

PROJECT MANUAL

PROJECT NAME AND LOCATION:

**Bellepark East Apartments
Siding and Window Replacement**

Contract Number: DW2300231

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INVITATION TO BID

King County Housing Authority (KCHA) will accept bids from qualified general contractors to furnish labor, materials and necessary equipment to perform the following:

SCOPE OF WORK: Work includes, but is not limited to, the removal and disposal of existing siding trim, windows and doors; installation of rain screen system; supply and installation of vinyl windows, fiberglass doors, fiber cement board siding and trim; exterior painting; gutters and downspouts and other tasks as described in the bid documents.

PROJECT MANUAL DISTRIBUTION:

Address: King County Housing Authority, 600 Andover Park, Seattle, WA 98188
Distribution: * Documents are available for download on KCHA's website at <http://www.kcha.org/business/construction/open/>

PRE-BID CONFERENCE:

Date and Time: January 12, 2023 at 1:00 P.M.
Jobsite Address: Bellepark East Apartments, 16241 NE 13th Pl, Bellevue, WA 98008.
In Addition: Contractors are strongly encouraged to attend the Pre-Bid Conference. Failure to attend the Conference will not relieve the Contractor of any responsibility for information provided at that time.
For Questions: Questions pertaining to the bid are to be sent via email to MichelleJ@kcha.org no later than seven (7) calendar days prior to bid due date. All responses shall be in the form of Addenda.
Posting: Addenda will be posted on KCHA's website.

BIDS ARE DUE:

Time: **2:00 P.M.**
Date: **January 26, 2023**
Address: King County Housing Authority
600 Andover Park West, Seattle, WA 98188
Submittal Process: * Bids may be sent to Michelle Jackson via email to MichelleJ@kcha.org,
Process: All Bids must be received by KCHA no later than the above due date and time. No Bids will be accepted after that date and time.

BID GUARANTEE: Not Required.

PERFORMANCE AND PAYMENT BONDS: As a condition of award Performance and Payment bonds for 100% of the Contract Award Amount shall be furnished for the Work.

KCHA is an Equal Employment Opportunity Employer and strongly encourages minority-owned and women-owned businesses, socially and economically disadvantaged businesses, and small businesses to submit bids or to participate as subcontractors and suppliers on KCHA Contracts.

KCHA reserves the right to reject any or all bids or to waive any informality in the bidding. No bid shall be withdrawn for a period of 60 calendar days subsequent to the opening of the bids without the written consent of KCHA.

CONTACT PERSON: Michelle Jackson at MichelleJ@kcha.org

SPECIFICATIONS

**Bellepark East Apartments Envelope
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SECTION 01100 - SUMMARY

PART 1 - GENERAL

1.1 WORK COVERED BY CONTRACT DOCUMENTS

A. Project Identification: Building Envelope Renovations

1. Project Location: Bellepark East Apartments, 16241 NE 13th Pl, Bellevue, WA 98008
 - a. Building H

B. The Work consists of, but is not limited to:

- 1) Removal and disposal of existing siding trim, windows and doors.
- 2) Provide and install rain screen assembly prior to siding to include: Vapor barrier/WRB, 1" rigid board insulation, rain screen vented flashing top & bottom, treated 1x3 furring strips, and all tape sealing and fasteners as recommended by manufacturers. (See specifications 072113, 074500, 072700 for details.)
- 3) Provide & install vinyl windows, fiberglass entry doors, fiber cement board siding and trim, fiber cement paneling at soffits in entryways, wooden grab rails at entry way landings (meeting minimum code requirements).
- 4) All exterior painting of all surfaces including siding, trim, doors, soffits, fascia, hand rails, gutters and downspouts. Secure any loose or detached gutters or downspouts prior to painting.
- 5) Replace all vent covers, remove all bird nests in wall cavities, retain electrical conduit from attic to light fixture and from grade to attic.
- 6) Remove and dispose all soils and vegetation at bottom of exterior walls to provide for 6" minimum clearance to siding and for positive slope away from building.
- 7) Protect all work during construction and clean up entire site and remove all tools, equipment, debris and excess materials at completion.
- 8) Provide paint manufacturer certification and product warranty documentation at completion.

C. Project will be constructed under a general construction contract.

1.2 WORK SEQUENCE

- A. The Work shall be completed in 45 calendar days from the date of Notice to Proceed.

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B. Contractor will submit written schedule outlining dates and duration of job including:

1. Construction start date
2. Schedule for work in each building
3. Anticipated final completion date

1.3 LIQUIDATED DAMAGES

A. Liquidated damages will be assessed for each calendar day that the Contractor exceeds the time for completion in the amount of \$250.

1.4 USE OF THE PREMISES

A. Use of Site: Limit use of premises to work areas. Do not disturb portions of site beyond areas in which the Work is indicated.

1. Owner Occupancy: Allow for resident occupancy of site. Owner will occupy site and existing building during entire construction period. Cooperate with Owner during construction operations to minimize conflicts and facilitate resident usage.
2. Driveways and Entrances: Keep driveways and entrances serving premises clear and available to residents and emergency vehicles at all times. Do not use these areas for parking or storage of materials.
3. Use of Existing Building: Maintain existing building in a weathertight condition throughout construction period. Repair damage caused by construction operations. Protect property, the buildings and occupants during construction period.

1.5 PERMITS

A. Contractor is responsible for obtaining and paying for all necessary permits and for the coordination of all required inspections.

1.6 CONTRACT MODIFICATION PROCEDURES

- A. Owner-Initiated Proposal Requests: Architect will issue a detailed description of proposed changes in the Work that may require adjustment to the Contract Sum or the Contract Time. If necessary, the description will include supplemental or revised Drawings and Specifications.
- B. Contractor-Initiated Proposals: If latent or unforeseen conditions require modifications to the Contract, Contractor may propose changes by submitting a request for a change.
- C. Construction Change Directive: Owner may issue a Construction Change Directive instructing the Contractor to proceed with a change in the Work, for subsequent inclusion in a Change Order.
- D. Documentation: Maintain detailed records required for a change order to be approved and provide evidence of the following:

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1. Wage Rates
2. Hours worked for each trade
3. Materials
4. Equipment

E. Do not perform change order Work without approval of the Owner. Work performed without approval will not be compensated.

1.7 PAYMENT PROCEDURES

A. Coordinate preparation of the Schedule of Values with preparation of Contractor's Construction Schedule.

B. Each Application for Payment shall be consistent with previous applications and payments.

C. Entries shall match data on the Schedule of Values and Contractor's Construction Schedule. Use updated schedules if revisions were made.

D. Waivers of Lien: With each Application for Payment, submit conditional waivers lien from every entity who is lawfully entitled to file a lien arising out of the Contract and related to the Work covered by the payment.

1. Submit partial waivers on each item for amount requested, before deduction for retainage, on each item.
2. When an application shows completion of an item, submit final or full waivers.
3. Owner reserves the right to designate which entities involved in the Work must submit waivers.

a. Submit final Application for Payment with or proceeded by final waivers from every entity involved with performance of the Work covered by the application who is lawfully entitled to a lien.

E. Final Payment Application: Submit final Application for Payment with releases and close out supporting documentation.

1.8 PROJECT MEETINGS

A. Preconstruction Conference: Schedule a preconstruction conference before starting construction, at a time convenient to Owner, but no later than 7 days after execution of the Agreement.

B. Progress Meetings: Conduct progress meetings at weekly intervals.

1.9 SUBMITTALS

A. Subcontract list. Prepare written information that demonstrates capabilities and experience of firm or persons.

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- B. Provide window and door details, cut sheets, sizing information and performance data prior to ordering materials.
- C. Follow Washington Industrial Safety and Health Act (WISHA) regional directives and provide a site-specific safety program that will require an accident prevention and hazard analysis plan for the contractor and each subcontractor on the work site. The Contractor shall submit a site-specific Accident Prevention Program (APP) to the Owner's representative prior to the initial scheduled construction meeting.

1.10 TEMPORARY FACILITIES

- A. Sanitary Facilities: Provide temporary toilets, wash facilities, and drinking-water fixtures. Comply with regulations and health codes for type, number, location, operation, and maintenance of fixtures and facilities.
- B. Use of Owner's existing electric power service will not be permitted.
- C. Four parking spaces and an additional lay down area shall be available to the contractor for storage containers and parking. Do not park in marked tenant spaces.

1.11 SUBSTITUTIONS

- A. Substitutions: Changes in products, materials, equipment, and methods of construction from those required by the Contract Documents and proposed by Contractor.
- B. Substitution requests may be submitted and shall include:
 - 1. Shop drawings showing dimensions
 - 2. Product Data, including descriptions of products and fabrication and installation procedures
 - 3. Data showing how product meets the specifications

1.12 CONSTRUCTION WASTE MANAGEMENT

- A. Regulatory Requirements: Conduct construction waste management activities in accordance with State of Washington RCW 39.04.13, and all other applicable laws and ordinances.
- B. Performance Requirements
 - 1. General: Where possible divert CDL waste from the landfill by one, or a combination of the following activities: Salvage, Reuse, Source-Separated CDL Recycling, Co-mingled CDL Recycling.
- C. Removal of Construction Waste Management
 - 1. Remove CDL waste materials from project site on a regular basis. Do not allow CDL waste to accumulate on-site.
 - 2. Transport CDL waste materials off Owner's property and legally dispose of them.

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3. Burning of CDL waste is not permitted.

1.13 EXECUTION REQUIREMENTS

- A. General: Clean Project site and work areas daily, including common areas. Coordinate progress cleaning for joint-use areas where more than one installer has worked. Enforce requirements strictly. Dispose of materials lawfully.

1.14 CUTTING AND PATCHING

A. Quality Assurance

1. Structural Elements: Do not cut and patch structural elements in a manner that could change their load-carrying capacity or load-deflection ratio.
2. Visual Requirements: Do not cut and patch construction in a manner that results in visual evidence of cutting and patching. Do not cut and patch construction exposed on the exterior or in occupied spaces in a manner that would, in Owner's opinion, reduce the building's aesthetic qualities. Remove and replace construction that has been cut and patched in a visually unsatisfactory manner.

B. Performance

1. Cutting: Cut existing construction by sawing, drilling, breaking, chipping, grinding, and similar operations, including excavation, using methods least likely to damage elements retained or adjoining construction. If possible, review proposed procedures with original Installer; comply with original Installer's written recommendations.
2. Patching: Patch construction by filling, repairing, refinishing, closing up, and similar operations following performance of other Work. Patch with durable seams that are as invisible as possible. Provide materials and comply with installation requirements specified in other Sections of these Specifications.
 - a. Exposed Finishes: Restore exposed finishes of patched areas and extend finish restoration into retained adjoining construction in a manner that will eliminate evidence of patching and refinishing.
 - b. Exterior Building Enclosure: Patch components in a manner that restores enclosure to a weathertight condition.

1.15 CLOSEOUT PROCEDURES

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

1. Prior to acceptance of the work at each building, clean project site, yard, and grounds, in areas disturbed by construction activities, including landscape development areas, of rubbish, waste material, litter, and other foreign substances.

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- B. Prior to final acceptance and final payment, Contractor shall submit a written warranty covering labor and materials for a period of two (2) years from final completion.

PART 2 - PRODUCTS (not used)

PART 3 - EXECUTION (not used)

END OF SECTION 01100

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SECTION 01732 - SELECTIVE DEMOLITION

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes demolition, and removal and replacement.
 - 1. Selected portions of a building or structure to be demolished include but are not limited to:
 - a. Windows and doors
 - b. Siding
 - c. Barge Boards
 - d. Fascia
 - e. Corner boards
 - f. Horizontal and vertical Trim
 - g. Window & Door Trim
 - h. GWB window liners (adjust to suit new windows).
 - i. Interior Wood sills (adjust to suit new windows).
 - j. Gutters and downspouts.
 - k. All other items necessary to perform the specified work.
 - 2. In addition to items listed above, selected portions of a building or structure to be removed and reinstalled include but are not limited to:
 - a. Signage.
 - b. Exterior lights.
 - c. Cable and phone equipment.
 - d. Door hardware unless otherwise indicated.
 - e. All other items necessary to perform the specified work.

1.2 MATERIALS OWNERSHIP

- A. Except for items or materials indicated to be reused, salvaged, reinstalled, or otherwise indicated to remain Owner's property, demolished materials shall become Contractor's property and shall be removed from Project site.

1.3 PROJECT CONDITIONS

- A. Owner will occupy portions of building immediately adjacent to selective demolition area. Conduct selective demolition so Owner's operations will not be disrupted. Provide not less than 72-hours' notice to Owner of activities that will affect Owner's operations.
- B. Maintain access to existing walkways, corridors, and other adjacent occupied or used facilities.

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1. Do not close or obstruct walkways, corridors, or other occupied or used facilities without written permission from authorities having jurisdiction.
- C. Owner assumes no responsibility for condition of areas to be selectively demolished.
 1. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.
- D. Hazardous Materials: A Limited Asbestos Survey dated November 27, 2019 is included in the specifications. Comply with all applicable laws regarding removal and disposal of hazardous materials.
 1. If materials not listed in the report are suspected of containing hazardous materials are encountered, do not disturb and immediately notify Owner. Hazardous materials will be removed by Owner under a separate contract.
- E. Storage or sale of removed items or materials on-site will not be permitted.
- F. Utility Service: Maintain existing utilities indicated to remain in service and protect them against damage during selective demolition operations.

