Time

4:30

 Date/Time

OFFICE USE ONLY:

Mailed Billing

Verbal _____

Faxed _____

Copied _____

Emailed _____

(date and initial above areas)



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(757) 873-0933 • (757) 873-1074 (fax)

www.MarineChemist.com

Customer: VIA Design LLC

Address: 319 Plume Street Norfolk VA 23510

Contact: Scott Campbell

Phone: (757) 373-7151 Fax: _____

Email: Scampbell@via.designarchitects.com

MCS Job #: 24-0245 Customer PO: _____

Job Location: 36th Street Apt. 714

BULK Chain of Custody Form

(use separate form for each matrix)

- Building Material
- Paint
- Soil
- Other _____

Requested Turnaround Time (markup)

- Same Day (100%)
- 1-Day (75%)
- 2-Day (50%)
- 3-Day (25%)
- 4-Day (12.5%)
- 5-Day (standard)

RESULTS DUE BY: 2/28/24

ANALYSIS: PLM

MCS Use Only

Project Manager _____

Special Instructions _____

DO NOT MAIL Give Report To: _____

MCS Lab Report No. 0142342 CAM 2/21/24

Samples Acceptable to Lab Yes No By _____

Date _____ If "No" Reason _____

Field ID	Sample Location	Sample Description	MCS Sample No.
<i>example</i>	<i>room or area</i>	<i>size / color / material</i>	<i>lab use only</i>
V146-21	1 st Floor East Window	White Window Caulk	0142342-021
V146-22	1 st Floor West Window	White Window Caulk	0142342-022
V146-23	1 st Floor Kitchen	White Texture Ceiling	0142342-023
V146-24	1 st Floor Living Rm South	White Texture Ceiling	0142342-024
V146-25	1 st Floor Living Rm North	White Texture Ceiling	0142342-025
V146-26	1 st Floor Living Rm North	White Drywall	0142342-026
V146-27	1 st Floor Kitchen North	White Drywall	0142342-027
V146-28	1 st Floor Kitchen South	White Drywall	0142342-028
V146-29	2 nd Floor Top Stairwell	12" Gray FTA	0142342-029
V146-30	2 nd Floor Center Bedroom 1	12" Gray FTA	0142342-030
V146-31	2 nd Floor Center Bedroom 2	12" Gray FTA	0142342-031
V146-32	2 nd Floor Bathroom	12" Brown FTA	0142342-032
V146-33	2 nd Floor Bathroom	12" Brown FTA	0142342-033
V146-34	2 nd Floor Bathroom	12" Brown FTA	0142342-034
V146-35	2 nd Floor West wall Bedroom 1	White Drywall	0142342-035
V146-36	2 nd Floor Northeast wall Bedroom 2	White Drywall	0142342-036
V146-37	2 nd Floor Southwest wall Bedroom 2	White Drywall	0142342-037
V146-38	2 nd Floor Top Stairwell South Ceiling	White Texture Ceiling	0142342-038
V146-39	2 nd Floor Bedroom 1 North Ceiling	White Texture Ceiling	0142342-039
V146-40	2 nd Floor Bedroom 2 Center Ceiling	White Texture Ceiling	0142342-040

Eric Bresnan
Sampled by (Print)

Eric Bresnan
Transported by (Print)

Carlos Mendoza
Received by (Print)

E. Bresnan
Signature

E. Bresnan
Signature

[Signature]
Signature

02-21-24
Date/Time

02-21-24
Date/Time

2/21/24 8:02
Date/Time

OFFICE USE ONLY:

Mailed Billing

Verbal _____

Faxed _____

Copied _____

Emailed _____

(date and initial above areas)



Marine Chemist Service, Inc.

11850 Tug Boat Lane • Newport News, VA 23606

(757) 873-0933 • (757) 873-1074 (fax)

www.MarineChemist.com

Customer: VIA Design LLC

Address: 319 Plume Street Norfolk VA 23510

Contact: Scott Campbell

Phone: (757) 373-7151 Fax: _____

Email: scampbell@via.designarchitects.com

MCS Job #: 24-0245 Customer PO: _____

Job Location: 36th Street Apt. 714

BULK Chain of Custody Form

(use separate form for each matrix)

- Requested Turnaround Time (markup)
- Building Material
 - Paint
 - Soil
 - Other _____
- Same Day (100%)
 - 1-Day (75%)
 - 2-Day (50%)
 - 3-Day (25%)
 - 4-Day (12.5%)
 - 5-Day (standard)

RESULTS DUE BY: 2/28/24
ANALYSIS: PLM

MCS Use Only

Project Manager _____

Special Instructions _____

DO NOT MAIL Give Report To: _____

MCS Lab Report No. 0142342 CAM 2/21/24

Samples Acceptable to Lab Yes No By _____

Date _____ If "No" Reason _____

CAM 2/21/24

Field ID	Sample Location	Sample Description	MCS Sample No.
<i>example</i>	<i>room or area</i>	<i>size / color / material</i>	<i>lab use only</i>
V146-41	2 nd Floor Bedroom 1 East Window	White Window Caulk	0142342-021
V146-42	2 nd Floor Bedroom 2 West Window	White Window Caulk	0142342-022
V146-43	2 nd Floor Bedroom 1 West Door Frame	White Door Caulk	0142342-023
V146-44	2 nd Floor Bedroom 2 East Door Frame	White Door Caulk	0142342-024
V146-45	2 nd Floor Bathroom	White Sink Caulk	0142342-025
V146-46	2 nd Floor Bathroom	White Sink Caulk	0142342-026
V146-47	2 nd Floor Bathroom	White Window Caulk	0142342-027
V146-48	2 nd Floor Bathroom	White Window Caulk	0142342-028
V146-49	2 nd Floor Bedroom 1 West Closet	HVAC Yellow Insulation	0142342-029
V146-50	2 nd Floor Bedroom 1 West Closet	HVAC Yellow Insulation	0142342-030
V146-51	2 nd Floor Bedroom 1 West Closet	HVAC Yellow Insulation	0142342-031
V146-52	1 st floor Living Rm North Closet	HVAC Yellow Insulation	0142342-032
V146-53	1 st Floor Kitchen North closet	HVAC Yellow Insulation	0142342-033
			0142342-034
			0142342-035
			0142342-036
			0142342-037
			0142342-038
			0142342-039
			0142342-040

Eric Bresnan
Sampled by (Print)

Eric Bresnan
Transported by (Print)

Carlos Mendosa
Received by (Print)

EBresnan
Signature

EBresnan
Signature

[Signature]
Signature

02-21-24
Date/Time

02-21-24
Date/Time

2/21/24 4:30 pm
Date/Time

OFFICE USE ONLY:

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Verbal _____

Faxed _____

Copied _____

Emailed _____

(date and initial above areas)



Marine Chemist Service, Inc.

SECTION 6 Inspection Information



Marine Chemist Service, Inc.

Inspection Information

The survey contractor for the inspection of 36th Street, Apartment 714, Newport News VA is:

**Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
www.MarineChemist.com**

The team leader responsible for quality control coordination of inspection and adherence to inspection protocol is:

**Patrick Studley - CIH
Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
PStudley@MarineChemist.com**

The AIHA and NVLAP Accredited laboratory selected to analyze the bulk samples for asbestos content by PLM, using the "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (Appendix A to Subpart F in 40 CFR Part 763) is:

**Marine Chemist Service, Inc.
Virginia Asbestos Analytical Laboratory License 3333 000004
11850 Tug Boat Lane
Newport News, Virginia 23606
(757) 873-0933**

The inspector who physically inspected the building and who have received EPA-Approved Training is:

**Eric Bresnan
Virginia Asbestos Inspector License 3303 04885
EBresnan@MarineChemist.com**

The Industrial Hygiene Inspector is employed by:

**Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606**



Marine Chemist Service, Inc.

SECTION 7 Credentials

The Board for Global EHS Credentialing (BGC)

through its vested authority, hereby confirms that

Patrick Gene Studley

has met all requirements of education, experience, and examination, and on-going maintenance set forth through the BGC's American Board of Industrial Hygiene® (ABIH®) credentialing division for re-certification in the Comprehensive Practice of Industrial Hygiene and is thereby conferred the credential of

Certified Industrial Hygienist® (CIH®)

The aforementioned individual is given all rights, privileges, and responsibilities as both a diplomate of the BGC and holder of the CIH credential, provided that the credential is not suspended or revoked, and it is renewed annually. Moreover, the holder must meet all recertification requirements, including the obligation to practice ethically as prescribed by the BGC.



Credential Number: 11321 CP
Award Date: May 31, 2017
Expiration Date: December 1, 2027

Thomas G. Grumbles, CIH, CPPS, FAIHA
Chair of the Board of Directors



Ulric K. Chung, MCS, PhD
Chief Executive Officer and Secretary

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON
05-31-2024

NUMBER
3303004885

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE



ERIC BRESNAN
11850 TUG BOAT LN
NEWPORT NEWS, VA 23606



Dominick J. Meis
Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)



BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE
NUMBER: 3303004885 EXPIRES: 05-31-2024

ERIC BRESNAN
11850 TUG BOAT LN
NEWPORT NEWS, VA 23606



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)

LICENSE PRIVILEGES AND INSTRUCTIONS

This license, certificate, or registration is issued to the individual or business named on the front of this document and is **NOT TRANSFERABLE**. Notify the Board of changes to name (individual, business, and/or trade), mailing address, or location.

The privileges of this license, certificate, or registration are hereby granted to the individual or business to operate in accordance with the terms of the license, certificate, or registration herein designated and the applicable statutes of the Commonwealth of Virginia and the regulations of the Board.

The privileges conferred by this license, certificate, or registration shall continue until the expiration date. However, the license, certificate, or registration may be suspended or revoked prior to expiration.

Information about our agency, boards, and programs can be found at <http://www.dpor.virginia.gov>. Any questions relative to the issuance, privileges and maintenance of your license, certificate, or registration should be addressed to the Board.

THIS DOCUMENT AND POCKET CARD CONTAIN SECURITY FEATURES. ALTERATION OF THIS DOCUMENT OR A POCKET CARD, USE AFTER EXPIRATION, OR USE BY ANOTHER INDIVIDUAL OR BUSINESS MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

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COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

08-31-2024

NUMBER

3333000004

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS ANALYTICAL LABORATORY LICENSE
PCM PLM



MARINE CHEMIST SERVICE INC
11850 TUG BOAT LANE
NEWPORT NEWS, VA 23606-0000



Donna J. Miller
Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)



COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS ANALYTICAL LABORATORY LICENSE

PCM PLM

NUMBER: 3333000004 EXPIRES: 08-31-2024

MARINE CHEMIST SERVICE INC
11850 TUG BOAT LANE
NEWPORT NEWS, VA 23606-0000



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)

LICENSE PRIVILEGES AND INSTRUCTIONS

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EXPIRATION, OR USE BY ANOTHER
INDIVIDUAL OR BUSINESS MAY
RESULT IN CRIMINAL
PROSECUTION UNDER THE
CODE OF VIRGINIA.
04/22/2024



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

Marine Chemist Service, Inc.

11850 Tug Boat Lane, Newport News, VA 23606

Laboratory ID: LAP-100551

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA LAP), LLC accreditation to the ISO/IEC 17025:2017 international standard, General Requirements for the Competence of Testing and Calibration Laboratories in the following:

LABORATORY ACCREDITATION PROGRAMS

<input checked="" type="checkbox"/>	INDUSTRIAL HYGIENE	Accreditation Expires: March 01, 2025
<input checked="" type="checkbox"/>	ENVIRONMENTAL LEAD	Accreditation Expires: March 01, 2025
<input checked="" type="checkbox"/>	ENVIRONMENTAL MICROBIOLOGY	Accreditation Expires: March 01, 2025
<input type="checkbox"/>	FOOD	Accreditation Expires:
<input type="checkbox"/>	UNIQUE SCOPES	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2017 and AIHA LAP, LLC requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Cheryl O Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision20: 06/07/2022

Date Issued: 03/01/2023



**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF GENERAL SERVICES
DIVISION OF CONSOLIDATED LABORATORY SERVICES**



Certifies that

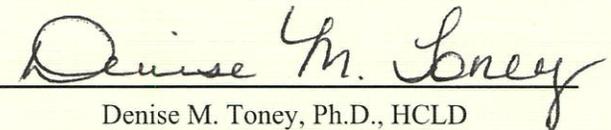
**VA Laboratory ID#: 460257
Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, VA 23606**

Owner: ROBERT WALKER JR.
Responsible Official: CHARLES G. WALKER

Having met the requirements of 1 VAC 30-46 and
having been found compliant with the 2016 TNI Standard approved by The NELAC Institute
is hereby approved as an
Accredited Environmental Laboratory

As more fully described in the attached Scope of Accreditation

Effective Date: **December 15, 2023**
Expiration Date: **December 14, 2024**
Certificate # 12711



Denise M. Toney, Ph.D., HCLD
DGS Deputy Director for Laboratories

Continued accreditation status depends on successful ongoing participation in the program.
Certificate to be conspicuously displayed at the laboratory.
Not valid unless accompanied by a valid Virginia Environmental Laboratory Accreditation Program (VELAP)
Scope of Accreditation.

Customers are urged to verify the laboratory's current accreditation status.

VIA-Design Architects, PC- Asbestos Inspection Report

Certificate Not Transferable
MCS, JOB# 24-024S- 36th Street Apartment 714
Newport News VA

**LIMITED ASBESTOS INSPECTION REPORT
OF
35th STREET, APARTMENT 701B
NEWPORT NEWS, VA
MCS JOB # 24-025S**



Marine Chemist Service, Inc.

11850 Tug Boat Lane, Newport News, VA 23606-2527

Phone: (757) 873-0933 · Norfolk (757) 640-1122

Fax: (757) 873-1074 · Norfolk (757) 625-5696

www.MarineChemist.com



Marine Chemist Service, Inc.

Limited Asbestos Inspection Report

of

**35th Street, Apartment 701B
Newport News, VA**

on

February 27, 2024

Prepared for:

**Scott Campbell
VIA Design Architects, PC
319 Plume Street
Norfolk, VA 23510**

By

**Eric Bresnan
Virginia Asbestos Inspector License 3303 004885
Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
(757) 873-0933**

April 24, 2024

Date

Inspector Signature



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SECTION 6 -----Report of Analysis

SECTION 7 -----Inspection Information

SECTION 8 -----Credentials



Marine Chemist Service, Inc.

SECTION 1

Asbestos Inspection Report



LIMITED ASBESTOS INSPECTION OF 35th STREET, APARTMENT 701B NEWPORT NEWS, VIRGINIA

INTRODUCTION

Background and Purpose

There has been a growing public awareness of the link between the inhalation of asbestos fibers and various diseases such as asbestosis, mesothelioma, lung, and other cancers. As a result, the Asbestos Hazard Emergency Response Act (AHERA 40 CFR Part 763) for schools grades K through 12 was established by EPA.

The necessary components of an AHERA inspection require the accredited inspector to visually inspect and assess the condition of all known or assumed friable asbestos containing building materials (ACBM); to visually inspect non - friable ACBM and touch it to determine friability, and to identify homogeneous areas of friable materials.

EPA's National Emission Standards for Hazardous Air Pollutants (NESHAPS) require thorough inspections for asbestos in structures before the renovation or demolition of those structures.

Virginia law requires that if the initial building permit was issued prior to January 1, 1985, an asbestos inspection must be performed prior to the local authorities issuing a building permit.

In order to comply with NESHAPS, buildings to be renovated or demolished must be thoroughly inspected for asbestos containing building materials. Marine Chemist Service, Inc. follows the AHERA sampling protocol for interior surveys and the Virginia standard for roof surveys.

The purpose of this survey was to provide information for this property concerning the location and type of accessible and/or visible asbestos containing materials prior to renovation.

In compliance with Virginia Regulations, Marine Chemist Service Inc. performed a limited asbestos inspection of 35th Street, Apartment 701B, located in Newport News, VA on February 27, 2024.



General Information

Marine Chemist Service, Inc. was hired by Scott Campbell of VIA Design Architects on February 20, 2024, to conduct asbestos bulk sampling for suspect asbestos-containing building materials of 35th Street, Apartment 701B, located in Newport News, VA.

Authorization

Authorization to perform this testing was provided in the form of a phone call notice to proceed by Scott Campbell of VIA Design Architects on February 20, 2024. The building was unoccupied at the time of the inspection.

Warranty

This visual inspection and laboratory report has been prepared in accordance with AHERA and Virginia requirements and current accepted professional practices. A minimum number of bulk asbestos samples were collected to determine the presence or absence of asbestos. This inspection has been performed to provide the client with information concerning the presence of accessible and/or exposed suspect asbestos containing building materials. Destructive testing was not performed. This inspection documents conditions at the time of the inspection only. No other warranties are implied or expressed.



SURVEY METHODS

Inspection Methods

The asbestos survey was performed by a Virginia licensed asbestos inspector. A visual walk through inspection was performed to identify suspect asbestos containing materials and homogeneous areas.

Sampling Methods

The Virginia licensed asbestos inspector sampled the identified suspect materials within the homogeneous areas following the visual inspection. Sampling was not performed on any inaccessible materials and did not involve destructive testing of building components. Sample locations were selected randomly.

LABORATORY METHODS

Analysis Methods

The bulk sample was first visually observed and described. The sample was mounted onto a slide, covered with dispersion staining oil and a cover slip, and observed under a polarized light microscope (PLM). The asbestos and non-asbestos materials in the sample are identified by this method.

The PLM microscopist estimates the amounts of asbestos and non-asbestos components by determining visually the relative volume of each to the total volume of the sample.



ASBESTOS INSPECTION

Document Review and On-Site Survey

Blueprints were not provided for the inspection. A sketch was generated to indicate sample/asbestos material locations.

Identification of Suspect Asbestos Containing Materials

A visual inspection was performed on the suspect asbestos containing material found in the survey areas. The suspect asbestos containing materials are as follows:

1. 12"x12" Gray Floortile
2. 12"x12" Brown Floortile
3. 12"x12" Tan Floortile
4. White Drywall and Plaster
5. White Texture Ceiling with Insulation
6. White Door Caulking
7. White Window Caulking
8. White Sink Caulking
9. HVAC Insulation
10. White Stucco
11. Red Brick and Mortar
12. Gray Transite and Tar
13. Concrete



Bulk Sampling

Bulk sampling was performed on all suspect asbestos-containing materials found in the areas and the minimum number of samples were taken as required in the AHERA Standards.

Bulk samples were taken penetrating all layers of the material. The samples were at least one cubic centimeter and were placed in a sealed container at the time of collection. All precautions were taken to prevent exposure to those present in or around the facility during the collection of samples. All sampling locations were patched with an encapsulant after the sampling was complete.

Samples listed below are grouped into homogeneous areas. Homogeneous areas are areas, which are uniform by color, texture, construction/application date, and general appearance.

Some sample results in the % asbestos column may be displayed in this report with a slash between two numbers, (#/#). The first number represents the first material listed under the material location/description and the second number represents the second material listed.

When N/A is placed in the friable category it means the sample tested negative - (0) or less than one percent - ($\leq 1\%$) for asbestos and the friable description does not apply.

Samples were analyzed utilizing Polarized Light Microscopy (PLM) with dispersion staining by a NVLAP accredited laboratory (Marine Chemist Service, Inc. NVLAP Lab Code 200628-0). The results are in section 6.



Marine Chemist Service, Inc.

SECTION 2

Sample Summary Table

Apartment 701B
35th Street
Newport News, VA 23607

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
V015-1	0142388-001	North Bedroom Center, 12" Floor Tile Aggregate: Gray Floor Tile, Yellow Mastic	0/0	N/A
V015-2	0142388-002	Living Room South Center, 12" Floor Tile Aggregate: Gray Floor Tile, Yellow Mastic, Gray Leveling Compound	0/0	N/A
V015-3	0142388-003	South Bedroom Center, 12" Floor Tile Aggregate: Gray Floor Tile, Yellow Mastic	0/0	N/A
V015-4	0142388-004	Bathroom Center, 12" Brown Floor Tile Aggregate: Brown Floor Tile, Yellow Mastic	0/0	N/A
V015-5	0142388-005	Bathroom Center, 12" Brown Floor Tile Aggregate: Tan Floor Tile, Yellow Mastic	0/0	N/A
V015-6	0142388-006	North Bedroom West Wall, Drywall, Plaster: White Surface Material, White/Brown Drywall, Beige/White Plaster Slim Coat, Gray Plaster Base Coat	0/0/0/0	N/A
V015-7	0142388-007	Living Room Southeast Wall, Drywall, Plaster: Cream/White Surface Material, White/Brown Drywall, Brown/Black Wrap, Yellow Insulation	0/0/0/0	N/A
V015-8	0142388-008	South Bedroom East Wall, Drywall, Plaster: Cream/White Surface Material, White/Brown Drywall, Beige/White Plaster Skim Coat, Gray Plaster Base Coat	0/0/0/0	N/A
V015-9	0142388-009	North Bedroom Center, Textured Ceiling, Insulation: Beige/White Texture, White Plaster Skim Coat, Gray Plaster Base Coat, White/Brown Drywall, Cream/Brown Insulation	0/0/0/0/0	N/A
V015-10	0142388-010	Living Room South, Textured Ceiling, Insulation: Beige/White Texture, White/Brown Drywall, Beige/White Plaster Skim Coat, Gray Plaster Base Coat	0/0/0/0	N/A
V015-11	0142388-011	South Bedroom Center, Textured Ceiling, Insulation: Beige/White Texture, White Plaster Skim Coat, Gray Plaster Base Coat, White/Brown Drywall, Cream/Brown Insulation	0/0/0/0/0	N/A
V015-12	0142388-012	Door Hallway, Caulking: Cream/White/Gray Caulking, White Mud	0/0	N/A
V015-13	0142388-013	Kitchen Door, Caulking: Cream/White Caulking	0	N/A
V015-14	0142388-014	South Window, Caulking: Cream/White Caulking	0	N/A
V015-15	0142388-015	North Window, Caulking: Cream/White Caulking	0	N/A
V015-16	0142388-016	Bathroom Sink Left, Caulking: Cream/White Caulking, Tan Mastic	0/0	N/A
V015-17	0142388-017	Bathroom Sink Right, Caulking: Cream/White Caulking	0	N/A

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
V015-18	0142388-018	Bathroom Small Window, Caulking: White Caulking, Off-White Caulking	0/0	N/A
V015-19	0142388-019	Kitchen Closet Top, HVAC Insulation, Silver/Brown Wrap, Yellow Insulation	0/0	N/A
V015-20	0142388-020	Kitchen Closet Bottom, HVAC Insulation: Silver/Brown Wrap, Yellow Insulation	0/0	N/A
V015-21	0142388-021	Exterior North, White Stucco: Gray/White Stucco	0	N/A
V015-22	0142388-022	Exterior East, White Stucco: Gray/White Stucco	0	N/A
V015-23	0142388-023	Exterior South, White Stucco: Gray/White Stucco	0	N/A
V015-24	0142388-024	Exterior Top, Brick, Mortar: Red Brick, Gray Mortar	0/0	N/A
V015-25	0142388-025	Exterior Middle, Brick, Mortar: Red Brick, Gray Mortar	0/0	N/A
V015-26	0142388-026	Exterior Bottom, Brick, Mortar: Red Brick, Gray Mortar	0/0	N/A
V015-27	0142388-027	Exterior North, Transite, Tar: Gray Transite, Black Tar Paper	15/0	N/A
V015-28	0142388-028	Exterior East, Transite, Tar: Gray Transite, Black Tar Paper	15/0	N/A
V015-29	0142388-029	Exterior South, Transite, Tar: Gray Transite, Black Tar Paper	20/0	N/A
V015-30	0142388-030	Exterior North, Concrete: Gray Concrete	0	N/A
V015-31	0142388-031	Exterior South, Concrete: Gray Concrete	0	N/A



Comments

1. The following sampled materials tested positive for asbestos:
 - **Exterior Gray Transite Shingles**
2. When any layer of flooring tests positive for asbestos (floor tile, linoleum, or adhesive/mastic), all adhered layers are considered as 1 homogeneous material that cannot be separated and must be removed as one material during abatement removal operations.
3. Asbestos might be found within walls, ceiling and or pipe chases during the renovation or demolition of the building. If any suspect materials are found, they should be treated as asbestos or tested for asbestos.

Approximate Quantities of Asbestos Materials

<u>ASBESTOS CONTAINING MATERIALS</u>	<u>QUANTITY</u>
Exterior Transite Shingles	Approx. 1,600ft



Marine Chemist Service, Inc.

SECTION 3 General Legend and Notes

GENERAL LEGEND

O - Sample number/location - non-asbestos

△ - Sample number/location - contains asbestos

GENERAL NOTES

1. The EPA definition of a friable material is one that contains more than 1% asbestos by weight and can be crumbled, pulverized or reduced to a powder by hand pressure when dry, or which under normal use or maintenance emits or can be expected to emit asbestos fibers into the air.
2. All quantities are approximate.
3. Sketches are not to scale.

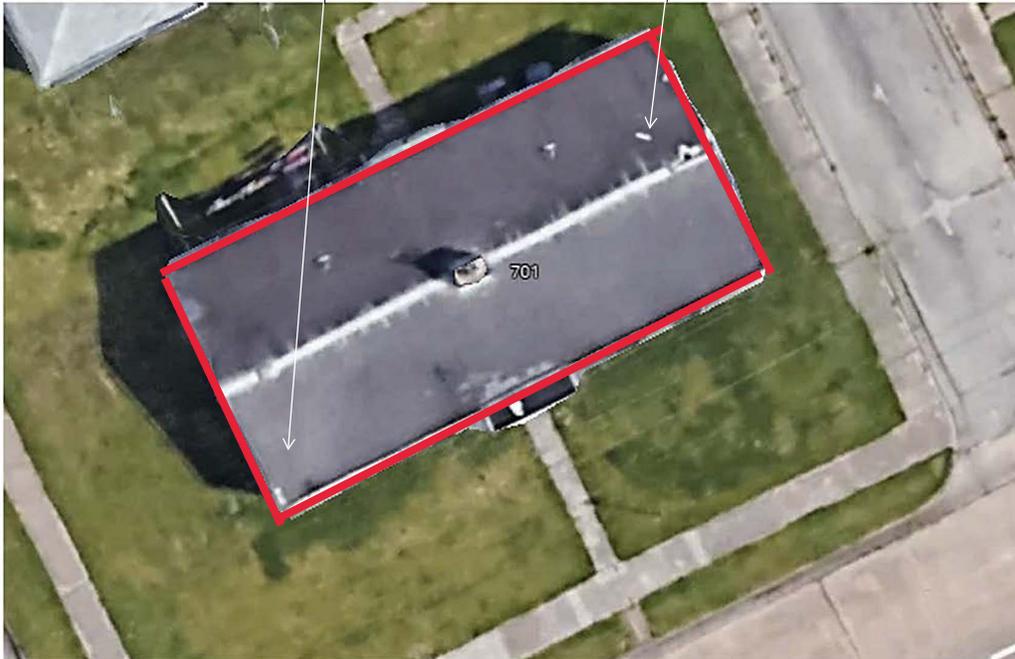


Marine Chemist Service, Inc.

SECTION 4

Asbestos Containing Material Sketches

Gray Transite Roof Shingles



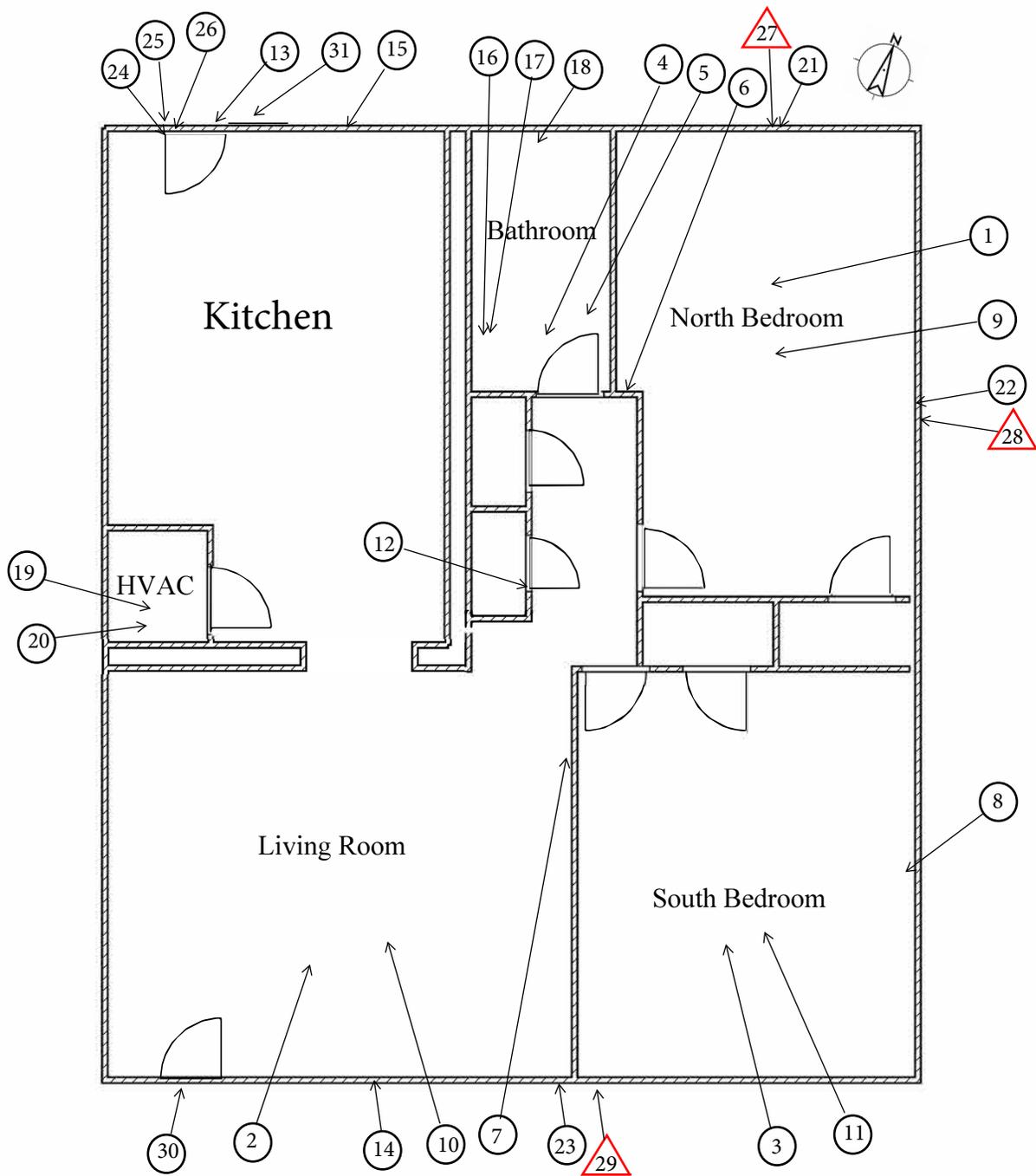
Positive Material Sketch
35th Street, Apartment 701B
Newport News, Virginia



Marine Chemist Service, Inc.

SECTION 5

Survey Sample Location Sketches





Marine Chemist Service, Inc.

SECTION 5 Reports of Analysis



Marine Chemist Service, Inc.
 11850 TUG BOAT LANE
 NEWPORT NEWS, VA 23606-2527
 TEL: (757) 873-0933 · NORFOLK (757) 640-1122
 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142388
Report Date: 04/01/2024
MCS Job No.: 24-025S
Customer PO No.:

Date Sampled: 02/27/2024
Sampled By: Eric Bresnan
Job Location: 35th Street, Apt. 701B

Date Received: 02/27/2024
Received By: BL
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142388-001 V015-1	North Bedroom Center, 12" FTA Floor Tile, Gray	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142388-002 V015-2	Living Room South Center, 12" FTA Floor Tile, Gray	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow	LAYER 2	None Detected		Non-Fibrous Material	100%
	Leveling Compound, Gray	LAYER 3	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142388-003 V015-3	South Bedroom Center, 12" FTA Floor Tile, Gray	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142388-004 V015-4	Bathroom Center, 12" Brown FTA Floor Tile, Brown	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142388-005 V015-5	Bathroom Center, 12" Tan FTA Floor Tile, Tan	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142388-006 V015-6	North Bedroom West Wall, Drywall, Plaster Surface Material, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Drywall, White, Brown	LAYER 2	None Detected		Cellulose Fiber Non-Fibrous Material	20% 80%
	Plaster Skim Coat, Beige, White	LAYER 3	None Detected		Non-Fibrous Material	100%
	Plaster Base Coat, Gray	LAYER 4	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
Asbestos Present:		No				



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142388-007 V015-7	Living Room Southeast Wall, Drywall, Plaster					
	Surface Material, Cream, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Drywall, White, Brown	LAYER 2	None Detected		Cellulose Fiber	20%
	Wrap, Brown, Black	LAYER 3	None Detected		Non-Fibrous Material	80%
	Insulation, Yellow	LAYER 4	None Detected		Cellulose Fiber	80%
					Non-Fibrous Material	20%
					Fibrous Glass	100%

No plaster present. Sample appears to be surface material, drywall, wrap and insulation.

Asbestos Present: No



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Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142388-008 V015-8	South Bedroom East Wall, Drywall, Plaster Surface Material, Cream, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Drywall, White, Brown	LAYER 2	None Detected		Cellulose Fiber	20%
	Plaster Skim Coat, Beige, White	LAYER 3	None Detected		Non-Fibrous Material	80%
	Plaster Base Coat, Gray	LAYER 4	None Detected		Non-Fibrous Material	100%
					Cellulose Fiber	<1%
					Non-Fibrous Material	100%
Asbestos Present: No						



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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142388-009 V015-9	North Bedroom Center, Textured Ceiling, Insulation Texture, Beige, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Plaster Skim Coat, White	LAYER 2	None Detected		Non-Fibrous Material	100%
	Plaster Base Coat, Gray	LAYER 3	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
	Drywall, White, Brown	LAYER 4	None Detected		Cellulose Fiber Non-Fibrous Material	20% 80%
	Insulation, Cream, Brown	LAYER 5	None Detected		Fibrous Glass Cellulose Fiber	90% 10%

Asbestos Present: No



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142388-010 V015-10	Living Room South, Textured Ceiling, Insulation Texture, Beige, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Drywall, White, Brown	LAYER 2	None Detected		Cellulose Fiber	20%
	Plaster Skim Coat, Beige, White	LAYER 3	None Detected		Non-Fibrous Material	80%
	Plaster Base Coat, Gray	LAYER 4	None Detected		Non-Fibrous Material	100%
					Cellulose Fiber	<1%
					Non-Fibrous Material	100%

No insulation present. Sample appears to be texture, drywall, plaster skim coat and plaster base coat.