PART 2 - PRODUCTS

2.1 REPAIR MATERIALS

- A. Use repair materials identical to existing materials.
 1. If identical materials are unavailable or cannot be used for exposed surfaces, use materials that visually match existing adjacent surfaces to the fullest extent possible.
 2. Use materials whose installed performance equals or surpasses that of existing materials.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify that utilities have been disconnected and capped.
- B. Survey existing conditions and correlate with requirements indicated to determine extent of selective demolition required.

3.2 UTILITY SERVICES

- A. Existing Utilities: Maintain services indicated to remain and protect them against damage during selective demolition operations.

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3.3 PREPARATION

- A. Site Access and Temporary Controls: Conduct selective 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 traffic ways if required by governing regulations.
 - 2. Erect temporary protection, such as walks, fences, railings, canopies, and covered passageways, where required by authorities having jurisdiction.
 - 3. Protect existing site improvements, appurtenances, and landscaping to remain.

3.4 SELECTIVE DEMOLITION

- A. General: Demolish and remove existing construction only to the extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations.
- B. Removed and Reinstalled Items: Remove and re install items as soon as possible to prevent unsafe conditions.
 - 1. Entry lights shall be functional at all times.
 - 2. All doors and windows to be replaced by the end of each day. No openings to remain unsecured at the end of the working day, overnight or over the weekend.

3.5 DISPOSAL OF DEMOLISHED MATERIALS

- A. General: Promptly dispose of demolished materials. Do not allow demolished materials to accumulate on-site.
- B. Burning: Do not burn demolished materials.
- C. Disposal: Transport demolished materials off Owner's property and legally dispose of them.

END OF SECTION 01732

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SECTION 07462 - FIBER CEMENT SIDING

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Fiber Cement Siding including Horizontal Lap Siding.
- B. Trim: Vertical, Horizontal, Window/Door, Soffits, Fascia, Barge and Accessories.

1.2 SUBMITTALS

- A. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods, including nailing patterns.
- B. Siding manufacturer's requirements for vapor retarders, primer, paint, etc.

1.3 QUALITY ASSURANCE

- A. Installer Qualifications: Provide installer with not less than three years of experience with products similar to those specified.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Comply with manufacturer's instructions to avoid damage to products.
- B. Store products off the ground, on a flat surface, and under a roof or separate waterproof covering.
 - 1. Stacking materials may result in damage to product or finish.

1.5 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.6 WARRANTY

- A. Provide manufacturer's 50-year limited siding warranty.

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- B. Register manufacturer's warranty, made out in Owner's name, with copy to Owner.
- C. Workmanship Warranty: Application warranty for 2 years.

PART 1 - PRODUCTS

1.1 MANUFACTURERS

- A. Allura of Plycem, 15055 Woodham Drive Houston, Texas 77073 main: (844) 4 ALLURA or (844) 425-5872 email: info@elementia.com www.alluraUSA.com

1.2 SIDING

- A. Fiber Cement Board Panels - General: Allura Fiber Cement Board Panels consist of cement, recycled content and cellulose fiber formed under high pressure into boards with integral surface texture; complying with ASTM C 1186 Type A Grade II; machined edges; for nail attachment.
- B. Horizontal Siding: Allura Lap Siding.
 - 1. Thickness: 5/16 inch.
 - 2. Length: 12 feet.
 - 3. Style: Cedar lap siding.
 - a. Width: 8-1/4 inches (159 mm) wide (6 1/2-inch reveal).
 - 4. Sealant/Primer: Allura Sealant/Primer.
 - 5. Field Finish Paint: 100 percent acrylic latex as specified in Section 09911.

1.3 ACCESSORIES

- A. Corner boards: Allura FiberCement Trim, 5/4"x 3" and 5/4"x 4"
 - 1. Milled Texture: To match siding
 - 2. Dimension: 5/4"x3" & 5/4"x 4"
 - 3. Finish: Primed
- B. Fascia, Belly Board and Barge Boards: 5/4-inch FiberCement material smooth face . Primed SPF S1S2E cut to match existing: width.
- C. Inside Corner: 2"x 2" primed SPF S1S2E
- D. All other trim: Primed FiberCement: 5/4-inch material.
- E. Sealant: Paintable, 100 percent acrylic latex caulk complying with ASTM C 920.
- F. Building Paper: DuPont Tyvek DrainWrap.

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- G. Seam Tape (Flashing tape): 3- inch wide, DuPont Tyvek Tape as distributed by DuPont Building Innovations.
- H. Finish Paint: As specified in Section 09911.
- I. Nails: Hot dipped galvanized steel.

1.4 FINISHES

- A. Factory Primer: Provide factory applied universal primer.
 - 1. Primer: Factory applied.
 - 2. Topcoat: - Refer to Section 09911.

PART 2 - EXECUTION

2.1 DEMOLITION

- A. General: Demolish and dispose off site existing construction only to the extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations.
- B. Removed, store and reinstalled all items not identified for replacement.

2.2 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.

2.3 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Install moisture barrier with penetration and junction flashing and sealed.
 - 1. Use self-adhesive flashing tape to secure joint and laps.
 - 2. Lap barrier over flashing and tape securely.
 - 3. Tape all penetrations.

2.4 INSTALLATION - LAP SIDING

- A. Install materials in strict accordance with manufacturer's installation instructions and recommendations.

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- B. Starting: Install a minimum 1/4-inch thick lath starter strip at the bottom course of the wall. Apply planks horizontally with minimum 1-1/4-inches wide laps at the top. The bottom edge of the first plank overlaps the starter strip.
- C. Allow minimum vertical clearance between the edge of siding and any other material in strict accordance with the manufacturer's installation instructions.
- D. Align vertical joints of the planks over framing members and use joint flashing plate.
- E. Maintain clearance between siding and adjacent finished grade.
- F. Locate splices at least one stud cavity away from window and door openings.
- G. Locate splices at least 12-inches away from window and door openings.

2.5 INSTALLATION - TRIM

- A. Install all trim true and straight with no distortions. Shim as required with concealed shims. Install level and plumb to a tolerance of 1/8 inch in 96 inches.
- B. Install trim in longest lengths possible.
- C. Corner boards shall be in one single piece.
- D. Clean trim on exposed and semi exposed surfaces and leave ready for paint.

2.6 ACCESSORIES

- A. Install moisture barrier and lap over flashing and tape.
 - 1. Tape all joints and seal around penetrations.
- B. Install trim materials as indicated.
- C. Set all nails in trim boards and siding as per manufacturer's instructions.
- D. Caulk siding joints in strict accordance with manufacturer's installation instructions.

2.7 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION 07462

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SECTION 07620 - SHEET METAL FLASHING AND TRIM

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes the following:
 - 1. Formed roof drainage system.
 - 2. Sheet metal flashing.

1.2 SUBMITTALS

- A. Product Data: For each product indicated.

1.3 QUALITY ASSURANCE

- A. Sheet Metal Flashing and Trim Standard: Comply with SMACNA's "Architectural Sheet Metal Manual." Conform to dimensions and profiles shown unless more stringent requirements are indicated.

PART 2 - PRODUCTS

2.1 ROOF DRAINAGE SHEET METAL FABRICATIONS

- A. Hanging Gutters: 5-inch K-Style, 027 gauge aluminum, continuous aluminum gutter complete with end pieces, outlet tubes, and other accessories as required. Fabricate on-site, with no seams. Fabricate gutter accessories from same metal as gutters.
 - 1. Fabricate gutters from: 0.027-inch thick aluminum with baked on finish (Owner to select color from standard range).
 - 2. Hanger Style: Aluminum Quick Screw Hanger with 3-inch hex head screw.
- B. Downspouts: Standard 2" x 4" rectangular downspouts complete with front and side elbows. Furnish with metal straps from same material as downspouts.
 - 1. Fabricate downspouts from: 0.027-inch thick aluminum with baked on finish (Owner to select color from standard range).
- C. Sealant: Geocel 2000 or approved equal.

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2.2 FLASHING

- A. 26 gauge min. zinc galvanized complying with ASTM A-93 coating not less than 1.50 ounce zinc coating per sq. ft. (total for both sides), with pre-painted finishes on both sides. ("Kynar" bronze color each side).
- B. Fabricate sheet metal flashing and trim to comply with recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to design, dimensions, metal, and other characteristics of item.
 - 1. Minimum Pre-primed 26 gauge hot-dipped galvanized steel sheet, or aluminum.
 - a. Include folded hem on all exposed flashing.
 - 2. Window and door flashing.
 - 3. Bellyband and blocking flashing.
 - 4. Joint flashing plate.
 - 5. Fasteners: Hot-dipped galvanized or stainless steel as required to penetrate minimum 1-1/4 inch into solid backing.

PART 3 - EXECUTION

3.1 ROOF DRAINAGE SYSTEM INSTALLATION

- A. General: Install sheet metal roof drainage items to produce complete roof drainage system according to SMACNA recommendations and as indicated. Coordinate installation of roof perimeter flashing with installation of roof drainage system. Install downspouts and plumb.
- B. Hanging Gutters: Attach gutters at eave or fascia to firmly anchored gutter brackets spaced not more than 24-inches apart. Crimped and sealed end caps and downspout flanges with a heavy bead of non-curing sealant.
 - 1. Anchor gutter not more than 24-inches apart.
 - 2. Slope gutters to downspouts at 1/4" per 1'.
 - 3. When specified use a "Y" attachment to connect two gutters to a single downspout.
- C. Downspouts: Join sections with 1-1/2-inch telescoping joints. Provide hex head screws to securely strap to building and downspouts; locate fasteners at top and bottom and at approximately 60-inches o.c. in between.
 - 1. Provide elbows at base of downspout to direct water away from building if no site drainage is present.
 - 2. Connect downspouts to underground drainage system if available.

3.2 FLASHING INSTALLATION

- A. General: Install sheet metal roof flashing and trim to comply with performance requirements and SMACNA's "Architectural Sheet Metal Manual." Provide concealed fasteners where

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possible, set units true to line, and level as indicated. Install work with laps, joints, and seams that will be permanently watertight.

END OF SECTION 07620

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SECTION 08211 - DOORS

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes prehung exterior including hardware.

1.2 SUBMITTALS

- A. Product Data: For each type of door.

PART 2 - PRODUCTS

2.1 EXTERIOR DOORS

- A. Jeld-Wen 36"x 80" 6-Panel Primed White Fiberglass Prehung Front Door, 8 Units
 - 1. Satin nickel hinges.
 - 2. Bored for existing locksets.
 - 3. Weatherstripping in slotted door jamb.
 - 4. Aluminum threshold and door sweep.

2.2 HARDWARE

- A. Door Stops Everbilt Model # 15055 Satin Chrome Wall Door Stop.
- B. Door Viewer: Prime-Line 200-degree door viewer.
- C. Door Numbers: Remove and reinstall on new doors with double sided tape.

2.3 STANDING AND RUNNING TRIM

- A. Interior: Woodgrain Millwork 366 - 11/16 in. x 2-1/4 in. Primed Finger-Jointed Door Casing Moulding. No MDF trim materials to be used.

2.4 MISCELLANEOUS MATERIALS

- A. Low/No VOC adhesives and sealants.
- B. Other materials as necessary for a complete job.

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- C. Non expanding foam.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install doors to comply with manufacturer's written instructions, referenced quality standard, and as indicated.
- B. All doors shall be painted with finish coats prior to installation.
- C. Factory-Fitted Doors: Align in frames for uniform clearance at each edge.
- D. Allow door clearance for flooring material and adjust as necessary after flooring installation.
- E. Install finish carpentry level, plumb, true, and aligned with adjacent materials. Use concealed shims where required for alignment. Scribe and cut finish carpentry to fit adjoining work. Refinish and seal cuts.
- F. Standing and Running Trim: Install with minimum number of joints practical, using full-length pieces from maximum lengths of lumber available. Stagger joints in adjacent and related trim. Cope at returns and miter at corners. Provide trim to all doors including entry door.
- G. Repair damaged or defective finish carpentry where possible to eliminate functional or visual defects. Where not possible to repair, replace finish carpentry. Adjust joinery for uniform appearance.
- H. Exterior doors shall be foamed to create an airtight seal. Threshold shall be bedded into beads of silicone caulk.

END OF SECTION 08210

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SECTION 08531 – VINYL WINDOWS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Operable Extruded Vinyl (PVC) Windows to match existing.

1.2 SUBMITTALS

- A. Product Data: Provide manufacturer's standard details and catalog data demonstrating compliance with referenced standards; include installation instructions and storage requirements.
 - 1. Drawings:
 - a. Drawings demonstrating dimensional layout of rails, stiles and muntins.
 - 2. Samples:
 - a. Color samples: Minimum 1 x 4 inch samples of PVC with integral color.
 - b. Glass.
 - 3. Quality Assurance/Control Submittals:
 - a. Qualifications: Proof of manufacturer's qualifications.
 - b. U-Factor and structural rating test data.
 - c. Manufacturer's Installation Instructions.
- B. Closeout Submittals: Submit following items:
 - 1. Temporary labels marked to identify windows that labels were applied to.
 - 2. Maintenance instructions.
 - 3. Special Warranties.

1.3 QUALITY ASSURANCE

- A. Overall Standards: Comply with AAMA/WDMA/CSA 101/I.S.2/A440-05 except as otherwise noted herein.
- B. Qualifications:
 - 1. Manufacturer Qualifications:
 - a. Certified Manufacturer by AAMA, and NFRC.

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- C. Certifications for insulated glass windows:
 - 1. AAMA: Windows shall be Gold Label certified with label attached to frame per AAMA requirements.
 - 2. NFRC: Windows shall be NFRC certified with temporary U-factor label applied to glass and an NFRC tab added to permanent AAMA frame label.

- D. Mock-up
 - 1. Install window mock-up using approved assembly including fasteners, flashing, tape and related accessories in accordance with the drawings and specifications, and manufacturer's current printed instructions and recommendations.
 - a. Mock-up location: As selected by Owner.
 - b. Coordinate installation with Owner and give a minimum of one week's notice prior to installation.
 - c. Mock-up may remain as part of the work.
 - 2. Testing
 - a. The window assembly shall be tested in accordance with ASTM, E783-02(10) standard test method for field measurement of air leakage through installed exterior windows and doors.
 - 1) The test room shall be pressurized to 50 Pascal with respect to the exterior.
 - 2) The installation shall be inspected by the Owner with chemical smoke for air leakage of the window installation. This is not a test of the window but of the window installation. The judgment of success of the test will be the approval of the installation by the Owner.
 - 3) The test shall demonstrate that the assembly is substantially airtight with no significant air leakage pathways identified.
 - 4) The installation and test shall be repeated until a satisfactory standard is attained.
 - 5) The successfully tested assembly shall be the method of installation for all the windows in the project.
 - 6) The Owner may test additional windows during the project to ensure compliance. Coordinate with Owner as necessary.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Follow manufacturer's instructions on label applied to windows.

1.5 WARRANTY

- A. Commercial Special Warranty:
 - 1. 10 year guarantee.

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2. Guarantee windows against defects in materials and workmanship for ten years on glass and material including parts and labor.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Ply Gem Windows, 5001 D Street NW, Auburn, WA 98001 Tel. (800) 227-3699.

2.2 MATERIALS

- A.
 1. Front Windows 8 Units: Replace wide front windows with slider style, MRACA 2450/50 with 2 sliders 2'x5' flanking either side of fixed center window 5'x5', RO 9' 11 1/2" x 5' 0 1/2".
 2. Back Windows 16 Units: Replace existing with matching sliders, 6' x 3' nominal size.
 3. Side Windows 8 Units: Replace existing with matching sliders, 3' x 5' nominal size.
- B. Window Frame and Sash Members: Impact resistant, exterior grade polyvinyl chloride extrusions complying with AAMA 303 and ASTM D 4726.
 1. Non-corroding, non-flaking, non-chipping, non-rotting; no electrical conductance; low thermal conductance
 2. Minimum External Wall Thickness: 0.070 inch nominal.
 3. Finish of Surfaces Exposed to View: Solid vinyl with smooth gloss finish and uniform consistent color.
- C. Insulating Unit: Complying with ASTM E 774, Class CBA.
 1. Thermal Performance:
 - a. Total Unit U-Value: 0.30
 - b. Visible Transmittance: 0.54
 - c. Solar Heat Gain Coefficient: 0.28
- D. Screens: Type installable from interior side, providing reasonable insect control (only) when operable sash is in open position; re-wirable glass fiber mesh, 14 x 18 mesh, secured in channel of aluminum box frame with continuous vinyl spline.
 1. Frame Color: Matching frame and sash interior color.
- E. Operating Hardware: Types for specified operable-sash windows; sight-exposed hardware of UV-stabilized engineered plastic; color matched to vinyl extrusions for uniform appearance. Die cast zinc cam-type sash locks and keepers, color matched to vinyl extrusions for uniform appearance.
- F. Fasteners: Corrosion-resistant.

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- G. Weatherstripping: Types for specified operable-sash windows and operable doors.
- H. Mullions: Structural mullion system complying with AAMA Grade deflection requirements for supported windows; extruded aluminum core; internal and external rigid PVC caps color to match adjacent window frames.

2.3 GENERAL PERFORMANCE REQUIREMENTS

- A. Thermal Performance: Comply with NFRC 100.
- B. Air Leakage, Water Resistance, Structural Test: Comply with AAMA/WDMA/CSA 101/I.S.2/A440-05
- C. Forced-Entry Resistance: Comply with CAWM 301 and ASTM F588

2.4 VINYL WINDOWS

- A. A. Manufacturer: Ply Gem Windows, Cary, NC (with offices in Auburn, WA)
- B. Other Manufacturers accepted:
 - 1. VPI Quality Windows, Spokane, WA
 - 2. Cascade, WA
- C. Product Description: Ply Gem Pro Series, hollow tubular ultra-violet resistant polyvinyl chloride (PVC) window frames with welded corner construction. Configurations of sash as per existing
- D. All units to be NFRC rated.

2.5 COMPONENTS

- A. A. Minimum energy conservation requirements: U-value 0.27 or better for entire unit.
- B. Insulating Glass: HP2+ sealed double pane units, 3/4" inch thick, Low-E argon filled, conforming to the following.
 - 1. Outer Pane: Clear, Low-E coating, float glass, ASTM C1036, Quality 1.
 - 2. Inner Pane: Clear float glass, Interior Surface Low-E, ASTM C1036, Quality 1.
 - 3. Tempered: Clear, ASTM C 1048.
 - 4. Pane Thickness: 1/4".
 - 5. U-value center of glass: 0.26 (summer daytime) and 0.28 (winter night time).
 - 6. Solar Heat Gain Coefficient (SHGC): 0.27.
 - 7. Visible Light Transmittance: 64%.
 - 8. Locations: All units except those specifically identified on the window schedule(s).

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- C. Window Frame: Extruded multi-chambered PVC frame with integral ultra-violet degradation resistance, continuous integral nailing fin; depth 3-7/16 inches; nominal wall thickness 0.050 to 0.080 inches; corners mitered and heat welded.
- D. Window Hardware: Sash lock: Lever handle with cam lock. Install at factory. Standard crank handles for casement windows, standard handle for awning windows. Locate hardware within 48-inches of finished floor.
- E. Window Sills: Tubular; sloped for positive wash; one-piece full width of opening.
- F. Operable Sash Weather Stripping: Manufacturer's standard; permanently resilient, profiled to effect weather seal.
- G. Color: White PVC frame and hardware.
- H. Insect Screen Frame: manufacturer's standard frame of rectangular sections; nominal size similar to operable glazed unit.
- I. Insect Screens: gray color.
- J. Acceptable Product: Pro Series.

2.6 ACCESSORIES

- A. Fasteners and Anchors: Manufacturer's standard.

2.7 FABRICATION

- A. Integral nail flange.
- B. Units to be factory assembled and glazed.

2.8 FLASHING

- A. Self-adhesive flashing tape - 3M™ All weather Flashing Tape 8067.

2.9 SEALANTS

- A. Silicone caulk to wet set windows.
- B. Paintable caulk to seal siding and trim.

PART 3 - EXECUTION

3.1 EXAMINATION

VINYL WINDOWS

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- A. Examine openings, substrates, structural support, anchorage, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of work. Verify rough opening dimensions, levelness of sill plate, and operational clearances. Examine wall flashings, vapor retarders, water and weather barriers, and other built-in components to ensure a coordinated, weather tight window installation.
 - 1. Verify that fasteners in framed walls are fully driven and will not interfere with window installation.
 - 2. Verify that sill is flat and level.
- B. Coordinate with responsible entity to correct unsatisfactory conditions.
- C. Commencement of work by installer is acceptance of substrate conditions.

3.2 WINDOW INSTALLATION

- A. Flash head, jamb and sill in accordance as indicated in these specifications and plans and in accordance with industry standards.
 - 1. Adjust GWB liner and wood sills as necessary including either cutting back or extending to match existing.
 - 2. Install self-adhesive flashing tape to sill, jambs and head.
 - 3. Include butterflies at bottom corners.
 - 4. Wet set windows with silicon caulk along nailing penetrations.
 - a. Caulk shall be visible through every penetration after installation.
 - 5. Install self-adhesive flashing tape over the nailing fins.
 - 6. Install flashing as indicated on plans.
 - 7. Caulk interior drywall and sills.
 - 8. Remove and reinstall blinds.

3.3 ADJUSTING

- A. Adjust operating sashes and ventilators, screens, hardware, and accessories for a tight fit at contact points and weather stripping for smooth operation and weather tight closure. Lubricate hardware and moving parts if necessary.

3.4 CLEANING

- A. Remove temporary labels and retain for Closeout Submittals.
- B. Clean factory-glazed glass immediately after installing windows. Clean soiled surfaces and glass using a mild detergent and warm water solution with soft, clean cloths. Remove nonpermanent labels, and clean surfaces.
- C. Install insect screens on operable panels.

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END OF SECTION 08531

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SECTION 09911 - EXTERIOR PAINTS AND COATINGS

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Surface preparation and field painting of exposed exterior items and surfaces.

1. FiberCement Siding & TrimWood

- a. Siding
- b. Trim
- c. Door Trim/Casing/Fascia
- d. Eves Soffits
- e. Handrails
- f. All previously painted wood

2. Metal &Fiberglass

- a. Handrails
- b. Entry Unit Doors
- c. All previously painted metal

3. Excluded

- a. Vinyl Windows
- b. Unpainted Foundations

1.2 REFERENCES

A. ASTM D 16 - Standard Terminology Relating to Paint, Varnish, Lacquer, and Related Products.

B. ASTM D 3359 - Standard Test Methods for Measuring Adhesion by Tape Test.

C. ASTM D 1653 - Standard Test Methods for Water Vapor Transmission of Organic Coating Films.

D. ASTM E-96 - Standard Test Methods for Water Vapor Transmission of Materials.

E. SSPC, The Society for Protective Coatings - Web Site <http://www.sspc.org>:

1. SSPC-SP1 Solvent Cleaning.
2. SSPC-SP2 Hand Tool Cleaning.
3. SSPC-SP3 Power Tool Cleaning.
4. SSPC-SP7 Brush-Off Blast Cleaning.

F. PDCA Paint and Decorating Contractors of America - Web Site <http://www.pdca.org>:

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1. PDCA Standards P1 through P15

1.3 SUBMITTALS

- A. Product Data: Manufacturer's data sheets on each product to be used, including:
 1. Preparation instructions and recommendations.
 2. Storage and handling requirements and recommendations.
 3. Installation methods.
- B. Finish Schedule: Submit finish schedule including color information, gloss and model number for each type and color of finish specified.
- C. Verification Samples: For each finish product specified, two samples, minimum size 6 inches square, representing actual product, color, and patterns.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: All primary products specified in this section will be supplied by a single manufacturer with a minimum of ten years' experience.
- B. Installer Qualifications: All products listed in this section are to be installed by a single installer with a minimum of five years demonstrated experience in installing finishes and coatings of the same type and scope as specified.
- C. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques, color, sheen and application workmanship.
 1. Finish areas designated by Owner.
 2. Finish two exterior doors for adhesion test purposes.
 3. Do not proceed with remaining work until workmanship, color, and sheen are approved by Owner.
 4. Refinish mock-up area as required to produce acceptable work.
 5. Provide up to three color change mock ups.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.
- C. Take special safety precautions against hazards from toxic and flammable materials.
- D. Place paint and solvent contaminated cloths and materials, subject to spontaneous combustion, in containers and remove from job site each day.

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- E. Keep open flame, electrical and static spark, and other ignition sources from flammable vapors and materials at all times.

1.6 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
- B. Post "WET PAINT" signs during application and curing of all coatings that may be accessed by other trades or the public.
- C. Post "NO SMOKING" signs during application and curing of solvent-based materials.

1.7 COORDINATION

- A. Coordinate Work with other operations and installation of finish materials to avoid damage to installed materials.
- B. Do not apply coating materials until moisture or dust-producing work or other appearance or performance impairing construction activities have been completed.

1.8 WARRANTY

- A. At project closeout, provide to Owner an executed copy of the manufacturer's standard limited warranty against manufacturing defect, outlining its terms, conditions, and exclusions from coverage.
 - 1. Include final written approval from paint manufacturer's representative that the product has been applied in accordance with the manufacturer's instructions as required to obtain manufacturer's standard limited warranty.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Materials selected for coating systems for each type surface shall be the product of a single manufacturer.
- B. Do not thin finish coats without the manufacturer's approval.
- C. Unsuitability of specified products: Claims concerning unsuitability of any material specified or inability to satisfactorily produce the work will not be entertained, unless such claim is made in writing to Owner before work is started.

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- D. Number of coats scheduled is minimum. Apply additional coats at no additional cost if necessary to completely hide base materials, produce uniform color, and provide satisfactory finish result.