Asbestos Present: No



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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142388-011 V015-11	South Bedroom Center, Textured Ceiling, Insulation					
	Texture, Beige, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Plaster Skim Coat, White	LAYER 2	None Detected		Non-Fibrous Material	100%
	Plaster Base Coat, Gray	LAYER 3	None Detected		Cellulose Fiber	<1%
	Drywall, White, Brown	LAYER 4	None Detected		Non-Fibrous Material	100%
	Insulation, Cream, Brown	LAYER 5	None Detected		Cellulose Fiber	20%
					Non-Fibrous Material	80%
					Fibrous Glass	70%
					Cellulose Fiber	30%
Asbestos Present: No						
0142388-012 V015-12	Door Hallway, Caulking					
	Caulking, Cream White, Gray	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mud, White	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142388-013 V015-13	Kitchen Door, Caulking Caulking, Cream, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142388-014 V015-14	South Window, Caulking Caulking, Cream, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142388-015 V015-15	North Window, Caulking Caulking, Cream, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142388-016 V015-16	Bathroom Sink Left, Caulking Caulking, Cream, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Tan	LAYER 2	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
Asbestos Present: No						



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0142388-017 V015-17	Bathroom Sink Right, Caulking	LAYER 1	None Detected		Non-Fibrous Material	100%
	Caulking, Cream, White					
Asbestos Present: No						
0142388-018 V015-18	Bathroom Small Window, Caulking	LAYER 1	None Detected		Non-Fibrous Material	100%
	Caulking, White					
	Caulking, Off-white	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142388-019 V015-19	Kitchen Closet Top, HVAC Insulation	LAYER 1	None Detected		Cellulose Fiber	45%
	Wrap, Silver, Brown				Fibrous Glass	5%
	Insulation, Yellow	LAYER 2	None Detected		Non-Fibrous Material	50%
Asbestos Present: No						



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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142388-020 V015-20	Kitchen Closet Bottom, HVAC Insulation Wrap, Silver, Brown	LAYER 1	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	45% 5% 50%
	Insulation, Yellow	LAYER 2	None Detected		Fibrous Glass	100%
Asbestos Present: No						
0142388-021 V015-21	Exterior North, White Stucco Stucco, Gray, White	LAYER 1	None Detected		Fibrous Glass Non-Fibrous Material	<1% 100%
	Asbestos Present: No					
0142388-022 V015-22	Exterior East, White Stucco Stucco, Gray, White	LAYER 1	None Detected		Fibrous Glass Non-Fibrous Material	<1% 100%
	Asbestos Present: No					
0142388-023 V015-23	Exterior South, White Stucco Stucco, Gray, White	LAYER 1	None Detected		Fibrous Glass Non-Fibrous Material	<1% 100%
	Asbestos Present: No					



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142388
Report Date: 04/01/2024
MCS Job No.: 24-025S
Customer PO No.:

Date Sampled: 02/27/2024
Sampled By: Eric Bresnan
Job Location: 35th Street, Apt. 701B

Date Received: 02/27/2024
Received By: BL
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142388-024 V015-24	Exterior Top, Brick, Mortar Brick, Red	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mortar, Gray	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142388-025 V015-25	Exterior Middle, Brick, Mortar Brick, Red	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mortar, Gray	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142388-026 V015-26	Exterior Bottom, Brick, Mortar Brick, Red	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mortar, Gray	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



Marine Chemist Service, Inc.
 11850 TUG BOAT LANE
 NEWPORT NEWS, VA 23606-2527
 TEL: (757) 873-0933 · NORFOLK (757) 640-1122
 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142388
Report Date: 04/01/2024
MCS Job No.: 24-025S
Customer PO No.:

Date Sampled: 02/27/2024
Sampled By: Eric Bresnan
Job Location: 35th Street, Apt. 701B

Date Received: 02/27/2024
Received By: BL
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142388-027 V015-27	Exterior North, Transite, Tar	LAYER 1	Chrysotile	15%	Non-Fibrous Material	85%
	Transite, Gray					
	Tar Paper, Black	LAYER 2	None Detected		Cellulose Fiber	60%
					Non-Fibrous Material	40%
Sample appears to be transite and tarpaper. No tar present.						
Asbestos Present: Yes						
0142388-028 V015-28	Exterior East, Transite, Tar	LAYER 1	Chrysotile	15%	Non-Fibrous Material	85%
	Transite, Gray					
	Tar Paper, Black	LAYER 2	None Detected		Cellulose Fiber	60%
					Non-Fibrous Material	40%
Sample appears to be transite and tarpaper. No tar present.						
Asbestos Present: Yes						
0142388-029 V015-29	Exterior South, Transite, Tar	LAYER 1	Chrysotile	20%	Non-Fibrous Material	80%
	Transite, Gray					
	Tar Paper, Black	LAYER 2	None Detected		Cellulose Fiber	60%
					Non-Fibrous Material	40%
Sample appears to be transite and tarpaper. No tar present.						
Asbestos Present: Yes						



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 NEWPORT NEWS, VA 23606-2527
 TEL: (757) 873-0933 · NORFOLK (757) 640-1122
 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142388
Report Date: 04/01/2024
MCS Job No.: 24-025S
Customer PO No.:

Date Sampled: 02/27/2024
Sampled By: Eric Bresnan
Job Location: 35th Street, Apt. 701B

Date Received: 02/27/2024
Received By: BL
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142388-030 V015-30	Exterior North, Concrete Concrete, Gray	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142388-031 V015-31	Exterior South, Concrete Concrete, Gray	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						

Analysis performed at Eurofins CEI, Inc. Cary, NC (NVLAP Lab ID: 101768-0). Lab Code B245451.

Approved Signatory - Mary Helen Scott
 Laboratory Supervisor

Method Detection Limit: = <1%

- * Fiber concentrations were determined by visually estimating the area percentage for each type.
- * Asbestos fibers may not be detected by PLM in certain samples because of their size (<5um) or being bound with non-friable organic matrix. In such cases an alternative method of analysis may be necessary.
- * Analyzed only readily discernable layers.
- * All laboratory test results meet the applicable quality control requirements unless otherwise mentioned.
- * MCS, Inc. can not attest to nor be held responsible for the proper collection of samples and/or accuracy of the sample information provided by customers for samples not collected by MCS, Inc.
- * Test report relates only to the items tested.
- * The samples will be stored at the MCS, Inc. laboratory for a period of thirty days after the analysis. At the end of the period, it will be our policy to dispose of the samples unless prior arrangements have been made for a longer storage period.
- * This report shall not be reproduced, except in full, without the written approval of this laboratory.
- * The Report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government.
- * The Report includes Chain of Custody.



Marine Chemist Service, Inc.

11850 Tug Boat Lane • Newport News, VA 23606

(757) 873-0933 • (757) 873-1074 (fax)

www.MarineChemist.com

Customer: VIA Design LLC

Address: 319 Plumer Street Norfolk VA 23510

Contact: Scott Campbell

Phone: (757) 373-7151 Fax:

Email: Scampbell@via Design Architects.com

MCS Job #: 24-0255 Customer PO:

Job Location: 35th Street 701B Apt 1

BULK Chain of Custody Form

(use separate form for each matrix)

Requested Turnaround Time (markup)

- Building Material
Paint
Soil
Other

- Same Day (100%)
1-Day (75%)
2-Day (50%)
3-Day (25%)
4-Day (12.5%)
5-Day (standard)

RESULTS DUE BY:

ANALYSIS: PLM

MCS Use Only

Project Manager

Special Instructions

DO NOT MAIL Give Report To:

MCS Lab Report No. 0142388-0025222

Samples Acceptable to Lab Yes No By

Date If "No" Reason

Table with 4 columns: Field ID, Sample Location, Sample Description, MCS Sample No. containing 20 rows of sample data.

OFFICE USE ONLY:

Mailed Billing

Eric Bresnan
Sampled by (Print)
Signature
Date/Time 02-27-24

Eric Bresnan
Transported by (Print)
Signature
Date/Time 02-27-24

Received by (Print)
Signature
Date/Time 02/28/24 12:34

Verbal
Faxed
Copied
Emailed
(date and initial above areas)



Marine Chemist Service, Inc.

11850 Tug Boat Lane • Newport News, VA 23606
(757) 873-0933 • (757) 873-1074 (fax)
www.MarineChemist.com

Customer: VIA Design LLC Page 2 of 2
Address: 319 Plume Street Norfolk VA 23510
Email: Scampbell@via-design-architects.com
Attention: Scott Campbell
Phone: (757) 373-7151 Fax:
MCS Job #: 24-0255 Customer PO:

BULK Chain of Custody Form

(use separate form for each matrix)

Job Location: 35th Street 701B Apt

- Building Material
Paint
Soil
Other

Requested Turnaround Time (markup)

- Same Day (100%)
1-Day (75%)
2-Day (50%)
3-Day (25%)
4-Day (12.5%)
5-Day (standard)

RESULTS DUE BY:

ANALYSIS: PLM

MCS Use Only
Special Instructions:
MCS Project Manager:
DO NOT MAIL Give Report To:
Email: @
MCS Lab Report No.
Samples Acceptable to Lab Yes No By
Date If "No" Reason

Table with 4 columns: Field ID, Sample Location, Sample Description, MCS Sample No.
Rows include: VOIS-21 Exterior North White Stucco 0142388-021, VOIS-22 Exterior East White Stucco 0142388-022, VOIS-23 Exterior South White Stucco 0142388-023, VOIS-24 Exterior Top Red Brick + Mortar 0142388-024, VOIS-25 Exterior Middle Red Brick + Mortar 0142388-025, VOIS-26 Exterior Bottom Red Brick + Mortar 0142388-026, VOIS-27 Exterior North Gray Stucco + For Gray Transite + For 0142388-027, VOIS-28 Exterior East Gray Stucco + For Gray Transite + For 0142388-028, VOIS-29 Exterior South Gray Stucco + For Gray Transite + For 0142388-029, VOIS-30 Exterior North Concrete 0142388-030, VOIS-31 Exterior South Concrete 0142388-031

Eric Bresnan
Sampled by (Print)
Eric Bresnan
Transported by (Print)
Received by (Print)

Signature
Signature
Signature

02-27-24
Date/Time
02-27-24
Date/Time
02-27-24
Date/Time

OFFICE USE ONLY:

Verbal
Faxed
Copied
Emailed

Mailed Billing



Marine Chemist Service, Inc.

SECTION 6 Inspection Information



Marine Chemist Service, Inc.

Inspection Information

The survey contractor for the inspection of 35th Street, Apartment 701B, Newport News VA is:

**Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
www.MarineChemist.com**

The team leader responsible for quality control coordination of inspection and adherence to inspection protocol is:

**Patrick Studley - CIH
Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
PStudley@MarineChemist.com**

The AIHA and NVLAP Accredited laboratory selected to analyze the bulk samples for asbestos content by PLM, using the "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (Appendix A to Subpart F in 40 CFR Part 763) is:

**Marine Chemist Service, Inc.
Virginia Asbestos Analytical Laboratory License 3333 000004
11850 Tug Boat Lane
Newport News, Virginia 23606
(757) 873-0933**

The inspector who physically inspected the building and who have received EPA-Approved Training is:

**Eric Bresnan
Virginia Asbestos Inspector License 3303 04885
EBresnan@MarineChemist.com**

The Industrial Hygiene Inspector is employed by:

**Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606**



Marine Chemist Service, Inc.

SECTION 7 Credentials



Marine Chemist Service, Inc.

This Page May Be Removed Prior to Bid Submittal*

<u>ASBESTOS CONTAINING MATERIALS</u>	<u>QUANTITY</u>	<u>COST PER UNIT</u>	<u>REMOVAL COST</u>
Exterior Transite Shingles	Approx. 1600ft	\$5.00	\$800,000.00
Total	\$800,000.00		

*The abatement contractor may require a mobilization fee of approximately \$ 1,600.00 in addition to removal costs. Prices may vary depending on volume of abatement that needs to be accomplished, difficulty of set up requirement, work hours, work days and accessibility of materials.

The Board for Global EHS Credentialing (BGC)

through its vested authority, hereby confirms that

Patrick Gene Studley

has met all requirements of education, experience, and examination, and on-going maintenance set forth through the BGC's American Board of Industrial Hygiene® (ABIH®) credentialing division for re-certification in the Comprehensive Practice of Industrial Hygiene and is thereby conferred the credential of

Certified Industrial Hygienist® (CIH®)

The aforementioned individual is given all rights, privileges, and responsibilities as both a diplomate of the BGC and holder of the CIH credential, provided that the credential is not suspended or revoked, and it is renewed annually. Moreover, the holder must meet all recertification requirements, including the obligation to practice ethically as prescribed by the BGC.

Credential Number: 11321 CP
Award Date: May 31, 2017
Expiration Date: December 1, 2027



Thomas G. Grumbles, CIH, CPPS, FAIHA
Chair of the Board of Directors

Ulric K. Chung, MCS, PhD
Chief Executive Officer and Secretary



COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON
05-31-2024

NUMBER
3303004885

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE



ERIC BRESNAN
11850 TUG BOAT LN
NEWPORT NEWS, VA 23606



Dominick J. Meis
Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

DPOR COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

(DETACH HERE)

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE
NUMBER: 3303004885 EXPIRES: 05-31-2024

ERIC BRESNAN
11850 TUG BOAT LN
NEWPORT NEWS, VA 23606



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)

LICENSE PRIVILEGES AND INSTRUCTIONS

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The privileges of this license, certificate, or registration are hereby granted to the individual or business to operate in accordance with the terms of the license, certificate, or registration herein designated and the applicable statutes of the Commonwealth of Virginia and the regulations of the Board.

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COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

08-31-2024

NUMBER

3333000004

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS ANALYTICAL LABORATORY LICENSE
PCM PLM



MARINE CHEMIST SERVICE INC
11850 TUG BOAT LANE
NEWPORT NEWS, VA 23606-0000



Donna J. Miller
Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)



COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS ANALYTICAL LABORATORY LICENSE

PCM PLM

NUMBER: 3333000004 EXPIRES: 08-31-2024

MARINE CHEMIST SERVICE INC
11850 TUG BOAT LANE
NEWPORT NEWS, VA 23606-0000



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)

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INDIVIDUAL OR BUSINESS MAY
RESULT IN CRIMINAL
PROSECUTION UNDER THE
CODE OF VIRGINIA.
04/24/2024



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

Marine Chemist Service, Inc.

11850 Tug Boat Lane, Newport News, VA 23606

Laboratory ID: LAP-100551

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA LAP), LLC accreditation to the ISO/IEC 17025:2017 international standard, General Requirements for the Competence of Testing and Calibration Laboratories in the following:

LABORATORY ACCREDITATION PROGRAMS

<input checked="" type="checkbox"/>	INDUSTRIAL HYGIENE	Accreditation Expires: March 01, 2025
<input checked="" type="checkbox"/>	ENVIRONMENTAL LEAD	Accreditation Expires: March 01, 2025
<input checked="" type="checkbox"/>	ENVIRONMENTAL MICROBIOLOGY	Accreditation Expires: March 01, 2025
<input type="checkbox"/>	FOOD	Accreditation Expires:
<input type="checkbox"/>	UNIQUE SCOPES	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2017 and AIHA LAP, LLC requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Cheryl O Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision20: 06/07/2022

Date Issued: 03/01/2023



**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF GENERAL SERVICES
DIVISION OF CONSOLIDATED LABORATORY SERVICES**



Certifies that

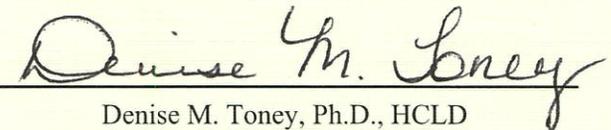
**VA Laboratory ID#: 460257
Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, VA 23606**

Owner: ROBERT WALKER JR.
Responsible Official: CHARLES G. WALKER

Having met the requirements of 1 VAC 30-46 and
having been found compliant with the 2016 TNI Standard approved by The NELAC Institute
is hereby approved as an
Accredited Environmental Laboratory

As more fully described in the attached Scope of Accreditation

Effective Date: **December 15, 2023**
Expiration Date: **December 14, 2024**
Certificate # 12711



Denise M. Toney, Ph.D., HCLD
DGS Deputy Director for Laboratories

Continued accreditation status depends on successful ongoing participation in the program.
Certificate to be conspicuously displayed at the laboratory.
Not valid unless accompanied by a valid Virginia Environmental Laboratory Accreditation Program (VELAP)
Scope of Accreditation.

Customers are urged to verify the laboratory's current accreditation status.

VIA Design Architects, PC-Asbestos Inspection Report
MCS JOB# 24-025S-35th Street Apartment 701B
Certificate Not Transferable
Newport News VA

**LIMITED ASBESTOS INSPECTION REPORT
OF
35th STREET, APARTMENT 728 NEWPORT
NEWS, VA
MCS JOB # 24-026S**



Marine Chemist Service, Inc.
11850 Tug Boat Lane, Newport News, VA 23606-2527
Phone: (757) 873-0933 · Norfolk (757) 640-1122
Fax: (757) 873-1074 · Norfolk (757) 625-5696
www.MarineChemist.com



Marine Chemist Service, Inc.

Limited Asbestos Inspection Report

of

**35th Street, Apartment 728
Newport News, VA**

on

February 26, 2024

Prepared for:

**Scott Campbell
VIA Design Architects, PC
319 Plume Street
Norfolk, VA 23510**

By

**Eric Bresnan
Virginia Asbestos Inspector License 3303004885
Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
(757) 873-0933**

April 26, 2024

Date

Eric Bresnan

Inspector Signature



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SECTION 1 -----Asbestos Inspection Report

SECTION 2 -----Sample Summary Table

SECTION 3 -----General Legend and Notes

SECTION 4 -----Survey Sample Location Sketches

SECTION 5 -----Report of Analysis

SECTION 6 -----Inspection Information

SECTION 7 -----Credentials



Marine Chemist Service, Inc.

SECTION 1

Asbestos Inspection Report



LIMITED ASBESTOS INSPECTION OF 35th STREET, APARTMENT 728 NEWPORT NEWS, VIRGINIA

INTRODUCTION

Background and Purpose

There has been a growing public awareness of the link between the inhalation of asbestos fibers and various diseases such as asbestosis, mesothelioma, lung, and other cancers. As a result, the Asbestos Hazard Emergency Response Act (AHERA 40 CFR Part 763) for schools grades K through 12 was established by EPA.

The necessary components of an AHERA inspection require the accredited inspector to visually inspect and assess the condition of all known or assumed friable asbestos containing building materials (ACBM); to visually inspect non - friable ACBM and touch it to determine friability, and to identify homogeneous areas of friable materials.

EPA's National Emission Standards for Hazardous Air Pollutants (NESHAPS) require thorough inspections for asbestos in structures before the renovation or demolition of those structures.

Virginia law requires that if the initial building permit was issued prior to January 1, 1985, an asbestos inspection must be performed prior to the local authorities issuing a building permit.

In order to comply with NESHAPS, buildings to be renovated or demolished must be thoroughly inspected for asbestos containing building materials. Marine Chemist Service, Inc. follows the AHERA sampling protocol for interior surveys and the Virginia standard for roof surveys.

The purpose of this survey was to provide information for this property concerning the location and type of accessible and/or visible asbestos containing materials prior to renovation.

In compliance with Virginia Regulations, Marine Chemist Service Inc. performed a limited asbestos inspection of 35th Street, Apartment 728, located in Newport News, VA on February 26, 2024.



General Information

Marine Chemist Service, Inc. was hired by Scott Campbell of VIA Design Architects on February 20, 2024, to conduct asbestos bulk sampling for suspect asbestos-containing building materials of 35th Street, Apartment 728, located in Newport News, VA.

Authorization

Authorization to perform this testing was provided in the form of a phone call notice to proceed by Scott Campbell of VIA Design Architects on February 20, 2024. The building was unoccupied at the time of the inspection.

Warranty

This visual inspection and laboratory report has been prepared in accordance with AHERA and Virginia requirements and current accepted professional practices. A minimum number of bulk asbestos samples were collected to determine the presence or absence of asbestos. This inspection has been performed to provide the client with information concerning the presence of accessible and/or exposed suspect asbestos containing building materials. Destructive testing was not performed. This inspection documents conditions at the time of the inspection only. No other warranties are implied or expressed.



SURVEY METHODS

Inspection Methods

The asbestos survey was performed by a Virginia licensed asbestos inspector. A visual walk through inspection was performed to identify suspect asbestos containing materials and homogeneous areas.

Sampling Methods

The Virginia licensed asbestos inspector sampled the identified suspect materials within the homogeneous areas following the visual inspection. Sampling was not performed on any inaccessible materials and did not involve destructive testing of building components. Sample locations were selected randomly.

LABORATORY METHODS

Analysis Methods

The bulk sample was first visually observed and described. The sample was mounted onto a slide, covered with dispersion staining oil and a cover slip, and observed under a polarized light microscope (PLM). The asbestos and non-asbestos materials in the sample are identified by this method.

The PLM microscopist estimates the amounts of asbestos and non-asbestos components by determining visually the relative volume of each to the total volume of the sample.



ASBESTOS INSPECTION

Document Review and On-Site Survey

Blueprints were not provided for the inspection. A sketch was generated to indicate sample/asbestos material locations.

Identification of Suspect Asbestos Containing Materials

A visual inspection was performed on the suspect asbestos containing material found in the survey areas. The suspect asbestos containing materials are as follows:

1. 12"x12" Brown and Tan Floortile
2. White Drywall and Plaster
3. White Texture Ceiling
4. White Door Caulking
5. White Window Caulking
6. White Sink Caulking
7. Stair Mastic
8. 12"x12" Brown Floortile
9. HVAC Insulation
10. Gray Shingles and Tar
11. Concrete
12. White Stucco



Bulk Sampling

Bulk sampling was performed on all suspect asbestos-containing materials found in the areas and the minimum number of samples were taken as required in the AHERA Standards.

Bulk samples were taken penetrating all layers of the material. The samples were at least one cubic centimeter and were placed in a sealed container at the time of collection. All precautions were taken to prevent exposure to those present in or around the facility during the collection of samples. All sampling locations were patched with an encapsulant after the sampling was complete.

Samples listed below are grouped into homogeneous areas. Homogeneous areas are areas, which are uniform by color, texture, construction/application date, and general appearance.

Some sample results in the % asbestos column may be displayed in this report with a slash between two numbers, (#/#). The first number represents the first material listed under the material location/description and the second number represents the second material listed.

When N/A is placed in the friable category it means the sample tested negative - (0) or less than one percent - ($\leq 1\%$) for asbestos and the friable description does not apply.

Samples were analyzed utilizing Polarized Light Microscopy (PLM) with dispersion staining by a NVLAP accredited laboratory (Marine Chemist Service, Inc. NVLAP Lab Code 200628-0). The results are in section 5.



Marine Chemist Service, Inc.

SECTION 2

Sample Summary Table

**Apartment 728
35th Street
Newport News, VA 23607**

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
V285-1	0142374-001	1st Floor Living Room Northeast Corner, 12" Floor Tile Aggregate: Brown Floor Tile, Yellow/Clear Mastic, Tan Floor Tile, Brown Mastic	0/0/0/0	N/A
V285-2	0142374-002	1st Floor Kitchen Northeast Corner, 12" Floor Tile Aggregate: Brown Floor Tile, Yellow/Clear Mastic, Tan Floor Tile, Brown Mastic	0/0/0/0	N/A
V285-3	0142374-003	1st Floor Kitchen Southeast Corner, 12" Floor Tile Aggregate: Brown Floor Tile, Yellow/Clear Mastic, Tan Floor Tile, Brown Mastic	0/0/0/0	N/A
V285-4	0142374-004	1st Floor Kitchen North Wall, Drywall, Plaster: White Texture, Off-White Drywall, White Plaster Skim Coat, Gray Plaster Base Coat	0/0/0/0	N/A
V285-5	0142374-005	1st Floor Living Room Northwest Corner Wall, Drywall, Plaster: White Texture, Off-White Drywall, White Plaster Skim Coat, Gray Plaster Base Coat	0/0/0/0	N/A
V285-6	0142374-006	1st Floor Living Room Southwest Corner Wall, Drywall, Plaster: White Texture, Off-White Drywall	0/0	N/A
V285-7	0142374-007	1st Floor Living Room Northeast Corner, Texture Ceiling: White Textured Ceiling	0	N/A
V285-8	0142374-008	1st Floor Living Room South Center, Texture Ceiling: White Textured Ceiling	0	N/A
V285-9	0142374-009	1st Floor Kitchen Center, Textured Ceiling: White Textured Ceiling	0	N/A
V285-10	0142374-010	1st Floor Living Room HVAC Closet Door, Caulk: White Caulk	0	N/A
V285-11	0142374-011	1st Floor Kitchen Water Heater Closet Door, Caulking: White Caulk	0	N/A
V285-12	0142374-012	1st Floor Living Room West Window, Caulking: White Caulk	0	N/A
V285-13	0142374-013	1st Floor Kitchen East Window, Caulking: White Caulk	0	N/A
V285-14	0142374-014	2nd Floor Bedroom 1 Center, 12" Floor Tile Aggregate: Brown Floor Tile, Yellow/Clear Mastic, Tan Floor Tile, Brown Mastic	0/0/0/0	N/A
V285-15	0142374-015	2nd Floor Bedroom 2 Center, 12" Floor Tile Aggregate: Brown Floor Tile, Yellow/Clear Mastic, Tan Floor Tile, Brown Mastic	0/0/0/0	N/A

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
V285-16	0142374-016	2nd Floor Bedroom 3 Center, 12" Floor Tile Aggregate: Brown Floor Tile, Yellow/Clear Mastic, Tan Floor Tile, Brown Mastic	0/0/0/0	N/A
V285-17	0142374-017	2nd Floor Bedroom 1 South Wall, Drywall, Plaster: White Texter, Off-White Drywall, White Plaster Skim Coat, Gray Plaster Base Coat	0/0/0/0	N/A
V285-18	0142374-018	2nd Floor Bedroom 2 South Wall, Drywall, Plaster: White Texter, Off-White Drywall, White Plaster Skim Coat, Gray Plaster Base Coat	0/0/0/0	N/A
V285-19	0142374-019	2nd Floor Bedroom 3 West Wall, Drywall, Plaster: White Texter, Off-White Drywall, White Plaster Skim Coat, Gray Plaster Base Coat	0/0/0/0	N/A
V285-20	0142374-020	2nd Floor Small Window Bathroom, Caulking: White Caulk, White/Tan Caulk	0/0	N/A
V285-21	0142374-021	2nd Floor Bedroom 1 Northeast Corner, Texture Ceiling: White Textured Ceiling	0	N/A
V285-22	0142374-022	2nd Floor Bedroom 2 North Center, Textured Ceiling: White Textured Ceiling	0	N/A
V285-23	0142374-023	2nd Floor Bedroom 3 Southeast Corner, Textured Ceiling: White Textured Ceiling	0	N/A
V285-24	0142374-024	2nd Floor Bedroom 1 East Door, Caulking: White Caulk	0	N/A
V285-25	0142374-025	2nd Floor Bedroom 2 East Door, Caulking: White Caulk	0	N/A
V285-26	0142374-026	2nd Floor Bedroom 1 West Window, Caulking: White Caulk	0	N/A
V285-27	0142374-027	2nd Floor Bedroom 3 East Window, Caulking: White Caulk	0	N/A
V285-28	0142374-028	2nd Floor Bathroom Sink, Caulking: White Caulk	0	N/A
V285-29	0142374-029	2nd Floor Bathroom Sink, Caulking: White Caulk	0	N/A
V285-30	0142374-030	Top Stairs, Mastic: Black Stairs, Brown/Tan Mastic	0/0	N/A
V285-31	0142374-031	Middle Stairs, Mastic: Black Stairs, Brown/Tan Mastic	0/0	N/A
V285-32	0142374-032	Bottom Stairs, Mastic: Brown/Tan Mastic	0	N/A
V285-33	0142374-033	2nd Floor Bathroom Patch, 12" Floor Tile Aggregate: Yellow/Clear Surface Mastic, Brown Floor Tile, Brown Mastic	0/0/0	N/A
V285-34	0142374-034	2nd Floor Bedroom 2 East Closet, HVAC Insulation: Pink Insulation	0	N/A
V285-35	0142374-035	2nd Floor Bedroom 2 East Closet, HVAC Insulation: Pink Insulation	0	N/A
V285-36	0142374-036	1st Floor Living Room HVAC Closet, HVAC Insulation: Yellow Insulation	0	N/A
V285-37	0142374-037	1st Floor Kitchen Water Heater Closet, HVAC Insulation: Yellow Insulation	0	N/A

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
V285-38	0142374-038	Exterior South, Shingle, Tar: Gray/Black Shingle Type 1, Brown/Black Shingle Type 2, Black Tar Paper	0/0/0	N/A
V285-39	0142374-039	Exterior East, Shingle, Tar: Gray/Black Shingle Type 1, Brown/Black Shingle Type 2, Black Tar Paper	0/0/0	N/A
V285-40	0142374-040	Exterior West, Shingle, Tar: Gray/Black Shingle Type 1, Brown/Black Shingle Type 2, Black Tar Paper	0/0/0	N/A
V285-41	0142374-041	Exterior East, Concrete: Gray Concrete	0	N/A
V285-42	0142374-042	Exterior West, Concrete: Gray Concrete	0	N/A
V285-43	0142374-043	Exterior South, Stucco: White Stucco, Gray Stucco	0/0	N/A
V285-44	0142374-044	Exterior East, Stucco: White Stucco, Gray Stucco	0/0	N/A
V285-45	0142374-045	Exterior West, Stucco: White Stucco, Gray Stucco	0/0	N/A



Comments

1. None of the sampled materials tested positive for asbestos.
2. When any layer of flooring tests positive for asbestos (floor tile, linoleum, or adhesive/mastic), all adhered layers are considered as 1 homogeneous material that cannot be separated and must be removed as one material during abatement removal operations.
3. Asbestos might be found within walls, ceiling and or pipe chases during the renovation or demolition of the building. If any suspect materials are found, they should treated as asbestos or tested for asbestos.



Marine Chemist Service, Inc.

SECTION 3

General Legend and Notes



GENERAL LEGEND

O - Sample number/location - non-asbestos

△ - Sample number/location - contains asbestos

GENERAL NOTES

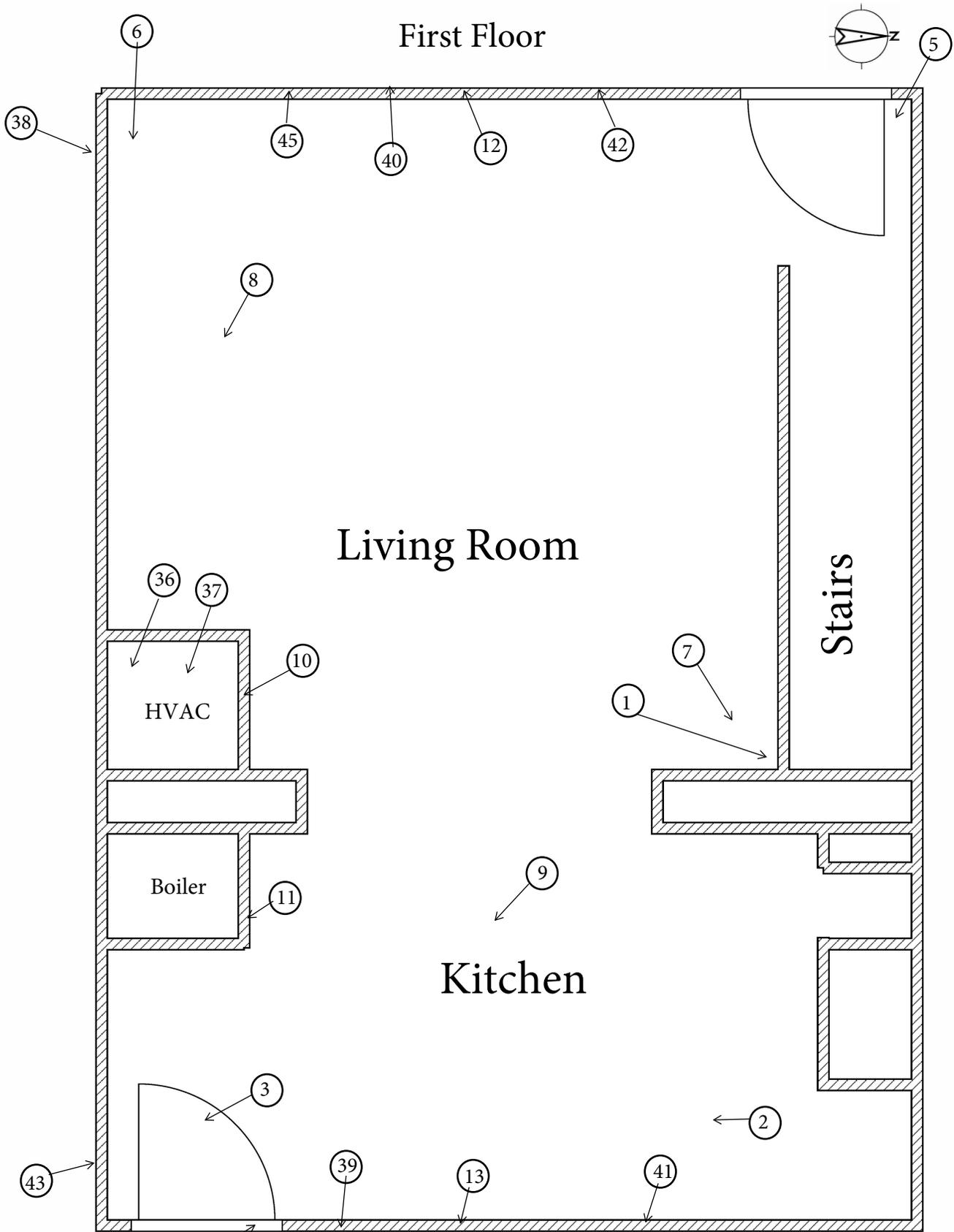
1. The EPA definition of a friable material is one that contains more than 1% asbestos by weight and can be crumbled, pulverized or reduced to a powder by hand pressure when dry, or which under normal use or maintenance emits or can be expected to emit asbestos fibers into the air.
2. All quantities are approximate.
3. Sketches are not to scale.



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SECTION 4

Survey Sample Location Sketches



First Floor

Living Room

Stairs

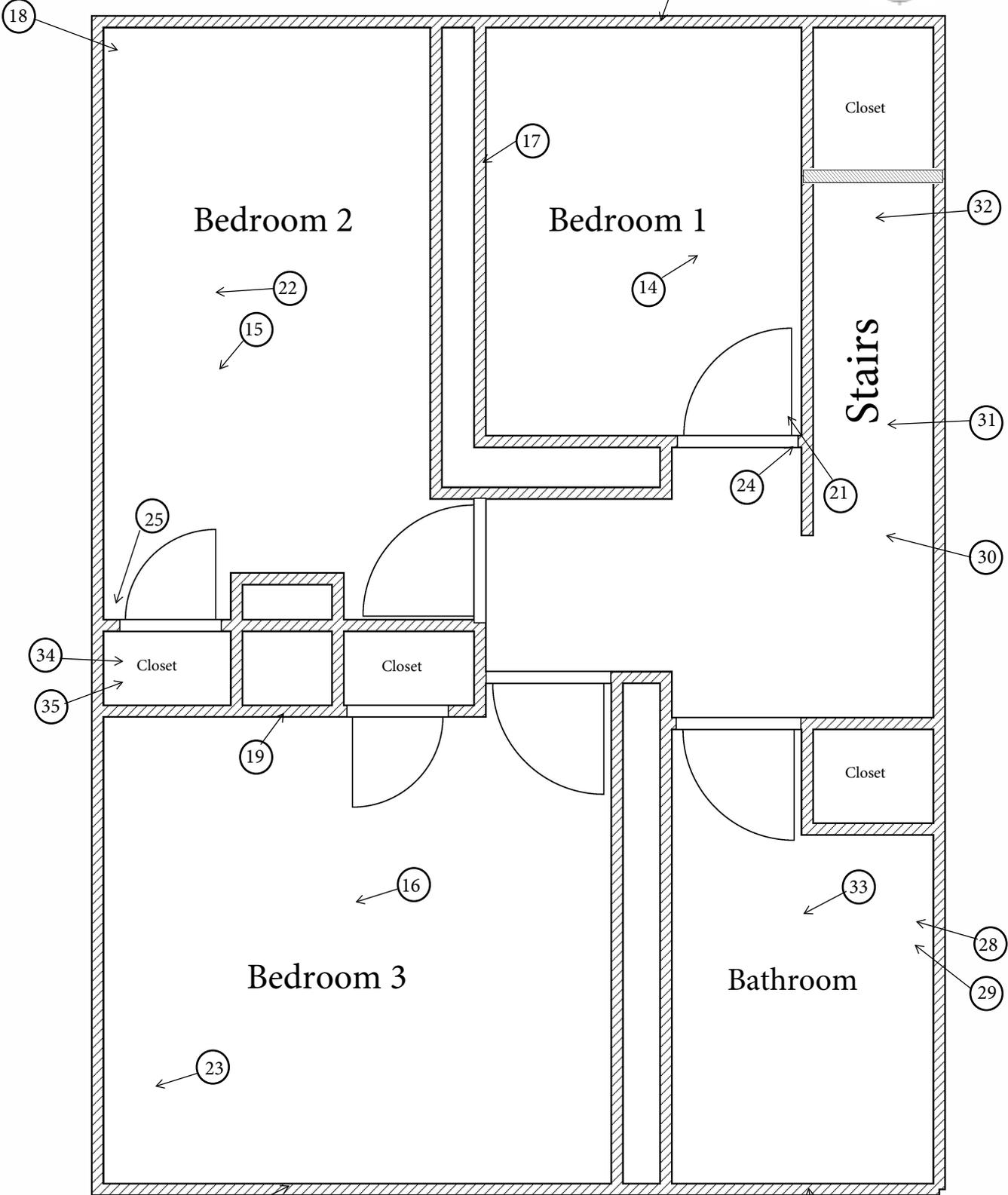
HVAC

Boiler

Kitchen

35th Street, Apartment 728
Newport News, Virginia

Second Floor



35th Street, Apartment 728
Newport News, Virginia



Marine Chemist Service, Inc.