2.2 MANUFACTURERS

- A. Acceptable Manufacturer: Behr Paint Company, Santa Ana, California 92705.
 - 1. Regional Accounts Manager: Jill Marlatt, 425.761.9077, jmarlatt@behr.com

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine surfaces scheduled to receive paint and finishes for conditions that will adversely affect execution, permanence or quality of work and which cannot be put into acceptable condition through preparatory work as included in Article 3.2 "Preparation ". Notify Owner in writing of any defects or conditions which will prevent a satisfactory installation.
- B. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may effect proper application.
- C. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows;
 - 1. Concrete: 12 percent
 - 2. Portland Cement Plaster and Stucco: 12 percent
 - 3. Masonry (Clay and CMU): 12 percent
 - 4. Wood: 15 percent
 - 5. Gypsum Board: 12 percent
- D. Portland Cement Plaster Substrates: Verify that plaster is fully cured.
- E. Verify suitability of substrates, including surface conditions and compatibility with existing finishes and primers.
- F. Proceed with surface preparation and coating application only after unsatisfactory conditions have been corrected.
 - 1. Application of coating is construed as acceptance of surfaces and conditions.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to coating application.
- B. Masking: All masking over windows in occupied units shall be removed at the end of each work day.

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- C. Do not start work until surfaces to be finished are in proper condition to produce finished surfaces of uniform, satisfactory appearance.
- D. Stains and Marks: Remove completely, if possible, using materials and methods recommended by coating manufacturer; cover stains and marks which cannot be completely removed with isolating primer or sealer recommended by coating manufacturer to prevent bleed-through.
- E. Remove Mildew, Algae, and Fungus using materials and methods recommended by coating manufacturer.
- F. Remove dust and loose particulate matter from surfaces to receive coatings immediately prior to coating application.
- G. Remove or protect adjacent hardware, electrical equipment plates, mechanical grilles and louvers, lighting fixture trim, fabric canopies, and other items not indicated to receive coatings.
- H. Move or protect equipment and fixtures adjacent to surfaces indicated to receive coatings to allow application of coatings.
- I. Protect adjacent surfaces not indicated to receive coatings.
- J. Prepare surfaces in accordance with manufacturer's instructions for specified coatings and indicated materials, using only methods and materials recommended by coating manufacturer.

3.3 SURFACE PREPARATION

- A. All surfaces to be painted shall be pressure washed.
- B. Mildew
 - 1. A solution of 1 part Jomax house cleaner and mildew killer concentrate and 1 part water will be applied by a low pressure system such as:
 - a. Gallon pressure sprayer
 - b. Juice box
 - c. Very low pressure airless sprayer with little or no "bounce back".
 - 2. All surfaces will be wetted with this mildewcide solution, not just the most easily accessible. Do not allow this solution to dry before rinsing thoroughly with clean water.
- C. Metal: Pressure wash and then sand, wire brush, or scrape as necessary to remove excess rust scale and loose/peeling paint not removed initial cleaning. Prime all bare metal as soon as possible after preparation.
- D. All other surfaces: Pressure wash and scrape to remove dirt contaminants, dust, and loose/peeling paint to provide a smooth surface for paint application. Hammer all protruding nail heads flush with surface before painting. Prime all bare wood areas before applying finish coat. Caulk any open miters or cracks in surface.

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- E. Any debris or chemical residue on windows due to power wash operation will be removed by thoroughly rinsing the windows and surrounding trim. Due care is to be exercised around window seals to prevent damage. Protect all vehicles, other surfaces or plants which will not be receiving paint but which might be harmed by chemical exposure. Temporary coverings are normally the preferred method.
- F. All washed surfaces will have at least two days of continuous drying time (no rain). Surfaces to be painted must have no more than 13% moisture content before priming and painting commences. Washing one day and painting the next is not acceptable.
- G. The Owner's Representative and paint manufacturer's representative shall inspect preparation prior to the application of paint finishes. Contractor will rework surfaces not properly prepared to receive paint finishes to the satisfaction of the either.

3.4 APPLICATION - GENERAL

- A. Apply each coat to uniform coating thickness in accordance with manufacturer's instructions, not exceeding manufacturer's specified maximum spread rate for indicated surface; thins, brush marks, roller marks, orange-peel, or other application imperfections are not permitted.
- B. Allow manufacturer's specified drying time, and ensure correct coating adhesion, for each coat before applying next coat.
- C. Inspect each coat before applying next coat; touch-up surface imperfections with coating material, feathering, and sanding if required; touch-up areas to achieve flat, uniform surface without surface defects visible from 5 feet.
- D. Do not apply succeeding coat until Owner and paint manufacturer's representative has approved previous coat; only approved coats will be considered in determining number of coats applied.
- E. Remove dust and other foreign materials from substrate immediately prior to applying each coat.
- F. Where coating application abuts other materials or other coating color, terminate coating with a clean sharp termination line without coating overlap.
- G. Where color changes occur between adjoining spaces, through framed openings that are of same color as adjoining surfaces, change color at outside top corner nearest to face of closed door.
- H. Re-prepare and re-coat unsatisfactory finishes; refinish entire area to corners or other natural terminations.
- I. Disconnect downspouts from building during application to ensure adequate coverage of trim or siding. Re attach immediately after application.
- J. Exterior Doors
 - 1. Exterior doors shall be painted in groups that allow a single Owner provided staff member to monitor for security.

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2. Doors shall be painted open and shall include painting of the hinge side (do not paint hinges or labels).
3. Remove weatherstripping prior to painting doors to ensure that doors may be secure immediately after painting.
4. Replace weatherstripping when dry.

3.5 CLEANING

- A. Clean excess coating materials, and coating materials deposited on surfaces not indicated to receive coatings, as construction activities of this section progress; do not allow to dry.
- B. Re-install hardware, electrical equipment plates, mechanical grilles and louvers, lighting fixture trim, and other items that have been removed to protect from contact with coatings.
- C. Reconnect equipment adjacent to surfaces indicated to receive coatings.
- D. Relocate to original position equipment and fixtures that have been moved to allow application of coatings.
- E. Remove protective materials.

3.6 PROTECTION

- A. Protect completed coating applications from damage by subsequent construction activities.
- B. Repair to Owner's acceptance coatings damaged by subsequent construction activities. Where repairs cannot be made to Owner's acceptance, re-apply finish coating to nearest adjacent change of surface plane, in both horizontal and vertical directions.

3.7 PAINT SCHEDULE

- A. Finish surfaces in accordance with schedule. Catalog names and numbers refer to products as manufactured or distributed by the Behr Paint Company, Santa Ana, California 92705, except as otherwise specified by Architect.
- B. Provide paint finishes of even, uniform color, free from cloudy or mottled appearance. Properly correct non-complying work to satisfaction of Owner's representative and representative of the Behr Paint Company.
- C. Some colors, especially accent colors, may require multiple finish coats for adequate coverage and opacity.
- D. The specified number of primer and finish coats is minimum acceptable. If full coverage and opacity is not obtained with specified number of coats, apply additional coats as necessary to produce required finish.

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3.8 EXTERIOR PAINT SCHEDULE:

A. Exterior Substrates

1. Siding, Paneling, Vertical & Horizontal Trim, Door Trim/Casing, Fascia, Eaves, Soffits, and Handrails.
 - a. Primer: Spot prime as needed - Behr Premium Plus Exterior Primer & Sealer (436)
 - b. Finish: Coat to Cover - Behr Premium Plus Ext Satin (9050)
2. Metal and miscellaneous previously painted metal
 - a. Primer: Spot prime as needed - Behr Premium Plus Multi-Surface Primer & Sealer (436)
 - b. Finish: Coat to Cover - Behr Premium plus Ext Satin (9050)
3. Entry Doors
 - a. Primer: Behr Bonding Primer (432)
 - b. Finish: Two coats - Behr Alkyd Semi-Gloss Enamel (3900)

3.9 COLORS

- A. Colors shall be selected from mock ups and shall consist of a field color, trim color and door color.

END OF SECTION 09911

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SECTION 16520 - LIGHTING

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes exterior lights.

1.2 QUALITY ASSURANCE

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
- B. Comply with IEEE C2, "National Electrical Safety Code."
- C. Comply with NFPA 70.

PART 2 - PRODUCTS

2.1 ACCESSORIES

- A. Materials as necessary to remove and reinstall exterior light fixtures.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Remove and reinstall exterior light fixtures and extend to accommodate new siding dimension.
 - 1. Due to life/safety concerns lighting must be available and functioning at the end of each work day.

END OF SECTION 16521

SECTION 07 21 13

BOARD INSULATION

PART 1 GENERAL

1.1 SUMMARY

- A. Section is for stone fiber board insulation for continuous thermal insulation over existing and new exterior wall and roof assemblies.
- B. Related Sections:
 - 1. Section 07 27 00 – Air Barriers and Water-Resistive Barriers.
 - 2. Section 07 45 00 – Rainscreen System

1.2 REFERENCES

- A. ASTM International:
 - 1. ASTM C165 - [2012], Standard Test Method for Measuring Compressive Properties of Thermal Insulations.
 - 2. ASTM C303 - [2010], Standard Test Method for Dimensions and Density of Preformed Block and Board-Type Thermal Insulation.
 - 3. ASTM C423 – [2009a], Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
 - 4. ASTM C518 - [2015], Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus.
 - 5. ASTM C612 - [2014], Standard Specification for Mineral Fiber Block and Board Thermal Insulation.
 - 6. ASTM C665 - [2012], Standard Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction & Manufactured Housing.
 - 7. ASTM C795 - [2013], Standard Specification for Thermal Insulation for Use in Contact with Austenitic Stainless Steel.
 - 8. ASTM C1104/C1104M - [2013], Standard Test Method for Determining the Water Vapor Sorption of Unfaced Mineral Fiber Insulation.
 - 9. ASTM C1338 - [2014], Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings.
 - 10. ASTM E84 - [2015], Standard Test Method for Surface Burning Characteristics of Building Materials.

11. ASTM E96/E96M - [2016], Standard Test Methods for Water Vapor Transmission of Materials.

1.3 SUBMITTALS

- A. Section 01100 1.11 - Submittal Procedures:
- B. Product Data: Submit data on product characteristics, performance criteria, and limitations.
- C. Installation: Include manufacturer's specifications and installation instructions.

1.4 QUALITY ASSURANCE

- A. Board Insulation Installer Quality Assurance: Work experience of 5 years minimum with work similar to work of this Section.
- B. **Wall and Window Installation Mock-Up: The Contractor will direct the building of a mock-up of the building envelope for the Owner to review with all products and trades included in the exterior wall assemblies. At the mock-up, all products of the each of the exterior wall assemblies (framing and sheathing, windows, rigid insulation, rain screen furring, metal flashing, self-adhering membranes, air/water barriers, cladding materials) will be inspected at various stages of installation. This mock-up wall assembly will be evaluated for constructability and weather-tight qualities and may be tested for weather-tight qualities. Modifications, if any, to the exterior wall assemblies resulting from the mock-up will be discussed, documented by the contractor and incorporated into the work. Contractor may choose one window location for the mockup and may retain the mock up as part of the completed work is approved.**

1.5 DELIVERY, STORAGE AND HANDLING

- A. Delivery and Acceptance Requirements:
 1. Deliver material in accordance with Section 01 60 00 - Product Requirements.
 2. Deliver materials and accessories in insulation manufacturer's original packaging with identification labels intact and in sizes to suit project.
 3. Ensure insulation materials are not exposed to moisture during delivery.
 4. Replace wet or damaged insulation materials.
- B. Storage and Handling Requirements: Store materials off ground in dry location and protected from exposure to harmful weather conditions and at temperature conditions recommended by manufacturer.
 1. Store in original packaging until installed.

1.6 COORDINATION

- A. Section 01 30 00 - Administrative Requirements: Coordination and project conditions.

1.7 WARRANTY

- A. Submit, for Owner's acceptance, manufacturer's standard warranty document executed by authorized company official. Manufacturer's warranty is in addition to and not intended to limit other rights Owner may have under Contract Conditions.

PART 2 PRODUCTS

2.1 BOARD INSULATION

- A. Listed Manufacturer – Mineral Wool: ROXUL, Inc.
- B. Other Manufacturers:
 - 1. Substitutions: Section 01 25 13 – Product Substitution Procedures.

2.2 COMPONENTS

- A. Mineral Wool: COMFORTBOARD 80, rigid, mineral wool insulation board to ASTM C612:
 - 1. Thickness: 1"
 - 2. Fire performance: Non-combustible to ASTM E136.
 - 3. Flame Spread: 0 per ASTM E84
 - 4. Smoke developed: 0 per ASTM E84.
 - 5. Thermal Resistance: R value per 1 inch at 75°F: 4.2 h ft² °F/Btu to ASTM C518.
 - 6. Water Vapor Permeance: 31 perm maximum.
 - 7. Moisture sorption: 0.05% maximum to ASTM C1104/C1104M.
 - 8. Recycled Content: Minimum 40% recycled content post-consumer.
 - 9. Urea-formaldehyde free.
 - 10. Non-setting, non-staining, acoustically tested.
 - 11. Locations: Exterior walls of existing residential building.
- B. Accessories:
 - 1. Mechanical fasteners in accordance with insulation manufacturer's written recommendations.
- C. Product shall meet the requirements of California's practice for testing VOCs from building materials using small chambers, Green Guard for Children and Schools certification can be used as a proxy.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Section 01 30 00 - Administrative Requirements: Coordination and project conditions.
- B. Verify substrate, adjacent materials, and insulation are dry and ready to receive insulation.

3.2 INSTALLATION

- A. General:
 - 1. Install insulation in accordance with manufacturer's written installation instructions.
 - 2. Install insulation to maintain continuity of thermal protection to building elements and spaces.
 - 3. Fit insulation closely around electrical boxes, pipes, ducts, frames and other objects in or penetrating insulation. All voids or gaps should be filled.
 - 4. Keep insulation minimum [3] inches from heat emitting devices such as recessed light fixtures, and minimum [2] inches from sidewalls of chimneys and vents.
- B. Installation of Insulation Board:
 - 1. Install insulation board using mechanical fasteners in accordance with insulation manufacturer's written recommendations.

3.3 WASTE MANAGEMENT

- A. Separate waste in accordance with the Waste Management Plan. Set aside extra materials for reuse by Owner. Materials not required by the Owner should be donated to non-profit organizations (such as Habitat for Humanity or other similar programs) where feasible.
- B. Where possible, give preference to suppliers who take back waste for re-use or recycling.
- C. Determine local options for recycling, collect all remaining unused materials by type and transport to a legitimate recycling facility.
- D. Close and tightly seal all partly used adhesive or sealant containers, and store protected in well-ventilated, fire-safe area at moderate temperature.
- E. Place used sealant tubes and near empty containers in areas designated for hazardous materials.
- F. Collect cut-offs and scraps and place in designated area for recycling.

END OF SECTION

SECTION 07 27 00

WEATHER-RESISTIVE BARRIERS

PART 1 GENERAL

1.1 SUMMARY

- A. Section includes vapor permeable air and water-resistive barriers (WRB) installed as a drainage plane in exterior wall assemblies and associated accessories.
- B. Related Sections:
 - 1. Section 07 21 13 – Board Insulation.
 - 2. Section 07 45 00 – Rainscreen System.

1.2 REFERENCES

- A. ASTM International:
 - 1. ASTM C920 - Standard Specification for Elastomeric Joint Sealants.
 - 2. ASTM C1193; Standard Guide for Use of Joint Sealants.
 - 3. ASTM D882; Test Method for Tensile Properties of Thin Plastic Sheeting.
 - 4. ASTM D1117; Standard Guide for Evaluating Non-woven Fabrics.
 - 5. ASTM E84; Test Method for Surface Burning Characteristics of Building Materials
 - 6. ASTM E96 - Test Methods for Water Vapor Transmission of Materials.
 - 7. ASTM E 1677 - Specification for an Air Barrier (AB) Material or System for Low-Rise Framed Building Walls.
 - 8. ASTM E 2178 - Test Method for Air Permeance of Building Materials.
- B. AATCC – American Association of Textile Chemists and Colorists:
 - 1. Test Method 127 Water Resistance: Hydrostatic Pressure Test.
- C. TAPPI:
 - 1. Test Method T-410; Grams of Paper and Paperboard (Weight per Unit Area).
 - 2. Test Method T-460; Air Resistance (Gurley Hill Method).

1.3 SUBMITTALS

- A. Product Submittals: See 01100 1.11
- B. Product Data: Submit data on material characteristics, performance criteria, and limitations of each component.
- C. Manufacturer's Installation Instructions: Submit preparation, installation requirements and techniques, product storage and handling criteria.
- D. VOC Limits: Include manufacturer's literature for each adhesive, coating and sealant used in this Section identifying VOC limits and chemical components.

1.4 QUALITY ASSURANCE

- A. Qualifications:
 - 1. Installer shall have experience with installation of similar weather barrier assemblies under similar conditions.
 - 2. Installation shall be in accordance with manufacturer's installation guidelines and recommendations.
 - 3. Source Limitations: Provide weather barrier and accessory materials produced by single manufacturer.

1.5 ENVIRONMENTAL REQUIREMENTS

- A. Maintain temperature and humidity recommended by materials manufacturers before, during and after installation.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Deliver weather barrier materials and components in manufacturer's original, unopened, undamaged containers with identification labels intact.
- B. Store weather barrier materials as recommended by system manufacturer.

1.7 SEQUENCING

Sequence Work to permit installation of materials in conjunction with related materials and seals.

1.8 COORDINATION

- A. Coordinate the Work of this section with sections referencing this section.

PART 2 PRODUCTS

2.1 MANUFACTURER AND PRODUCT

- A. Manufacturer, Product:
 - 1. Dupont Tyvek HomeWrap and related assembly components.
 - 2. Substitutions: Section 01 25 13 – Product Substitution Procedures.
- B. Performance Criteria:

1. Air Penetration: <.004 cfm/ft² at 1.57 psf, when tested in accordance with ASTM E2178. Type I per ASTM E1677.
 2. Water Vapor Transmission: Water Vapor Transmission: 56 perms, when tested in accordance with ASTM E96-05, Method A.
 3. Water Penetration Resistance: 250 cm when tested in accordance with AATCC Test Method 127.
 4. Basis Weight: 1.8 oz/yd², when tested in accordance with TAPPI Test Method T-410.
 5. Air Resistance: 1200 seconds, when tested in accordance with TAPPI Test Method T-460.
 6. Tensile Strength: 30/30 lbs/in., when tested in accordance with ASTM D882.
 7. Tear Resistance: 8/6 lbs, when tested in accordance with ASTM D1117.
 8. Surface Burning Characteristics: Class A, when tested in accordance with ASTM E84. Flame Spread: 15, Smoke Developed: 15.
- B. Accessories:
1. Seam Tape: 3 inch wide, DuPont™ Tyvek® Tape as distributed by DuPont Building Innovations.
 2. Fasteners: DuPont™ Tyvek® Wrap Caps, as distributed by DuPont: #4 nails with large 1-inch plastic cap fasteners, or 1-inch plastic cap staples with leg length sufficient to achieve a minimum penetration of 5/8-inch into the wood stud.
 3. Adhesive: provide adhesive recommended by weather barrier manufacturer.
 4. Primer: Provide flashing manufacturer recommended primer to assist in adhesion between substrate and flashing.
- C. Sealant: Dow 758 Silicon Weather Barrier Sealant or as recommended by weather barrier manufacturer.
- D. Flashing

PART 3 EXECUTION

3.1 PREPARATION

- A. Verify installation conditions as satisfactory to receive work of this Section. Do not begin installation until all unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. In general, strictly comply with manufacturer's printed installation instructions. Refer to the drawings for application sequence for products of this Section.
- B. Carefully and accurately lay out, cut, fit and install to detail.
- C. Install products weather-fashion, facilitating the passage of water or moisture toward drainage paths or weep holes as detailed.
- D. Start weather barrier installation at a building corner, leaving 6-12 inches of weather barrier extended beyond corner to overlap.
- E. Install weather barrier in a horizontal manner starting at the lower portion of the wall surface. Maintain weather barrier plumb and level.

- F. Extend bottom roll edge over sill plate interface 2" to 3" minimum. Seal weather barrier with sealant or tape. Shingle weather barrier over back edge of thru-wall flashings and seal weather barrier with sealant or tape. Ensure weeps are not blocked.
- G. Subsequent layers shall overlap lower layers a minimum of 6 inches horizontally in a shingling manner.
- H. Window and Door Openings: Extend weather barrier completely over openings.
- I. Weather Barrier Attachment:
 - 1. Attach weather barrier to studs through exterior sheathing. Secure using weather barrier manufacturer recommended fasteners, spaced 12 -18 inches vertically on center along stud line, and 24 inch on center, maximum horizontally.

3.3 SEAMING

- A. Seal seams of weather barrier with seam tape at all vertical and horizontal overlapping seams.
- B. Seal any tears or cuts as recommended by weather barrier manufacturer.

3.4 OPENING PREPARATION (For Use with Flanged Windows)

- A. Cut weather barrier in an "I-cut" pattern. A modified I-cut is also acceptable.
 - 1. Cut weather barrier horizontally along the bottom and top of the window opening.
 - 2. From the top center of the window opening, cut weather barrier vertically down to the sill.
 - 3. Fold side and bottom weather barrier flaps into window opening and fasten.
- B. Cut a head flap at 45-degree angle in the weather barrier membrane at window head to expose 8 inches of sheathing. Temporarily secure weather barrier membrane flap away from sheathing with tape

3.5 FLASHING

3.6 PROTECTION OF INSTALLED CONSTRUCTION

- A. Protect all installed construction.
- B. Do not permit adjacent work to damage work of this section.

3.5 WASTE MANAGEMENT

- A. Separate waste in accordance with the Waste Management Plan. Set aside extra materials for reuse by Owner. Materials not required by the Owner should be donated to non-profit organizations (such as Habitat for Humanity or other similar programs) where feasible.
- B. Where possible, give preference to suppliers who take back waste for re-use or recycling.
- C. Determine local options for recycling, collect all remaining unused materials by type and transport to a legitimate recycling facility.
- D. Close and tightly seal all partly used adhesive or sealant containers, and store

protected in well-ventilated, fire-safe area at moderate temperature.

- E. Place used sealant tubes and near empty containers in areas designated for hazardous materials.
- F. Collect cut-offs and scraps and place in designated area for recycling.

END OF SECTION

SECTION 07 45 00
RAINSCREEN SYSTEM

PART 1 GENERAL

1.1 SUMMARY

- A. Section includes rainscreen materials and installation, for placement behind exterior siding materials. Includes fasteners and accessory products.
- B. Related Sections:
 - 1. Section 07 21 13 – Board Insulation.
 - 2. Section 07 27 00 – Weather Resistive Barriers.
 - 3. Section 07 62 00 – Sheet Metal Flashing and Trim.

1.2 REFERENCES

- A. American Wood-Preservers' Association:
 - 1. AWPA C1 - All Timber Products - Preservative Treatment by Pressure Process.
 - 2. AWPA C20 - Structural Lumber - Fire-Retardant Treatment by Pressure Processes.
- B. ASTM International:
 - 1. ASTM A153 - Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware.
 - 2. ASTM A653 - Specification for Sheet Steel, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot Dip Process.
 - 3. ASTM E84 - Test Method for Surface Burning Characteristics of Building Materials.
 - 4. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

- 5. ASTM E119 - Standard Test Methods for Fire Tests of Building Construction and Materials.
- C. National Fire Protection Association: NFPA 255 - Standard Method of Test of Surface Burning Characteristics of Building Materials.
- D. National Institute of Standards and Technology: NIST PS 20 - American Softwood Lumber Standard.
- E. National Lumber Grades Authority: NLGA - Standard Grading Rules for Canadian Lumber.
- F. Northeastern Lumber Manufacturers Association: NELMA - Standard Grading Rules for Northeastern Lumber.
- G. The Redwood Inspection Service: RIS - Standard Specifications for Grades of California Redwood Lumber.
- H. Southern Pine Inspection Bureau: SPIB - Standard Grading Rules for Southern Pine Lumber.
- I. Underwriters Laboratories Inc.: UL 723 - Tests for Surface Burning Characteristics of Building Materials.
- J. West Coast Lumber Inspection Bureau: WCLIB - Standard Grading Rules for West Coast Lumber.
- K. Western Wood Products Association: WWPA G-5 - Western Lumber Grading Rules.

1.3 SUBMITTALS

- A. Section 01 33 00 - Submittal Procedures: Submittal procedures.
- B. Product Data: Submit technical data for furring (strapping) materials, fasteners, cavity ventilation products, etc. if different than those specified.
- C. Product Data: Submit technical data for field-applied wood preservative materials, and application instructions.

1.4 QUALITY ASSURANCE

- A. Perform Work in accordance with the following:
 - 1. Lumber Grading Agency: Certified by NIST PS 20.
 - 2. Wood Structural Panel Grading Agency: Certified by EWA - The Engineered Wood Association.
- B. Surface Burning Characteristics: Fire Retardant Treated Materials: Maximum 25/450 flame spread/smoke developed index when tested in accordance with ASTM E84.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Protect materials from exposure to moisture prior to installation.

PART 2 PRODUCTS

2.1 FURRING/STRAPPING MATERIALS

- A. Wood, vertical orientation:
1. Lap and panel siding: 3/4" pressure treated CDX softwood plywood, ripped into 4" wide strips or 1x4 pressure treated softwood lumber without knotholes, checks or cracks (No.1 grade or better). Spacing of furring at maximum 16" centers, aligned with solid wood framing. Larger sizes might be required at specific locations.

2.2 ATTACHMENT TO SUBSTRATE FRAMING

- A. Fasteners for wood furring:
1. For sodium borate treated furring: Hot-dipped galvanized nails or screws (ZMAX with a G185 coating per ASTM A653, or G90 coating per same standard). Also acceptable epoxy coated screws or nails.
 2. For ACQ treated furring: Stainless steel (Types 304 or 316).
 3. Size to achieve embedment listed below. Spacing of fasteners 12" centers.
- B. Fasteners into substrates other than wood framing (CMU, concrete): 1/4" drilled-in raw pins, stainless steel (Types 304 or 316) for ACQ treated furring. Spacing of fasteners 16" centers.
- C. Fastener embedment: 3/4" minimum into solid wood substrate framing, unless otherwise specifically allowed in writing by the manufacturer of the siding material.