SECTION 5 Reports of Analysis



Marine Chemist Service, Inc.
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 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142374
Report Date: 04/01/2024
MCS Job No.: 24-026S
Customer PO No.:

Date Sampled: 02/26/2024
Sampled By: Eric Bresnan
Job Location: 35th Street Apt 728

Date Received: 02/26/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142374-001 V285-1	1st Floor Living Room Northeast Corner, 12" FTA					
	Floor Tile, Brown	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow, Clear	LAYER 2	None Detected		Non-Fibrous Material	100%
	Floor Tile, Tan	LAYER 3	None Detected		Non-Fibrous Material	100%
	Mastic, Brown	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142374-002 V285-2	1st Floor Kitchen Northeast Corner, 12" FTA					
	Floor Tile, Brown	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow, Clear	LAYER 2	None Detected		Non-Fibrous Material	100%
	Floor Tile, Tan	LAYER 3	None Detected		Non-Fibrous Material	100%
	Mastic, Brown	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142374-003 V285-3	1st Floor Kitchen Southwest Corner, 12" FTA Floor Tile, Brown	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow, Clear	LAYER 2	None Detected		Non-Fibrous Material	100%
	Floor Tile, Tan	LAYER 3	None Detected		Non-Fibrous Material	100%
	Mastic, Brown	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142374-004 V285-4	1st Floor Kitchen North Wall, Drywall, Plaster Texture, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Drywall, Off-white	LAYER 2	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
	Plaster Skim Coat, White	LAYER 3	None Detected		Non-Fibrous Material	100%
	Plaster Base Coat, Gray	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142374-005 V285-5	1st Floor Living Room Northwest Corner Wall, Drywall, Plaster Texture, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Drywall, Off-white	LAYER 2	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
	Plaster Skim Coat, White	LAYER 3	None Detected		Non-Fibrous Material	100%
	Plaster Base Coat, Gray	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142374-006 V285-6	1st Floor Living Room Southwest Corner Wall, Drywall, Plaster Texture, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Drywall, Off-white	LAYER 2	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
No plaster system present.						
Asbestos Present: No						



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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142374-007 V285-7	1st Floor Living Room Northeast Corner, Texture Ceiling Textured Ceiling, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142374-008 V285-8	1st Floor Living Room South Center, Texture Ceiling Textured Ceiling, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142374-009 V285-9	1st Floor Kitchen Center, Textured Ceiling Texture Ceiling, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142374-010 V285-10	1st Floor Living Room HVAC Closet Door, Caulk Caulk, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142374-011 V285-11	1st Floor Kitchen Water Heater Closet Door, Caulking Caulk, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142374-012 V285-12	1st Floor Living Room West Window, Caulking Caulk, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142374-013 V285-13	1st Floor Kitchen East Window, Caulking Caulk, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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MCS Job No.: 24-026S
Customer PO No.:

Date Sampled: 02/26/2024
Sampled By: Eric Bresnan
Job Location: 35th Street Apt 728

Date Received: 02/26/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142374-014 V285-14	2nd Floor Bedroom 1 Center, 12" FTA Floor Tile, Brown	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow, Clear	LAYER 2	None Detected		Non-Fibrous Material	100%
	Floor Tile, Tan	LAYER 3	None Detected		Non-Fibrous Material	100%
	Mastic, Brown	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142374-015 V285-15	2nd Floor Bedroom 2 Center, 12" FTA Floor Tile, Brown	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow, Clear	LAYER 2	None Detected		Non-Fibrous Material	100%
	Floor Tile, Tan	LAYER 3	None Detected		Non-Fibrous Material	100%
	Mastic, Brown	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142374-016 V285-16	2nd Floor Bedroom 3 Center, 12" FTA Floor Tile, Brown	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow, Clear	LAYER 2	None Detected		Non-Fibrous Material	100%
	Floor Tile, Tan	LAYER 3	None Detected		Non-Fibrous Material	100%
	Mastic, Brown	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present:		No				



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142374-017 V285-17	2nd Floor Bedroom 1 South Wall, Drywall, Plaster					
	Texture, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Drywall, Off-white	LAYER 2	None Detected		Cellulose Fiber	10%
					Non-Fibrous Material	90%
	Plaster Skim Coat, White	LAYER 3	None Detected		Non-Fibrous Material	100%
	Plaster Base Coat, Gray	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142374-018 V285-18	2nd Floor Bedroom 2 South Wall, Drywall, Plaster Texture, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Drywall, Off-white	LAYER 2	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
	Plaster Skim Coat, White	LAYER 3	None Detected		Non-Fibrous Material	100%
	Plaster Base Coat, Gray	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142374-019 V285-19	2nd Floor Bedroom 3 West Wall, Drywall, Plaster					
	Texture, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Drywall, Off-white	LAYER 2	None Detected		Cellulose Fiber	10%
					Non-Fibrous Material	90%
	Plaster Skim Coat, White	LAYER 3	None Detected		Non-Fibrous Material	100%
	Plaster Base Coat, Gray	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142374-020 V285-20	2nd Floor Small Window Bathroom, Caulking					
	Caulk, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Caulk, White, Tan	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	Non-Asbestos Components	(%)	(%)
0142374-021 V285-21	2nd Floor Bedroom 1 Northeast Corner, Texture Ceiling Textured Ceiling, White	LAYER 1	None Detected	Non-Fibrous Material		100%
Asbestos Present: No						
0142374-022 V285-22	2nd Floor Bedroom 2 North Center, Texture Ceiling Textured Ceiling, White	LAYER 1	None Detected	Non-Fibrous Material		100%
Asbestos Present: No						
0142374-023 V285-23	2nd Floor Bedroom 3 Southeast Corner, Texture Ceiling Textured Ceiling, White	LAYER 1	None Detected	Non-Fibrous Material		100%
Asbestos Present: No						
0142374-024 V285-24	2nd Floor Bedroom 1 East Door, Caulking Caulk, White	LAYER 1	None Detected	Non-Fibrous Material		100%
Asbestos Present: No						



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		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	Non-Asbestos Components	(%)	(%)
0142374-025 V285-25	2nd Floor Bedroom 2 East Door, Caulking Caulk, White	LAYER 1	None Detected	Non-Fibrous Material		100%
Asbestos Present: No						
0142374-026 V285-26	2nd Floor Bedroom 1 West Window, Caulking Caulk, White	LAYER 1	None Detected	Non-Fibrous Material		100%
Asbestos Present: No						
0142374-027 V285-27	2nd Floor Bedroom 3 East Window, Caulking Caulk, White	LAYER 1	None Detected	Non-Fibrous Material		100%
Asbestos Present: No						
0142374-028 V285-28	2nd Floor Bathroom Sink, Caulking Caulk, White	LAYER 1	None Detected	Non-Fibrous Material		100%
Asbestos Present: No						



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	Non-Asbestos Components	(%)	(%)
0142374-029 V285-29	2nd Floor Bathroom Sink, Caulking Caulk, White	LAYER 1	None Detected	Non-Fibrous Material		100%
Asbestos Present: No						
0142374-030 V285-30	Top Stairs, Mastic Stairs, Black	LAYER 1	None Detected	Cellulose Fiber Non-Fibrous Material		30% 70%
	Mastic, Brown, Tan	LAYER 2	None Detected	Cellulose Fiber Non-Fibrous Material		3% 97%
Asbestos Present: No						
0142374-031 V285-31	Middle Stairs, Mastic Stairs, Black	LAYER 1	None Detected	Cellulose Fiber Non-Fibrous Material		30% 70%
	Mastic, Brown, Tan	LAYER 2	None Detected	Cellulose Fiber Non-Fibrous Material		3% 97%
Asbestos Present: No						
0142374-032 V285-32	Bottom Stairs, Mastic Mastic, Brown, Tan	LAYER 1	None Detected	Cellulose Fiber Non-Fibrous Material		3% 97%
No stairs present.						
Asbestos Present: No						



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		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
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MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142374-033 V285-33	2nd Floor Bathroom Patch, 12" FTA	LAYER 1	None Detected		Non-Fibrous Material	100%
	Surface Mastic, Yellow, Clear					
	Floor Tile, Brown				LAYER 2	None Detected
	Mastic, Brown	LAYER 3	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142374-034 V285-34	2nd Floor Bedroom 2 East Closet, HVAC	LAYER 1	None Detected		Cellulose Fiber	10%
	Insulation					
	Insulation, Pink				Non-Fibrous Material	10%
Asbestos Present: No						
0142374-035 V285-35	2nd Floor Bedroom 2 East Closet, HVAC	LAYER 1	None Detected		Cellulose Fiber	10%
	Insulation					
	Insulation, Pink				Non-Fibrous Material	10%
Asbestos Present: No						



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MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	Non-Asbestos Components	(%)	(%)
0142374-036 V285-36	1st Floor Living Room HVAC Closet, HVAC Insulation Insulation, Yellow	LAYER 1	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% 80% 10%	
Asbestos Present: No						
0142374-037 V285-37	1st Floor Kitchen Water Heater Closet, HVAC Insulation Insulation, Yellow	LAYER 1	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% 80% 10%	
Asbestos Present: No						
0142374-038 V285-38	Exterior South, Shingle, Tar Shingle Type 1, Gray, Black	LAYER 1	None Detected	Fibrous Glass Non-Fibrous Material	20% 80%	
	Shingle Type 2, Brown, Black	LAYER 2	None Detected	Fibrous Glass Non-Fibrous Material	20% 80%	
	Tar Paper, Black	LAYER 3	None Detected	Cellulose Fiber Non-Fibrous Material	75% 25%	
Asbestos Present: No						



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MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142374-039 V285-39	Exterior East, Shingle, Tar Shingle Type 1, Gray, Black	LAYER 1	None Detected		Fibrous Glass Non-Fibrous Material	20% 80%
	Shingle Type 2, Brown, Black	LAYER 2	None Detected		Fibrous Glass Non-Fibrous Material	20% 80%
	Tar Paper, Black	LAYER 3	None Detected		Cellulose Fiber Non-Fibrous Material	75% 25%
Asbestos Present: No						
0142374-040 V285-40	Exterior West, Shingle, Tar Shingle Type 1, Gray, Black	LAYER 1	None Detected		Fibrous Glass Non-Fibrous Material	20% 80%
	Shingle Type 2, Brown, Black	LAYER 2	None Detected		Fibrous Glass Non-Fibrous Material	20% 80%
	Tar Paper, Black	LAYER 3	None Detected		Cellulose Fiber Non-Fibrous Material	75% 25%
Asbestos Present: No						
0142374-041 V285-41	Exterior East, Concrete Concrete, Gray	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142374
Report Date: 04/01/2024
MCS Job No.: 24-026S
Customer PO No.:

Date Sampled: 02/26/2024
Sampled By: Eric Bresnan
Job Location: 35th Street Apt 728

Date Received: 02/26/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142374-042 V285-42	Exterior West, Concrete Concrete, Gray	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142374-043 V285-43	Exterior South, Stucco Stucco, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Stucco, Gray	LAYER 2	None Detected		Fibrous Glass Non-Fibrous Material	2% 98%
Asbestos Present: No						
0142374-044 V285-44	Exterior East, Stucco Stucco, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Stucco, Gray	LAYER 2	None Detected		Fibrous Glass Non-Fibrous Material	2% 98%
Asbestos Present: No						



Marine Chemist Service, Inc.
 11850 TUG BOAT LANE
 NEWPORT NEWS, VA 23606-2527
 TEL: (757) 873-0933 · NORFOLK (757) 640-1122
 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142374
Report Date: 04/01/2024
MCS Job No.: 24-026S
Customer PO No.:

Date Sampled: 02/26/2024
Sampled By: Eric Bresnan
Job Location: 35th Street Apt 728

Date Received: 02/26/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142374-045 V285-45	Exterior West, Stucco					
	Stucco, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Stucco, Gray	LAYER 2	None Detected		Fibrous Glass	2%
					Non-Fibrous Material	98%

Asbestos Present: No

Analysis performed at Eurofins CEI, Inc. Cary, NC (NVLAP Lab ID: 101768-0). Lab Code B245453.


 Approved Signatory - Mary Helen Scott
 Laboratory Supervisor

Method Detection Limit: = <1%

- * Fiber concentrations were determined by visually estimating the area percentage for each type.
- * Asbestos fibers may not be detected by PLM in certain samples because of their size (<5um) or being bound with non-friable organic matrix. In such cases an alternative method of analysis may be necessary.
- * Analyzed only readily discernable layers.
- * All laboratory test results meet the applicable quality control requirements unless otherwise mentioned.
- * MCS, Inc. can not attest to nor be held responsible for the proper collection of samples and/or accuracy of the sample information provided by customers for samples not collected by MCS, Inc.
- * Test report relates only to the items tested.
- * The samples will be stored at the MCS, Inc. laboratory for a period of thirty days after the analysis. At the end of the period, it will be our policy to dispose of the samples unless prior arrangements have been made for a longer storage period.
- * This report shall not be reproduced, except in full, without the written approval of this laboratory.
- * The Report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government.
- * The Report includes Chain of Custody.



Marine Chemist Service, Inc.

11850 Tug Boat Lane • Newport News, VA 23606

(757) 873-0933 • (757) 873-1074 (fax)

www.MarineChemist.com

Customer: VIA Design LLC

Address: 319 Plume Street Norfolk VA 23510

Contact: Scott Campbell

Phone: 757-376-7151 Fax: _____

Email: Scampbell@via Design Architects.com

MCS Job #: 24-0265 Customer PO: _____

Job Location: 35th Street Apt 728

BULK Chain of Custody Form

(use separate form for each matrix)

- Building Material
Paint
Soil
Other

Requested Turnaround Time (markup)

- Same Day (100%)
1-Day (75%)
2-Day (50%)
3-Day (25%)
4-Day (12.5%)
5-Day (standard)

RESULTS DUE BY: 03/04/24

ANALYSIS: PLM

MCS Use Only

Project Manager _____

Special Instructions _____

DO NOT MAIL Give Report To: _____

MCS Lab Report No. 0142374 CAM 2/26/24

Samples Acceptable to Lab Yes No By _____

Date If "No" Reason _____

Table with 4 columns: Field ID, Sample Location, Sample Description, MCS Sample No. Contains 20 rows of sample data.

Eric Bresman
Sampled by (Print)

Signature
Date/Time 02-26-24

Eric Bresman
Transported by (Print)

Signature
Date/Time 02-26-24

Carlos Mendoza
Received by (Print)

Signature
Date/Time 2/26/24 3:30

OFFICE USE ONLY:

Mailed Billing

Verbal

Faxed

Copied

Emailed

(date and initial above areas)



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Customer: VIA Design LLC

Address: 319 Plum Street Norfolk VA 23510

Contact: Scott Campbell

Phone: (757) 376-7151 Fax: _____

Email: Scampbell@via Design Architects.com

MCS Job #: 24-0265 Customer PO: _____

Job Location: 35th Street Apt 728

BULK Chain of Custody Form

(use separate form for each matrix)

- Building Material
- Paint
- Soil
- Other _____

Requested Turnaround Time (markup)

- Same Day (100%)
- 1-Day (75%)
- 2-Day (50%)
- 3-Day (25%)
- 4-Day (12.5%)
- 5-Day (standard)

RESULTS DUE BY: 3/4/24

ANALYSIS: PLM

MCS Use Only

Project Manager _____

Special Instructions _____

DO NOT MAIL Give Report To: _____

MCS Lab Report No. 0142374 CAM 2/26/24

Samples Acceptable to Lab Yes No By _____

Date _____ If "No" Reason _____

Field ID	Sample Location	Sample Description	MCS Sample No.
<i>example</i>	<i>room or area</i>	<i>size / color / material</i>	<i>lab use only</i>
V285-21	2 nd Floor Bedroom 1 North East Corner	White Texture Ceiling	0142374-021
V285-22	2 nd Floor Bedroom 2 North Center	White Texture Ceiling	0142374-022
V285-23	2 nd Floor Bedroom 3 South East Corner	White Texture Ceiling	0142374-023
V285-24	2 nd Floor Bedroom 1 East Door	White Door Caulking	0142374-024
V285-25	2 nd Floor Bedroom 2 East Door	White Door Caulking	0142374-025
V285-26	2 nd Floor Bedroom 1 West Window	White Window Caulking	0142374-026
V285-27	2 nd Floor Bedroom 3 East Window	White Window Caulking	0142374-027
V285-28	2 nd Floor Bathroom Sink	White Sink Caulking	0142374-028
V285-29	2 nd Floor Bathroom Sink	White Sink Caulking	0142374-029
V285-30	Top Stairs	Black Stairs Mastic	0142374-030
V285-31	Middle Stairs	Black Stairs Mastic	0142374-031
V285-32	Bottom Stairs	Black Stairs Mastic	0142374-032
V285-33	2 nd Floor Bathroom Patch	12" Brown FTA	0142374-033
V285-34	2 nd Floor Bedroom 2 East closet	HVAC Insulation	0142374-034
V285-35	2 nd Floor Bedroom 2 East closet	HVAC Insulation	0142374-035
V285-36	1 st Floor Living Room HVAC closet	HVAC Insulation	0142374-036
V285-37	1 st Floor Kitchen Water Heater closet	HVAC Insulation	0142374-037
V285-38	Exterior South	Gray Shingle + ter	0142374-038
V285-39	Exterior East	Gray Shingle + ter	0142374-039
V285-40	Exterior West	Gray Shingle + ter	0142374-040

Eric Bresnan
Sampled by (Print)

EBresnan
Signature

02-26-24
Date/Time

OFFICE USE ONLY:
Mailed Billing

Eric Bresnan
Transported by (Print)

EBresnan
Signature

02-26-24
Date/Time

Verbal _____

Carlos Mendoza
Received by (Print)

[Signature]
Signature

2/26/24
Date/Time

Faxed _____

Copied _____

Emailed _____

(date and initial above areas)



Marine Chemist Service, Inc.

11850 Tug Boat Lane • Newport News, VA 23606

(757) 873-0933 • (757) 873-1074 (fax)

www.MarineChemist.com

Customer: VIA Design LLC

Address: 319 Plum Street, Norfolk VA 23510

Contact: Scott Campbell

Phone: (757) 373-7151 Fax: _____

Email: Scampbell@via Design Architects.com

MCS Job #: 24-0265 Customer PO: _____

Job Location: 35th Street Apt 728

BULK Chain of Custody Form

(use separate form for each matrix)

Requested Turnaround Time (markup)

- Building Material, Paint, Soil, Other

- Same Day (100%), 1-Day (75%), 2-Day (50%), 3-Day (25%), 4-Day (12.5%), 5-Day (standard)

RESULTS DUE BY: 2/4/24

ANALYSIS: PLM

MCS Use Only

Project Manager _____

Special Instructions _____

DO NOT MAIL Give Report To: _____

MCS Lab Report No. 0142374 CAM 2/26/24

Samples Acceptable to Lab Yes No By _____

Date _____ If "No" Reason _____

Table with 4 columns: Field ID, Sample Location, Sample Description, MCS Sample No. Includes handwritten entries for exterior samples.

Eric Bresnan, Sampled by (Print)

Signature of Eric Bresnan

02-26-24, Date/Time

Eric Bresnan, Transported by (Print)

Signature of Eric Bresnan

02-26-24, Date/Time

Carlos Mendoza, Received by (Print)

Signature of Carlos Mendoza

2/26/24 3:30, Date/Time

OFFICE USE ONLY:

Mailed Billing

Verbal

Faxed

Copied

Emailed

(date and initial above areas)



Marine Chemist Service, Inc.

SECTION 6 Inspection Information



Marine Chemist Service, Inc.

Inspection Information

The survey contractor for the inspection of 35th Street, Apartment 728, Newport News VA is:

**Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
www.MarineChemist.com**

The team leader responsible for quality control coordination of inspection and adherence to inspection protocol is:

**Patrick Studley - CIH
Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
PStudley@MarineChemist.com**

The AIHA and NVLAP Accredited laboratory selected to analyze the bulk samples for asbestos content by PLM, using the "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (Appendix A to Subpart F in 40 CFR Part 763) is:

**Marine Chemist Service, Inc.
Virginia Asbestos Analytical Laboratory License 3333 000004
11850 Tug Boat Lane
Newport News, Virginia 23606
(757) 873-0933**

The inspector who physically inspected the building and who have received EPA-Approved Training is:

**Eric Bresnan
Virginia Asbestos Inspector License 3303 04885
EBresnan@MarineChemist.com**

The Industrial Hygiene Inspector is employed by:

**Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606**



Marine Chemist Service, Inc.

SECTION 7 Credentials

**LIMITED ASBESTOS INSPECTION REPORT
OF
34th STREET, APARTMENT 729 NEWPORT
NEWS, VA
MCS JOB # 24-027S**



Marine Chemist Service, Inc.
11850 Tug Boat Lane, Newport News, VA 23606-2527
Phone: (757) 873-0933 · Norfolk (757) 640-1122
Fax: (757) 873-1074 · Norfolk (757) 625-5696
www.MarineChemist.com



Marine Chemist Service, Inc.

Limited Asbestos Inspection Report

of

**34th Street, Apartment 729
Newport News, VA**

on

February 26, 2024

Prepared for:

**Scott Campbell
VIA Design Architects, PC
319 Plume Street
Norfolk, VA 23510**

By

**Eric Bresnan
Virginia Asbestos Inspector License 3303004885
Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
(757) 873-0933**

April 30, 2024

Date

Eric Bresnan

Inspector Signature



TABLE OF CONTENTS

SECTION 1 -----Asbestos Inspection Report

SECTION 2 -----Sample Summary Table

SECTION 3 -----General Legend and Notes

SECTION 4 -----Survey Sample Location Sketches

SECTION 5 -----Report of Analysis

SECTION 6 -----Inspection Information

SECTION 7 -----Credentials



Marine Chemist Service, Inc.

SECTION 1

Asbestos Inspection Report



LIMITED ASBESTOS INSPECTION OF 34th STREET, APARTMENT 729 NEWPORT NEWS, VIRGINIA

INTRODUCTION

Background and Purpose

There has been a growing public awareness of the link between the inhalation of asbestos fibers and various diseases such as asbestosis, mesothelioma, lung, and other cancers. As a result, the Asbestos Hazard Emergency Response Act (AHERA 40 CFR Part 763) for schools grades K through 12 was established by EPA.

The necessary components of an AHERA inspection require the accredited inspector to visually inspect and assess the condition of all known or assumed friable asbestos containing building materials (ACBM); to visually inspect non - friable ACBM and touch it to determine friability, and to identify homogeneous areas of friable materials.

EPA's National Emission Standards for Hazardous Air Pollutants (NESHAPS) require thorough inspections for asbestos in structures before the renovation or demolition of those structures.

Virginia law requires that if the initial building permit was issued prior to January 1, 1985, an asbestos inspection must be performed prior to the local authorities issuing a building permit.

In order to comply with NESHAPS, buildings to be renovated or demolished must be thoroughly inspected for asbestos containing building materials. Marine Chemist Service, Inc. follows the AHERA sampling protocol for interior surveys and the Virginia standard for roof surveys.

The purpose of this survey was to provide information for this property concerning the location and type of accessible and/or visible asbestos containing materials prior to renovation.

In compliance with Virginia Regulations, Marine Chemist Service Inc. performed a limited asbestos inspection of 34th Street, Apartment 729, located in Newport News, VA on February 26, 2024.



General Information

Marine Chemist Service, Inc. was hired by Scott Campbell of VIA Design Architects on February 20, 2024, to conduct asbestos bulk sampling for suspect asbestos-containing building materials of 34th Street, Apartment 729, located in Newport News, VA.

Authorization

Authorization to perform this testing was provided in the form of a phone call notice to proceed by Scott Campbell of VIA Design Architects on February 20, 2024. The building was unoccupied at the time of the inspection.

Warranty

This visual inspection and laboratory report has been prepared in accordance with AHERA and Virginia requirements and current accepted professional practices. A minimum number of bulk asbestos samples were collected to determine the presence or absence of asbestos. This inspection has been performed to provide the client with information concerning the presence of accessible and/or exposed suspect asbestos containing building materials. Destructive testing was not performed. This inspection documents conditions at the time of the inspection only. No other warranties are implied or expressed.



SURVEY METHODS

Inspection Methods

The asbestos survey was performed by a Virginia licensed asbestos inspector. A visual walk through inspection was performed to identify suspect asbestos containing materials and homogeneous areas.

Sampling Methods

The Virginia licensed asbestos inspector sampled the identified suspect materials within the homogeneous areas following the visual inspection. Sampling was not performed on any inaccessible materials and did not involve destructive testing of building components. Sample locations were selected randomly.

LABORATORY METHODS

Analysis Methods

The bulk sample was first visually observed and described. The sample was mounted onto a slide, covered with dispersion staining oil and a cover slip, and observed under a polarized light microscope (PLM). The asbestos and non-asbestos materials in the sample are identified by this method.

The PLM microscopist estimates the amounts of asbestos and non-asbestos components by determining visually the relative volume of each to the total volume of the sample.



ASBESTOS INSPECTION

Document Review and On-Site Survey

Blueprints were not provided for the inspection. A sketch was generated to indicate sample/asbestos material locations.

Identification of Suspect Asbestos Containing Materials

A visual inspection was performed on the suspect asbestos containing material found in the surveyed interior and exterior portions of the building. The suspect asbestos containing materials are as follows:

1. 12"x12" Brown/Tan Floor tile and Mastic
2. White Drywall
3. Plaster
4. White Textured Ceiling
5. White Door Caulking
6. White Window Caulking
7. White Sink Caulking
8. Black Stair Mastic
9. HVAC Insulation
10. White Stucco
11. Gray Shingle
12. Roof Tar
13. Concrete



Bulk Sampling

Bulk sampling was performed on all suspect asbestos-containing materials found in the areas and the minimum number of samples were taken as required in the AHERA Standards.

Bulk samples were taken penetrating all layers of the material. The samples were at least one cubic centimeter and were placed in a sealed container at the time of collection. All precautions were taken to prevent exposure to those present in or around the facility during the collection of samples. All sampling locations were patched with an encapsulant after the sampling was complete.

Samples listed below are grouped into homogeneous areas. Homogeneous areas are areas, which are uniform by color, texture, construction/application date, and general appearance.

Some sample results in the % asbestos column may be displayed in this report with a slash between two numbers, (#/#). The first number represents the first material listed under the material location/description and the second number represents the second material listed.

When N/A is placed in the friable category it means the sample tested negative - (0) or less than one percent - ($\leq 1\%$) for asbestos and the friable description does not apply.

Samples were analyzed utilizing Polarized Light Microscopy (PLM) with dispersion staining by a NVLAP accredited laboratory (Marine Chemist Service, Inc. NVLAP Lab Code 200628-0). The results are in section 5.



Marine Chemist Service, Inc.

SECTION 2

Sample Summary Table

**Apartment 729
34th Street
Newport News, VA 23607**

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
V294-1	0142375-001	1st Floor, Kitchen South Corner, 12" Floor Tile Aggregate: Brown Floor Tile, Yellow/Clear Mastic, Tan Floor Tile, Brown Mastic	0/0/0/0	N/A
V294-2	0142375-002	1st Floor, Kitchen North Center, 12" Floor Tile Aggregate: Brown Floor Tile, Yellow/Clear Mastic, Tan Floor Tile, Brown Mastic	0/0/0/0	N/A
V294-3	0142375-003	1st Floor, Living Room Center, 12" Floor Tile Aggregate: Brown Floor Tile, Yellow/Clear Mastic, Tan Floor Tile, Brown Mastic	0/0/0/0	N/A
V294-4	0142375-004	1st Floor, Living Room Northwest Corner, Drywall, Plaster: White Texture, Off-White Drywall, White, Plaster Skim Coat, Gray Plaster Base Coat	0/0/0/0	N/A
V294-5	0142375-005	1st Floor, Living Room North Wall, Drywall, Plaster: White Texture, Off-white Drywall, White Plaster Skim Coat, Gray Plaster Base Coat	0/0/0/0	N/A
V294-6	0142375-006	1st Floor, Kitchen West Wall, Drywall, Plaster: White Texture, Off-white Drywall, White Plaster Skim Coat, Gray Plaster Base Coat	0/0/0/0	N/A
V294-7	0142375-007	1st Floor, Living Room South Corner, Texture Ceiling: White Textured Ceiling	0	N/A
V294-8	0142375-008	1st Floor, Living Room East Corner, Texture Ceiling: White Textured Ceiling	0	N/A
V294-9	0142375-009	1st Floor, Kitchen Center, Texture Ceiling: White Textured Ceiling	0	N/A
V294-10	0142375-010	1st Floor, Kitchen Water Heater Closet, Door Caulk: White Caulk	0	N/A
V294-11	0142375-011	1st Floor, Living Room HVAC Closet, Door Caulk: White Caulk	0	N/A
V294-12	0142375-012	1st Floor, Living Room West Window, Caulk: White Caulk	0	N/A
V294-13	0142375-013	1st Floor, Kitchen East Window, Caulk: White Caulk	0	N/A
V294-14	0142375-014	2nd Floor, Bedroom 1 Center, 12" Floor Tile Aggregate: Brown Floor Tile, Yellow/Clear Mastic, Tan Floor Tile, Brown Mastic	0/0/0/0	N/A
V294-15	0142375-015	2nd Floor, Bedroom 2 Center, 12" Floor Tile Aggregate: Brown Floor Tile, Yellow/Clear Mastic, Tan Floor Tile, Brown Mastic	0/0/0/0	N/A

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
V294-16	0142375-016	2nd Floor, Bedroom 3 Center, 12" Floor Tile Aggregate: Brown Floor Tile, Yellow/Clear Mastic, Tan Floor Tile, Brown Mastic	0/0/0/0	N/A
V294-17	0142375-017	2nd Floor, Bedroom 1 North Corner, Drywall, Plaster: White Texture, Off-White Drywall, White Plaster Skim Coat, Gray Plaster Base Coat	0/0/0/0	N/A
V294-18	0142375-018	2nd Floor, Bedroom 2 North Corner, Drywall, Plaster: White Texture, Off-White Drywall, White Plaster Skim Coat, Gray Plaster Base Coat	0/0/0/0	N/A
V294-19	0142375-019	2nd Floor, Bedroom 3 North Corner, Drywall, Plaster: White Texture, Off-White Drywall, White Plaster Skim Coat, Gray Plaster Base Coat	0/0/0/0	N/A
V294-20	0142375-020	2nd Floor, Bedroom 2 South Corner, Texture Ceiling: White Textured Ceiling	0	N/A
V294-21	0142375-021	2nd Floor, Bedroom 3 Center, Texture Ceiling: White Textured Ceiling	0	N/A
V294-22	0142375-022	2nd Floor, Bedroom 1 East Door, Caulk: White Caulk	0	N/A
V294-23	0142375-023	2nd Floor, Bedroom 2 East Door, Caulk: White Caulk	0	N/A
V294-24	0142375-024	2nd Floor, Bedroom 1 West Window, Caulk: White Caulk	0	N/A
V294-25	0142375-025	2nd Floor, Bedroom 2 West Window, Caulk: White Caulk	0	N/A
V294-26	0142375-026	2nd Floor, Bathroom Sink, Caulk: White Caulk	0	N/A
V294-27	0142375-027	2nd Floor, Bathroom Sink, Caulk: White Caulk	0	N/A
V294-28	0142375-028	2nd Floor, Small Bathroom Window, Caulk: White Caulk	0	N/A
V294-29	0142375-029	Top of Stairs, Stair, Mastic: Black Stair, Tan/Brown Mastic	0/0	N/A
V294-30	0142375-030	Middle Stairs, Stair, Mastic: Black Stair, Tan/Brown Mastic	0/0	N/A
V294-31	0142375-031	Bottom Stairs, Stair, Mastic: Black Stair, Tan/Brown Mastic	0/0	N/A
V294-32	0142375-032	1st Floor, Living Room HVAC Closet, HVAC Insulation: Yellow Insulation	0	N/A
V294-33	0142375-033	1st Floor, Living Room HVAC Closet, HVAC Insulation: Yellow Insulation	0	N/A
V294-34	0142375-034	2nd Floor, Bedroom 2 Closet, HVAC Insulation: Pink Insulation	0	N/A
V294-35	0142375-035	2nd Floor, Bedroom 2 Closet, HVAC Insulation: Pink Insulation	0	N/A
V294-36	0142375-036	2nd Floor, Bedroom 2 Closet, HVAC Insulation: Pink Insulation	0	N/A
V294-37	0142375-037	Exterior South, Stucco: White Stucco, Gray Stucco	0/0	N/A

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
V294-38	0142375-038	Exterior East, Stucco: White Stucco, Gray Stucco	0/0	N/A
V294-39	0142375-039	Exterior West, Stucco: White Stucco, Gray Stucco	0/0	N/A
V294-40	0142375-040	Exterior South, Shingle, Tar: Gray Shingle Type 1, Black Shingle Type 2	0/0	N/A
V294-41	0142375-041	Exterior East, Shingle, Tar: Gray Shingle Type 1, Black Shingle Type 2	0/0	N/A
V294-42	0142375-042	Exterior West, Shingle, Tar: Gray Shingle Type 1, Black Shingle Type 2	0/0	N/A
V294-43	0142375-043	Exterior East, Concrete: Gray Concrete	0	N/A
V294-44	0142375-044	Exterior West, Concrete: Gray Concrete	0	N/A
V294-45	0142375-045	2nd Floor, Bedroom 1 South Corner, Textured Ceiling: White Textured Ceiling	0	N/A



Comments

1. None of the sampled materials tested positive for asbestos.
2. When any layer of flooring tests positive for asbestos (floor tile, linoleum, or adhesive/mastic), all adhered layers are considered as 1 homogeneous material that cannot be separated and must be removed as one material during abatement removal operations.
3. Asbestos might be found within walls, ceiling and or pipe chases during the renovation or demolition of the building. If any suspect materials are found, they should treated as asbestos or tested for asbestos.



Marine Chemist Service, Inc.

SECTION 3

General Legend and Notes



GENERAL LEGEND

O - Sample number/location - non-asbestos

△ - Sample number/location - contains asbestos

GENERAL NOTES

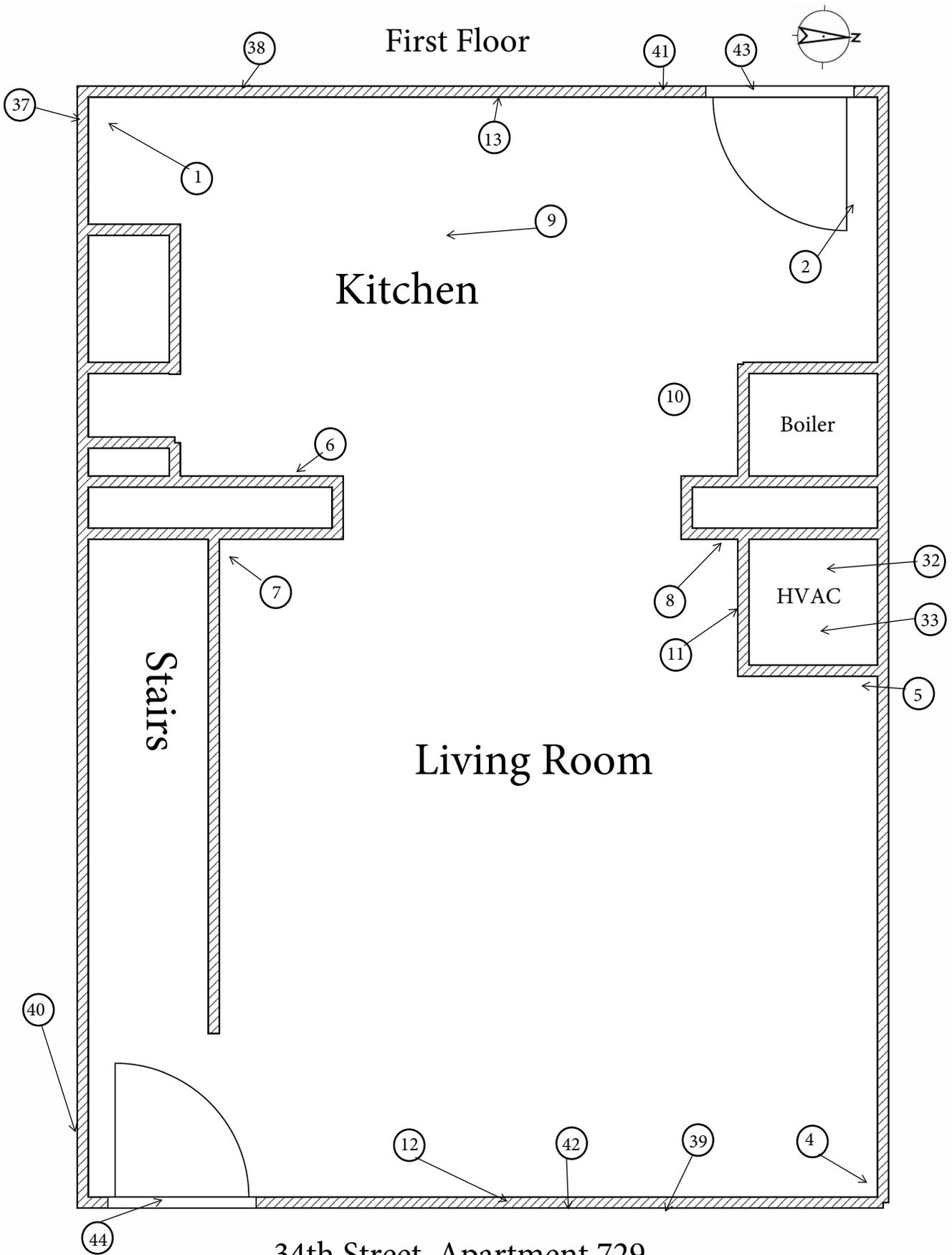
1. The EPA definition of a friable material is one that contains more than 1% asbestos by weight and can be crumbled, pulverized or reduced to a powder by hand pressure when dry, or which under normal use or maintenance emits or can be expected to emit asbestos fibers into the air.
2. All quantities are approximate.
3. Sketches are not to scale.