2.3 ACCESSORIES

- A. Cavity ventilation:
1. Insect screening, 7/16" thick x continuous length.
 3. Place product at top and bottom of furring cavity as shown on the drawings and further specified below.
- B. WRB, drainage plane, air barrier: refer to Section 07 27 00 - Air Barriers and Water-Resistive Barriers.

2.4 FACTORY WOOD TREATMENT

- A. Wood or Plywood, preferred treatment: Water borne preservative treatment for lumber and plywood in conditions not subject to soil, weather, and/or continuous

water contact to be sodium borate treatment, AWPA C31 for lumber and C9 for plywood.

- B. Alternate treatment: ACQ preservative treatment. Note that stainless steel fasteners (Types 304 or 316) would be required if this method is selected.
- C. Moisture Content After Treatment: Kiln dried (KDAT).
 - 1. Lumber: Maximum 19 percent.
 - 2. Structural Panels: Maximum 15 percent.

PART 3 EXECUTION

3.1 PREPARATION

- A. Verify adequacy of backing/blocking and support framing.
- B. Locate and mark solid wood framing (studs) behind sheathing materials so that furring members can be fastened directly to solid framing.

3.2 FURRING/STRAPPING INSTALLATION

- A. Set furring members level if horizontal orientation, and plumb if vertical orientation, in correct position for subsequent attachment of siding materials.
- B. Locate and install vertical furring directly over framing members, or as otherwise noted on the drawings. Note that at certain locations the drawings may indicate that additional furring is placed between the standard spacings.
- C. Fasteners shall penetrate solid wood framing, unless otherwise indicated on the drawings or as otherwise allowed by the siding manufacturer and approved by the Architect. Owner may employ a Special Inspector to confirm that fasteners are driven only into solid wood framing.
- D. Gap furring members at floor lines and at thru-wall flashings. Refer to details on the drawings.
- E. For metal hat channel furring applications, where the furring is oriented horizontally, shim each fastener with a 1/8" minimum thick horseshoe plastic shim. Place the shim directly behind the fastener to enable water drainage behind the hat channel. Under each shim place a 3x3 inch square of self-adhering membrane (SAM) to preserve the air barrier at the fastener penetration. Drive fastener tight so that shim is held in place.

3.3 VENTILATION AND SCREENING

- A. Install vent product at the top and bottom of each cavity. Install in long lengths and in continuous fashion without gaps.
- B. Fasten with galvanized roofing nails with penetration into solid framing or plywood sheathing. Drive fasteners such that product is not dented or deformed.
- C. Install with insect screening facing toward the ventilation cavity (facing down at the top of the cavity and facing up at the bottom of the cavity) according to the manufacturer's instructions.

3.4 SITE APPLIED WOOD TREATMENT

- A. Site-apply preservative treatment to cut ends of boards, or cut edges of plywood, only if the factory preservative treatment does not penetrate fully into the stock.
- B. Brush-apply two coats of preservative treatment on wood or plywood edges after site cutting.
- C. Allow preservative to dry prior to installing members.

3.5 QUALITY ASSURANCE

- A. Moisture Content: take moisture readings of lumber and/or plywood furring prior to installation.

3.6 TOLERANCES

- A. Furring members: 1/4" from indicated position, maximum.

3.7 WASTE MANAGEMENT

- A. Separate waste in accordance with the Waste Management Plan. Set aside extra materials for reuse by Owner. Materials not required by the Owner should be donated to non-profit organizations (such as Habitat for Humanity or other similar programs) where feasible.
- B. Where possible, give preference to suppliers who take back waste for re-use or recycling.
- C. Determine local options for recycling, collect all remaining unused materials by type and transport to a legitimate recycling facility.
- D. Close and tightly seal all partly used adhesive or sealant containers, and store protected in well-ventilated, fire-safe area at moderate temperature.
- E. Place used sealant tubes and near empty containers in areas designated for hazardous materials.
- F. Collect cut-offs and scraps and place in designated area for recycling.

END OF SECTION

AREA OF WORK  Building H



DEMOLITION
TRIM BOARDS
WINDOWS
EXTERIOR DOORS AND TRIM
DOOR OPENING TRIM
SHUTTERS

REMOVE AND REINSTALL
LIGHT FIXTURES
DOOR HARDWARE
IRRIGATION CONTROLS
MAILBOXES
DOWNSPOUTS

PROVIDE
CEMENT BOARD LAP SIDING
WINDOWS
WINDOW TRIM
CORNERBOARDS
ENTRY DOORS AND TRIM
TRIM/BLOCKING FOR LIGHTS, HOSEBIBS, VENTS,
METERS, CABLE BOXES, ETC
LEVER HANDLE AT PUMP ROOM DOOR
EXTERIOR PAINT TO ALL SURFACES
GUTTERS AND DOWNSPOUTS

INDEX TO DRAWINGS
A1 SITE PLAN AND GENERAL NOTES
A2 PLAN
A3 ELEVATIONS
A4 ELEVATIONS
A5 DETAILS
A6 DETAILS

FOR REFERENCE ONLY

BELLEPARK EAST APARTMENTS
16241 NE 13TH PLACE, BELLEVUE, WA 98008
SIDING AND WINDOW REPLACEMENT

Date:
Revisions:
OCT 16, 2019

Drawn:
**HUGH
WATKINSON**

A1 SITE PLAN
AND GENERAL
NOTES



1 SECOND FLOOR PLAN



2 FIRST FLOOR PLAN

BELLEPARK EAST APARTMENTS
16241 NE 13TH PLACE, BELLEVUE, WA 98008
SIDING AND WINDOW REPLACEMENT

Date:

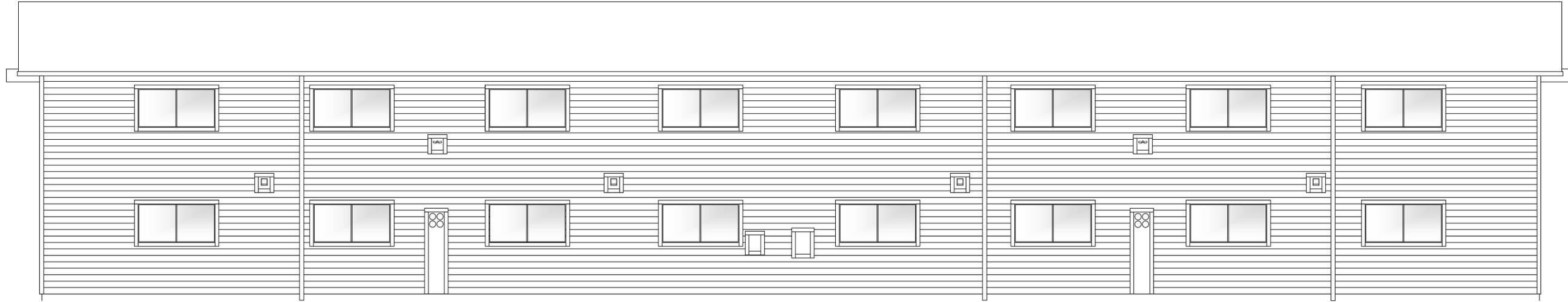
Revisions:

OCT 16, 2019

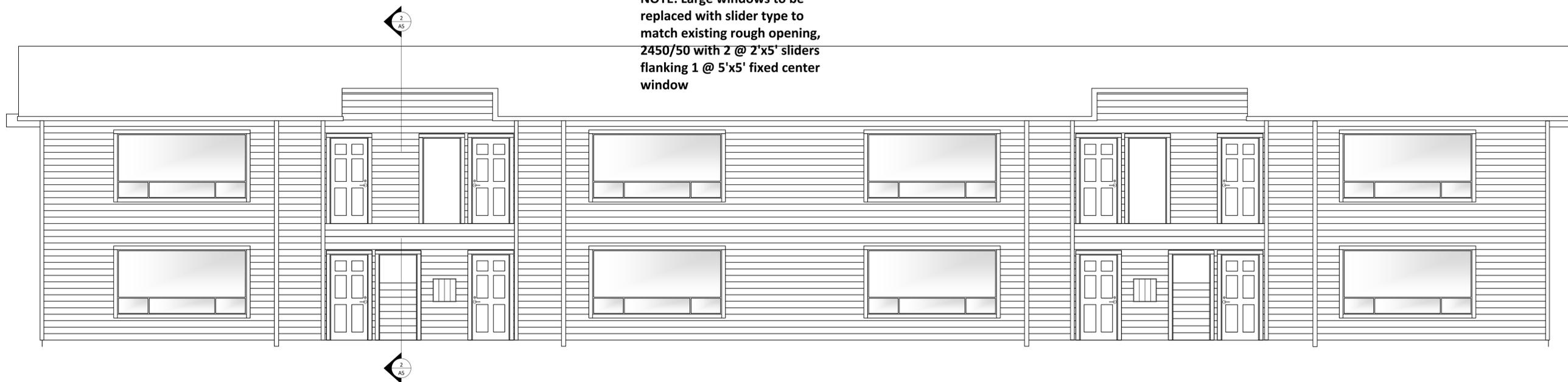
Drawn:

**HUGH
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A2 PLAN



1 NORTH ELEVATION



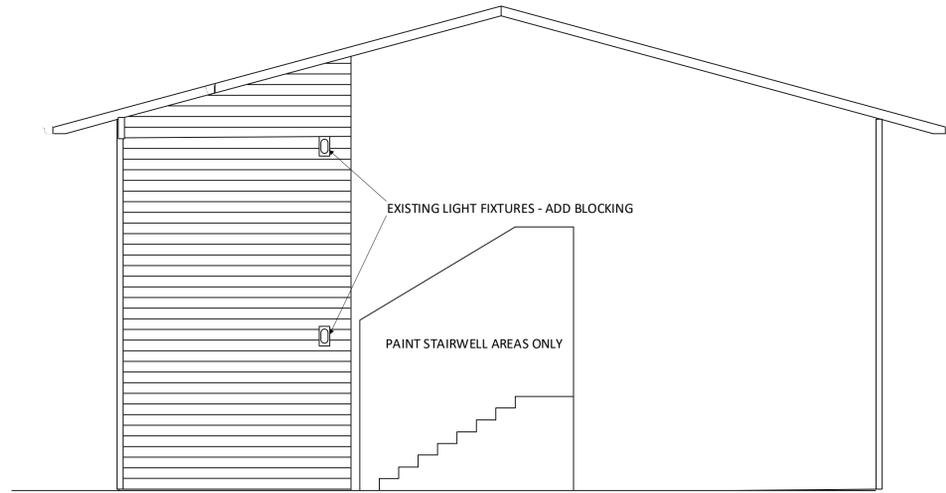
2 SOUTH ELEVATION

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SIDING AND WINDOW REPLACEMENT

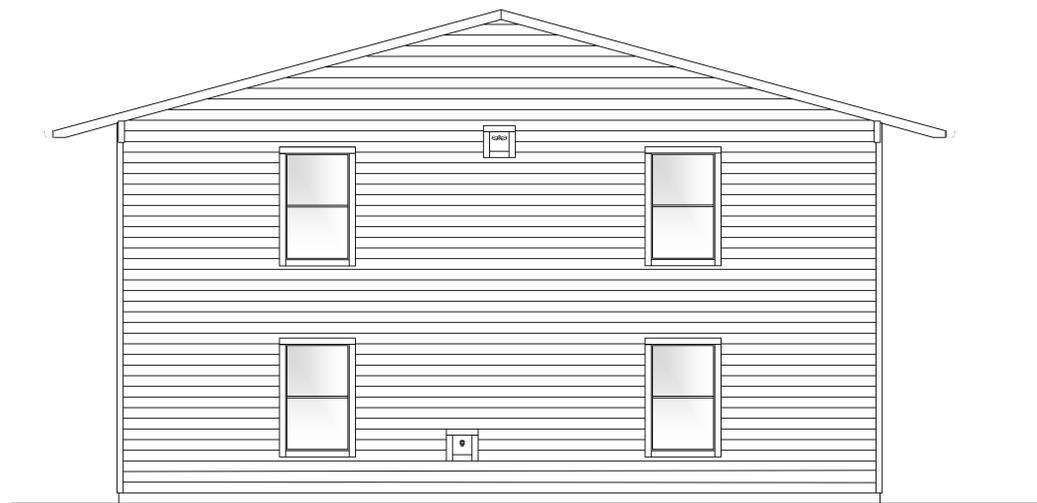
Date:
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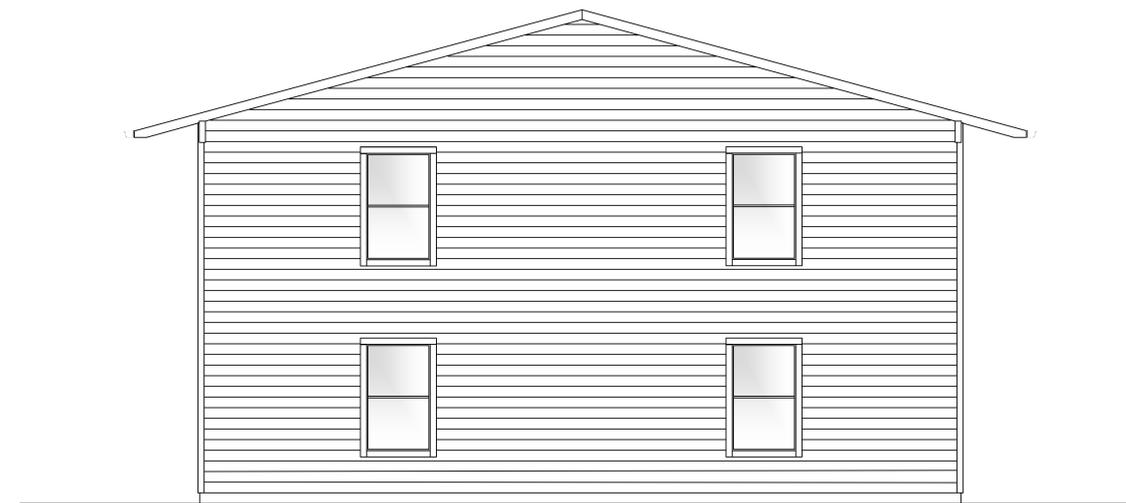
A3 ELEVATIONS