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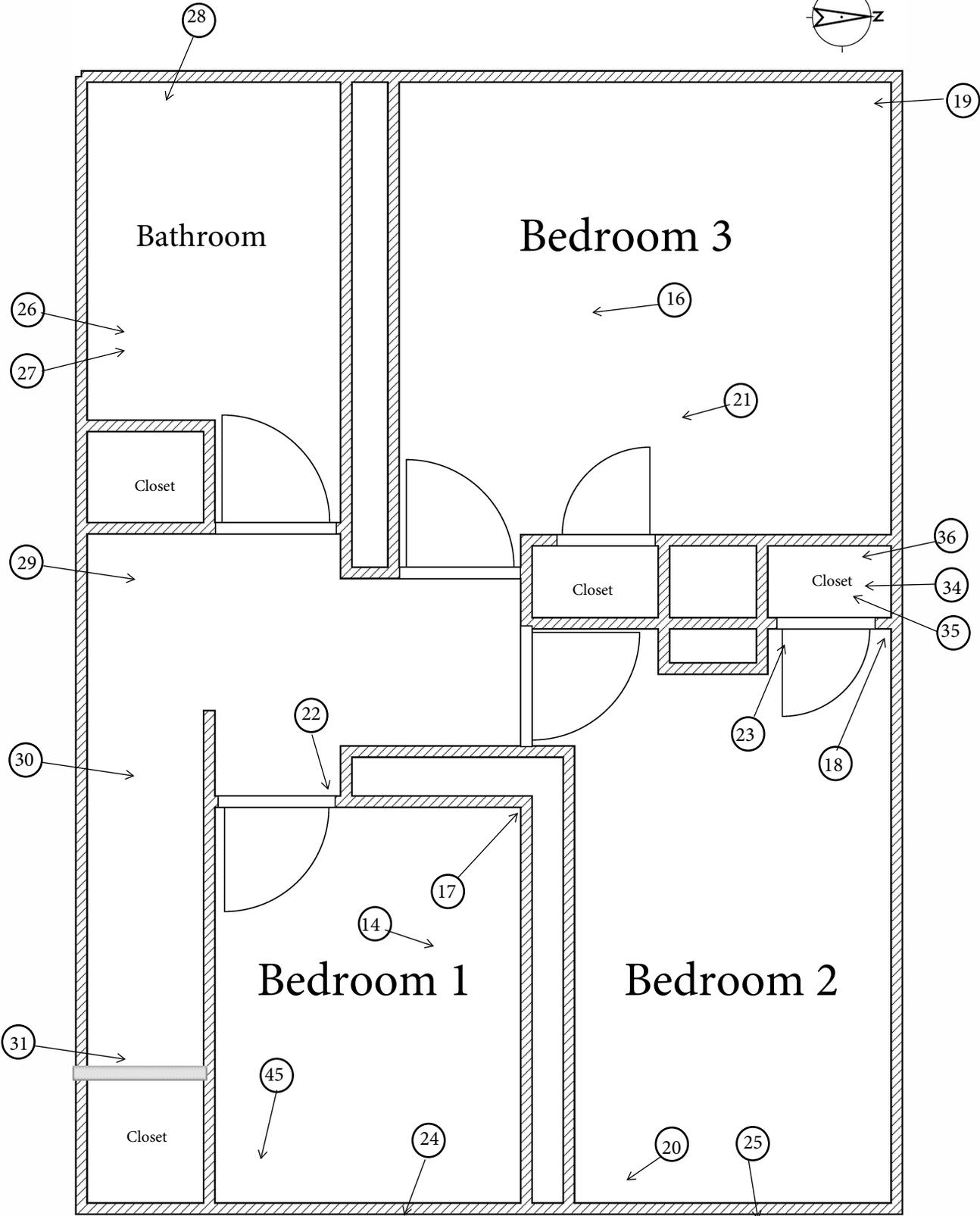
SECTION 4

Survey Sample Location Sketches



34th Street, Apartment 729
Newport News, Virginia

Second Floor



34th Street, Apartment 729
Newport News, Virginia



Marine Chemist Service, Inc.

SECTION 5 Reports of Analysis



Marine Chemist Service, Inc.

11850 TUG BOAT LANE
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 TEL: (757) 873-0933 · NORFOLK (757) 640-1122
 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142375
Report Date: 04/01/2024
MCS Job No.: 24-027S
Customer PO No.:

Date Sampled: 02/26/2024
Sampled By: Eric Bresnan
Job Location: 34th Street Apt 729

Date Received: 02/26/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142375-001 V294-1	1st Floor, Kitchen South Corner, 12" FTAs Floor Tile, Brown	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow, Clear	LAYER 2	None Detected		Non-Fibrous Material	100%
	Floor Tile, Tan	LAYER 3	None Detected		Non-Fibrous Material	100%
	Mastic, Brown	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142375-002 V294-2	1st Floor, Kitchen North Corner, 12" FTAs Floor Tile, Brown	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow, Clear	LAYER 2	None Detected		Non-Fibrous Material	100%
	Floor Tile, Tan	LAYER 3	None Detected		Non-Fibrous Material	100%
	Mastic, Brown	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

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Job Location: 34th Street Apt 729

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Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142375-003 V294-3	1st Floor, Living Room Center, 12" FTAs Floor Tile, Brown	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow, Clear	LAYER 2	None Detected		Non-Fibrous Material	100%
	Floor Tile, Tan	LAYER 3	None Detected		Non-Fibrous Material	100%
	Mastic, Brown	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142375-004 V294-4	1st Floor, Living Room Northwest Corner, Drywall, Plaster Texture, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Drywall, Off-white	LAYER 2	None Detected		Cellulose Fiber	10%
	Plaster Skim Coat, White	LAYER 3	None Detected		Non-Fibrous Material	90%
	Plaster Base Coat, Gray	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

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Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142375-005 V294-5	1st Floor, Living Room North Wall, Drywall, Plaster Texture, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Drywall, Off-white	LAYER 2	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
	Plaster Skim Coat, White	LAYER 3	None Detected		Non-Fibrous Material	100%
	Plaster Base Coat, Gray	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

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Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142375-006 V294-6	1st Floor, Kitchen West Wall, Drywall, Plaster Texture, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Drywall, Off-white	LAYER 2	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
	Plaster Skim Coat, White	LAYER 3	None Detected		Non-Fibrous Material	100%
	Plaster Base Coat, Gray	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142375-007 V294-7	1st Floor, Living Room South Corner, Texture Ceiling Textured Ceiling, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142375-008 V294-8	1st Floor, Living Room East Corner, Texture Ceiling Textured Ceiling, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142375-009 V294-9	1st Floor, Kitchen Center, Texture Ceiling Textured Ceiling, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142375-010 V294-10	1st Floor, Kitchen Water Heater Closet, Door Caulk Caulk, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142375-011 V294-11	1st Floor, Living Room HVAC Closet, Door Caulk Caulk, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142375-012 V294-12	1st Floor, Living Room West Window, Caulk Caulk, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142375-013 V294-13	1st Floor, Kitchen East Window, Caulk Caulk, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142375-014 V294-14	2nd Floor, Bedroom 1 Center, 12" FTAs Floor Tile, Brown	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow, Clear	LAYER 2	None Detected		Non-Fibrous Material	100%
	Floor Tile, Tan	LAYER 3	None Detected		Non-Fibrous Material	100%
	Mastic, Brown	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
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MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142375-015 V294-15	2nd Floor, Bedroom 2 Center, 12" FTAs					
	Floor Tile, Brown	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow, Clear	LAYER 2	None Detected		Non-Fibrous Material	100%
	Floor Tile, Tan	LAYER 3	None Detected		Non-Fibrous Material	100%
	Mastic, Brown	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142375-016 V294-16	2nd Floor, Bedroom 3 Center, 12" FTAs					
	Floor Tile, Brown	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow, Clear	LAYER 2	None Detected		Non-Fibrous Material	100%
	Floor Tile, Tan	LAYER 3	None Detected		Non-Fibrous Material	100%
	Mastic, Brown	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
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	TNI	RCRA 8 Metals: TCLP & NPW
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142375-017 V294-17	2nd Floor, Bedroom 1 North Corner, Drywall, Plaster Texture, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Drywall, Off-white	LAYER 2	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
	Plaster Skim Coat, White	LAYER 3	None Detected		Non-Fibrous Material	100%
	Plaster Base Coat, Gray	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present:		No				



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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142375-018 V294-18	2nd Floor, Bedroom 2 North Corner, Drywall, Plaster Texture, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Drywall, Off-white	LAYER 2	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
	Plaster Skim Coat, White	LAYER 3	None Detected		Non-Fibrous Material	100%
	Plaster Base Coat, Gray	LAYER 4	None Detected		Non-Fibrous Material	100%
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Job Location: 34th Street Apt 729

Date Received: 02/26/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142375-019 V294-19	2nd Floor, Bedroom 3 North Corner, Drywall, Plaster Texture, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Drywall, Off-white	LAYER 2	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
	Plaster Skim Coat, White	LAYER 3	None Detected		Non-Fibrous Material	100%
	Plaster Base Coat, Gray	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142375-020 V294-20	2nd Floor, Bedroom 2 South Corner, Texture Ceiling Textured Ceiling, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142375-021 V294-21	2nd Floor, Bedroom 3 Center, Texture Ceiling Textured Ceiling, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



Marine Chemist Service, Inc.
 11850 TUG BOAT LANE
 NEWPORT NEWS, VA 23606-2527
 TEL: (757) 873-0933 · NORFOLK (757) 640-1122
 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142375
Report Date: 04/01/2024
MCS Job No.: 24-027S
Customer PO No.:

Date Sampled: 02/26/2024
Sampled By: Eric Bresnan
Job Location: 34th Street Apt 729

Date Received: 02/26/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142375-022 V294-22	2nd Floor, Bedroom 1 East Door, Caulk Caulk, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142375-023 V294-23	2nd Floor, Bedroom 2 East Door, Caulk Caulk, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142375-024 V294-24	2nd Floor, Bedroom 1 West Window, Caulk Caulk, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142375-025 V294-25	2nd Floor, Bedroom 2 West Window, Caulk Caulk, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

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 Norfolk VA 23510

MCS Report No.: 0142375
Report Date: 04/01/2024
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Customer PO No.:

Date Sampled: 02/26/2024
Sampled By: Eric Bresnan
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Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142375-026 V294-26	2nd Floor, Bathroom Sink, Caulk Caulk, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142375-027 V294-27	2nd Floor, Bathroom Sink, Caulk Caulk, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142375-028 V294-28	2nd Floor, Small Bathroom Window, Caulk Caulk, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142375-029 V294-29	Top of Stairs, Stair, Mastic Stair, Black	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Tan, Brown	LAYER 2	None Detected		Non-Fibrous Material	100%
Unable to separate mastics for analysis.						
Asbestos Present: No						



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Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

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Date Sampled: 02/26/2024
Sampled By: Eric Bresnan
Job Location: 34th Street Apt 729

Date Received: 02/26/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	Non-Asbestos Components	(%)	(%)
0142375-030 V294-30	Middle Stairs, Stair, Mastic Stair, Black	LAYER 1	None Detected	Non-Fibrous Material		100%
	Mastic, Tan, Brown	LAYER 2	None Detected	Non-Fibrous Material		100%
Unable to separate mastics for analysis.						
Asbestos Present: No						
0142375-031 V294-31	Bottom Stairs, Stair, Mastic Stair, Black	LAYER 1	None Detected	Non-Fibrous Material		100%
	Mastic, Tan, Brown	LAYER 2	None Detected	Non-Fibrous Material		100%
Unable to separate mastics for analysis.						
Asbestos Present: No						
0142375-032 V294-32	1st Floor, Living Room HVAC Closet, HVAC Insulation Insulation, Yellow	LAYER 1	None Detected	Cellulose Fiber Fibrous Glass Non-Fibrous Material		10% 85% 5%
Asbestos Present: No						



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

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MCS Report No.: 0142375
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Date Sampled: 02/26/2024
Sampled By: Eric Bresnan
Job Location: 34th Street Apt 729

Date Received: 02/26/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142375-033 V294-33	1st Floor, Living Room HVAC Closet, HVAC Insulation Insulation, Yellow	LAYER 1	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% 85% 10%
Asbestos Present: No						
0142375-034 V294-34	2nd Floor, Bedroom 2 Closet, HVAC Insulation Insulation, Pink	LAYER 1	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% 80% 10%
Asbestos Present: No						
0142375-035 V294-35	2nd Floor, Bedroom 2 Closet, HVAC Insulation Insulation, Pink	LAYER 1	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	10% 80% 10%
Asbestos Present: No						



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

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 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142375
Report Date: 04/01/2024
MCS Job No.: 24-027S
Customer PO No.:

Date Sampled: 02/26/2024
Sampled By: Eric Bresnan
Job Location: 34th Street Apt 729

Date Received: 02/26/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)	
0142375-036 V294-36	2nd Floor, Bedroom 2 Closet, HVAC Insulation	LAYER 1	None Detected		Cellulose Fiber	10%	
	Insulation, Pink				Fibrous Glass	80%	Non-Fibrous Material
Asbestos Present: No							
0142375-037 V294-37	Exterior South, Stucco Stucco, White	LAYER 1	None Detected		Non-Fibrous Material	100%	
	Stucco, Gray	LAYER 2	None Detected		Fibrous Glass	2%	Non-Fibrous Material
Asbestos Present: No							
0142375-038 V294-38	Exterior East, Stucco Stucco, White	LAYER 1	None Detected		Non-Fibrous Material	100%	
	Stucco, Gray	LAYER 2	None Detected		Fibrous Glass	2%	Non-Fibrous Material
Asbestos Present: No							



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
Virginia Laboratory	DGS - DPOR	Lead and Copper: Drinking Water
		<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

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MCS Report No.: 0142375
Report Date: 04/01/2024
MCS Job No.: 24-027S
Customer PO No.:

Date Sampled: 02/26/2024
Sampled By: Eric Bresnan
Job Location: 34th Street Apt 729

Date Received: 02/26/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142375-039 V294-39	Exterior West, Stucco	LAYER 1	None Detected		Non-Fibrous Material	100%
	Stucco, White					
	Stucco, Gray	LAYER 2	None Detected		Fibrous Glass	2%
					Non-Fibrous Material	98%
Asbestos Present: No						
0142375-040 V294-40	Exterior South, Shingle, Tar	LAYER 1	None Detected		Fibrous Glass	20%
	Shingle Type 1, Gray					Non-Fibrous Material
	Shingle Type 2, Black	LAYER 2	None Detected		Fibrous Glass	20%
					Non-Fibrous Material	80%
Asbestos Present: No						
0142375-041 V294-41	Exterior East, Shingle, Tar	LAYER 1	None Detected		Fibrous Glass	20%
	Shingle Type 1, Gray					Non-Fibrous Material
	Shingle Type 2, Black	LAYER 2	None Detected		Fibrous Glass	20%
					Non-Fibrous Material	80%
Asbestos Present: No						



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

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 319 Plume Street
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MCS Report No.: 0142375
Report Date: 04/01/2024
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Date Sampled: 02/26/2024
Sampled By: Eric Bresnan
Job Location: 34th Street Apt 729

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Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142375-042 V294-42	Exterior West, Shingle, Tar Shingle Type 1, Gray	LAYER 1	None Detected		Fibrous Glass Non-Fibrous Material	20% 80%
	Shingle Type 2, Black	LAYER 2	None Detected		Fibrous Glass Non-Fibrous Material	20% 80%
Asbestos Present: No						
0142375-043 V294-43	Exterior East, Concrete Concrete, Gray	LAYER 1	None Detected		Non-Fibrous Material	100%
	Asbestos Present: No					
0142375-044 V294-44	Exterior West, Concrete Concrete, Gray	LAYER 1	None Detected		Non-Fibrous Material	100%
	Asbestos Present: No					
0142375-045 V294-45	2nd Floor, Bedroom 1 South Corner, Texture Ceiling	LAYER 1	None Detected		Non-Fibrous Material	100%
	Textured Ceiling, White					
Asbestos Present: No						

Analysis performed at Eurofins CEI, Inc. Cary, NC (NVLAP Lab Code: 101768-0). Lab Code B245454.



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
-----------------------------------	--------------------------------	-----------	------------------	-----	----------------------------	-----


 Approved Signatory - Mary Helen Scott
 Laboratory Supervisor

Method Detection Limit: = <1%

- * Fiber concentrations were determined by visually estimating the area percentage for each type.
- * Asbestos fibers may not be detected by PLM in certain samples because of their size (<5um) or being bound with non-friable organic matrix. In such cases an alternative method of analysis may be necessary.
- * Analyzed only readily discernable layers.
- * All laboratory test results meet the applicable quality control requirements unless otherwise mentioned.
- * MCS, Inc. can not attest to nor be held responsible for the proper collection of samples and/or accuracy of the sample information provided by customers for samples not collected by MCS, Inc.
- * Test report relates only to the items tested.
- * The samples will be stored at the MCS, Inc. laboratory for a period of thirty days after the analysis. At the end of the period, it will be our policy to dispose of the samples unless prior arrangements have been made for a longer storage period.
- * This report shall not be reproduced, except in full, without the written approval of this laboratory.
- * The Report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government.
- * The Report includes Chain of Custody.



Marine Chemist Service, Inc.

11850 Tug Boat Lane • Newport News, VA 23606

(757) 873-0933 • (757) 873-1074 (fax)

www.MarineChemist.com

Customer: VIA Design LLC
Address: 319 Plum Street Norfolk VA 23510

Contact: Scott Campbell

Phone: (757) 373-7151 Fax:

Email: Scampbell@viaDesignArchitects.com

MCS Job #: 21-0275 Customer PO:

Job Location: 34th Street Apt. 729

BULK Chain of Custody Form

(use separate form for each matrix)

Requested Turnaround Time (markup)

- Building Material
Paint
Soil
Other

- Same Day (100%)
1-Day (75%)
2-Day (50%)
3-Day (25%)
4-Day (12.5%)
5-Day (standard)

RESULTS DUE BY: 3/4/24
ANALYSIS: PLM

MCS Use Only
Project Manager: Subcontracted to Eunkin
Special Instructions
DO NOT MAIL
MCS Lab Report No. 0142375 CAM 2/26/24
Samples Acceptable to Lab: Yes
Date

Table with 4 columns: Field ID, Sample Location, Sample Description, MCS Sample No. Contains 20 rows of sample data.

Eric Bresnan (Print)
Eric Bresnan (Signature)
Carlos Mendoza (Print)

EBrommer (Signature)
EBrommer (Signature)

02-26-24 (Date/Time)
02-26-24 (Date/Time)
2/26/24 4:00 (Date/Time)

OFFICE USE ONLY:
Mailed
Billing
Verbal
Faxed
Copied
Emailed
(date and initial above areas)



Marine Chemist Service, Inc.

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(757) 873-0933 • (757) 873-1074 (fax)

www.MarineChemist.com

Customer:

VIA Design LLC

Address:

319 Plum Street Norfolk VA 23510

Contact:

Scott Campbell

Phone:

(757) 373-7151

Fax:

Email:

Scampbell@via Design Architects.com

MCS Job #:

24-0275

Customer PO:

Job Location:

34th Street Apt 729

BULK Chain of Custody Form

(use separate form for each matrix)

Requested Turnaround Time (markup)

- Building Material
- Paint
- Soil
- Other _____

- Same Day (100%)
- 1-Day (75%)
- 2-Day (50%)
- 3-Day (25%)
- 4-Day (12.5%)
- 5-Day (standard)

RESULTS DUE BY:

3/4/24

ANALYSIS:

PLM

MCS Use Only

Project Manager _____

Special Instructions _____

DO NOT MAIL

Give Report To: _____

MCS Lab Report No.

0142375 CAM 2/26/24

Samples Acceptable to Lab Yes No

By _____

Date _____

If "No" Reason _____

Field ID	Sample Location	Sample Description	MCS Sample No.
example	room or area	size / color / material	lab use only
V294-21	2nd Floor Bedroom 3 Center	White Texture Ceiling	0142375-021
V294-22	2nd Floor Bedroom 1 East Door	White Door Caulking	0142375-022
V294-23	2nd Floor Bedroom 2 East Door	White Door Caulking	0142375-023
V294-24	2nd Floor Bedroom 1 West window	White Door Window Caulking	0142375-024
V294-25	2nd Floor Bedroom 2 West window	White Door Window Caulking	0142375-025
V294-26	2nd Floor Bathroom Sink	White Sink Caulking	0142375-026
V294-27	2nd Floor Bathroom Sink	White Sink Caulking	0142375-027
V294-28	2nd Floor Small Bathroom Window	White Window Caulking	0142375-028
V294-29	Top of Stairs	Black Stair + Mastic	0142375-029
V294-30	Middle Stairs	Black Stair + Mastic	0142375-030
V294-31	Bottom Stairs	Black Stair + Mastic	0142375-031
V294-32	2nd Floor 1st Floor living Room HVAC closet	HVAC Insulation	0142375-032
V294-33	2nd Floor 1st Floor living Room HVAC closet	HVAC Insulation	0142375-033
V294-34	2nd Floor Bedroom 2 Closet	HVAC Insulation	0142375-034
V294-35	2nd Floor Bedroom 2 Closet	HVAC Insulation	0142375-035
V294-36	2nd Floor Bedroom 2 Closet	HVAC Insulation	0142375-036
V294-37	Exterior South	White Stucco	0142375-037
V294-38	Exterior East	White Stucco	0142375-038
V294-39	Exterior West	White Stucco	0142375-039
V294-40	Exterior South	Gray Shingle + Tar	0142375-040

EP
 Sampled by (Print)
 EP
 Transported by (Print)
 Carlos Mendosa
 Received by (Print)

EP
 Signature
 EP
 Signature
 Signature

02-26-24
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 (date and initial above areas)



Marine Chemist Service, Inc.

SECTION 6 Inspection Information



Marine Chemist Service, Inc.

Inspection Information

The survey contractor for the inspection of 34th Street, Apartment 729, Newport News VA is:

**Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
www.MarineChemist.com**

The team leader responsible for quality control coordination of inspection and adherence to inspection protocol is:

**Patrick Studley - CIH
Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
PStudley@MarineChemist.com**

The AIHA and NVLAP Accredited laboratory selected to analyze the bulk samples for asbestos content by PLM, using the "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (Appendix A to Subpart F in 40 CFR Part 763) is:

**Marine Chemist Service, Inc.
Virginia Asbestos Analytical Laboratory License 3333 000004
11850 Tug Boat Lane
Newport News, Virginia 23606
(757) 873-0933**

The inspector who physically inspected the building and who have received EPA-Approved Training is:

**Eric Bresnan
Virginia Asbestos Inspector License 3303 04885
EBresnan@MarineChemist.com**

The Industrial Hygiene Inspector is employed by:

**Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606**



Marine Chemist Service, Inc.

SECTION 7 Credentials

**LIMITED ASBESTOS INSPECTION REPORT
OF
35th STREET, APARTMENT 729 NEWPORT
NEWS, VA
MCS JOB # 24-028S**



Marine Chemist Service, Inc.
11850 Tug Boat Lane, Newport News, VA 23606-2527
Phone: (757) 873-0933 · Norfolk (757) 640-1122
Fax: (757) 873-1074 · Norfolk (757) 625-5696
www.MarineChemist.com



Marine Chemist Service, Inc.

Limited Asbestos Inspection Report

of

**35th Street, Apartment 729
Newport News, VA**

on

February 25, 2024

Prepared for:

**Scott Campbell
VIA Design Architects, PC
319 Plume Street
Norfolk, VA 23510**

By

**Eric Bresnan
Virginia Asbestos Inspector License 3303004885
Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
(757) 873-0933**

April 30, 2024

Date

Eric Bresnan

Inspector Signature



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SECTION 6 -----Inspection Information

SECTION 7 -----Credentials



Marine Chemist Service, Inc.

SECTION 1

Asbestos Inspection Report



LIMITED ASBESTOS INSPECTION OF 35th STREET, APARTMENT 729 NEWPORT NEWS, VIRGINIA

INTRODUCTION

Background and Purpose

There has been a growing public awareness of the link between the inhalation of asbestos fibers and various diseases such as asbestosis, mesothelioma, lung, and other cancers. As a result, the Asbestos Hazard Emergency Response Act (AHERA 40 CFR Part 763) for schools grades K through 12 was established by EPA.

The necessary components of an AHERA inspection require the accredited inspector to visually inspect and assess the condition of all known or assumed friable asbestos containing building materials (ACBM); to visually inspect non - friable ACBM and touch it to determine friability, and to identify homogeneous areas of friable materials.

EPA's National Emission Standards for Hazardous Air Pollutants (NESHAPS) require thorough inspections for asbestos in structures before the renovation or demolition of those structures.

Virginia law requires that if the initial building permit was issued prior to January 1, 1985, an asbestos inspection must be performed prior to the local authorities issuing a building permit.

In order to comply with NESHAPS, buildings to be renovated or demolished must be thoroughly inspected for asbestos containing building materials. Marine Chemist Service, Inc. follows the AHERA sampling protocol for interior surveys and the Virginia standard for roof surveys.

The purpose of this survey was to provide information for this property concerning the location and type of accessible and/or visible asbestos containing materials prior to renovation.

In compliance with Virginia Regulations, Marine Chemist Service Inc. performed a limited asbestos inspection of 35th Street, Apartment 729, located in Newport News, VA on February 25, 2024.



General Information

Marine Chemist Service, Inc. was hired by Scott Campbell of VIA Design Architects on February 20, 2024, to conduct asbestos bulk sampling for suspect asbestos-containing building materials of 35th Street, Apartment 729, located in Newport News, VA.

Authorization

Authorization to perform this testing was provided in the form of a phone call notice to proceed by Scott Campbell of VIA Design Architects on February 20, 2024. The building was unoccupied at the time of the inspection.

Warranty

This visual inspection and laboratory report has been prepared in accordance with AHERA and Virginia requirements and current accepted professional practices. A minimum number of bulk asbestos samples were collected to determine the presence or absence of asbestos. This inspection has been performed to provide the client with information concerning the presence of accessible and/or exposed suspect asbestos containing building materials. Destructive testing was not performed. This inspection documents conditions at the time of the inspection only. No other warranties are implied or expressed.



SURVEY METHODS

Inspection Methods

The asbestos survey was performed by a Virginia licensed asbestos inspector. A visual walk through inspection was performed to identify suspect asbestos containing materials and homogeneous areas.

Sampling Methods

The Virginia licensed asbestos inspector sampled the identified suspect materials within the homogeneous areas following the visual inspection. Sampling was not performed on any inaccessible materials and did not involve destructive testing of building components. Sample locations were selected randomly.

LABORATORY METHODS

Analysis Methods

The bulk sample was first visually observed and described. The sample was mounted onto a slide, covered with dispersion staining oil and a cover slip, and observed under a polarized light microscope (PLM). The asbestos and non-asbestos materials in the sample are identified by this method.

The PLM microscopist estimates the amounts of asbestos and non-asbestos components by determining visually the relative volume of each to the total volume of the sample.



ASBESTOS INSPECTION

Document Review and On-Site Survey

Blueprints were not provided for the inspection. A sketch was generated to indicate sample/asbestos material locations.

Identification of Suspect Asbestos Containing Materials

A visual inspection was performed on the suspect asbestos containing material found in the survey areas. The suspect asbestos containing materials are as follows:

1. 12"x12" Tan and Brown Floortile with Mastic
2. White Drywall and Plaster
3. White Texture Ceiling
4. White Door Caulking
5. White Window Caulking
6. White Sink Caulking
7. Red Brick and Mortar
8. HVAC Insulation
9. Gray Shingles and Tar
10. Brown Shingles and Tar
11. Gray Concrete
12. White Stucco
13. 12"x6" Dirty Brown Floortile and Mastic



Bulk Sampling

Bulk sampling was performed on all suspect asbestos-containing materials found in the areas and the minimum number of samples were taken as required in the AHERA Standards.

Bulk samples were taken penetrating all layers of the material. The samples were at least one cubic centimeter and were placed in a sealed container at the time of collection. All precautions were taken to prevent exposure to those present in or around the facility during the collection of samples. All sampling locations were patched with an encapsulant after the sampling was complete.

Samples listed below are grouped into homogeneous areas. Homogeneous areas are areas, which are uniform by color, texture, construction/application date, and general appearance.

Some sample results in the % asbestos column may be displayed in this report with a slash between two numbers, (#/#). The first number represents the first material listed under the material location/description and the second number represents the second material listed.

When N/A is placed in the friable category it means the sample tested negative - (0) or less than one percent - ($\leq 1\%$) for asbestos and the friable description does not apply.

Samples were analyzed utilizing Polarized Light Microscopy (PLM) with dispersion staining by a NVLAP accredited laboratory (Marine Chemist Service, Inc. NVLAP Lab Code 200628-0). The results are in section 5.



Marine Chemist Service, Inc.

SECTION 2

Sample Summary Table

**Apartment 729
35th Street
Newport News, VA 23607**

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
V295-1	0142318-001	1st Floor South Living Room, Floor Tile, Mastic: Tan Floor Tile, Beige Mastic, White Floor Tile, Beige Mastic	0/0/0/0	N/A
V295-2	0142318-002	1st Floor North Living Room, Floor Tile, Mastic: Tan Floor Tile, Beige Mastic, White Floor Tile, Beige Mastic	0/0/0/0	N/A
V295-3	0142318-003	1st Floor North Kitchen, Floor Tile, Mastic: Tan Floor Tile, Beige Mastic, White Floor Tile, Beige Mastic	0/0/0/0	N/A
V295-4	0142318-004	2nd Floor Hallway Center, Floor Tile, Mastic: Tan Floor Tile, Beige Mastic, White Floor Tile, Beige Mastic	0/0/0/0	N/A
V295-5	0142318-005	2nd Floor Bedroom North, Floor Tile, Mastic: Gray Floor Tile, Beige Mastic, Gray/White Floor Tile, Beige Mastic	0/0/0/0	N/A
V295-6	0142318-006	2nd Floor South Bedroom 1, Floor Tile, Mastic: Tan Floor Tile, Beige Mastic, Gray Floor Tile, Beige Mastic	0/0/0/0	N/A
V295-7	0142318-007	1st Floor Living Room South Closet North, Drywall, Plaster Wall: White Plaster and Beige Paint, Gray Scratch Coat, White Joint Compound and Paint, Brown Paper, White Drywall	0/0/0/0/0	N/A
V295-8	0142318-008	1st Floor Living Room Left Wall, Drywall, Plaster Wall: White Joint Compound, Brown Paper and White Paint, White Drywall	0/0/0	N/A
V295-9	0142318-009	1st Floor Kitchen Center Wall, Drywall, Plaster Wall: White Plaster and Green Paint, Gray Scratch Coat, White Joint Compound, Brown Paper, White Drywall, Beige Mastic	0/0/0/0/0/0	N/A
V295-10	0142318-010	2nd Floor North Bedroom, Drywall, Plaster Wall: White Plaster and Beige Paint, Gray Scratch Coat, White Joint Compound and Beige Paint, Brown Paint and Green Paint, White Drywall	0/0/0/0/0	N/A
V295-11	0142318-011	2nd Floor South Bedroom 1 Drywall, Plaster Wall: White Plaster and Beige Paint, Beige Scratch Coat, White Joint Compound and Paint, Brown Paper, White Drywall	0/0/0/0/0	N/A
V295-12	0142318-012	2nd Floor South Bedroom 2, Drywall, Plaster Wall: White Paint and Beige Paint, Gray Scratch Coat, White Joint Compound, Brown Paper, White Drywall	0/0/0/0/0	N/A
V295-13	0142318-013	1st Floor Kitchen North, Texture Ceiling: white Ceiling Material and Beige Paint, Beige Ceiling Material and Paint	0/0	N/A
V295-14	0142318-014	1st Floor Living Room South, Texture Ceiling: Beige Ceiling Material and White Paint	0	N/A

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
V295-15	0142318-015	1st Floor Living Room North, Texture Ceiling: Beige Ceiling Material and White Paint	0	N/A
V295-16	0142318-016	2nd Floor Center Hallway, Texture Ceiling: Beige Ceiling Material and White Paint	0	N/A
V295-17	0142318-017	2nd Floor North Bedroom, Texture Ceiling: Beige Ceiling Material and White Paint	0	N/A
V295-18	0142318-018	2nd Floor South Bedroom 2, Texture Ceiling: Beige Ceiling Material and White Paint	0	N/A
V295-19	0142318-019	1st Floor Window West, Caulk: White Caulking and Beige Paint	0	N/A
V295-20	0142318-020	1st Floor Window East, Caulk: White Caulking and Beige Paint	0	N/A
V295-21	0142318-021	2nd Floor South Bedroom 1, Window Caulk: White Caulking and Paint	0	N/A
V295-22	0142318-022	2nd Floor South Bedroom 2, Window Caulk: White Caulking and Paint	0	N/A
V295-23	0142318-023	1st Floor Living Room South, Door Caulk: White Caulking and Paint, Brown Wood	0/0	N/A
V295-24	0142318-024	1st Floor Kitchen South, Door Caulk: White Caulking and Beige Paint	0	N/A
V295-25	0142318-025	2nd Floor Hallway South Bedroom 1, Door Caulk: White Caulking and Beige Paint	0	N/A
V295-26	0142318-026	2nd Floor Hallway South Bedroom 2, Door Caulk: White Caulk	0	N/A
V295-27	0142318-027	2nd Floor Bathroom Right, Sink Caulk: White Caulking and Beige Paint	0	N/A
V295-28	0142318-028	2nd Floor Bathroom Left, Sink Caulk: White Caulking and Paint, Beige Cementitious Material	0/0	N/A
V295-29	0142318-029	Exterior East, Shingle, Tar: Black Tar and Brown Aggregate	0	N/A
V295-30	0142318-030	Exterior East, Shingle, Tar: Black Tar and Grey/Brown Aggregate	0	N/A
V295-31	0142318-031	Exterior West, Shingle, Tar: Black Tar and Beige Aggregate	0	N/A
V295-32	0142318-032	Exterior East, Texture Stucco: Gray Cementitious Material, Beige Powdery Material	0/0	N/A
V295-33	0142318-033	Exterior West, Texture Stucco: Beige Cementitious Material	0	N/A
V295-34	0142318-034	Exterior South, Texture Stucco: Beige Cementitious Material	0	N/A
V295-35	0142318-035	Exterior East Top, Brick, Mortar: Red Cementitious Material, Gray Cementitious Material	0/0	N/A

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
V295-36	0142318-036	Exterior East Middle, Brick, Mortar: Red Cementitious Material, Gray Cementitious Material	0/0	N/A
V295-37	0142318-037	Exterior East Bottom, Brick, Mortar: Red Cementitious Material, Gray/White Cementitious Material	0/0	N/A
V295-38	0142318-038	Exterior East, Concrete: Gray Cementitious Material	0	N/A
V295-39	0142318-039	Exterior West, Concrete: Gray Cementitious Material	0	N/A
V295-40	0142318-040	1st Floor South Closet Patch, 12"x6" Dirty Brown Floor Tile: Beige Floor Tile, Beige Mastic	0/0	N/A
V295-41	0142318-041	Exterior East Patch, Shingle, Tar: Brown Aggregate Black Tar	0	N/A
V295-42	0142318-042	1st Floor Kitchen, HVAC Insulation: Brown/Silver Jacket, Yellow Insulation	0/0	N/A
V295-43	0142318-043	1st Floor Living Room South Closet, HVAC Insulation: Brown/Silver Jacket, Yellow Insulation	0/0	N/A
V295-44	0142318-044	2nd Floor South Bedroom 1 Side Pipe, HVAC Insulation: Beige/Brown Jacket, Orange Insulation	0/0	N/A
V295-45	0142318-045	2nd Floor South Bedroom 1 Side Pipe, HVAC Insulation: Beige/Brown Jacket, Orange Insulation	0/0	N/A
V295-46	0142318-046	2nd Floor South Bedroom 1 Side Pipe, HVAC Insulation: Beige/Brown Jacket, Orange Insulation	0/0	N/A



Comments

1. None of the sampled materials tested positive for asbestos.
2. When any layer of flooring tests positive for asbestos (floor tile, linoleum, or adhesive/mastic), all adhered layers are considered as 1 homogeneous material that cannot be separated and must be removed as one material during abatement removal operations.
3. Asbestos might be found within walls, ceiling and or pipe chases during the renovation or demolition of the building. If any suspect materials are found, they should be treated as asbestos or tested for asbestos.



Marine Chemist Service, Inc.

SECTION 3

General Legend and Notes



GENERAL LEGEND

O - Sample number/location - non-asbestos

△ - Sample number/location - contains asbestos

GENERAL NOTES

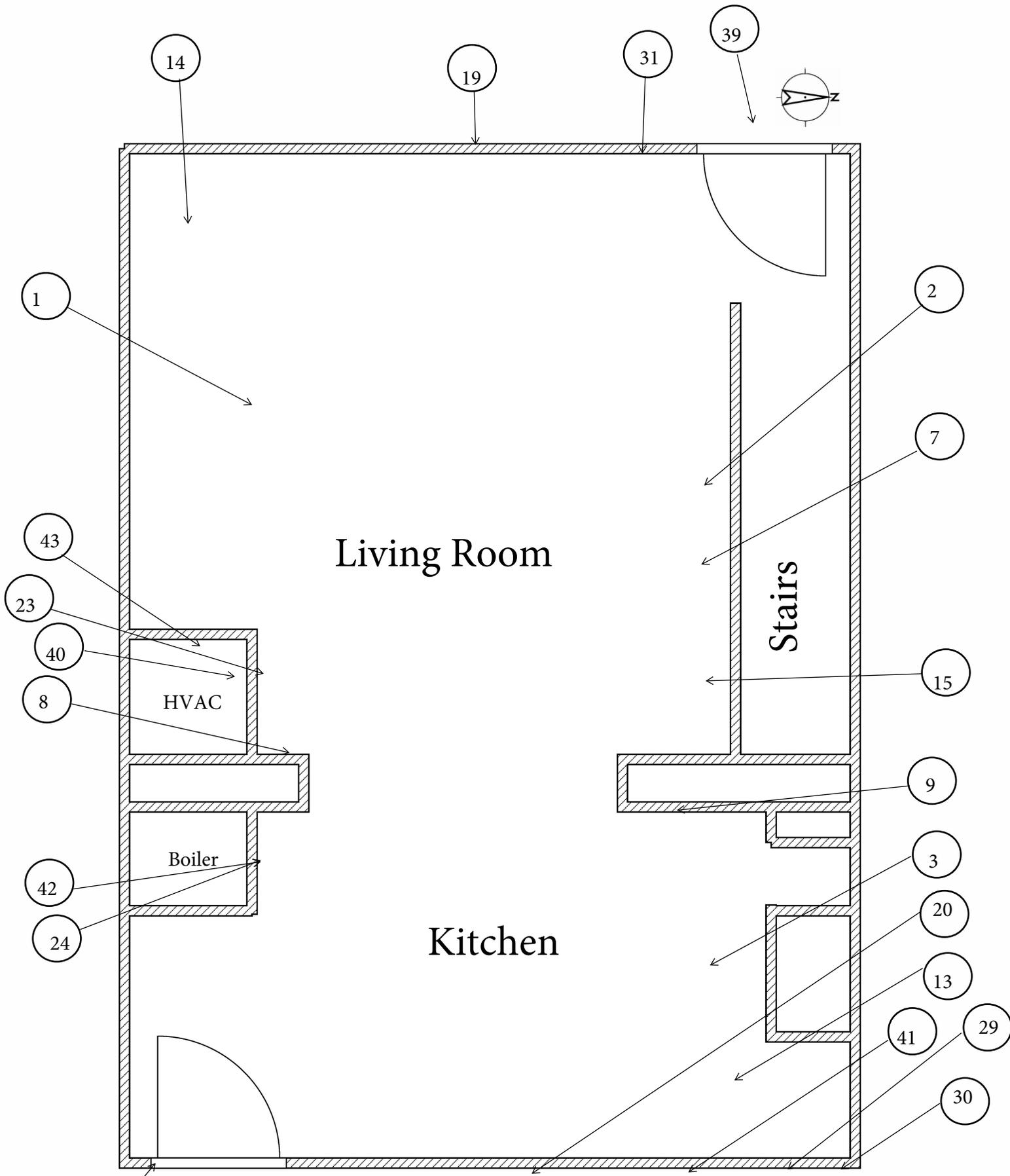
1. The EPA definition of a friable material is one that contains more than 1% asbestos by weight and can be crumbled, pulverized or reduced to a powder by hand pressure when dry, or which under normal use or maintenance emits or can be expected to emit asbestos fibers into the air.
2. All quantities are approximate.
3. Sketches are not to scale.



Marine Chemist Service, Inc.

SECTION 4

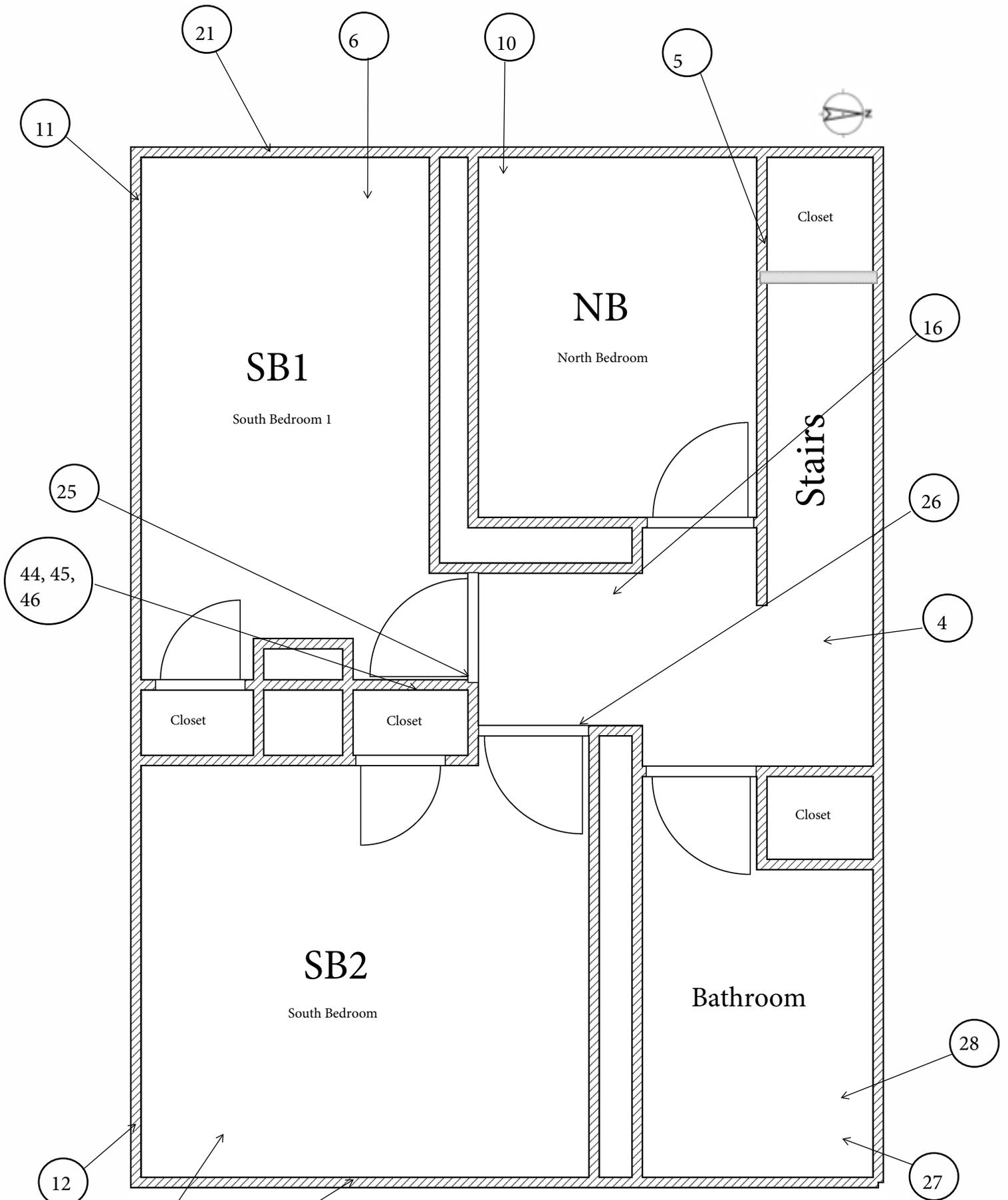
Survey Sample Location Sketches



Sample Location Sketch
 First Floor
 729 35th Street
 MCS Job # 24-028S

35, 36,
37

38



Sample Location Sketch
 Second Floor
 729 35th Street
 MCS Job # 24-028S



Marine Chemist Service, Inc.

SECTION 5 Reports of Analysis



Marine Chemist Service, Inc.
 11850 TUG BOAT LANE
 NEWPORT NEWS, VA 23606-2527
 TEL: (757) 873-0933 · NORFOLK (757) 640-1122
 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142318
Report Date: 03/25/2024
MCS Job No.: 24-028S
Customer PO No.:

Date Sampled: 02/20/2024
Sampled By: Eric Bresnan
Job Location: 35th Street Apt. 729

Date Received: 02/20/2024
Received By:
Sample Matrix: BULK
Date Analyzed: 03/12/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142318-001 V295-1	1st Floor S. Living Rm, Fl. Tile, Mastic Floor Tile, Tan	LAYER 1 50%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 10%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Floor Tile, White	LAYER 3 30%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 4 10%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142318-002 V295-2	1st Floor N. Living Rm, Fl. Tile, Mastic Floor Tile, Tan	LAYER 1 50%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 10%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
	Floor Tile, White	LAYER 3 30%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
	Mastic, Beige	LAYER 4 10%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142318
Report Date: 03/25/2024
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Customer PO No.:

Date Sampled: 02/20/2024
Sampled By: Eric Bresnan
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Date Received: 02/20/2024
Received By:
Sample Matrix: BULK
Date Analyzed: 03/12/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142318-003 V295-3	1st Floor N. Kitchen, Fl. Tile, Mastic Floor Tile, Tan	LAYER 1 40%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 10%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
	Floor Tile, White	LAYER 3 40%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 4 10%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142318-004 V295-4	2nd Floor Hallway Center, Fl. Tile, Mastic Floor Tile, Tan	LAYER 1 40%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 10%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
	Floor Tile, White	LAYER 3 40%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 4 10%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142318
Report Date: 03/25/2024
MCS Job No.: 24-028S
Customer PO No.:

Date Sampled: 02/20/2024
Sampled By: Eric Bresnan
Job Location: 35th Street Apt. 729

Date Received: 02/20/2024
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Sample Matrix: BULK
Date Analyzed: 03/12/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142318-005 V295-5	2nd Floor Bedroom North, Fl. Tile, Mastic					
	Floor Tile, Gray	LAYER 1 40%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 10%	None Detected		Cellulose Fiber	10%
					Non-Fibrous Material	90%
	Floor Tile, Gray and White	LAYER 3 40%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 4 10%	None Detected		Cellulose Fiber	10%
					Non-Fibrous Material	90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142318-006 V295-6	2nd Floor S. Bedroom 1, Fl. Tile, Mastic					
	Floor Tile, Tan	LAYER 1 40%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 10%	None Detected		Cellulose Fiber	10%
					Non-Fibrous Material	90%
	Floor Tile, Gray	LAYER 3 40%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 4 10%	None Detected		Cellulose Fiber	10%
					Non-Fibrous Material	90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142318
Report Date: 03/25/2024
MCS Job No.: 24-028S
Customer PO No.:

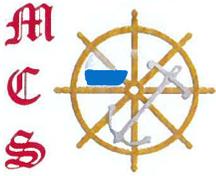
Date Sampled: 02/20/2024
Sampled By: Eric Bresnan
Job Location: 35th Street Apt. 729

Date Received: 02/20/2024
Received By:
Sample Matrix: BULK
Date Analyzed: 03/12/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142318-007	1st Floor Living Rm Closet N., Drywall, Plaster Wall					
V295-7	White Plaster, Beige Paint	LAYER 1 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Scratch Coat, Gray	LAYER 2 10%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Joint Compound and Paint, White	LAYER 3 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Paper, Brown	LAYER 4 20%	None Detected		Cellulose Fiber Non-Fibrous Material	90% 10%
	Drywall, White	LAYER 5 30%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142318
Report Date: 03/25/2024
MCS Job No.: 24-028S
Customer PO No.:

Date Sampled: 02/20/2024
Sampled By: Eric Bresnan
Job Location: 35th Street Apt. 729

Date Received: 02/20/2024
Received By:
Sample Matrix: BULK
Date Analyzed: 03/12/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142318-008	1st Floor Living Room Left Wall, Drywall, Plaster Wall					
V295-8	Joint Compound, White	LAYER 1 30%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Brown Paper, White Paint	LAYER 2 30%	None Detected		Cellulose Fiber Non-Fibrous Material	90% 10%
	Drywall, White	LAYER 3 40%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

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Sample Matrix: BULK
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Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142318-009	1st Floor Kitchen Center Wall, Drywall, Plaster Wall					
V295-9	White Plaster, Green Paint	LAYER 1 20%	None Detected		Non-Fibrous Material	100%
	Scratch Coat, Gray	LAYER 2 20%	None Detected		Non-Fibrous Material	100%
	Joint Compound, White	LAYER 3 10%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Paper, Brown	LAYER 4 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Drywall, White	LAYER 5 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Mastic, Beige	LAYER 6 10%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
Virginia Laboratory	DGS - DPOR	Lead and Copper: Drinking Water
		<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142318-010	2nd Floor N. Bedroom, Drywall, Plaster Wall					
V295-10	White Plaster, Beige Paint	LAYER 1 20%	None Detected		Non-Fibrous Material	100%
	Scratch Coat, Gray	LAYER 2 20%	None Detected		Non-Fibrous Material	100%
	White Joint Compound, Beige Paint	LAYER 3 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Brown Paper, Green Paint	LAYER 4 20%	None Detected		Cellulose Fiber Non-Fibrous Material	90% 10%
	Drywall, White	LAYER 5 20%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

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Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142318-011	2nd Floor S. Bedroom 1, Drywall, Plaster Wall					
V295-11	White Plaster, Beige Paint	LAYER 1 10%	None Detected		Non-Fibrous Material	100%
	Scratch Coat, Beige	LAYER 2 10%	None Detected		Non-Fibrous Material	100%
	Joint Compound and Paint, White	LAYER 3 10%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Paper, Brown	LAYER 4 30%	None Detected		Cellulose Fiber Non-Fibrous Material	90% 10%
	Drywall, White	LAYER 5 40%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DFOR	<u>License No.: 3333.000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142318-012	2nd Floor S. Bedroom 2, Drywall, Plaster Wall					
V295-12	White Plaster, Beige Paint	LAYER 1 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Scratch Coat, Gray	LAYER 2 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Joint Compound, White	LAYER 3 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Paper, Brown	LAYER 4 20%	None Detected		Cellulose Fiber Non-Fibrous Material	90% 10%
	Drywall, White	LAYER 5 20%	None Detected		Cellulose Fiber Non-Fibrous Material	90% 10%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142318-013	1st Floor Kitchen N., Texture Ceiling					
V295-13	White Ceiling Material, Beige Paint	LAYER 1 50%	None Detected		Non-Fibrous Material	100%
	Ceiling Material and Paint, Beige	LAYER 2 50%	None Detected		Non-Fibrous Material	100%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0142318-014 V295-14	1st Floor Living Rm S., Texture Ceiling Beige Ceiling Material, White Paint	LAYER 1 100%	None Detected	Cellulose Fiber 10% Non-Fibrous Material 90%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		
0142318-015 V295-15	1st Floor Living Rm N., Texture Ceiling Beige Ceiling Material, White Paint	LAYER 1 100%	None Detected	Cellulose Fiber 5% Non-Fibrous Material 95%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		
0142318-016 V295-16	2nd Floor Center Hallway, Texture Ceiling Beige Ceiling Material, White Paint	LAYER 1 100%	None Detected	Cellulose Fiber 5% Non-Fibrous Material 95%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		
0142318-017 V295-17	2nd Floor N. Bedroom, Texture Ceiling Beige Ceiling Material, White Paint	LAYER 1 100%	None Detected	Cellulose Fiber 5% Non-Fibrous Material 95%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected		



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Credentials Accreditation	Agency	Scope
	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No: 3333 000004</u>
		Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142318-018 V295-18	2nd Floor S. Bedroom 2, Texture Ceiling Beige Ceiling Material, White Paint	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected				
0142318-019 V295-19	1st Floor Window W., Caulk Caulking and Paint, White	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected				
0142318-020 V295-20	1st Floor E. Window, Caulk White Caulking, Beige Paint	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected				
0142318-021 V295-21	2nd Floor S. Bedroom 1, Window Caulk Caulking and Paint, White	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected				



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142318-022 V295-22	2nd Floor S. Bedroom 2, Window Caulking and Paint, White	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected				
0142318-023 V295-23	1st Floor Living Rm S., Door Caulking and Paint, White	LAYER 1 90%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Wood, Brown	LAYER 2 10%	None Detected		Cellulose Fiber Non-Fibrous Material	90% 10%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected				
0142318-024 V295-24	1st Floor Kitchen S., Door Caulking, White	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected				
0142318-025 V295-25	2nd Floor Hallway SB1, Door Caulking, White	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected				



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142318-026 V295-26	2nd Floor Hallway SB2, Door Caulk Caulking, White	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected				
0142318-027 V295-27	2nd Floor Bathroom Right, Sink Caulk White Caulking, Beige Paint	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected				
0142318-028 V295-28	2nd Floor Bathroom Left, Sink Caulk Caulk and Paint, White	LAYER 1 90%	None Detected		Non-Fibrous Material	100%
	Cementitious Material, Beige	LAYER 2 10%	None Detected		Non-Fibrous Material	100%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected				
0142318-029 V295-29	Exterior East, Shingle, Tar Black Tar, Brown Aggregate	LAYER 1 100%	None Detected		Fibrous Glass Non-Fibrous Material	20% 80%
Asbestos Present: No		Total % Asbestos: No Asbestos Detected				



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		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
Virginia Laboratory	DGS - DPOR	Lead and Copper: Drinking Water
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MCS Job No.: 24-028S
Customer PO No.:

Date Sampled: 02/20/2024
Sampled By: Eric Bresnan
Job Location: 35th Street Apt. 729

Date Received: 02/20/2024
Received By:
Sample Matrix: BULK
Date Analyzed: 03/12/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142318-030 V295-30	Exterior East, Shingle, Tar	LAYER 1 100%	None Detected		Fibrous Glass	20%
	Black Tar, Gray and Brown Aggregate				Non-Fibrous Material	80%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142318-031 V295-31	Exterior West, Shingle, Tar	LAYER 1 100%	None Detected		Fibrous Glass	20%
	Black Tar, Beige Aggregate				Non-Fibrous Material	80%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142318-032 V295-32	Exterior East, Texture Stucco	LAYER 1 50%	None Detected		Fibrous Glass	10%
	Cementitious Material, Gray				Non-Fibrous Material	90%
	Powdery Material, Beige	LAYER 2 50%	None Detected		Cellulose Fiber	5%
					Non-Fibrous Material	95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142318-033 V295-33	Exterior West, Texture Stucco	LAYER 1 100%	None Detected		Cellulose Fiber	5%
	Cementitious Material, Beige				Non-Fibrous Material	95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



Marine Chemist Service, Inc.
 11850 TUG BOAT LANE
 NEWPORT NEWS, VA 23606-2527
 TEL: (757) 873-0933 · NORFOLK (757) 640-1122
 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142318
Report Date: 03/25/2024
MCS Job No.: 24-028S
Customer PO No.:

Date Sampled: 02/20/2024
Sampled By: Eric Bresnan
Job Location: 35th Street Apt. 729

Date Received: 02/20/2024
Received By:
Sample Matrix: BULK
Date Analyzed: 03/12/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142318-034 V295-34	Exterior South, Texture Stucco	LAYER 1 100%	None Detected		Cellulose Fiber	5%
	Cementitious Material, Beige				Non-Fibrous Material	95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142318-035 V295-35	Exterior East Top, Brick, Mortar	LAYER 1 70%	None Detected		Non-Fibrous Material	100%
	Cementitious Material, Red				Non-Fibrous Material	100%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142318-036 V295-36	Exterior East Middle, Brick, Mortar	LAYER 1 50%	None Detected		Cellulose Fiber	5%
	Cementitious Material, Red				Non-Fibrous Material	95%
	Cementitious Material, Gray	LAYER 2 50%	None Detected		Fibrous Glass	10%
					Non-Fibrous Material	90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142318
Report Date: 03/25/2024
MCS Job No.: 24-028S
Customer PO No.:

Date Sampled: 02/20/2024
Sampled By: Eric Bresnan
Job Location: 35th Street Apt. 729

Date Received: 02/20/2024
Received By:
Sample Matrix: BULK
Date Analyzed: 03/12/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142318-037 V295-37	Exterior East Bottom, Brick, Mortar	LAYER 1 40%	None Detected		Cellulose Fiber	5%
	Cementitious Material, Red				Non-Fibrous Material	95%
	Cementitious Material, Gray and White	LAYER 2 60%	None Detected		Fibrous Glass	10%
					Non-Fibrous Material	90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142318-038 V295-38	Exterior East, Concrete	LAYER 1 100%	None Detected		Cellulose Fiber	5%
	Cementitious Material, Gray				Non-Fibrous Material	95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142318-039 V295-39	Exterior West, Concrete	LAYER 1 100%	None Detected		Cellulose Fiber	5%
	Cementitious Material, Gray				Non-Fibrous Material	95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142318
Report Date: 03/25/2024
MCS Job No.: 24-028S
Customer PO No.:

Date Sampled: 02/20/2024
Sampled By: Eric Bresnan
Job Location: 35th Street Apt. 729

Date Received: 02/20/2024
Received By:
Sample Matrix: BULK
Date Analyzed: 03/12/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142318-040	1st Floor S. Closet Patch, 12"x6" Dirty Brown Fl. Tile					
V295-40	Floor Tile, Beige	LAYER 1 90%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 10%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142318-041	Exterior East Patch, Shingle, Tar					
V295-41	Black Tar, Brown Aggregate	LAYER 1 100%	None Detected		Fibrous Glass Non-Fibrous Material	10% 90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142318-042	1st Floor Kitchen, HVAC Insulation					
V295-42	Jacket, Brown and Silver	LAYER 1 40%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	40% 40% 20%
	Insulation, Yellow	LAYER 2 60%	None Detected		Fibrous Glass Non-Fibrous Material	90% 10%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142318
Report Date: 03/25/2024
MCS Job No.: 24-028S
Customer PO No.:

Date Sampled: 02/20/2024
Sampled By: Eric Bresnan
Job Location: 35th Street Apt. 729

Date Received: 02/20/2024
Received By:
Sample Matrix: BULK
Date Analyzed: 03/12/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142318-043	1st Floor Living Living Rm South Closet, HVAC Insulation					
V295-43	Jacket, Brown and Silver	LAYER 1 30%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	40% 40% 20%
	Insulation, Yellow	LAYER 2 70%	None Detected		Fibrous Glass Non-Fibrous Material	90% 10%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142318-044	2nd Floor SB1 Top Pipe, HVAC Insulation					
V295-44	Jacket, Brown, Beige, and Silver	LAYER 1 40%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	40% 40% 20%
	Insulation, Orange	LAYER 2 60%	None Detected		Fibrous Glass Non-Fibrous Material	90% 10%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142318
Report Date: 03/25/2024
MCS Job No.: 24-028S
Customer PO No.:

Date Sampled: 02/20/2024
Sampled By: Eric Bresnan
Job Location: 35th Street Apt. 729

Date Received: 02/20/2024
Received By:
Sample Matrix: BULK
Date Analyzed: 03/12/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142318-045	2nd Floor SB1 Bottom Pipe, HVAC Insulation					
V295-45	Jacket, Beige and Brown	LAYER 1 40%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	40% 40% 20%
	Insulation, Orange	LAYER 2 60%	None Detected		Fibrous Glass Non-Fibrous Material	90% 10%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142318-046	2nd Floor SB1 Side Pipe, HVAC Insulation					
V295-46	Jacket, Beige and Brown	LAYER 1 40%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	40% 40% 20%
	Insulation, Orange	LAYER 2 60%	None Detected		Fibrous Glass Non-Fibrous Material	90% 10%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
Virginia Certification	NVLAP VELAP TNI	Asbestos Bulk: PLM <u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water <u>License No.: 3333.000004</u>
Virginia Laboratory	DGS - DPOR	Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142318
Report Date: 03/25/2024
MCS Job No.: 24-028S
Customer PO No.:

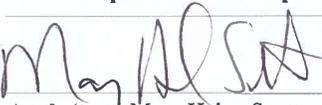
Date Sampled: 02/20/2024
Sampled By: Eric Bresnan
Job Location: 35th Street Apt. 729

Date Received: 02/20/2024
Received By:
Sample Matrix: BULK
Date Analyzed: 03/12/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
-----------------------------------	--------------------------------	----------------------	------------------	-----	----------------------------	-----


 Analyst - Mary Helen Scott


 Approved Signatory - Mary Helen Scott
 Laboratory Supervisor

Method Detection Limit: = <1%

- * Fiber concentrations were determined by visually estimating the area percentage for each type.
- * Asbestos fibers may not be detected by PLM in certain samples because of their size (<5um) or being bound with non-friable organic matrix. In such cases an alternative method of analysis may be necessary.
- * Analyzed only readily discernable layers.
- * All laboratory test results meet the applicable quality control requirements unless otherwise mentioned.
- * MCS, Inc. can not attest to nor be held responsible for the proper collection of samples and/or accuracy of the sample information provided by customers for samples not collected by MCS, Inc.
- * Test report relates only to the items tested.
- * The samples will be stored at the MCS, Inc. laboratory for a period of thirty days after the analysis. At the end of the period, it will be our policy to dispose of the samples unless prior arrangements have been made for a longer storage period.
- * This report shall not be reproduced, except in full, without the written approval of this laboratory.
- * The Report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government.
- * The Report includes Chain of Custody.



Marine Chemist Service, Inc.

11850 Tug Boat Lane • Newport News, VA 23606
(757) 873-0933 • (757) 873-1074 (fax)

www.MarineChemist.com

Customer: VIA Design LLC

Address: 319 Plume Street Norfolk VA 23510

Contact: Scott Campbell

Phone: (757) 373-7151 Fax: _____

Email: Scampbell@viadesignarchitects.com

MCS Job #: 24-0285 Customer PO: _____

Job Location: 35th Street Apt. 729

BULK Chain of Custody Form

(use separate form for each matrix)

- Building Material
- Paint
- Soil
- Other _____

Requested Turnaround Time (markup)

- Same Day (100%)
- 1-Day (75%)
- 2-Day (50%)
- 3-Day (25%)
- 4-Day (12.5%)
- 5-Day (standard)

RESULTS DUE BY: 2/27/24

ANALYSIS: PLM

MCS Use Only

Project Manager _____
 Special Instructions _____
 DO NOT MAIL Give Report To: _____
 MCS Lab Report No. 0142318 CAM 2/20/24
 Samples Acceptable to Lab Yes No By _____
 Date _____ If "No" Reason _____

Field ID	Sample Location	Sample Description	MCS Sample No.
<i>example</i>	<i>room or area</i>	<i>size / color / material</i>	<i>lab use only</i>
V295 - 1	1 st Floor South Living Rm	12" Tan/Brown FTA / Floor Tile + Mastic	0142318 - 001
V295 - 2	1 st Floor North Living Rm	12" Tan/Brown FTA / Floor Tile + Mastic	0142318 - 002
V295 - 3	1 st Floor North Kitchen	12" Tan/Brown FTA / Floor Tile + Mastic	0142318 - 003
V295 - 4	2 nd Floor Hallway Center	12" Tan/Brown FTA / Floor Tile + Mastic	0142318 - 004
V295 - 5	2 nd Floor Bedroom North	12" Tan/Brown FTA / Floor Tile + Mastic	0142318 - 005
V295 - 6	2 nd Floor South Bedroom 1	12" Tan/Brown FTA / Floor Tile + Mastic	0142318 - 006
V295 - 7	1 st Floor Living Rm Closet North	White Drywall + Plaster Wall	0142318 - 007
V295 - 8	1 st Floor Living Rm (D) Wall	White Drywall + Plaster Wall	0142318 - 008
V295 - 9	1 st Floor Kitchen Center Wall	White Drywall + Plaster Wall	0142318 - 009
V295 - 10	2 nd Floor North Bedroom	White Drywall + Plaster Wall	0142318 - 010
V295 - 11	2 nd Floor South Bedroom 1	White Drywall + Plaster Wall	0142318 - 011
V295 - 12	2 nd Floor South Bedroom 2	White Drywall + Plaster Wall	0142318 - 012
V295 - 13	1 st Floor Kitchen North	White Texture Ceiling	0142318 - 013
V295 - 14	1 st Floor Living Rm South	White Texture Ceiling	0142318 - 014
V295 - 15	1 st Floor Living Rm North	White Texture Ceiling	0142318 - 015
V295 - 16	2 nd Floor Center Hallway	White Texture Ceiling	0142318 - 016
V295 - 17	2 nd Floor North Bedroom	White Texture Ceiling	0142318 - 017
V295 - 18	2 nd Floor South Bedroom 2	White Texture Ceiling	0142318 - 018
V295 - 19	1 st Floor West Window West	White Window Caulking	0142318 - 019
V295 - 20	1 st Floor East Window	White Window Caulking	0142318 - 020

OFFICE USE ONLY:

Mailed Billing

Eric Bresnan
Sampled by (Print)

E. Brennan
Signature

02-20-24
Date/Time

Verbal _____

Eric Bresnan
Transported by (Print)

E. Brennan
Signature

02-20-24
Date/Time

Faxed _____

Carlos Mendoza
Received by (Print)

[Signature]
Signature

2/20/24 3:15pm
Date/Time

Copied _____

Emailed _____
(date and initial above areas)



Marine Chemist Service, Inc.

11850 Tug Boat Lane • Newport News, VA 23606

(757) 873-0933 • (757) 873-1074 (fax)

www.MarineChemist.com

Customer: VIA Design LLC

Address: 319 Plum Street Norfolk 23510

Contact: Scott Campbell

Phone: (757) 373-7151 Fax: _____

Email: Scampbell@viadesignarchitects.com

MCS Job #: 24-0285 Customer PO: _____

Job Location: 35th Street Apt 729

BULK Chain of Custody Form

(use separate form for each matrix)

- Building Material
- Paint
- Soil
- Other _____

Requested Turnaround Time (markup)

- Same Day (100%)
- 1-Day (75%)
- 2-Day (50%)
- 3-Day (25%)
- 4-Day (12.5%)
- 5-Day (standard)

RESULTS DUE BY: 8/27/24

ANALYSIS: PLM

MCS Use Only	
Project Manager	_____
Special Instructions	_____
DO NOT MAIL <input type="checkbox"/>	Give Report To: _____
MCS Lab Report No.	<u>0142318 CAM 2/20/24</u>
Samples Acceptable to Lab <input type="checkbox"/> Yes <input type="checkbox"/> No	By _____
Date _____	If "No" Reason _____

Field ID	Sample Location	Sample Description	MCS Sample No.
<i>example</i>	<i>room or area</i>	<i>size / color / material</i>	<i>lab use only</i>
V295-21	2 nd Floor South Bedroom 1	White Window Caulking	0142318-021
V295-22	2 nd Floor South Bedroom 2	White Window Caulking	0142318-022
V295-23	1 st Floor Living Rm South	White Door Caulking	0142318-023
V295-24	1 st Floor Kitchen South	White Door Caulking	0142318-024
V295-25	2 nd Floor Hallway SB1	White Door Caulking	0142318-025
V295-26	2 nd Floor Hallway SBZ	White Door Caulking	0142318-026
V295-27	2 nd Floor Bathroom (B)	White Sink Caulking	0142318-027
V295-28	2 nd Floor Bathroom (C)	White Sink Caulking	0142318-028
V295-29	Exterior East	Gray Shingle + Ter	0142318-029
V295-30	Exterior East	Gray Shingle + Ter	0142318-030
V295-31	Exterior West	Gray Shingle + Ter	0142318-031
V295-32	Exterior East	White Texture Stucco	0142318-032
V295-33	Exterior West	White Texture Stucco	0142318-033
V295-34	Exterior South	White Texture Stucco	0142318-034
V295-35	Exterior East Top	Red Brick + Mortar	0142318-035
V295-36	Exterior East Middle	Red Brick + Mortar	0142318-036
V295-37	Exterior East Bottom	Red Brick + Mortar	0142318-037
V295-38	Exterior East	Gray Concrete	0142318-038
V295-39	Exterior West	Gray Concrete	0142318-039
V295-40	1 st Floor South Closet Patch	12"x6" Dirty Brown FTA	0142318-040

Eric Bresnan
Sampled by (Print)

EBresnan
Signature

02-20-24
Date/Time

OFFICE USE ONLY:

Mailed Billing

Eric Bresnan
Transported by (Print)

EBresnan
Signature

02-20-24
Date/Time

Verbal _____

Faxed _____

Copied _____

Emailed _____

Carlos Mendoza
Received by (Print)

[Signature]
Signature

2/20/24 3:25pm
Date/Time

(date and initial above areas)



Marine Chemist Service, Inc.

SECTION 6 Inspection Information



Marine Chemist Service, Inc.

Inspection Information

The survey contractor for the inspection of 35th Street, Apartment 729, Newport News VA is:

**Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
www.MarineChemist.com**

The team leader responsible for quality control coordination of inspection and adherence to inspection protocol is:

**Patrick Studley - CIH
Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
PStudley@MarineChemist.com**

The AIHA and NVLAP Accredited laboratory selected to analyze the bulk samples for asbestos content by PLM, using the "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (Appendix A to Subpart F in 40 CFR Part 763) is:

**Marine Chemist Service, Inc.
Virginia Asbestos Analytical Laboratory License 3333 000004
11850 Tug Boat Lane
Newport News, Virginia 23606
(757) 873-0933**

The inspector who physically inspected the building and who have received EPA-Approved Training is:

**Eric Bresnan
Virginia Asbestos Inspector License 3303 04885
EBresnan@MarineChemist.com**

The Industrial Hygiene Inspector is employed by:

**Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606**



Marine Chemist Service, Inc.

SECTION 7 Credentials

**LIMITED ASBESTOS INSPECTION REPORT
OF
3404A MADISON AVE.
NEWPORT NEWS, VA
MCS JOB # 24-029S**



Marine Chemist Service, Inc.

11850 Tug Boat Lane, Newport News, VA 23606-2527

Phone: (757) 873-0933 · Norfolk (757) 640-1122

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www.MarineChemist.com



Marine Chemist Service, Inc.

Limited Asbestos Inspection Report

of

**3404A Madison Ave.
Newport News, VA**

on

February 22, 2024

Prepared for:

**Scott Campbell
VIA Design Architects, PC
319 Plume Street
Norfolk, VA 23510**

By

**Eric Bresnan
Virginia Asbestos Inspector License 3303004885
Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
(757) 873-0933**

May 02, 2024

Date

Inspector Signature



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Marine Chemist Service, Inc.

SECTION 1

Asbestos Inspection Report



LIMITED ASBESTOS INSPECTION OF 3404A MADISON AVE. NEWPORT NEWS, VIRGINIA

INTRODUCTION

Background and Purpose

There has been a growing public awareness of the link between the inhalation of asbestos fibers and various diseases such as asbestosis, mesothelioma, lung, and other cancers. As a result, the Asbestos Hazard Emergency Response Act (AHERA 40 CFR Part 763) for schools grades K through 12 was established by EPA.

The necessary components of an AHERA inspection require the accredited inspector to visually inspect and assess the condition of all known or assumed friable asbestos containing building materials (ACBM); to visually inspect non - friable ACBM and touch it to determine friability, and to identify homogeneous areas of friable materials.

EPA's National Emission Standards for Hazardous Air Pollutants (NESHAPS) require thorough inspections for asbestos in structures before the renovation or demolition of those structures.

Virginia law requires that if the initial building permit was issued prior to January 1, 1985, an asbestos inspection must be performed prior to the local authorities issuing a building permit.

In order to comply with NESHAPS, buildings to be renovated or demolished must be thoroughly inspected for asbestos containing building materials. Marine Chemist Service, Inc. follows the AHERA sampling protocol for interior surveys and the Virginia standard for roof surveys.

The purpose of this survey was to provide information for this property concerning the location and type of accessible and/or visible asbestos containing materials prior to renovation.

In compliance with Virginia Regulations, Marine Chemist Service Inc. performed a limited asbestos inspection of 3404A Street, located in Newport News, VA on February 22, 2024.



General Information

Marine Chemist Service, Inc. was hired by Scott Campbell of VIA Design Architects on February 20, 2024, to conduct asbestos bulk sampling for suspect asbestos-containing building materials of 3404A Madison Ave. located in Newport News, VA.

Authorization

Authorization to perform this testing was provided in the form of a phone call notice to proceed by Scott Campbell of VIA Design Architects on February 20, 2024. The building was unoccupied at the time of the inspection.

Warranty

This visual inspection and laboratory report has been prepared in accordance with AHERA and Virginia requirements and current accepted professional practices. A minimum number of bulk asbestos samples were collected to determine the presence or absence of asbestos. This inspection has been performed to provide the client with information concerning the presence of accessible and/or exposed suspect asbestos containing building materials. Destructive testing was not performed. This inspection documents conditions at the time of the inspection only. No other warranties are implied or expressed.



SURVEY METHODS

Inspection Methods

The asbestos survey was performed by a Virginia licensed asbestos inspector. A visual walk through inspection was performed to identify suspect asbestos containing materials and homogeneous areas.

Sampling Methods

The Virginia licensed asbestos inspector sampled the identified suspect materials within the homogeneous areas following the visual inspection. Sampling was not performed on any inaccessible materials and did not involve destructive testing of building components. Sample locations were selected randomly.

LABORATORY METHODS

Analysis Methods

The bulk sample was first visually observed and described. The sample was mounted onto a slide, covered with dispersion staining oil and a cover slip, and observed under a polarized light microscope (PLM). The asbestos and non-asbestos materials in the sample are identified by this method.

The PLM microscopist estimates the amounts of asbestos and non-asbestos components by determining visually the relative volume of each to the total volume of the sample.



ASBESTOS INSPECTION

Document Review and On-Site Survey

Blueprints were not provided for the inspection. A sketch was generated to indicate sample/asbestos material locations.