1 SECTION FROM A3 – 2 TYP.



2 WEST ELEVATION



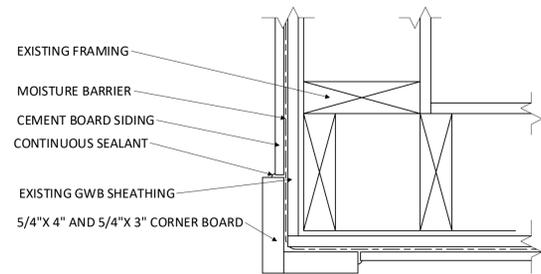
2 EAST ELEVATION

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 16241 NE 13TH PLACE, BELLEVUE, WA 98008
SIDING AND WINDOW REPLACEMENT

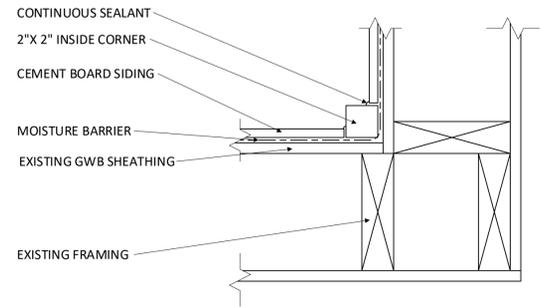
Date:
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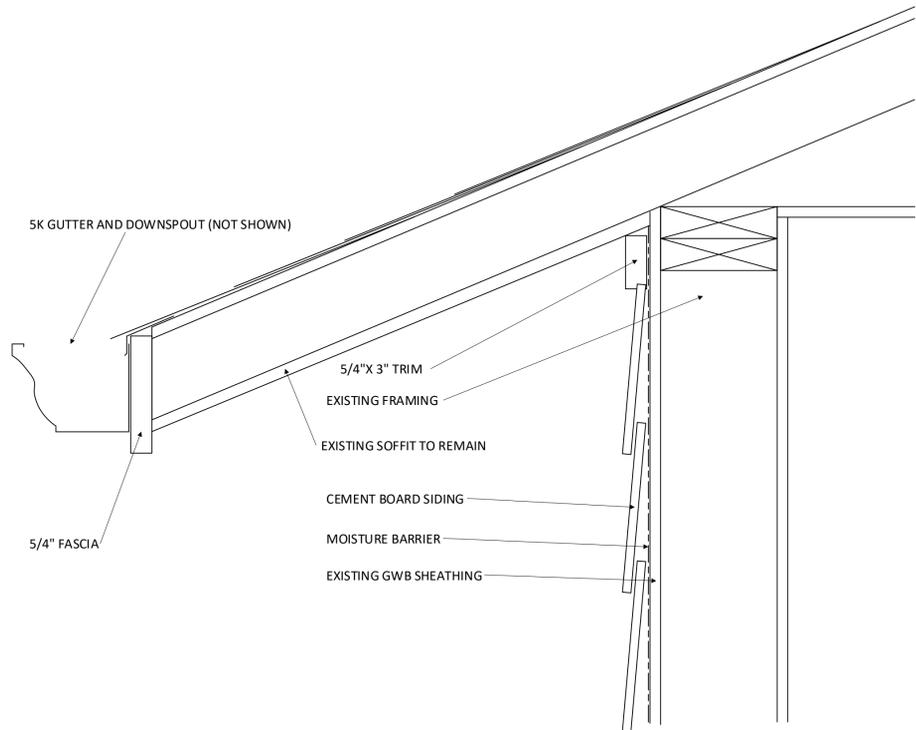
A4 ELEVATIONS



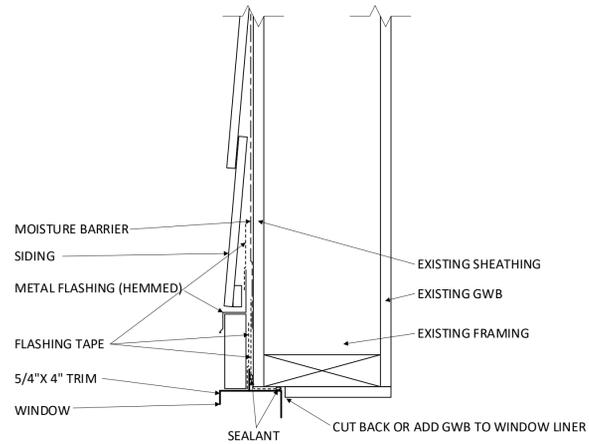
1 TYPICAL OUTSIDE CORNER



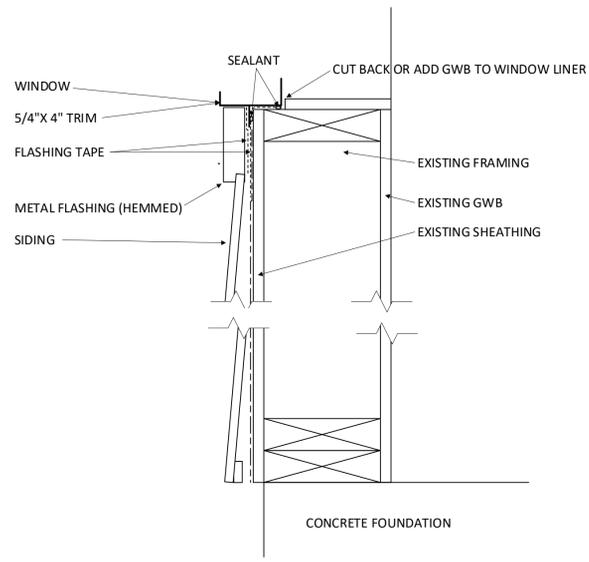
2 TYPICAL INSIDE CORNER



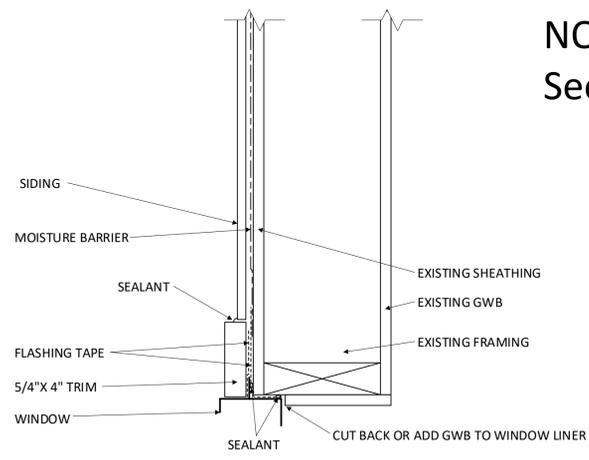
3 TYPICAL EAVES AND SOFFIT DETAIL



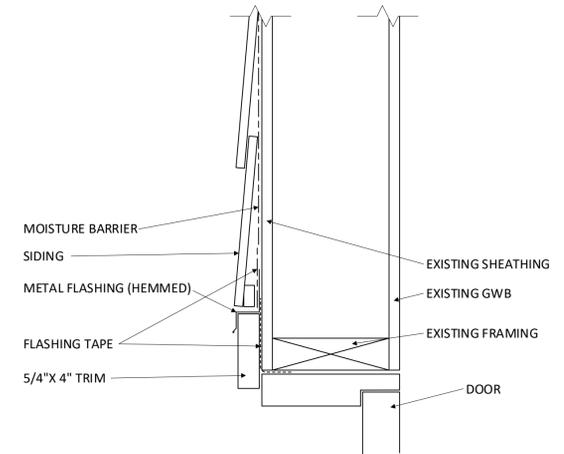
4 TYPICAL WINDOW HEADER



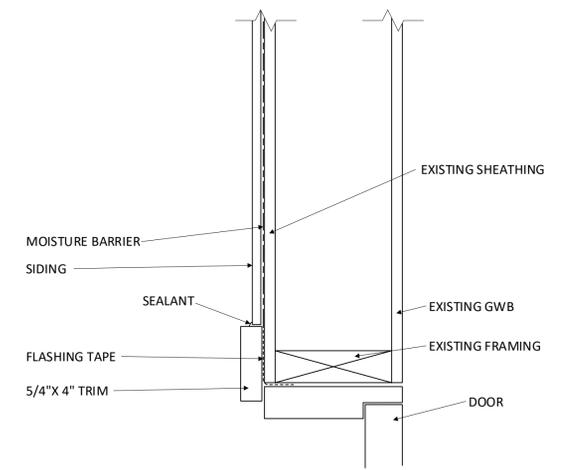
5 WINDOW SILL AND WALL BASE



6 TYPICAL WINDOW JAMB



7 TYPICAL DOOR HEADER



8 TYPICAL DOOR JAMB

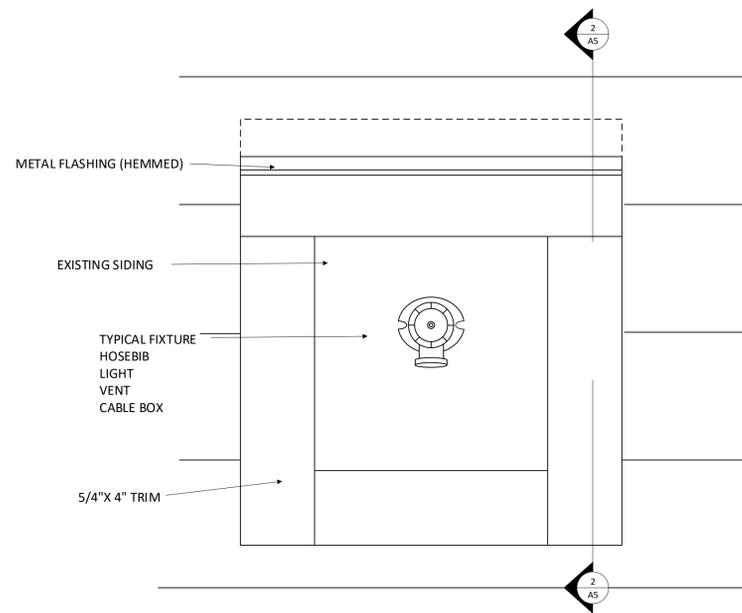
NOTE: Rain Screen Details not shown but are required.
See 07 21 13, 07 27 00, 07 45 00 for details.

BELLEPARK EAST APARTMENTS
16241 NE 13TH PLACE, BELLEVUE, WA 98008
SIDING AND WINDOW REPLACEMENT

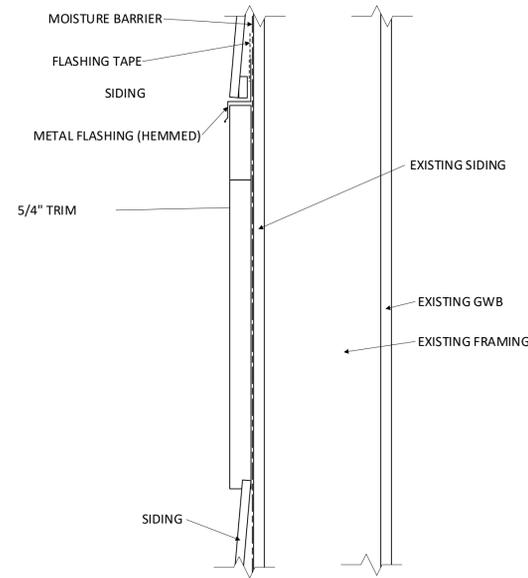
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A5 DETAILS