Identification of Suspect Asbestos Containing Materials

A visual inspection was performed on the suspect asbestos containing material found in the survey areas. The suspect asbestos containing materials are as follows:

1. Grey, Brown, and Beige Floortile and Mastic
2. Drywall and Plaster
3. Textured Ceiling
4. White Door Caulk
5. White Window Caulk
6. Yellow HVAC Insulation
7. Pink HVAC Insulation
8. Stair Tread and Mastic
9. Cementitious Material
10. Gray Caulk
11. Black Shingles and Tar
12. Beige Caulk
13. Beige Textured Stucco
14. Red Brick and Mortar



Bulk Sampling

Bulk sampling was performed on all suspect asbestos-containing materials found in the areas and the minimum number of samples were taken as required in the AHERA Standards.

Bulk samples were taken penetrating all layers of the material. The samples were at least one cubic centimeter and were placed in a sealed container at the time of collection. All precautions were taken to prevent exposure to those present in or around the facility during the collection of samples. All sampling locations were patched with an encapsulant after the sampling was complete.

Samples listed below are grouped into homogeneous areas. Homogeneous areas are areas, which are uniform by color, texture, construction/application date, and general appearance.

Some sample results in the % asbestos column may be displayed in this report with a slash between two numbers, (#/#). The first number represents the first material listed under the material location/description and the second number represents the second material listed.

When N/A is placed in the friable category it means the sample tested negative - (0) or less than one percent - ($\leq 1\%$) for asbestos and the friable description does not apply.

Samples were analyzed utilizing Polarized Light Microscopy (PLM) with dispersion staining by a NVLAP accredited laboratory (Marine Chemist Service, Inc. NVLAP Lab Code 200628-0). The results are in section 5.



SECTION 2

Sample Summary Table

3404A
Madison Ave.
Newport News, VA 23607

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
340A-1	0142352-001	1st Floor Kitchen in Front of Boiler Room, Floor Tile, Mastic: Beige/Gray Floor Tile, Gray Floor Tile, Beige Mastic	0/0/0	N/A
340A-2	0142352-002	1st Floor Living Room Center, Floor Tile, Mastic: Beige Floor Tile, Beige Mastic	0/0	N/A
340A-3	0142352-003	1st Floor Bedroom 1 East Corner, Floor Tile, Mastic: Gray/Beige Floor Tile, Beige Mastic Gray/Beige Floor Tile, Beige Mastic	0/0/0/0	N/A
340A-4	0142352-004	1st Floor Living Room East Wall, Drywall, Plaster: White Plaster and Beige/Green Paint, Beige/Gray Scratch Coat, White Joint Compound, Brown Paper, Gray Drywall	0/0/0/0/0	N/A
340A-5	0142352-005	1st Floor Bedroom 1 West Wall, Drywall, Plaster: White Plaster and Beige/Green Paint, Beige Scratch Coat, White Joint Compound, Brown Paper, Gray Drywall	0/0/0/0/0	N/A
340A-6	0142352-006	1st Floor Kitchen South Wall, Drywall, Plaster: White Plaster and Beige Paint, Beige Scratch Coat, White Joint Compound, Brown Paper, Gray Drywall	0/0/0/0/0	N/A
340A-7	0142352-007	1st Floor Living Room Bottom Stairwell, Textured Ceiling: Beige Ceiling Material and Beige/Green Paint	0	N/A
340A-8	0142352-008	1st Floor Kitchen, Textured Ceiling: White/Beige Ceiling Material and Beige/Green Paint	0	N/A
340A-9	0142352-009	1st Floor Living Room Northeast, Textured Ceiling: White/Beige Ceiling Material and Beige/Green Paint	0	N/A
340A-10	0142352-010	1st Floor Living Room West Door, White Door Caulking: White/Brown Caulking	0	N/A
340A-11	0142352-011	1st Floor Kitchen South Door, White Door Caulk: Beige/Brown Caulking	0	N/A
340A-12	0142352-012	1st Floor Living Room South Window, White Window Caulk: White Caulk and Paint, White Joint Compound	0/0	N/A
340A-13	0142352-013	1st Floor Kitchen East Window, White Window Caulk: White Wall Material and Beige Paint	0	N/A
340A-14	0142352-014	1st Floor Kitchen South Boiler Room Patch, Drywall, Plaster: White Plaster, Gray Scratch Coat, Brown Paper, Gray Drywall	0/0/0/0	N/A
340A-15	0142352-015	1st Floor Kitchen South Boiler Room, HVAC Yellow Insulation: Beige/Brown Jacket, Yellow Insulation	0/0	N/A
340A-16	0142352-016	1st Floor Kitchen North HVAC Utility Room, HVAC Yellow Insulation: Beige/Brown/Silver Jacket, Yellow Insulation	0/0	N/A

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
340A-17	0142352-017	1st Floor Kitchen North HVAC Utility Room, HVAC Yellow Insulation: Brown/Silver Jacket, Yellow Insulation	0/0	N/A
340A-18	0142352-018	1st Floor Kitchen North HVAC Utility Room, HVAC Pink Insulation: Beige/Brown/Silver Jacket, Pink Insulation	0/0	N/A
340A-19	0142352-019	1st Floor Stairwell Bottom, Stair Tread, Mastic: Brown Stair Tread, Beige Mastic	0/0	N/A
340A-20	0142352-020	1st Floor Stairwell Middle, Stair Tread, Mastic: Brown Stair Tread, Beige Mastic	0/0	N/A
340A-21	0142352-021	1st Floor Stairwell Top, Stair Tread, Mastic: Brown Stair Tread, Beige Mastic	0/0	N/A
340A-22	0142352-022	2nd Floor Top Stairwell Closet, HVAC Pink Insulation: Beige/Brown/Silver Jacket, Pink Insulation	0/0	N/A
340A-23	0142352-023	2nd Floor Top Stairwell Closet, HVAC Pink Insulation: Beige/Brown/Silver Jacket, Pink Insulation	0/0	N/A
340A-24	0142352-024	2nd Floor Top Stairwell Closet, HVAC Pink Insulation: Beige/Brown/Silver Jacket, Pink Insulation	0/0	N/A
340A-25	0142352-025	2nd Floor Top Stairwell Closet, HVAC Yellow Insulation: Beige/Brown/Silver Jacket, Yellow Insulation	0/0	N/A
340A-26	0142352-026	2nd Floor Top Stairwell Closet, HVAC Yellow Insulation: Beige/Brown/Silver Jacket, Yellow Insulation	0/0	N/A
340A-27	0142352-027	2nd Floor Top Stairwell Closet, HVAC Yellow Insulation: Beige/Brown/Silver Jacket, Yellow Insulation	0/0	N/A
340A-28	0142352-028	2nd Floor Bedroom 2 Center Floor, Floor Tile Mastic: Beige Floor Tile, Beige Mastic, Beige Floor Tile, Beige Mastic	0/0/0/0	N/A
340A-29	0142352-029	2nd Floor Bedroom 3 Center Floor, Floor Tile Mastic: Beige Floor Tile, Beige Mastic, Gray Floor Tile, Beige Mastic	0/0/0/0	N/A
340A-30	0142352-030	2nd Floor Bedroom 4 Center Floor, Floor Tile Mastic: Beige Floor Tile, Beige Mastic, Gray Floor Tile, Beige Mastic	0/0/0/0	N/A
340A-31	0142352-031	2nd Floor Bedroom 2 West Wall, Drywall, Plaster: White Plaster and Beige Paint, Beige Scratch Coat, White Joint Compound and Beige Paint, Brown Paper, Gray Drywall	0/0/0/0/0	N/A
340A-32	0142352-032	2nd Floor Bedroom 3 North Wall, Drywall, Plaster: White Plaster and Beige Paint, Beige Scratch Coat, White Joint Compound and Beige Paint, Brown Paper, Gray Drywall	0/0/0/0/0	N/A
340A-33	0142352-033	2nd Floor Bedroom 4 East Wall, Drywall, Plaster: White Plaster and Beige Paint, Beige Scratch Coat, White Joint Compound and Beige Paint, Brown Paper, Gray Drywall	0/0/0/0/0	N/A

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
340A-34	0142352-034	2nd Floor Bedroom 2 South Ceiling, Textured Ceiling: White Ceiling Material and Beige Paint	0	N/A
340A-35	0142352-035	2nd Floor Bedroom 3 West Ceiling, Textured Ceiling: White Ceiling Material and Blue/Beige Paint	0	N/A
340A-36	0142352-036	2nd Floor Bedroom 2 West Ceiling, Textured Ceiling: White Ceiling Material and Beige Paint	0	N/A
340A-37	0142352-037	2nd Floor Bedroom 2 West Closet Door, White Door Caulk: Beige Caulking and Paint, Beige Pain	0/0	N/A
340A-38	0142352-038	2nd Floor Bedroom 3 East Closet Door, White Door Caulk: Beige Caulking, White Wall Material	0/0	N/A
340A-39	0142352-039	2nd Floor Bedroom 2 East Window, White Window Caulk: Beige Caulk and Paint	0	N/A
340A-40	0142352-040	2nd Floor Bedroom 2 South Window, White Window Caulk: Beige Caulk and Black Paint	0	N/A
340A-41	0142352-041	Exterior East in Front of Door, Cementitious Material: White Cementitious Material and Beige Paint	0	N/A
340A-42	0142352-042	Exterior East Under A/C Unit, Cementitious Material: Gray Cementitious Material and Brown Paint	0	N/A
340A-43	0142352-043	Exterior Southeast Corner Wall, Gray Caulk: Gray Caulking	0	N/A
340A-44	0142352-044	Exterior South Center Wall, Gray Caulk: Gray Caulking, Brown Wood	0/0	N/A
340A-45	0142352-045	Exterior East Roof Center, Black Shingles, Tar: Black Tar and Gray Aggregate, Black Tar, Green/Gray Aggregate, Black Tar Paper	0/0/0	N/A
340A-46	0142352-046	Exterior South Roof Center, Black Shingle, Tar: Black Tar and Gray Aggregate, Black Tar and Green Aggregate, Black Tar Paper	0/0/0	N/A
340A-47	0142352-047	Exterior West Roof Center, Black Shingles, Tar: Black Tar and Gray Aggregate, Black Tar and Green Aggregate, Black Tar Paper	0/0/0	N/A
340A-48	0142352-048	Exterior East Center Wall Caulk Patch, Beige Caulk: Beige Caulking, Gray Cementitious Material	0/0	N/A
340A-49	0142352-049	Exterior Southeast Corner Wall, Beige Textured Stucco, Brick, Mortar: Gray Cementitious Material, Red Cementitious Material, Blue Foam	0/0/0	N/A
340A-50	0142352-050	Exterior South Center Wall, Beige Textured Stucco, Brick, Mortar: Gray Cementitious Material, Red Cementitious Material, Blue Foam	0/0/0	N/A
340A-51	0142352-051	Exterior West Center Wall, Beige Textured Stucco, Brick, Mortar: Gray Cementitious Material, Red Cementitious Material, Blue Foam	0/0/0	N/A



Comments

1. None of the sampled materials tested positive for asbestos.
2. When any layer of flooring tests positive for asbestos (floor tile, linoleum, or adhesive/mastic), all adhered layers are considered as 1 homogeneous material that cannot be separated and must be removed as one material during abatement removal operations.
3. Asbestos might be found within walls, ceiling and or pipe chases during the renovation or demolition of the building. If any suspect materials are found, they should treated as asbestos or tested for asbestos.



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SECTION 3 General Legend and Notes

GENERAL LEGEND

O - Sample number/location - non-asbestos

△ - Sample number/location - contains asbestos

GENERAL NOTES

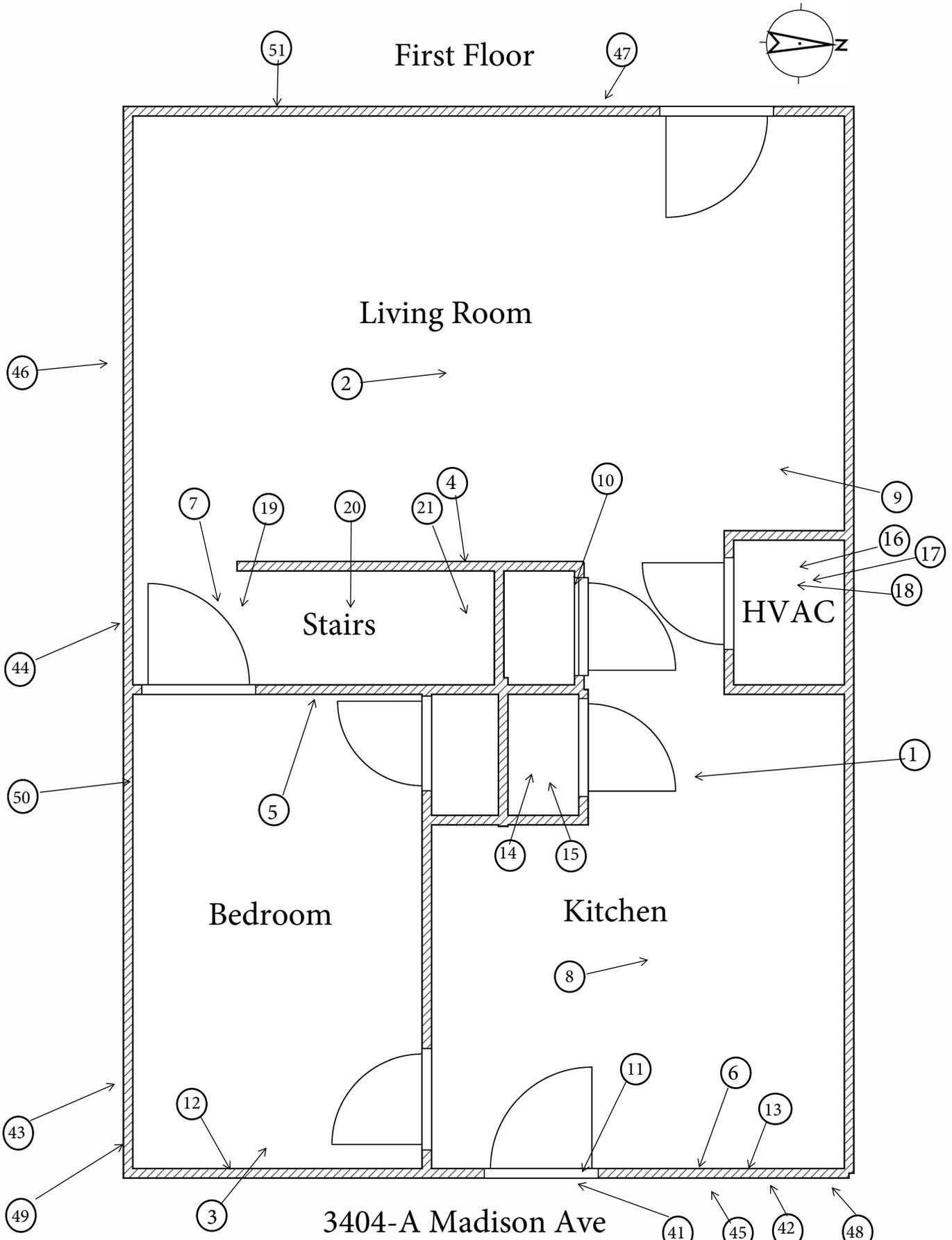
1. The EPA definition of a friable material is one that contains more than 1% asbestos by weight and can be crumbled, pulverized or reduced to a powder by hand pressure when dry, or which under normal use or maintenance emits or can be expected to emit asbestos fibers into the air.
2. All quantities are approximate.
3. Sketches are not to scale.



Marine Chemist Service, Inc.

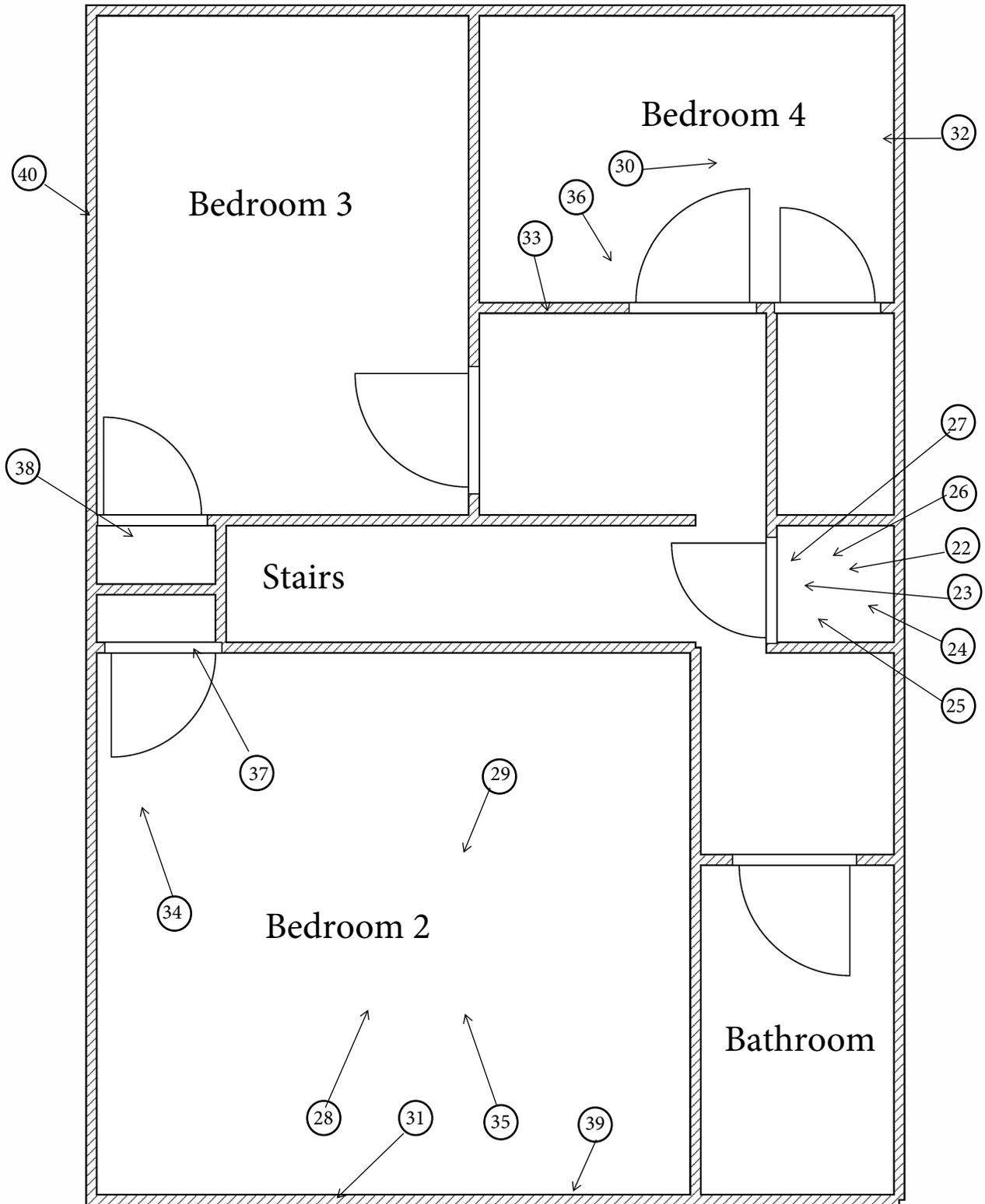
SECTION 4

Survey Sample Location Sketches



3404-A Madison Ave
Newport News, Virginia

Second Floor



3404-A Madison Ave
Newport News, Virginia



Marine Chemist Service, Inc.

SECTION 5 Reports of Analysis



Marine Chemist Service, Inc.
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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142352
Report Date: 04/01/2024
MCS Job No.: 24-029S
Customer PO No.:

Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404A Madison Ave.

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/16/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142352-001	1st Floor Kitchen in Front of Boiler Room, Floor Tile, Mastic					
340A-1	Floor Tile, Beige and Gray	LAYER 1 50%	None Detected		Non-Fibrous Material	100%
	Floor Tile, Gray	LAYER 2 40%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 3 10%	None Detected		Cellulose Fiber	5%
					Non-Fibrous Material	95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142352-002	1st Floor Living Room Center, Floor Tile, Mastic					
340A-2	Floor Tile, Beige	LAYER 1 90%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 10%	None Detected		Cellulose Fiber	5%
					Non-Fibrous Material	95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142352-003	1st Floor Bedroom 1 East Corner, Floor Tile, Mastic					
340A-3	Floor Tile, Gray and Beige	LAYER 1 40%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 10%	None Detected		Cellulose Fiber	5%
					Non-Fibrous Material	95%
	Floor Tile, Gray and Beige	LAYER 3 40%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 4 10%	None Detected		Cellulose Fiber	10%
					Non-Fibrous Material	90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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	TNI	RCRA 8 Metals: TCLP & NPW
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142352-004	1st Floor Living Room East Wall, Drywall, Plaster					
340A-4	White Plaster, Beige and Green Paint	LAYER 1 20%	None Detected		Non-Fibrous Material	100%
	Scratch Coat, Beige and Gray	LAYER 2 20%	None Detected		Cellulose Fiber	5%
					Non-Fibrous Material	95%
	Joint Compound, White	LAYER 3 20%	None Detected		Cellulose Fiber	5%
					Non-Fibrous Material	95%
	Paper, Brown	LAYER 4 20%	None Detected		Cellulose Fiber	90%
					Non-Fibrous Material	10%
	Drywall, Gray	LAYER 5 20%	None Detected		Cellulose Fiber	10%
					Non-Fibrous Material	90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
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0142352-005	1st Floor Bedroom 1 West Wall, Drywall, Plaster					
340A-5	White Plaster, Beige and Green Paint	LAYER 1 20%	None Detected		Non-Fibrous Material	100%
	Scratch Coat, Beige	LAYER 2 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Joint Compound, White	LAYER 3 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Paper, Brown	LAYER 4 20%	None Detected		Cellulose Fiber Non-Fibrous Material	90% 10%
	Drywall, Gray	LAYER 5 20%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142352
Report Date: 04/01/2024
MCS Job No.: 24-029S
Customer PO No.:

Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404A Madison Ave.

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/16/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142352-006	1st Floor Kitchen South Wall, Drywall, Plaster					
340A-6	White Plaster, Beige Paint	LAYER 1 20%	None Detected		Non-Fibrous Material	100%
	Scratch Coat, Beige	LAYER 2 20%	None Detected		Non-Fibrous Material	100%
	Joint Compound, White	LAYER 3 20%	None Detected		Cellulose Fiber	5%
					Non-Fibrous Material	95%
	Paper, Brown	LAYER 4 20%	None Detected		Cellulose Fiber	90%
					Non-Fibrous Material	10%
	Drywall, Gray	LAYER 5 20%	None Detected		Cellulose Fiber	10%
					Non-Fibrous Material	90%
	Asbestos Present: No	Total % Asbestos:	No Asbestos Detected			
0142352-007	1st Floor Living Room Bottom Stairwell, Textured Ceiling					
340A-7	Beige Ceiling Material, Beige and Green Paint	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
	Asbestos Present: No	Total % Asbestos:	No Asbestos Detected			



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www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
Virginia Laboratory	DGS - DPOR	Lead and Copper: Drinking Water
		<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142352-008 340A-8	1st Floor Kitchen, Textured Ceiling White and Beige Ceiling Material, Beige and Green Paint	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142352-009 340A-9	1st Floor Living Room North East, Textured Ceiling White and Beige Ceiling Material, Beige and Green Paint	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142352-010 340A-10	1st Floor Living Room West Door, White Door Caulking Caulking, White and Brown	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142352-011 340A-11	1st Floor Kitchen South Door, White Door Caulk Caulking, Beige and Brown	LAYER 1 100%	None Detected		Non-Fibrous Material	100%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142352-012	1st Floor Living Room South Window, White Window Caulk					
340A-12	Caulking and Paint, White	LAYER 1 90%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Joint Compound, White	LAYER 2 10%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Asbestos Present: No	Total % Asbestos:	No Asbestos Detected			
0142352-013	1st Floor Kitchen East Window, White Window Caulk					
340A-13	White Wall Material, Beige Paint	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Asbestos Present: No	Total % Asbestos:	No Asbestos Detected			



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	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
Virginia Laboratory	DGS - DPOR	Lead and Copper: Drinking Water
		<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142352-014	1st Floor Kitchen South Boiler Room Patch, Drywall, Plaster					
340A-14	Plaster, White	LAYER 1 10%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Scratch Coat, Gray	LAYER 2 10%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Paper, Brown	LAYER 3 30%	None Detected		Cellulose Fiber Non-Fibrous Material	90% 10%
	Drywall, Gray	LAYER 4 50%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142352-015	1st Floor Kitchen South Boiler Room, HVAC Yellow Insulation					
340A-15	Jacket, Beige and Brown	LAYER 1 40%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	40% 40% 20%
	Insulation, Yellow	LAYER 2 60%	None Detected		Fibrous Glass Non-Fibrous Material	90% 10%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142352-016	1st Floor Kitchen North HVAC Utility Room, HVAC Yellow Insulation					
340A-16	Jacket, Beige, Brown, and Silver	LAYER 1 30%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	40% 40% 20%
	Insulation, Yellow	LAYER 2 70%	None Detected		Fibrous Glass Non-Fibrous Material	90% 10%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142352-017	1st Floor Kitchen North HVAC Utility Room, HVAC Yellow Insulation					
340A-17	Jacket, Brown and Silver	LAYER 1 40%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	40% 40% 20%
	Insulation, Yellow	LAYER 2 60%	None Detected		Fibrous Glass Non-Fibrous Material	90% 10%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
Virginia Certification	NVLAP VELAP TNI	Asbestos Bulk: PLM <u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142352-018	1st Floor Kitchen North HVAC Utility Room, HVAC Pink Insulation					
340A-18	Jacket, Beige, Brown, and Silver	LAYER 1 50%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	40% 40% 20%
	Insulation, Pink	LAYER 2 50%	None Detected		Fibrous Glass Non-Fibrous Material	90% 10%
	Asbestos Present: No	Total % Asbestos:	No Asbestos Detected			
0142352-019	1st Floor Stairwell Bottom, Stair Tread, Mastic					
340A-19	Stair Tread, Brown	LAYER 1 80%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Asbestos Present: No	Total % Asbestos:	No Asbestos Detected			



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Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
Virginia Laboratory	DGS - DPOR	Lead and Copper: Drinking Water
		<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142352-020	1st Floor Stairwell Middle, Stair Tread, Mastic					
340A-20	Stair Tread, Brown	LAYER 1 80%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 20%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142352-021	1st Floor Stairwell Top, Stair Tread, Mastic					
340A-21	Stair Tread, Brown	LAYER 1 90%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 10%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142352-022	2nd Floor Top Stairwell Closet, HVAC Pink Insulation					
340A-22	Jacket, Beige, Brown, and Silver	LAYER 1 40%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	40% 40% 20%
	Insulation, Pink	LAYER 2 60%	None Detected		Fibrous Glass Non-Fibrous Material	90% 10%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142352-023	2nd Floor Top Stairwell Closet, HVAC Pink Insulation					
340A-23	Jacket, Beige, Brown, and Silver	LAYER 1 50%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	40% 40% 20%
	Insulation, Pink	LAYER 2 50%	None Detected		Fibrous Glass Non-Fibrous Material	90% 10%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142352-024	2nd Floor Top Stairwell Closet, HVAC Pink Insulation					
340A-24	Jacket, Beige, Brown, and Silver	LAYER 1 50%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	40% 40% 20%
	Insulation, Pink	LAYER 2 50%	None Detected		Fibrous Glass Non-Fibrous Material	90% 10%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142352-025	2nd Floor Top Stairwell Closet, HVAC Yellow Insulation					
340A-25	Jacket, Beige, Brown, and Silver	LAYER 1 50%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	40% 40% 20%
	Insulation, Yellow	LAYER 2 50%	None Detected		Fibrous Glass Non-Fibrous Material	90% 10%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142352-026	2nd Floor Top Stairwell Closet, HVAC Yellow Insulation					
340A-26	Jacket, Beige, Brown, and Silver	LAYER 1 50%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	40% 40% 20%
	Insulation, Yellow	LAYER 2 50%	None Detected		Fibrous Glass Non-Fibrous Material	90% 10%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142352-027	2nd Floor Top Stairwell Closet, HVAC Yellow Insulation					
340A-27	Jacket, Beige, Brown, and Silver	LAYER 1 40%	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	40% 40% 20%
	Insulation, Yellow	LAYER 2 60%	None Detected		Fibrous Glass Non-Fibrous Material	90% 10%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142352-028	2nd Floor Bedroom 2 Center Floor, Floor Tile, Mastic					
340A-28	Floor Tile, Beige	LAYER 1 40%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 10%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Floor Tile, Beige	LAYER 3 40%	None Detected		Non-Asbestos Residue	100%
	Mastic, Beige	LAYER 4 10%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142352
Report Date: 04/01/2024
MCS Job No.: 24-029S
Customer PO No.:

Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404A Madison Ave.

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/16/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142352-029	2nd Floor Bedroom 3 Center Floor, Floor Tile, Mastic					
340A-29	Floor Tile, Beige	LAYER 1 50%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 10%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Floor Tile, Gray	LAYER 3 30%	None Detected		Non-Asbestos Residue	100%
	Mastic, Beige	LAYER 4 10%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

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Job Location: 3404A Madison Ave.

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Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/16/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142352-030	2nd Floor Bedroom 4 Center Floor, Floor Tile, Mastic					
340A-30	Floor Tile, Beige	LAYER 1 40%	None Detected		Non-Fibrous Material	100%
	Mastic, Beige	LAYER 2 10%	None Detected		Cellulose Fiber	10%
					Non-Fibrous Material	90%
	Floor Tile, Gray	LAYER 3 40%	None Detected		Non-Asbestos Residue	100%
	Mastic, Beige	LAYER 4 10%	None Detected		Cellulose Fiber	5%
					Non-Fibrous Material	95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

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Sampled By: Aaron Barry
Job Location: 3404A Madison Ave.

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Sample Matrix: BULK
Date Analyzed: 03/16/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142352-031	2nd Floor Bedroom 2 West Wall, Drywall, Plaster					
340A-31	White Plaster, Beige Paint	LAYER 1 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Scratch Coat, Beige	LAYER 2 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	White Joint Compound, Beige Paint	LAYER 3 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Paper, Brown	LAYER 4 20%	None Detected		Cellulose Fiber Non-Fibrous Material	90% 10%
	Drywall, Gray	LAYER 5 20%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

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Date Analyzed: 03/16/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142352-032	2nd Floor Bedroom 3 North Wall, Drywall, Plaster					
340A-32	White Plaster, Beige Paint	LAYER 1 20%	None Detected		Non-Fibrous Material	100%
	Scratch Coat, Beige	LAYER 2 20%	None Detected		Cellulose Fiber	5%
					Non-Fibrous Material	95%
	White Joint Compound, Beige Paint	LAYER 3 10%	None Detected		Cellulose Fiber	5%
					Non-Fibrous Material	95%
	Paper, Brown	LAYER 4 20%	None Detected		Cellulose Fiber	90%
					Non-Fibrous Material	10%
	Drywall, Gray	LAYER 5 30%	None Detected		Cellulose Fiber	10%
					Non-Fibrous Material	90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

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Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142352-033	2nd Floor Bedroom 4 East Wall, Drywall, Plaster					
340A-33	White Plaster, Beige Paint	LAYER 1 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Scratch Coat, Beige	LAYER 2 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	White Joint Compound, Beige Paint	LAYER 3 20%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Paper, Brown	LAYER 4 20%	None Detected		Cellulose Fiber Non-Fibrous Material	90% 10%
	Drywall, Gray	LAYER 5 20%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
	Asbestos Present: No	Total % Asbestos:	No Asbestos Detected			
0142352-034	2nd Floor Bedroom 2 South Ceiling, Textured Ceiling					
340A-34	White Ceiling Material, Beige Paint	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Asbestos Present: No	Total % Asbestos:	No Asbestos Detected			



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

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Job Location: 3404A Madison Ave.

Date Received: 02/22/2024
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Date Analyzed: 03/16/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142352-035 340A-35	2nd Floor Bedroom 3 West Ceiling, Textured Ceiling White Ceiling Material, Blue and Beige Paint	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142352-036 340A-36	2nd Floor Bedroom 4 West Ceiling, Textured Ceiling White Ceiling Material, Beige Paint	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	10% 90%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142352-037 340A-37	2nd Floor Bedroom 2 West Closet Door, White Door Caulk Caulking and Paint, Beige Paper, Beige	LAYER 1 90% LAYER 2 10%	None Detected		Non-Fibrous Material Cellulose Fiber Non-Fibrous Material	100% 90% 10%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142352-038	2nd Floor Bedroom 3 East Closet Door, White Door Caulk					
340A-38	Caulking, Beige	LAYER 1 90%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Wall Material, White	LAYER 2 10%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Asbestos Present: No	Total % Asbestos:	No Asbestos Detected			
0142352-039	2nd Floor Bedroom 2 East Window, White Window Caulk					
340A-39	Caulk and Paint, Beige	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Asbestos Present: No	Total % Asbestos:	No Asbestos Detected			
0142352-040	2nd Floor Bedroom 3 South Window, White Window Caulk					
340A-40	Beige Caulk, Black Paint	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Asbestos Present: No	Total % Asbestos:	No Asbestos Detected			



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Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142352-041 340A-41	Exterior East in Front of Door, Cementitious Material White Cementitious Material, Beige Paint	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142352-042 340A-42	Exterior East Under A/C Unit, Cementitious Material Gray Cementitious Material, Brown Paint	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142352-043 340A-43	Exterior South East Corner Wall, Gray Caulk Caulking, Gray	LAYER 1 100%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142352-044 340A-44	Exterior South Center Wall, Gray Caulk					
	Caulking, Gray	LAYER 1 60%	None Detected		Cellulose Fiber Non-Fibrous Material	5% 95%
	Wood, Brown	LAYER 2 40%	None Detected		Cellulose Fiber Non-Fibrous Material	90% 10%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		
0142352-045 340A-45	Exterior East Roof Center, Black Shingles, Tar					
	Black Tar, Gray Aggregate	LAYER 1 40%	None Detected		Fibrous Glass Non-Fibrous Material	20% 80%
	Black Tar, Green, Gray Aggregate	LAYER 2 40%	None Detected		Fibrous Glass Non-Fibrous Material	20% 80%
	Tar Paper, Black	LAYER 3 20%	None Detected		Cellulose Fiber Non-Fibrous Material	80% 20%
Asbestos Present: No		Total % Asbestos:		No Asbestos Detected		



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142352-046	Exterior South Roof Center, Black Shingles, Tar					
340A-46	Black Tar, Gray Aggregate	LAYER 1 30%	None Detected		Fibrous Glass Non-Fibrous Material	20% 80%
	Black Tar, Green Aggregate	LAYER 2 30%	None Detected		Fibrous Glass Non-Fibrous Material	20% 80%
	Tar Paper, Black	LAYER 3 40%	None Detected		Cellulose Fiber Non-Fibrous Material	80% 20%
	Asbestos Present: No	Total % Asbestos:	No Asbestos Detected			
0142352-047	Exterior West Roof Center, Black Shingles, Tar					
340A-47	Black Tar, Gray Aggregate	LAYER 1 40%	None Detected		Fibrous Glass Non-Fibrous Material	20% 80%
	Black Tar, Green Aggregate	LAYER 2 40%	None Detected		Fibrous Glass Non-Fibrous Material	20% 80%
	Tar Paper, Black	LAYER 3 20%	None Detected		Cellulose Fiber Non-Fibrous Material	80% 20%
	Asbestos Present: No	Total % Asbestos:	No Asbestos Detected			



Marine Chemist Service, Inc.
 11850 TUG BOAT LANE
 NEWPORT NEWS, VA 23606-2527
 TEL: (757) 873-0933 · NORFOLK (757) 640-1122
 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142352
Report Date: 04/01/2024
MCS Job No.: 24-029S
Customer PO No.:

Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404A Madison Ave.

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/16/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type (%)	Non-Asbestos Components (%)
0142352-048 340A-48	Exterior East Center Wall Caulk Patch, Beige Caulk			
	Caulking, Beige	LAYER 1 80%	None Detected	Non-Fibrous Material 100%
	Cementitious Material, Gray	LAYER 2 20%	None Detected	Fibrous Glass 10% Non-Fibrous Material 90%
	Asbestos Present: No	Total % Asbestos:	No Asbestos Detected	
0142352-049 340A-49	Exterior South East Corner Wall, Beige Textured Stucco, Brick, Mortar			
	Cementitious Material, Gray	LAYER 1 40%	None Detected	Fibrous Glass 10% Non-Fibrous Material 90%
	Cementitious Material, Red	LAYER 2 20%	None Detected	Non-Fibrous Material 100%
	Foam, Blue	LAYER 3 40%	None Detected	Non-Fibrous Material 100%
	Asbestos Present: No	Total % Asbestos:	No Asbestos Detected	



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www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142352
Report Date: 04/01/2024
MCS Job No.: 24-029S
Customer PO No.:

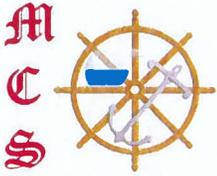
Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404A Madison Ave.

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/16/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No. Layer %	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142352-050	Exterior South Center Wall, Beige Textured Stucco, Brick, Mortar					
340A-50	Cementitious Material, Gray	LAYER 1 50%	None Detected		Fibrous Glass Non-Fibrous Material	10% 90%
	Cementitious Material, Red	LAYER 2 10%	None Detected		Non-Fibrous Material	100%
	Foam, Blue	LAYER 3 40%	None Detected		Non-Fibrous Material	100%
	Asbestos Present: No	Total % Asbestos:	No Asbestos Detected			
0142352-051	Exterior West Center Wall, Beige Textured Stucco, Brick, Mortar					
340A-51	Cementitious Material, Gray	LAYER 1 70%	None Detected		Fibrous Glass Non-Fibrous Material	10% 90%
	Cementitious Material, Red	LAYER 2 10%	None Detected		Non-Fibrous Material	100%
	Foam, Blue	LAYER 3 20%	None Detected		Non-Fibrous Material	100%
	Asbestos Present: No	Total % Asbestos:	No Asbestos Detected			



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 FAX: (757) 873-1074 · NORFOLK (757) 625-5696
www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142352
Report Date: 04/01/2024
MCS Job No.: 24-029S
Customer PO No.:

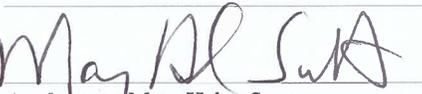
Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404A Madison Ave.

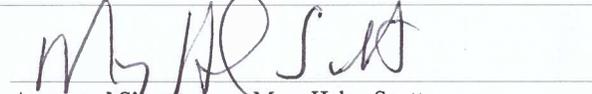
Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/16/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No.	Sample Location	Layer No.	Asbestos	Non-Asbestos
Field Sample ID	Description	Layer %	Type (%)	Components (%)


Analyst - Mary Helen Scott


Approved Signatory - Mary Helen Scott
 Laboratory Supervisor

Method Detection Limit: = <1%

- * Fiber concentrations were determined by visually estimating the area percentage for each type.
- * Asbestos fibers may not be detected by PLM in certain samples because of their size (<5um) or being bound with non-friable organic matrix. In such cases an alternative method of analysis may be necessary.
- * Analyzed only readily discernable layers.
- * All laboratory test results meet the applicable quality control requirements unless otherwise mentioned.
- * MCS, Inc. can not attest to nor be held responsible for the proper collection of samples and/or accuracy of the sample information provided by customers for samples not collected by MCS, Inc.
- * Test report relates only to the items tested.
- * The samples will be stored at the MCS, Inc. laboratory for a period of thirty days after the analysis. At the end of the period, it will be our policy to dispose of the samples unless prior arrangements have been made for a longer storage period.
- * This report shall not be reproduced, except in full, without the written approval of this laboratory.
- * The Report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government.
- * The Report includes Chain of Custody.



Marine Chemist Service, Inc.

11850 Tug Boat Lane • Newport News, VA 23606

(757) 873-0933 • (757) 873-1074 (fax)

www.MarineChemist.com

Customer: VIA Design LLC

Address: 319 Plume Street, Norfolk, VA, 23510

Contact: Scott Campbell

Phone: 757-627-1489

Fax: _____

Email: scampbell@viadesignarchitects.com

MCS Job #: 24-0295

Customer PO: _____

Job Location: 3404A Madison Ave

BULK Chain of Custody Form

(use separate form for each matrix)

- Requested Turnaround Time (markup)
[X] Building Material
[] Paint
[] Soil
[] Other
[] Same Day (100%)
[] 1-Day (75%)
[] 2-Day (50%)
[] 3-Day (25%)
[] 4-Day (12.5%)
[X] 5-Day (standard)

RESULTS DUE BY: 02/29/2024

ANALYSIS: PLM

* Interior Samples Only

MCS Use Only
Project Manager
Special Instructions
DO NOT MAIL
Give Report To:
MCS Lab Report No. 0142352 CAM 2/22
Samples Acceptable to Lab [X] Yes [] No By
Date If "No" Reason

Table with 4 columns: Field ID, Sample Location, Sample Description, MCS Sample No.
Rows include: 3404A-1 1st Floor Kitchen in front of Boiler Room, 3404A-2 1st Floor Living room center, 3404A-3 1st Floor Bedroom 1 east corner, etc.

Aaron Barry
Sampled by (Print)

Aaron Barry
Signature

02/22/2024
Date/Time

OFFICE USE ONLY:

Mailed [] Billing []

Aaron Barry
Transported by (Print)

Aaron Barry
Signature

02/22/2024
Date/Time

Verbal

Faxed

Copied

Emailed

Carlos Mendoza
Received by (Print)

Signature

2/22/24 4:14pm
Date/Time

(date and initial above areas)



Marine Chemist Service, Inc.

11850 Tug Boat Lane • Newport News, VA 23606

(757) 873-0933 • (757) 873-1074 (fax)

www.MarineChemist.com

Customer: VIA Design LLC

Address: 319 Plum Street, Norfolk, VA, 23510

Contact: Scott Campbell

Phone: 757-627-1489

Fax: _____

Email: scampbell@viadesignarchitects.com

MCS Job #: 24-0295

Customer PO: _____

Job Location: 3404A Madison Ave

BULK Chain of Custody Form

(use separate form for each matrix)

- Building Material
Paint
Soil
Other

Requested Turnaround Time (markup)

- Same Day (100%)
1-Day (75%)
2-Day (50%)
3-Day (25%)
4-Day (12.5%)
5-Day (standard)

RESULTS DUE BY: 02/29/2024

ANALYSIS: PLM

*Interior Samples Only

MCS Use Only
Project Manager
Special Instructions
DO NOT MAIL
Give Report To:
MCS Lab Report No. 0142352 CAM 2/22/24
Samples Acceptable to Lab
Date If "No" Reason

Table with 4 columns: Field ID, Sample Location, Sample Description, MCS Sample No. Rows include 3404A-21 to 3404A-40 with details on room/area, size/color/material, and lab use only.

Aaron Barry
Sampled by (Print)
Aaron Barry
Transported by (Print)
Carlos Mendoza
Received by (Print)

Aaron Barry
Signature
Aaron Barry
Signature

02/22/2024
Date/Time
02/22/2024
Date/Time
2/22/24 4:14
Date/Time

OFFICE USE ONLY:
Mailed
Billing
Verbal
Faxed
Copied
Emailed
(date and initial above areas)



Marine Chemist Service, Inc.

SECTION 6 Inspection Information



Marine Chemist Service, Inc.

Inspection Information

The survey contractor for the inspection of 3404A Madison Ave., Newport News VA is:

**Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
www.MarineChemist.com**

The team leader responsible for quality control coordination of inspection and adherence to inspection protocol is:

**Patrick Studley - CIH
Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
PStudley@MarineChemist.com**

The AIHA and NVLAP Accredited laboratory selected to analyze the bulk samples for asbestos content by PLM, using the "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (Appendix A to Subpart F in 40 CFR Part 763) is:

**Marine Chemist Service, Inc.
Virginia Asbestos Analytical Laboratory License 3333 000004
11850 Tug Boat Lane
Newport News, Virginia 23606
(757) 873-0933**

The inspector who physically inspected the building and who have received EPA-Approved Training is:

**Eric Bresnan
Virginia Asbestos Inspector License 3303 04885
EBresnan@MarineChemist.com**

The Industrial Hygiene Inspector is employed by:

**Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606**



Marine Chemist Service, Inc.

SECTION 7 Credentials

The Board for Global EHS Credentialing (BGC)

through its vested authority, hereby confirms that

Patrick Gene Studley

has met all requirements of education, experience, and examination, and on-going maintenance set forth through the BGC's American Board of Industrial Hygiene® (ABIH®) credentialing division for re-certification in the Comprehensive Practice of Industrial Hygiene and is thereby conferred the credential of

Certified Industrial Hygienist® (CIH®)

The aforementioned individual is given all rights, privileges, and responsibilities as both a diplomate of the BGC and holder of the CIH credential, provided that the credential is not suspended or revoked, and it is renewed annually. Moreover, the holder must meet all recertification requirements, including the obligation to practice ethically as prescribed by the BGC.



Credential Number: 11321 CP
Award Date: May 31, 2017
Expiration Date: December 1, 2027

Thomas G. Grumbles, CIH, CPPS, FAIHA
Chair of the Board of Directors

Ulric K. Chung, MCS, PhD
Chief Executive Officer and Secretary



COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON
05-31-2024

NUMBER
3303004885

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE



ERIC BRESNAN
11850 TUG BOAT LN
NEWPORT NEWS, VA 23606



Dominick J. Meis
Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)



(DETACH HERE)

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE
NUMBER: 3303004885 EXPIRES: 05-31-2024

ERIC BRESNAN
11850 TUG BOAT LN
NEWPORT NEWS, VA 23606



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)

LICENSE PRIVILEGES AND INSTRUCTIONS

This license, certificate, or registration is issued to the individual or business named on the front of this document and is **NOT TRANSFERABLE**. Notify the Board of changes to name (individual, business, and/or trade), mailing address, or location.

The privileges of this license, certificate, or registration are hereby granted to the individual or business to operate in accordance with the terms of the license, certificate, or registration herein designated and the applicable statutes of the Commonwealth of Virginia and the regulations of the Board.

The privileges conferred by this license, certificate, or registration shall continue until the expiration date. However, the license, certificate, or registration may be suspended or revoked prior to expiration.

Information about our agency, boards, and programs can be found at <http://www.dpor.virginia.gov>. Any questions relative to the issuance, privileges and maintenance of your license, certificate, or registration should be addressed to the Board.

THIS DOCUMENT AND POCKET CARD CONTAIN SECURITY FEATURES. ALTERATION OF THIS DOCUMENT OR A POCKET CARD, USE AFTER EXPIRATION, OR USE BY ANOTHER INDIVIDUAL OR BUSINESS MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

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COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

08-31-2024

NUMBER

3333000004

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS ANALYTICAL LABORATORY LICENSE
PCM PLM



MARINE CHEMIST SERVICE INC
11850 TUG BOAT LANE
NEWPORT NEWS, VA 23606-0000



Donna J. Miller
Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)



COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS ANALYTICAL LABORATORY LICENSE

PCM PLM

NUMBER: 3333000004 EXPIRES: 08-31-2024

MARINE CHEMIST SERVICE INC
11850 TUG BOAT LANE
NEWPORT NEWS, VA 23606-0000



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)

LICENSE PRIVILEGES AND INSTRUCTIONS

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INDIVIDUAL OR BUSINESS MAY
RESULT IN CRIMINAL
PROSECUTION UNDER THE
CODE OF VIRGINIA.
05/02/2024



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

Marine Chemist Service, Inc.

11850 Tug Boat Lane, Newport News, VA 23606

Laboratory ID: LAP-100551

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA LAP), LLC accreditation to the ISO/IEC 17025:2017 international standard, General Requirements for the Competence of Testing and Calibration Laboratories in the following:

LABORATORY ACCREDITATION PROGRAMS

<input checked="" type="checkbox"/>	INDUSTRIAL HYGIENE	Accreditation Expires: March 01, 2025
<input checked="" type="checkbox"/>	ENVIRONMENTAL LEAD	Accreditation Expires: March 01, 2025
<input checked="" type="checkbox"/>	ENVIRONMENTAL MICROBIOLOGY	Accreditation Expires: March 01, 2025
<input type="checkbox"/>	FOOD	Accreditation Expires:
<input type="checkbox"/>	UNIQUE SCOPES	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2017 and AIHA LAP, LLC requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Cheryl O Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision20: 06/07/2022

Date Issued: 03/01/2023



**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF GENERAL SERVICES
DIVISION OF CONSOLIDATED LABORATORY SERVICES**



Certifies that

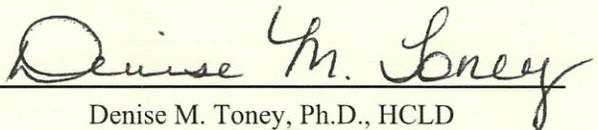
**VA Laboratory ID#: 460257
Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, VA 23606**

Owner: ROBERT WALKER JR.
Responsible Official: CHARLES G. WALKER

Having met the requirements of 1 VAC 30-46 and
having been found compliant with the 2016 TNI Standard approved by The NELAC Institute
is hereby approved as an
Accredited Environmental Laboratory

As more fully described in the attached Scope of Accreditation

Effective Date: **December 15, 2023**
Expiration Date: **December 14, 2024**
Certificate # 12711



Denise M. Toney, Ph.D., HCLD
DGS Deputy Director for Laboratories

Continued accreditation status depends on successful ongoing participation in the program.
Certificate to be conspicuously displayed at the laboratory.
Not valid unless accompanied by a valid Virginia Environmental Laboratory Accreditation Program (VELAP)
Scope of Accreditation.

Customers are urged to verify the laboratory's current accreditation status.

VIA Design Architects, PC-Limited Asbestos Inspection Report

Certificate Not Transferable
MCS, JOB# 24-029S-3404A Madison Ave
Newport News VA

**LIMITED ASBESTOS INSPECTION REPORT
OF
3404B MADISON AVE.
NEWPORT NEWS, VA
MCS JOB # 24-030S**



Marine Chemist Service, Inc.

11850 Tug Boat Lane, Newport News, VA 23606-2527

Phone: (757) 873-0933 · Norfolk (757) 640-1122

Fax: (757) 873-1074 · Norfolk (757) 625-5696

www.MarineChemist.com



Marine Chemist Service, Inc.

Limited Asbestos Inspection Report

of

**3404B Madison Ave.
Newport News, VA**

on

February 22, 2024

Prepared for:

**Scott Campbell
VIA Design Architects, PC
319 Plume Street
Norfolk, VA 23510**

By

**Eric Bresnan
Virginia Asbestos Inspector License 3303004885
Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
(757) 873-0933**

May 01, 2024

Date

Inspector Signature



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SECTION 5 -----Report of Analysis

SECTION 6 -----Inspection Information

SECTION 7 -----Credentials



Marine Chemist Service, Inc.

SECTION 1

Asbestos Inspection Report



LIMITED ASBESTOS INSPECTION OF 3404B MADISON AVE. NEWPORT NEWS, VIRGINIA

INTRODUCTION

Background and Purpose

There has been a growing public awareness of the link between the inhalation of asbestos fibers and various diseases such as asbestosis, mesothelioma, lung, and other cancers. As a result, the Asbestos Hazard Emergency Response Act (AHERA 40 CFR Part 763) for schools grades K through 12 was established by EPA.

The necessary components of an AHERA inspection require the accredited inspector to visually inspect and assess the condition of all known or assumed friable asbestos containing building materials (ACBM); to visually inspect non - friable ACBM and touch it to determine friability, and to identify homogeneous areas of friable materials.

EPA's National Emission Standards for Hazardous Air Pollutants (NESHAPS) require thorough inspections for asbestos in structures before the renovation or demolition of those structures.

Virginia law requires that if the initial building permit was issued prior to January 1, 1985, an asbestos inspection must be performed prior to the local authorities issuing a building permit.

In order to comply with NESHAPS, buildings to be renovated or demolished must be thoroughly inspected for asbestos containing building materials. Marine Chemist Service, Inc. follows the AHERA sampling protocol for interior surveys and the Virginia standard for roof surveys.

The purpose of this survey was to provide information for this property concerning the location and type of accessible and/or visible asbestos containing materials prior to renovation.

In compliance with Virginia Regulations, Marine Chemist Service Inc. performed a limited asbestos inspection of 3404A Street, located in Newport News, VA on February 22, 2024.



General Information

Marine Chemist Service, Inc. was hired by Scott Campbell of VIA Design Architects on February 20, 2024, to conduct asbestos bulk sampling for suspect asbestos-containing building materials of 3404B Madison Ave. located in Newport News, VA.

Authorization

Authorization to perform this testing was provided in the form of a phone call notice to proceed by Scott Campbell of VIA Design Architects on February 20, 2024. The building was unoccupied at the time of the inspection.

Warranty

This visual inspection and laboratory report has been prepared in accordance with AHERA and Virginia requirements and current accepted professional practices. A minimum number of bulk asbestos samples were collected to determine the presence or absence of asbestos. This inspection has been performed to provide the client with information concerning the presence of accessible and/or exposed suspect asbestos containing building materials. Destructive testing was not performed. This inspection documents conditions at the time of the inspection only. No other warranties are implied or expressed.



SURVEY METHODS

Inspection Methods

The asbestos survey was performed by a Virginia licensed asbestos inspector. A visual walk through inspection was performed to identify suspect asbestos containing materials and homogeneous areas.

Sampling Methods

The Virginia licensed asbestos inspector sampled the identified suspect materials within the homogeneous areas following the visual inspection. Sampling was not performed on any inaccessible materials and did not involve destructive testing of building components. Sample locations were selected randomly.

LABORATORY METHODS

Analysis Methods

The bulk sample was first visually observed and described. The sample was mounted onto a slide, covered with dispersion staining oil and a cover slip, and observed under a polarized light microscope (PLM). The asbestos and non-asbestos materials in the sample are identified by this method.

The PLM microscopist estimates the amounts of asbestos and non-asbestos components by determining visually the relative volume of each to the total volume of the sample.



ASBESTOS INSPECTION

Document Review and On-Site Survey

Blueprints were not provided for the inspection. A sketch was generated to indicate sample/asbestos material locations.

Identification of Suspect Asbestos Containing Materials

A visual inspection was performed on the suspect asbestos containing material found in the survey areas. The suspect asbestos containing materials are as follows:

1. Beige and Gray Floortile and Mastic
2. Beige Drywall
3. Drywall and Plaster
4. Textured Ceiling
5. White Window Caulk
6. White Door Caulk
7. Yellow HVAC Insualtion
8. Stair Tread and Mastic
9. Beige Floortile and Mastic
10. Gray and Beige Floortile and Mastic
11. White Sink Caulk
12. Cementitious Material
13. Textured Stucco
14. Brick and Mortar
15. Gray Caulk
16. Dark Gray Caulk
17. Black Shingles and Tar



Bulk Sampling

Bulk sampling was performed on all suspect asbestos-containing materials found in the areas and the minimum number of samples were taken as required in the AHERA Standards.

Bulk samples were taken penetrating all layers of the material. The samples were at least one cubic centimeter and were placed in a sealed container at the time of collection. All precautions were taken to prevent exposure to those present in or around the facility during the collection of samples. All sampling locations were patched with an encapsulant after the sampling was complete.

Samples listed below are grouped into homogeneous areas. Homogeneous areas are areas, which are uniform by color, texture, construction/application date, and general appearance.

Some sample results in the % asbestos column may be displayed in this report with a slash between two numbers, (#/#). The first number represents the first material listed under the material location/description and the second number represents the second material listed.

When N/A is placed in the friable category it means the sample tested negative - (0) or less than one percent - ($\leq 1\%$) for asbestos and the friable description does not apply.

Samples were analyzed utilizing Polarized Light Microscopy (PLM) with dispersion staining by a NVLAP accredited laboratory (Marine Chemist Service, Inc. NVLAP Lab Code 200628-0). The results are in section 5.

SECTION 2

Sample Summary Table

3404B
Madison Ave.
Newport News, VA 23607

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
3404B-1	0142353-001	1st Floor Living Room Center, Floor Tile, Mastic: Tan/Off-White Floor Covering, Yellow/Tan Mastic, Off-White/Gray Floor Covering, Tan Mastic	0/0/0/0	N/A
3404B-2	0142353-002	1st Floor Bedroom 1 Closet, Floor Tile, Mastic: Tan/Off-White Floor Covering, Yellow/Tan Mastic, Off-White/Gray Floor Covering, Tan Mastic	0/0/0/0	N/A
3404B-3	0142353-003	1st Floor Kitchen South Corner, Floor Tile, Mastic: Tan/Off-White Floor Covering, Yellow/Tan Mastic, Off-White/Gray Floor Covering, Tan Mastic	0/0/0/0	N/A
3404B-4	0142353-004	1st Floor Kitchen South Wall Patch, Drywall: White/Tan Drywall/Joint Compound	0	N/A
3404B-5	0142353-005	1st Floor Kitchen South Wall Patch, Drywall: White/Tan Drywall/Joint Compound	0	N/A
3404B-6	0142353-006	1st Floor Living Room HVAC South Closet, Drywall, Plaster: Tan/White Drywall/Joint Compound, Green/White Plaster Skim Coat, Gray Plaster Base Coat	0/0/0	N/A
3404B-7	0142353-007	1st Floor Living Room East Wall, Drywall, Plaster: Tan/White Drywall/Joint Compound, Green/White Plaster Skim Coat, Gray Plaster Base Coat	0/0/0	N/A
3404B-8	0142353-008	1st Floor Bedroom West Wall, Drywall, Plaster: Off-White/White Drywall/Joint Compound, Yellow/ Tan Mastic, Green/White Plaster Skim Coat, Gray Plaster Base Coat	0/0/0/0	N/A
3404B-9	0142353-009	1st Floor Bedroom 1 Center Ceiling, Textured Ceiling: Tan/Off-White Textured Ceiling	0	N/A
3404B-10	0142353-010	1st Floor Kitchen South Corner Ceiling, Textured Ceiling: Tan/Off-White Textured Ceiling	0	N/A
3404B-11	0142353-011	1st Floor Living Room Center Ceiling, Textured Ceiling: Tan/Off-White Textured Ceiling	0	N/A
3404B-12	0142353-012	1st Floor Living Room North Window, Caulk: Tan/White Mud	0	N/A
3404B-13	0142353-013	1st Floor Kitchen East Window, Caulk: Tan/White Caulking, White Mud	0/0	N/A
3404B-14	0142353-014	1st Floor Living Room East Wall Bottom Stairwell, Door Caulk: Off-White/White Caulking	0	N/A
3404B-15	0142353-015	1st Floor Living Room West South Center, Door Caulk: Off-white/White Caulking	0	N/A
3404B-16	0142353-016	1st Floor Living Room HVAC South Closet, HVAC Insulation: Off-white/Silver Wrap, Yellow Insulation	0/0	N/A

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
3404B-17	0142353-017	1st Floor Living Room HVAC South Closet, HVAC Insulation: Off-white/Silver Wrap, Yellow Insulation	0/0	N/A
3404B-18	0142353-018	1st Floor Kitchen North Boiler Room Closet, HVAC Insulation: Off-white/Silver Wrap, Yellow Insulation	0/0	N/A
3404B-19	0142353-019	1st Floor, Bottom Stairwell 1st Step, Stair Tread, Mastic: Brown, Black, Stair Tread, Tan, Brown, Mastic	0/0	N/A
3404B-20	0142353-020	1st Floor, Bottom Stairwell 3rd Step, Stair Tread, Mastic: Brown, Black, Stair Tread, Tan, Brown, Mastic	0/0	N/A
3404B-21	0142353-021	1st Floor, Middle Stairwell 10th Step, Stair Tread, Mastic: Brown, Black, Stair Tread, Tan, Brown, Mastic	0/0	N/A
3404B-22	0142353-022	2nd Floor, Bedroom 2 Center Floor, Floor Tile, Mastic: Tan/Off-White Floor Covering, Yellow, Tan, Mastic, Off-White/Gray Floor Covering, Yellow/Brown, Mastic	0/0/0/0	N/A
3404B-23	0142353-023	2nd Floor, Bedroom 3 Center Floor, Floor Tile, Mastic: Tan/Off-White Floor Covering, Yellow/Off-White Mastic, Off-White/Gray Floor Covering, Yellow/Brown Mastic	0/0/0/0	N/A
3404B-24	0142353-024	2nd Floor, Bedroom 4 Center Floor, Floor Tile, Mastic: Tan/Off-White Floor Covering, Yellow/Off-White Mastic, Off-White/Gray Floor Covering, Yellow/Brown Mastic	0/0/0/0	N/A
3404B-25	0142353-025	2nd Floor, Bedroom 2 West Wall, Drywall, Plaster: Tan/Off-White Drywall	0	N/A
3404B-26	0142353-026	2nd Floor, Bedroom 2 Northeast Corner Ceiling, Textured Ceiling: Off-White/White Textured Ceiling	0	N/A
3404B-27	0142353-027	2nd Floor, Bedroom 2 East Window, Caulk: Off-White/White Caulking, White Mud	0/0	N/A
3404B-28	0142353-028	2nd Floor, Hallway South in Front of Bathroom, Patch, Floor Tile, Mastic: Off-White/Gray Floor Tile, Clear Mastic, Off-White Floor Tile, Yellow/Brown Mastic	0/0/0/0	N/A
3404B-29	0142353-029	2nd Floor, Hallway South Closet Door, Caulk: Off-White/White Caulking	0	N/A
3404B-30	0142353-030	2nd Floor, Bedroom 3 South Wall, Door Caulk: Off-White/White Caulking	0	N/A
3404B-31	0142353-031	2nd Floor, Bedroom 3 South Wall, Drywall, Plaster: Off-White/White Drywall/Joint Compound, Tan/Yellow Mastic, Tan/White Plaster Skim Coat, Gray Plaster Base Coat	0/0/0/0	N/A

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
3404B-32	0142353-032	2nd Floor, Bedroom 3 Southwest Corner Ceiling, Textured Ceiling: Off-White/White Textured Ceiling	0	N/A
3404B-33	0142353-033	2nd Floor, Bedroom 3 Southwest Window, Caulk: Off-White/White Caulking, White Mud	0/0	N/A
3404B-34	0142353-034	2nd Floor, Bedroom 4 East Wall, Drywall, Plaster: Tan/White Drywall/Joint Compound, Tan/Yellow Mastic, Tan/White Plaster Skim Coat, Gray Plaster Base Coat	0/0/0/0	N/A
3404B-35	0142353-035	2nd Floor, Bedroom 4 Ceiling, Textured Ceiling: Off-White/White Textured Ceiling	0	N/A
3404B-36	0142353-036	2nd Floor, Bathroom Sink, Left Side, Caulk: White Caulking	0	N/A
3404B-37	0142353-037	2nd Floor, Bathroom Sink, Right Side, Caulk: White/Off-White Caulking	0	N/A
3404B-38	0142353-038	2nd Floor, Bathroom Window, Right Side, Caulk: White/Off-White Caulking	0	N/A
3404B-39	0142353-039	2nd Floor, Bathroom Window, Left Side, Caulk: White/Off-White Caulking	0	N/A
3404B-40	0142353-040	2nd Floor, Hallway HVAC Closet, HVAC Insulation: Off-White/Silver Wrap, Yellow Insulation	0/0	N/A
3404B-41	0142353-041	2nd Floor, Hallway HVAC Closet, HVAC Insulation: Off-White/Silver Wrap, Yellow Insulation	0/0	N/A
3404B-42	0142353-042	2nd Floor, Hallway HVAC Closet, HVAC Insulation: Off-White/Silver Wrap, Yellow Insulation	0/0	N/A
3404B-43	0142353-043	Exterior East in Front of Door, Cementitious Material: Gray Cementitious Material	0	N/A
3404B-44	0142353-044	Exterior East Under A/C Unit, Cementitious Material: Gray Cementitious Material	0	N/A
3404B-45	0142353-045	Exterior East North Wall, Textured Stucco, Brick, Mortar: White Stucco Skim Coat, Gray/Blue Stucco Base Coat, Red Brick, Blue Foam	0/0/0/0	N/A
3404B-46	0142353-046	Exterior North Center Wall, Textured Stucco, Brick, Mortar: White Stucco Skim Coat, Gray/Blue Stucco Base Coat, Red Brick, Blue Foam	0/0/0/0	N/A
3404B-47	0142353-047	Exterior Northwest Corner Wall, Textured Stucco, Brick, Mortar: White Stucco Skim Coat, Gray/Blue Stucco Base Coat, Red Brick, Blue Foam	0/0/0/0	N/A
3404B-48	0142353-048	Exterior East Wall Caulk Patch, Caulk: Off-white/Gray Caulking	0	N/A
3404B-49	0142353-049	Exterior East Window Frame, Caulk: Gray Caulking	0	N/A
3404B-50	0142353-050	Exterior North Wall, Caulk: Gray Caulking	0	N/A

Sample #	Lab Sample #	Material Location and Description	% Asbestos	Friable Y/N
3404B-51	0142353-051	Shingle, Gray/Black Shingle, Black Shingle, Black/Brown Felt Paper	0/0/0/0	N/A
3404B-52	0142353-052	Exterior North Center Roof, Shingles, Tar: Off-white/Black Shingle, Gray/Black Shingle, Black/Brown Felt Paper	0/0/0	N/A
3404B-53	0142353-053	Exterior West Center Roof, Shingles, Tar: Off-white/Black Shingle, Gray/Black Shingle, Black/Brown Felt Paper	0/0/0	N/A



Comments

1. None of the sampled materials tested positive for asbestos.
2. When any layer of flooring tests positive for asbestos (floor tile, linoleum, or adhesive/mastic), all adhered layers are considered as 1 homogeneous material that cannot be separated and must be removed as one material during abatement removal operations.
3. Asbestos might be found within walls, ceiling and or pipe chases during the renovation or demolition of the building. If any suspect materials are found, they should treated as asbestos or tested for asbestos.



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SECTION 3 General Legend and Notes

GENERAL LEGEND

O - Sample number/location - non-asbestos

△ - Sample number/location - contains asbestos

GENERAL NOTES

1. The EPA definition of a friable material is one that contains more than 1% asbestos by weight and can be crumbled, pulverized or reduced to a powder by hand pressure when dry, or which under normal use or maintenance emits or can be expected to emit asbestos fibers into the air.
2. All quantities are approximate.
3. Sketches are not to scale.

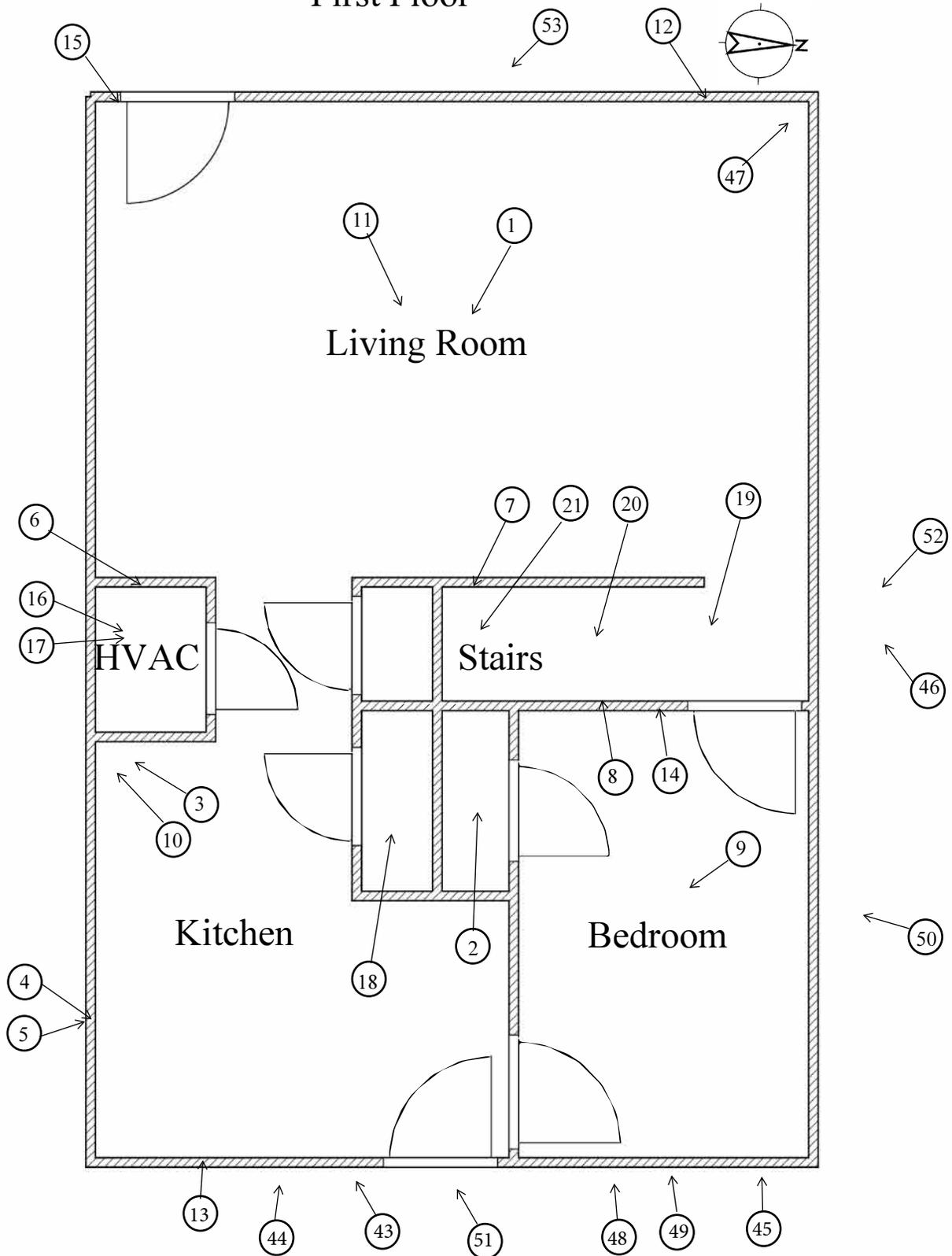


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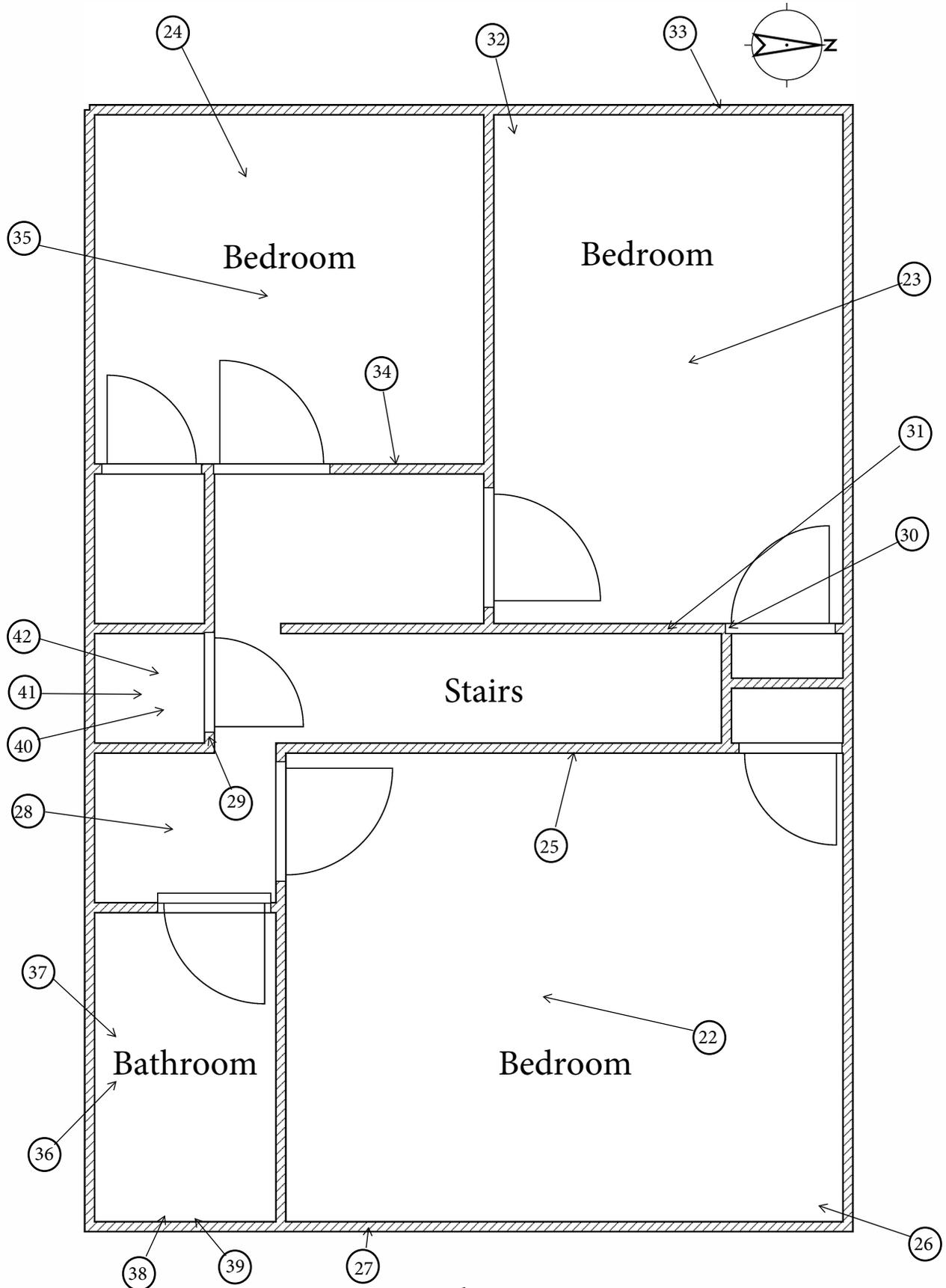
SECTION 4

Survey Sample Location Sketches

First Floor



3404-B Madison Ave
Newport News, Virginia



3404-B Madison Ave
 Newport News, Virginia



Marine Chemist Service, Inc.

SECTION 5 Reports of Analysis



Marine Chemist Service, Inc.
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www.MarineChemist.com

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404B Madison Ave.

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333.000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

MCS Report No.: 0142353
Report Date: 03/27/2024
MCS Job No.: 24-030S
Customer PO No.:

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142353-001 3404B-1	1st Floor, Living Room Center, Floor Tile, Mastic					
	Floor Covering, Tan, Off-white	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow, Tan	LAYER 2	None Detected		Non-Fibrous Material	100%
	Floor Covering, Off-white, Gray	LAYER 3	None Detected		Non-Fibrous Material	100%
	Mastic, Tan	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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 Norfolk VA 23510

Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404B Madison Ave.

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

MCS Report No.: 0142353
Report Date: 03/27/2024
MCS Job No.: 24-030S
Customer PO No.:

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142353-002 3404B-2	1st Floor, Bedroom 1 Closet, Floor Tile, Mastic					
	Floor Covering, Tan, Off-white	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow, Tan	LAYER 2	None Detected		Non-Fibrous Material	100%
	Floor Covering, Off-white, Gray	LAYER 3	None Detected		Non-Fibrous Material	100%
	Mastic, Tan	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142353
Report Date: 03/27/2024
MCS Job No.: 24-030S
Customer PO No.:

Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404B Madison Ave.

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142353-003 3404B-3	1st Floor, Kitchen South Corner, Floor Tile, Mastic					
	Floor Covering, Tan, Off-white	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow, Tan	LAYER 2	None Detected		Non-Fibrous Material	100%
	Floor Covering, Off-white, Gray	LAYER 3	None Detected		Non-Fibrous Material	100%
	Mastic, Tan	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142353-004 3404B-4	1st Floor, Kitchen South Wall Patch, Drywall					
	Drywall/ Joint Compound, White, Tan	LAYER 1	None Detected		Cellulose Fiber Non-Fibrous Material	20% 80%
Asbestos Present: No						
0142353-005 3404B-5	1st Floor, Kitchen South Wall Patch, Drywall					
	Drywall/ Joint Compound, White, Tan	LAYER 1	None Detected		Cellulose Fiber Non-Fibrous Material	20% 80%
Asbestos Present: No						



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VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404B Madison Ave.

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

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Report Date: 03/27/2024
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Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142353-006 3404B-6	1st Floor, Living Room HVAC South Closet, Drywall, Plaster Drywall/ Joint Compound, Tan, White	LAYER 1	None Detected		Cellulose Fiber Non-Fibrous Material	15% 85%
	Plaster Skim Coat, Green, White	LAYER 2	None Detected		Non-Fibrous Material	100%
	Plaster Base Coat, Gray	LAYER 3	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
	Asbestos Present: No					
0142353-007 3404B-7	1st Floor, Living Room East Wall, Drywall, Plaster Drywall/ Joint Compound, Tan, White	LAYER 1	None Detected		Cellulose Fiber Non-Fibrous Material	15% 85%
	Plaster Skim Coat, Green, White	LAYER 2	None Detected		Non-Fibrous Material	100%
	Plaster Base Coat, Gray	LAYER 3	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
	Asbestos Present: No					



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Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
Virginia Certification	NVLAP VELAP TNI	Asbestos Bulk: PLM <u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142353
Report Date: 03/27/2024
MCS Job No.: 24-030S
Customer PO No.:

Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404B Madison Ave.

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142353-008 3404B-8	1st Floor, Bedroom 1 West Wall, Drywall, Plaster					
	Drywall/ Joint Compound, Off-white, White	LAYER 1	None Detected		Cellulose Fiber Non-Fibrous Material	20% 80%
	Mastic, Yellow, Tan	LAYER 2	None Detected		Cellulose Fiber Non-Fibrous Material	2% 98%
	Plaster Skim Coat, Green, White	LAYER 3	None Detected		Non-Fibrous Material	100%
	Plaster Base Coat, Gray	LAYER 4	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
Asbestos Present: No						
0142353-009 3404B-9	1st Floor, Bedroom 1 Center Ceiling, Textured Ceiling					
	Textured Ceiling, Tan, Off-white	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142353-010 3404B-10	1st Floor, Kitchen South Corner Ceiling, Textured Ceiling					
	Textured Ceiling, Tan, Off-white	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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VIA Design Architects, PC
 Attn: Scott Campbell
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 Norfolk VA 23510

Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404B Madison Ave.

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

MCS Report No.: 0142353
Report Date: 03/27/2024
MCS Job No.: 24-030S
Customer PO No.:

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142353-011 3404B-11	1st Floor, Living Room Center Ceiling, Textured Ceiling Textured Ceiling, Tan, Off-white	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142353-012 3404B-12	1st Floor, Living Room North Window, Caulk Mud, Tan, White	LAYER 1	None Detected		Non-Fibrous Material	100%
No caulk present.						
Asbestos Present: No						
0142353-013 3404B-13	1st Floor, Kitchen East Window, Caulk Caulking, Tan, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mud, White	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404B Madison Ave.

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
Virginia Certification	NVLAP VELAP TNI	Asbestos Bulk: PLM <u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

MCS Report No.: 0142353
Report Date: 03/27/2024
MCS Job No.: 24-030S
Customer PO No.:

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142353-014 3404B-14	1st Floor, Living Room East Wall Bottom Stairwell, Door Caulk Caulking, Off-white, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142353-015 3404B-15	1st Floor, Living Room West South Center, Door Caulk Caulking, Off-white, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142353-016 3404B-16	1st Floor, Living Room HVAC South Closet, HVAC Insulation Wrap, Off-white, Silver	LAYER 1	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	40% 20% 40%
	Insulation, Yellow	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404B Madison Ave.

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
Virginia Laboratory	DGS - DPOR	Lead and Copper: Drinking Water
		<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

MCS Report No.: 0142353
Report Date: 03/27/2024
MCS Job No.: 24-030S
Customer PO No.:

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142353-017 3404B-17	1st Floor, Living Room HVAC South Closet, HVAC Insulation Wrap, Off-white, Silver	LAYER 1	None Detected		Cellulose Fiber	40%
					Fibrous Glass	20%
					Non-Fibrous Material	40%
	Insulation, Yellow	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142353-018 3404B-18	1st Floor, Kitchen North Boiler Room Closet, HVAC Insulation Wrap, Off-white, Silver	LAYER 1	None Detected		Cellulose Fiber	40%
					Fibrous Glass	20%
					Non-Fibrous Material	40%
	Insulation, Yellow	LAYER 2	None Detected		Fibrous Glass	100%
Asbestos Present: No						



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Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404B Madison Ave.

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

MCS Report No.: 0142353
Report Date: 03/27/2024
MCS Job No.: 24-030S
Customer PO No.:

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142353-019 3404B-19	1st Floor, Bottom Stairwell 1st Step, Stair Tread, Mastic Stair Tread, Brown, Black	LAYER 1	None Detected		Non-Fibrous Material	100%
		LAYER 2	None Detected		Cellulose Fiber Synthetic Fiber Non-Fibrous Material	<1% <1% 100%
Unable to separate brown and tan mastics.						
Asbestos Present: No						
0142353-020 3404B-20	1st Floor, Bottom Stairwell 3rd Step, Stair Tread, Mastic Stair Tread, Brown, Black	LAYER 1	None Detected		Non-Fibrous Material	100%
		LAYER 2	None Detected		Cellulose Fiber Synthetic Fiber Non-Fibrous Material	<1% <1% 100%
Unable to separate brown and tan mastics.						
Asbestos Present: No						
0142353-021 3404B-21	1st Floor, Middle Stairwell 10th Step, Stair Tread, Mastic Stair Tread, Brown, Black	LAYER 1	None Detected		Non-Fibrous Material	100%
		LAYER 2	None Detected		Cellulose Fiber Synthetic Fiber Non-Fibrous Material	<1% <1% 100%
Unable to separate brown and tan mastics.						
Asbestos Present: No						



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

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MCS Report No.: 0142353
Report Date: 03/27/2024
MCS Job No.: 24-030S
Customer PO No.:

Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404B Madison Ave.

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142353-022 3404B-22	2nd Floor, Bedroom 2 Center Floor, Floor Tile, Mastic					
	Floor Covering, Tan, Off-white	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow, Tan	LAYER 2	None Detected		Non-Fibrous Material	100%
	Floor Covering, Off-white, Gray	LAYER 3	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow, Brown	LAYER 4	None Detected		Cellulose Fiber	<1%
					Non-Fibrous Material	100%

Unable to separate brown and yellow mastics.

Asbestos Present: No



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Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404B Madison Ave.

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

MCS Report No.: 0142353
Report Date: 03/27/2024
MCS Job No.: 24-030S
Customer PO No.:

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142353-023 3404B-23	2nd Floor, Bedroom 3 Center Floor, Floor Tile, Mastic					
	Floor Covering, Tan, Off-white	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow, Off-white	LAYER 2	None Detected		Non-Fibrous Material	100%
	Floor Covering, Off-white, Gray	LAYER 3	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow, Brown	LAYER 4	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%

Unable to separate brown and yellow mastics.

Asbestos Present: No



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Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404B Madison Ave.

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

MCS Report No.: 0142353
Report Date: 03/27/2024
MCS Job No.: 24-030S
Customer PO No.:

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142353-024 3404B-24	2nd Floor, Bedroom 4 Center Floor, Floor Tile, Mastic					
	Floor Covering, Tan, Off-white	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow, Off-white	LAYER 2	None Detected		Non-Fibrous Material	100%
	Floor Covering, Off-white, Gray	LAYER 3	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow, Brown	LAYER 4	None Detected		Cellulose Fiber	<1%
					Non-Fibrous Material	100%
Unable to separate brown and yellow mastics.						
Asbestos Present: No						
0142353-025 3404B-25	2nd Floor, Bedroom 2 West Wall, Drywall, Plaster					
	Drywall, Tan, Off-white	LAYER 1	None Detected		Cellulose Fiber	15%
					Non-Fibrous Material	85%
No plaster present.						
Asbestos Present: No						
0142353-026 3404B-26	2nd Floor, Bedroom 2 Northeast Corner Ceiling, Textured Ceiling					
	Textured Ceiling, Off-white, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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VIA Design Architects, PC
 Attn: Scott Campbell
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 Norfolk VA 23510

Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404B Madison Ave.

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

MCS Report No.: 0142353
Report Date: 03/27/2024
MCS Job No.: 24-030S
Customer PO No.:

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142353-027 3404B-27	2nd Floor, Bedroom 2 East Window, Caulk Caulking, Off-white, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mud, White	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142353-028 3404B-28	2nd Floor, Hallway South in Front of Bathroom Floor Patch, Floor Tile, Mastic Floor Tile, Off-white, Gray	LAYER 1	None Detected		Non-Fibrous Material	100%
	Mastic, Clear	LAYER 2	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
	Floor Tile, Off-white	LAYER 3	None Detected		Non-Fibrous Material	100%
	Mastic, Yellow, Brown	LAYER 4	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
Unable to separate yellow and brown.						
Asbestos Present: No						



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Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404B Madison Ave.

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

MCS Report No.: 0142353
Report Date: 03/27/2024
MCS Job No.: 24-030S
Customer PO No.:

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	Non-Asbestos Components	(%)	(%)
0142353-029 3404B-29	2nd Floor, Hallway South Closet Door, Caulk Caulking, Off-white, White	LAYER 1	None Detected	Non-Fibrous Material		100%
Asbestos Present: No						
0142353-030 3404B-30	2nd Floor, Bedroom 3 South Wall, Door Caulk Caulking, Off-white, White	LAYER 1	None Detected	Non-Fibrous Material		100%
Asbestos Present: No						
0142353-031 3404B-31	2nd Floor, Bedroom 3 South Wall, Drywall, Plaster					
	Drywall/ Joint Compound, Off-white, White	LAYER 1	None Detected	Cellulose Fiber Non-Fibrous Material		15% 85%
	Mastic, Tan, Yellow	LAYER 2	None Detected	Cellulose Fiber Non-Fibrous Material		<1% 100%
	Plaster Skim Coat, Tan, White	LAYER 3	None Detected	Non-Fibrous Material		100%
	Plaster Base Coat, Gray	LAYER 4	None Detected	Cellulose Fiber Non-Fibrous Material		<1% 100%
Asbestos Present: No						



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

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MCS Report No.: 0142353
Report Date: 03/27/2024
MCS Job No.: 24-030S
Customer PO No.:

Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404B Madison Ave.

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142353-032 3404B-32	2nd Floor, Bedroom 3 Southwest Corner	LAYER 1	None Detected		Non-Fibrous Material	100%
	Ceiling, Textured Ceiling Textured Ceiling, Off-white, White					
Asbestos Present: No						
0142353-033 3404B-33	2nd Floor, Bedroom 3 Southwest Window, Caulk	LAYER 1	None Detected		Non-Fibrous Material	100%
	Caulking, Off-white, White					
	Mud, White	LAYER 2	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404B Madison Ave.

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

MCS Report No.: 0142353
Report Date: 03/27/2024
MCS Job No.: 24-030S
Customer PO No.:

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142353-034 3404B-34	2nd Floor, Bedroom 4 East Wall, Drywall, Plaster					
	Drywall/ Joint Compound, Tan, White	LAYER 1	None Detected		Cellulose Fiber Non-Fibrous Material	15% 85%
	Mastic, Tan, Yellow	LAYER 2	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
	Plaster Skim Coat, Tan, White	LAYER 3	None Detected		Non-Fibrous Material	100%
	Plaster Base Coat, Gray	LAYER 4	None Detected		Cellulose Fiber Non-Fibrous Material	<1% 100%
Asbestos Present: No						
0142353-035 3404B-35	2nd Floor, Bedroom 4 Ceiling, Textured Ceiling					
	Textured Ceiling, Off-white, White	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142353-036 3404B-36	2nd Floor, Bathroom Sink Left Side, Caulk Caulking, White					
		LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404B Madison Ave.

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
Virginia Certification	NVLAP VELAP TNI	Asbestos Bulk: PLM <u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

MCS Report No.: 0142353
Report Date: 03/27/2024
MCS Job No.: 24-030S
Customer PO No.:

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142353-037 3404B-37	2nd Floor, Bathroom Sink Right Side, Caulk Caulking, White, Off-white	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142353-038 3404B-38	2nd Floor, Bathroom Window Right Side, Caulk Caulking, White, Off-white	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						
0142353-039 3404B-39	2nd Floor, Bathroom Window Left Side, Caulk Caulking, White, Off-white	LAYER 1	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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www.MarineChemist.com

VIA Design Architects, PC
 Attn: Scott Campbell
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Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404B Madison Ave.

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

MCS Report No.: 0142353
Report Date: 03/27/2024
MCS Job No.: 24-030S
Customer PO No.:

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142353-040 3404B-40	2nd Floor, Hallway HVAC Closet, HVAC Insulation					
	Wrap, Off-white, Silver	LAYER 1	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	35% 20% 45%
	Insulation, Yellow	LAYER 2	None Detected		Fibrous Glass	100%
	Asbestos Present: No					
0142353-041 3404B-41	2nd Floor, Hallway HVAC Closet, HVAC Insulation					
	Wrap, Off-white, Silver	LAYER 1	None Detected		Cellulose Fiber Fibrous Glass Non-Fibrous Material	40% 25% 35%
	Insulation, Yellow	LAYER 2	None Detected		Fibrous Glass	100%
	Asbestos Present: No					



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Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404B Madison Ave.

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

MCS Report No.: 0142353
Report Date: 03/27/2024
MCS Job No.: 24-030S
Customer PO No.:

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142353-042 3404B-42	2nd Floor, Hallway HVAC Closet, HVAC Insulation	LAYER 1	None Detected		Cellulose Fiber	40%
	Wrap, Off-white, Silver				Fibrous Glass	25%
	Insulation, Yellow	LAYER 2	None Detected		Fibrous Glass	100%
Asbestos Present: No						
0142353-043 3404B-43	Exterior East in Front of Door, Cementitious Material	LAYER 1	None Detected		Non-Fibrous Material	100%
	Cementitious Material, Gray					
Asbestos Present: No						
0142353-044 3404B-44	Exterior East Under A/C Unit, Cementitious Material	LAYER 1	None Detected		Non-Fibrous Material	100%
	Cementitious Material, Gray					
Asbestos Present: No						



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VIA Design Architects, PC
 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404B Madison Ave.

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

MCS Report No.: 0142353
Report Date: 03/27/2024
MCS Job No.: 24-030S
Customer PO No.:

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142353-045 3404B-45	Exterior East North Wall, Textured Stucco, Brick, Mortar Stucco Skim Coat, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Stucco Base Coat, Gray, Blue	LAYER 2	None Detected		Fibrous Glass Non-Fibrous Material	5% 95%
	Brick, Red	LAYER 3	None Detected		Non-Fibrous Material	100%
	Foam, Blue	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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 Norfolk VA 23510

Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404B Madison Ave.

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

MCS Report No.: 0142353
Report Date: 03/27/2024
MCS Job No.: 24-030S
Customer PO No.:

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
0142353-046 3404B-46	Exterior North Center Wall, Textured Stucco, Brick, Mortar Stucco Skim Coat, White	LAYER 1	None Detected		Non-Fibrous Material	100%
	Stucco Base Coat, Gray, Blue	LAYER 2	None Detected		Fibrous Glass Non-Fibrous Material	5% 95%
	Brick, Red	LAYER 3	None Detected		Non-Fibrous Material	100%
	Foam, Blue	LAYER 4	None Detected		Non-Fibrous Material	100%
Asbestos Present: No						



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u> Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

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 Attn: Scott Campbell
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MCS Report No.: 0142353
Report Date: 03/27/2024
MCS Job No.: 24-030S
Customer PO No.:

Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404B Madison Ave.

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	Non-Asbestos Components	(%)	(%)
0142353-047 3404B-47	Exterior Northwest Corner Wall, Textured Stucco, Brick, Mortar					
	Stucco Skim Coat, White	LAYER 1	None Detected	Non-Fibrous Material		100%
	Stucco Base Coat, Gray, Blue	LAYER 2	None Detected	Fibrous Glass	5%	
	Brick, Red	LAYER 3	None Detected	Non-Fibrous Material		95%
	Foam, Blue	LAYER 4	None Detected	Non-Fibrous Material		100%
Asbestos Present: No						
0142353-048 3404B-48	Exterior East Wall Caulk Patch, Caulk Caulking, Off-white, Gray	LAYER 1	None Detected	Non-Fibrous Material		100%
	Asbestos Present: No					
0142353-049 3404B-49	Exterior East Window Frame, Caulk Caulking, Gray	LAYER 1	None Detected	Non-Fibrous Material		100%
	Asbestos Present: No					



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Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
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Report Date: 03/27/2024
MCS Job No.: 24-030S
Customer PO No.:

Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404B Madison Ave.

Date Received: 02/22/2024
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Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	Non-Asbestos Components	(%)	(%)
0142353-050 3404B-50	Exterior North Wall, Caulk Caulking, Gray	LAYER 1	None Detected	Non-Fibrous Material		100%
Asbestos Present: No						
0142353-051 3404B-51	Exterior East Center Roof, Shingles, Tar Shingle, Off-white, Black	LAYER 1	None Detected	Fibrous Glass Non-Fibrous Material		60% 40%
	Shingle, Gray, Black	LAYER 2	None Detected	Fibrous Glass Non-Fibrous Material		60% 40%
	Shingle, Black	LAYER 3	None Detected	Fibrous Glass Non-Fibrous Material		55% 45%
	Felt Paper, Black, Brown	LAYER 4	None Detected	Cellulose Fiber Non-Fibrous Material		75% 25%
Asbestos Present: No						



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Accreditation	AIHA LAP, LLC ELLAP EMLAP IHLAP	<u>Laboratory ID: 100551</u> Lead in Paint, Soil, Wipe & Air Fungal Direct Examination: Air & Tape Asbestos: PCM Dust: Gravimetry Metals: Air
Accreditation	NIST NVLAP	<u>Laboratory Code: 200628-0</u> Asbestos Bulk: PLM
Virginia Certification	VELAP TNI	<u>Laboratory No: 460257</u> RCRA 8 Metals: TCLP & NPW Lead and Copper: Drinking Water
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Job Location: 3404B Madison Ave.

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REPORT OF ANALYSIS

MCS Sample No. Field Sample ID	Sample Location Description	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)		
0142353-052 3404B-52	Exterior North Center Roof, Shingles, Tar	LAYER 1	None Detected		Fibrous Glass	60%		
	Shingle, Off-white, Black				Non-Fibrous Material	40%		
	Shingle, Gray, Black				Fibrous Glass	60%		
0142353-053 3404B-53	Felt Paper, Black, Brown	LAYER 2	None Detected		Non-Fibrous Material	40%		
	LAYER 3				None Detected		Cellulose Fiber	75%
							Non-Fibrous Material	25%
Asbestos Present: No								
0142353-053 3404B-53	Exterior West Center Roof, Shingles, Tar	LAYER 1	None Detected		Fibrous Glass	60%		
	Shingle, Off-white, Black				Non-Fibrous Material	40%		
	Shingle, Gray, Black				Fibrous Glass	60%		
0142353-053 3404B-53	Felt Paper, Black, Brown	LAYER 2	None Detected		Non-Fibrous Material	40%		
	LAYER 3				None Detected		Cellulose Fiber	75%
							Non-Fibrous Material	25%
Asbestos Present: No								

Analysis performed at Eurofins CEI, Inc. Cary, NC (NVLAP Lab Code: 101768-0). Lab Code B245449.



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www.MarineChemist.com

Credentials	Agency	Scope
Accreditation	AIHA LAP, LLC	<u>Laboratory ID: 100551</u>
	ELLAP	Lead in Paint, Soil, Wipe & Air
	EMLAP	Fungal Direct Examination: Air & Tape
	IHLAP	Asbestos: PCM
		Dust: Gravimetry
		Metals: Air
Accreditation	NIST	<u>Laboratory Code: 200628-0</u>
	NVLAP	Asbestos Bulk: PLM
Virginia Certification	VELAP	<u>Laboratory No: 460257</u>
	TNI	RCRA 8 Metals: TCLP & NPW
		Lead and Copper: Drinking Water
Virginia Laboratory	DGS - DPOR	<u>License No.: 3333 000004</u>
		Asbestos: PLM & PCM

NOTE: Laboratory Credentials cover only to the scopes listed above.

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 Attn: Scott Campbell
 319 Plume Street
 Norfolk VA 23510

MCS Report No.: 0142353
Report Date: 03/27/2024
MCS Job No.: 24-030S
Customer PO No.:

Date Sampled: 02/22/2024
Sampled By: Aaron Barry
Job Location: 3404B Madison Ave.

Date Received: 02/22/2024
Received By: CAM
Sample Matrix: BULK
Date Analyzed: 03/26/2024

Method of Analysis: Polarized Light Microscopy (PLM) using Environmental Protection Agency (EPA) Methods: EPA - 40 CFR Appendix E to Subpart E of Part 763 and EPA 600/R93-116, July 1993.

REPORT OF ANALYSIS

MCS Sample No.	Sample Location	Layer No.	Asbestos Type	(%)	Non-Asbestos Components	(%)
Field Sample ID	Description					

Approved Signatory - Mary Helen Scott
 Laboratory Supervisor

Method Detection Limit: = <1%

- * Fiber concentrations were determined by visually estimating the area percentage for each type.
- * Asbestos fibers may not be detected by PLM in certain samples because of their size (<5um) or being bound with non-friable organic matrix. In such cases an alternative method of analysis may be necessary.
- * Analyzed only readily discernable layers.
- * All laboratory test results meet the applicable quality control requirements unless otherwise mentioned.
- * MCS, Inc. can not attest to nor be held responsible for the proper collection of samples and/or accuracy of the sample information provided by customers for samples not collected by MCS, Inc.
- * Test report relates only to the items tested.
- * The samples will be stored at the MCS, Inc. laboratory for a period of thirty days after the analysis. At the end of the period, it will be our policy to dispose of the samples unless prior arrangements have been made for a longer storage period.
- * This report shall not be reproduced, except in full, without the written approval of this laboratory.
- * The Report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government.
- * The Report includes Chain of Custody.



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(757) 873-0933 • (757) 873-1074 (fax)

www.MarineChemist.com

Customer: VIA Design LLC

Address: 319 Plum Street, Norfolk, VA, 23510

Contact: Scott Campbell

Phone: 757-627-1489 Fax: _____

Email: scampbell@viadesignarchitects.com

MCS Job #: 24-0305 Customer PO: _____

Job Location: 3404B Madison Ave

BULK Chain of Custody Form

(use separate form for each matrix)

- Requested Turnaround Time (markup)
Building Material
Paint
Soil
Other
Same Day (100%)
1-Day (75%)
2-Day (50%)
3-Day (25%)
4-Day (12.5%)
5-Day (standard)

RESULTS DUE BY: 02/29/2024

ANALYSIS: PLM

MCS Use Only
Project Manager
Special Instructions
DO NOT MAIL
Give Report To:
MCS Lab Report No. 0142353 CAM 2/22/24
Samples Acceptable to Lab Yes No
Date If "No" Reason

Table with 4 columns: Field ID, Sample Location, Sample Description, MCS Sample No.
Rows include: 3404B-1 1st Floor living Room Center Beige, Gray floor tile + mastic 0142353-001
3404B-2 1st Floor Bedroom 1 closet Beige, Gray floor tile + mastic 0142353-002
...
3404B-20 1st Floor Bottom Stairwell 3rd step Stair tread + mastic 0142353-020

Aaron Barry
Sampled by (Print)
Aaron Barry
Transported by (Print)
Carlos Mendoza
Received by (Print)

Aaron Barry
Signature
Aaron Barry
Signature
[Signature]
Signature

02/22/2024
Date/Time
02/22/2024
Date/Time
2/22/24 4:20pm
Date/Time

OFFICE USE ONLY:
Mailed Billing
Verbal
Faxed
Copied
Emailed
(date and initial above areas)



Marine Chemist Service, Inc.

11850 Tug Boat Lane • Newport News, VA 23606

(757) 873-0933 • (757) 873-1074 (fax)

www.MarineChemist.com

Customer: VIA Design LLC

Address: 319 Plume Street, Norfolk, VA, 23510

Contact: Scott Campbell

Phone: 757-627-1489 Fax: _____

Email: scampbell@viadesignarchitects.com

MCS Job #: 24-0305 Customer PO: _____

Job Location: 3404B Madison Ave

BULK Chain of Custody Form

(use separate form for each matrix)

- Requested Turnaround Time (markup)
Building Material
Paint
Soil
Other
Same Day (100%)
1-Day (75%)
2-Day (50%)
3-Day (25%)
4-Day (12.5%)
5-Day (standard)

RESULTS DUE BY: 02/29/2024

ANALYSIS: PLM

MCS Use Only
Project Manager
Special Instructions
DO NOT MAIL
Give Report To:
MCS Lab Report No. 0142353 CAM 2/22/24
Samples Acceptable to Lab
Date

Table with 4 columns: Field ID, Sample Location, Sample Description, MCS Sample No. Rows include 3404B-21 to 3404B-40 with details on floor, room, and material.

Aaron Barry
Sampled by (Print)
Aaron Barry
Transported by (Print)
Carlos Mendoza
Received by (Print)

Aaron Barry
Signature
Signature
Signature

02/22/2024
Date/Time
02/22/2024
Date/Time
2/22/24
Date/Time

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Mailed
Billing
Verbal
Faxed
Copied
Emailed
(date and initial above areas)



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 www.MarineChemist.com

Customer: VZA Design LLC
 Address: 319 Plume Street, Norfolk, VA, 23510
 Contact: Scott Campbell
 Phone: 757-627-1489 Fax: _____
 Email: scampbell@vzadesignarchitects.com
 MCS Job #: 24-0305 Customer PO: _____
 Job Location: 3404B Madison Ave

BULK Chain of Custody Form

(use separate form for each matrix)

- Requested Turnaround Time (markup)
- Building Material
 - Paint
 - Soil
 - Other _____
 - Same Day (100%)
 - 1-Day (75%)
 - 2-Day (50%)
 - 3-Day (25%)
 - 4-Day (12.5%)
 - 5-Day (standard)

RESULTS DUE BY: 02/29/2024
 ANALYSIS: PLM

MCS Use Only	
Project Manager	_____
Special Instructions	_____
DO NOT MAIL <input type="checkbox"/>	Give Report To: _____
MCS Lab Report No.	<u>0142353 CAM 2/22/24</u>
Samples Acceptable to Lab <input type="checkbox"/> Yes <input type="checkbox"/> No	By _____
Date _____	If "No" Reason _____

Field ID	Sample Location	Sample Description	MCS Sample No.
<i>example</i>	<i>room or area</i>	<i>size / color / material</i>	<i>lab use only</i>
3404B-41	2 nd floor Hallway HVAC closet	HVAC Yellow Insulation	0142353-041
3404B-42	2 nd floor Hallway HVAC closet	HVAC Yellow Insulation	0142353-042
3404B-43	Exterior East in front of door	Cementitious Material	0142353-043
3404B-44	Exterior East under A/C unit	Cementitious Material	0142353-044
3404B-45	Exterior East North Wall	Textured stucco, Brick + Mortar	0142353-045
3404B-46	Exterior North Center Wall	Textured Stucco, Brick + mortar	0142353-046
3404B-47	Exterior Northwest Corner Wall	Textured Stucco, Brick + mortar	0142353-047
3404B-48	Exterior East wall caulk Patch	Gray Caulk	0142353-048
3404B-49	Exterior East window Frame	Dark Gray Caulk	0142353-049
3404B-50	Exterior North Wall	Dark Gray Caulk	0142353-050
3404B-51	Exterior East Center Roof	Black Shingles + tar	0142353-051
3404B-52	Exterior North center Roof	Black Shingles + tar	0142353-052
3404B-53	Exterior West Center Roof	Black Shingles + tar	0142353-053

Aaron Barry
 Sampled by (Print)
Aaron Barry
 Transported by (Print)
Carlos Mendoza
 Received by (Print)

Aaron Barry
 Signature
Aaron Barry
 Signature
[Signature]
 Signature

02/22/2023
 Date/Time
02/22/2023
 Date/Time
2/22/24 4:30pm
 Date/Time

OFFICE USE ONLY:
 Mailed Billing
 Verbal _____
 Faxed _____
 Copied _____
 Emailed _____
 (date and initial above areas)



Marine Chemist Service, Inc.

SECTION 6 Inspection Information



Marine Chemist Service, Inc.

Inspection Information

The survey contractor for the inspection of 3404A Madison Ave., Newport News VA is:

**Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
www.MarineChemist.com**

The team leader responsible for quality control coordination of inspection and adherence to inspection protocol is:

**Patrick Studley - CIH
Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606
PStudley@MarineChemist.com**

The AIHA and NVLAP Accredited laboratory selected to analyze the bulk samples for asbestos content by PLM, using the "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (Appendix A to Subpart F in 40 CFR Part 763) is:

**Marine Chemist Service, Inc.
Virginia Asbestos Analytical Laboratory License 3333 000004
11850 Tug Boat Lane
Newport News, Virginia 23606
(757) 873-0933**

The inspector who physically inspected the building and who have received EPA-Approved Training is:

**Eric Bresnan
Virginia Asbestos Inspector License 3303 04885
EBresnan@MarineChemist.com**

The Industrial Hygiene Inspector is employed by:

**Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, Virginia 23606**



Marine Chemist Service, Inc.

SECTION 7 Credentials

The Board for Global EHS Credentialing (BGC)

through its vested authority, hereby confirms that

Patrick Gene Studley

has met all requirements of education, experience, and examination, and on-going maintenance set forth through the BGC's American Board of Industrial Hygiene® (ABIH®) credentialing division for re-certification in the Comprehensive Practice of Industrial Hygiene and is thereby conferred the credential of

Certified Industrial Hygienist® (CIH®)

The aforementioned individual is given all rights, privileges, and responsibilities as both a diplomate of the BGC and holder of the CIH credential, provided that the credential is not suspended or revoked, and it is renewed annually. Moreover, the holder must meet all recertification requirements, including the obligation to practice ethically as prescribed by the BGC.



Credential Number: 11321 CP
Award Date: May 31, 2017
Expiration Date: December 1, 2027

Thomas G. Grumbles, CIH, CPPS, FAIHA
Chair of the Board of Directors

Ulric K. Chung, MCS, PhD
Chief Executive Officer and Secretary



COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON
05-31-2024

NUMBER
3303004885

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE



ERIC BRESNAN
11850 TUG BOAT LN
NEWPORT NEWS, VA 23606



Dominick J. Meis
Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

DPOR COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

(DETACH HERE)

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE
NUMBER: 3303004885 EXPIRES: 05-31-2024

ERIC BRESNAN
11850 TUG BOAT LN
NEWPORT NEWS, VA 23606



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)

LICENSE PRIVILEGES AND INSTRUCTIONS

This license, certificate, or registration is issued to the individual or business named on the front of this document and is **NOT TRANSFERABLE**. Notify the Board of changes to name (individual, business, and/or trade), mailing address, or location.

The privileges of this license, certificate, or registration are hereby granted to the individual or business to operate in accordance with the terms of the license, certificate, or registration herein designated and the applicable statutes of the Commonwealth of Virginia and the regulations of the Board.

The privileges conferred by this license, certificate, or registration shall continue until the expiration date. However, the license, certificate, or registration may be suspended or revoked prior to expiration.

Information about our agency, boards, and programs can be found at <http://www.dpor.virginia.gov>. Any questions relative to the issuance, privileges and maintenance of your license, certificate, or registration should be addressed to the Board.

THIS DOCUMENT AND POCKET CARD CONTAIN SECURITY FEATURES. ALTERATION OF THIS DOCUMENT OR A POCKET CARD, USE AFTER EXPIRATION, OR USE BY ANOTHER INDIVIDUAL OR BUSINESS MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

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COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation

9960 Mayland Drive, Suite 400, Richmond, VA 23233

Telephone: (804) 367-8500

EXPIRES ON

08-31-2024

NUMBER

3333000004

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS ANALYTICAL LABORATORY LICENSE
PCM PLM



MARINE CHEMIST SERVICE INC
11850 TUG BOAT LANE
NEWPORT NEWS, VA 23606-0000



Donna J. Mello
Director

Status can be verified at <http://www.dpor.virginia.gov>

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)

DPOR COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS ANALYTICAL LABORATORY LICENSE

PCM PLM

NUMBER: 3333000004 EXPIRES: 08-31-2024

MARINE CHEMIST SERVICE INC
11850 TUG BOAT LANE
NEWPORT NEWS, VA 23606-0000



(FOLD)

Status can be verified at <http://www.dpor.virginia.gov>

DPOR-PC (02/2017)

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INDIVIDUAL OR BUSINESS MAY
RESULT IN CRIMINAL
PROSECUTION UNDER THE
CODE OF VIRGINIA.
05/02/2024



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

Marine Chemist Service, Inc.

11850 Tug Boat Lane, Newport News, VA 23606

Laboratory ID: LAP-100551

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA LAP), LLC accreditation to the ISO/IEC 17025:2017 international standard, General Requirements for the Competence of Testing and Calibration Laboratories in the following:

LABORATORY ACCREDITATION PROGRAMS

<input checked="" type="checkbox"/>	INDUSTRIAL HYGIENE	Accreditation Expires: March 01, 2025
<input checked="" type="checkbox"/>	ENVIRONMENTAL LEAD	Accreditation Expires: March 01, 2025
<input checked="" type="checkbox"/>	ENVIRONMENTAL MICROBIOLOGY	Accreditation Expires: March 01, 2025
<input type="checkbox"/>	FOOD	Accreditation Expires:
<input type="checkbox"/>	UNIQUE SCOPES	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2017 and AIHA LAP, LLC requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Cheryl O Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision20: 06/07/2022

Date Issued: 03/01/2023



**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF GENERAL SERVICES
DIVISION OF CONSOLIDATED LABORATORY SERVICES**



Certifies that

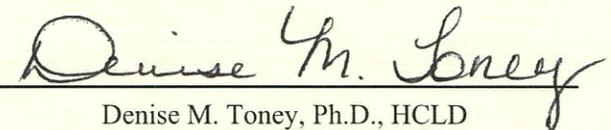
**VA Laboratory ID#: 460257
Marine Chemist Service, Inc.
11850 Tug Boat Lane
Newport News, VA 23606**

Owner: ROBERT WALKER JR.
Responsible Official: CHARLES G. WALKER

Having met the requirements of 1 VAC 30-46 and
having been found compliant with the 2016 TNI Standard approved by The NELAC Institute
is hereby approved as an
Accredited Environmental Laboratory

As more fully described in the attached Scope of Accreditation

Effective Date: **December 15, 2023**
Expiration Date: **December 14, 2024**
Certificate # 12711



Denise M. Toney, Ph.D., HCLD
DGS Deputy Director for Laboratories

Continued accreditation status depends on successful ongoing participation in the program.
Certificate to be conspicuously displayed at the laboratory.
Not valid unless accompanied by a valid Virginia Environmental Laboratory Accreditation Program (VELAP)
Scope of Accreditation.

Customers are urged to verify the laboratory's current accreditation status.

VIA Design Architects, PC-Limited Asbestos Inspection Report

Certificate Not Transferable
MCS, JOB# 24-030S-3404B Madison Ave
Newport News VA