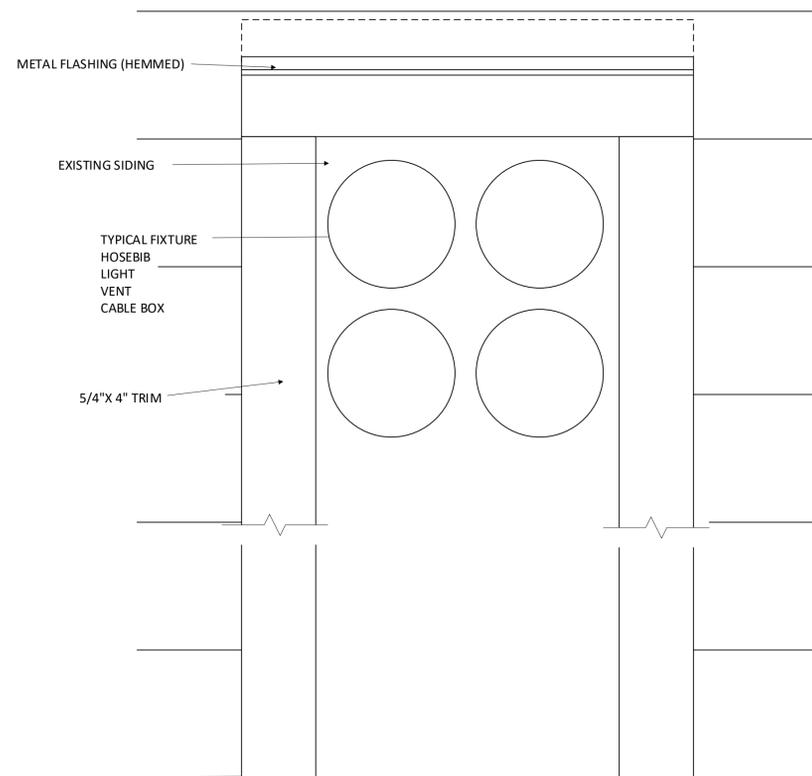


1 TYPICAL DETAIL FOR HOSEBIB, LIGHT FIXTURE, VENT TERMINATION, CABLE BOXES, ETC.

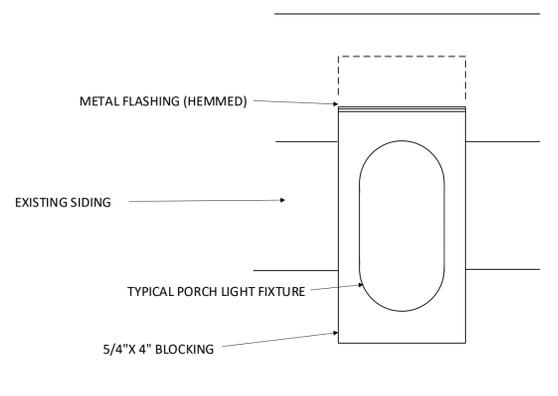


2 SECTION FROM A6-2

NOTE: Rain Screen Details not shown but are required. See 07 21 13, 07 27 00, 07 45 00 for details.



3 TYPICAL DETAIL FOR METERS, ETC.



4 TYPICAL DETAIL FOR PORCH LIGHT FIXTURE

BELLEPARK EAST APARTMENTS
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SIDING AND WINDOW REPLACEMENT

Date:
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A6 DETAILS

INSTRUCTIONS TO BIDDERS

1.0 BIDDER RESPONSIBILITY CRITERIA

- A. It is the intent of Owner to award a contract to a responsible bidder submitting the lowest responsive bid. Before award, the bidder must meet the following bidder responsibility criteria to be considered a responsible bidder. The bidder may be required by the Owner to submit documentation demonstrating compliance with the criteria. The bidder must:
1. Have a current certificate of registration as a contractor in compliance with chapter 18.27 RCW, which must have been in effect at the time of bid submittal;
 2. Have a current Washington Unified Business Identifier (UBI) number;
 3. If applicable, have industrial insurance coverage for the bidder's employees working in Washington as required in Title 51 RCW; an employment security department number as required in Title 50 RCW; and a state excise tax registration number as required in Title 82 RCW;
 4. Not be disqualified from bidding on any public works contract under RCW 39.06.010 or 39.12.065(3);
 5. Have received training on the requirements related to public works and prevailing wage under chapter 39.04.350 RCW and chapter 39.12 RCW or be listed as exempt by the department of labor and industries on its website; and
 6. Within the three-year period immediately preceding the date of the bid solicitation, not have been determined by a final and binding citation and notice of assessment issued by the department of labor and industries or through a civil judgment entered by a court of limited or general jurisdiction to have willfully violated, as defined in RCW 49.48.082, any provision of chapter 49.46, 49.48, or 49.52 RCW;
 7. Before award of a public works contract, a bidder shall submit to the contracting agency a signed statement in accordance with RCW 9A.72.085 verifying under penalty of perjury that the bidder is in compliance with the responsible bidder criteria requirement of subsection A, 6 of this section.

1.1 SUBCONTRACTOR RESPONSIBILITY

- A. The Contractor shall include the language of this section in each of its first tier subcontracts, and shall require each of its subcontractors to include the same language of this section in each of their subcontracts, adjusting only as necessary the terms used for the contracting parties. Upon request of the Owner, the Contractor shall promptly provide documentation to the Owner demonstrating that the subcontractor meets the subcontractor responsibility criteria below. The requirements of this section apply to all subcontractors regardless of tier.
- B. At the time of subcontract execution, the Contractor shall verify that each of its first tier subcontractors meets the following bidder responsibility criteria:
1. Have a current certificate of registration in compliance with chapter 18.27 RCW, which must have been in effect at the time of subcontract bid submittal;
 2. Have a current Washington Unified Business Identifier (UBI) number;
 3. If applicable, have:
 - a. Have Industrial Insurance (workers' compensation) coverage for the subcontractor's employees working in Washington, as required in Title 51 RCW;
 - b. A Washington Employment Security Department number, as required in Title 50 RCW;

INSTRUCTIONS TO BIDDERS

- c. A Washington Department of Revenue state excise tax registration number, as required in Title 82 RCW;
 - d. An electrical contractor license, if required by Chapter 19.28 RCW;
 - e. An elevator contractor license, if required by Chapter 70.87 RCW.
4. Not be disqualified from bidding on any public works contract under RCW 39.06.010 or 39.12.065 (3);
 5. Have received training on the requirements related to public works and prevailing wage under chapter 39.04.350 RCW and chapter 39.12 RCW or be listed as exempt by the department of labor and industries on its website; and
 6. Within the three-year period immediately preceding the date of the bid solicitation, not have been determined by a final and binding citation and notice of assessment issued by the department of labor and industries or through a civil judgment entered by a court of limited or general jurisdiction to have willfully violated, as defined in RCW 49.48.082, any provision of chapter 49.46, 49.48, or 49.52 RCW.

1.2 SUPPLEMENTAL BIDDER RESPONSIBILITY CRITERIA

- A. RCW 39.04.350(2) specifically authorizes municipalities to adopt relevant supplement criteria for determining bidder responsibility applicable to a particular project which the bidder must meet.
- B. For the work in this project a responsible/qualified Bidder must meet the following standards:
 1. Have a current certificate of registration as a contractor, in compliance with chapter 18.27 RCW, for the last three years under the same business name;
 2. Have a good record of past performance that includes, but is not limited to, high quality work, ability to complete projects on time, contractor's integrity, compliance with public policy, financial, contractual and tax obligations, as well as Federal and State rules and regulations in performing construction contracts.
 3. Have a current Experience Modification Rate (EMR) of 1.0 or less, or an average EMR rate of 1.0 or less over the last three years. The requirement may, at the Owner's sole discretion, be waived on review of a written explanation that includes details of accidents, L&I records, a Loss Ratio Report for the last five years, costs, dates of events, and changes that have been made by the contractor to reduce accidents. A current company Safety Plan shall also be reviewed.
 4. Bidder shall provide evidence of previous successful completion of siding and window replacement projects, of similar scope and complexity. Poor performance, lack of response, or failure to complete projects successfully within the contract time may be grounds for the rejection of bidder.
- C. Subcontractors shall have had three years minimum experience licensed in Washington State under the same business name in the specific specialty contracting business.

1.3 PREPARATION OF BIDS – CONSTRUCTION

- A. Bids must be submitted on the Bid Form furnished by the Owner.
- B. All fields and questions on required forms must be fully answered and complete. Failure to do so may result in the bid being declared non-responsive.

INSTRUCTIONS TO BIDDERS

- C. Bidders shall acknowledge receipt of all addenda to this solicitation by inserting the addenda numbers in the space provided on the Bid Form. Failure to do so may result in the bid being declared non-responsive.
 - 1. Bidder is responsible for checking KCHA's website for addenda prior to submitting bid.
- D. In order for a bid to be considered responsive, bidders must submit the following signed documents with their bid package:
 - 1. Bid Form
 - 2. Bidder's Information Form
 - 3. Bid Guarantee
- E. The Bidder agrees to hold the base bid prices for sixty (60) days from date of bid opening.

1.4 ~~BID GUARANTEE~~

- ~~A. A bid guarantee in the amount of 5% of the base bid amount is required. Failure of the bidder to provide bid guarantee shall render the bid non-responsive.~~
- ~~B. Acceptable forms of bid guarantee are: A bid bond or postal money order, or certified check or cashier's check made payable to King County Housing Authority.~~
- ~~C. The Owner will return bid guarantees (other than bid bonds) to unsuccessful bidders as soon as practicable, but not sooner than the execution of a contract with the successful bidder. The successful bidder's bid guarantee will be returned to the successful bidder with its official notice to proceed with the work of the contract.~~

1.5 AMENDMENTS TO INVITATION TO BID

- A. If this solicitation is amended, then all terms and conditions which are not modified remain unchanged.
- B. Bidders shall acknowledge receipt of all addenda to this solicitation by inserting the addenda numbers in the space provided on the Bid Form. Failure to do so may result in the bid being declared non-responsive.
 - 1. Bidder is responsible for checking KCHA's website for addenda prior to submitting bid.
 - 2. Addenda will not be issued later than three (3) calendar days before the deadline for receipt of Bids except Addendum withdrawing the request for Bids or extending the deadline for receipt of Bids.

1.6 PRE-BID MEETING

- A. All potential bidders are strongly encouraged to attend. Oral statements may not be relied upon and will not be binding or legally effective.

1.7 EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE

INSTRUCTIONS TO BIDDERS

- A. Before submitting a bid, the Bidder shall carefully examine each component of the Contract Documents prepared for the Work and any other available supporting data so as to be thoroughly familiar with all the requirements.
- B. The Bidder shall obtain copies of all agencies and associations guidelines and standards cited in the Contract Documents and necessary to perform the Work, including full size reproductions of material provided by Owner, at their own expense.
- C. The Bidder shall make a thorough and reasonable examination of the project site, facility and conditions under which the Work is to be performed, including but not limited to: Building access; resident occupancy; fire lanes; landscaping; obstacles and character of materials which may be encountered; traffic conditions; public and private utilities; the availability and cost of labor; and available facilities for transportation, handling, and storage of materials and equipment.

1.8 EXPLANATION TO PROSPECTIVE BIDDERS

- A. Any prospective bidder desiring an explanation or interpretation of the solicitation, drawings, specifications, etc., must submit a request in writing to the Owner seven (7) calendar days before the bid due date. Oral explanations or instructions given before the award of a contract will not be binding. Questions shall be submitted to:

Michelle Jackson
King County Housing Authority
600 Andover Park W
Seattle, WA 98188
Email: MichelleJ@kcha.org

1.9 PREVAILING WAGES

- A. Contractor shall pay no less than the Washington State Department of Labor and Industries (L&I) prevailing rate of wages to all workers, laborers, or mechanics employed in the performance of any part of the Work in accordance with RCW 39.12 and the rules and regulations of L&I. The schedule of prevailing wage rates for the locality or localities of the Work is determined by the Industrial Statistician of L&I. It is the Contractor's responsibility to verify the applicable prevailing wage rate.
 - 1. L&I prevailing wage rates may be found at <https://fortress.wa.gov/lni/wagelookup/prvWagelookup.aspx>
 - 2. The Owner has determined that the work meets the definition of residential construction.
 - 3. The prevailing wage rates publication date is determined by the bid due date.
 - 4. The work is to be performed in King County.
 - 5. A copy of the prevailing wage rates is available at KCHA.
 - 6. A copy of the prevailing wage rates may be mailed on request.

1.10 TAXES

- A. All taxes imposed by law shall be included in the bid amount. The Contractor shall pay the WSST to the Department of Revenue and shall furnish proof of payment to the Owner if requested.

INSTRUCTIONS TO BIDDERS

- B. The retail sales tax does not apply to the gross contract price.
- C. Prime and subcontractors are required to pay retail sales tax upon all purchases of materials, including prefabricated and precast items, equipment, leases or rentals of tools, consumables, and other tangible personal property which is installed, applied, attached, or otherwise incorporated in their work.

1.11 ASSURANCE OF COMPLETION

- A. Payment and performance bonds for 100% of the Contract Sum, including all Change Orders and taxes imposed by law, shall be furnished for the Work, and shall be in a form acceptable to the Owner.

1.12 BID ERROR

- A. In the event Bidder discovers an error in its bid, the Bidder may, under certain conditions and if before the date and time that bids are due, modify, their bid, as detailed below:

1. Prior to Date and Time Bids are Due:

- a. A Bidder may withdraw its bid at any time prior to the date and time bids are due upon written request.
- b. After withdrawing an original submitted bid, a Bidder may modify and resubmit its bid at any time prior to the date and time bids are due.

2. After the Date and Time Bids are Due:

- a. A bidder who submits an erroneous low bid may withdraw the bid. The bid withdrawal is permissible if there was an obvious error in the low bid, and the mistake is readily apparent from the bid itself.
- b. Notification: Provide to the Owner, within 24 hours of bid opening, written notification of the bidder's intent to withdraw the bid due to error.
- c. Documentation: Provide to the Owner within 48 hours of bid opening, documentation sufficient in content to justify bid withdrawal to the satisfaction of the Owner. Include description and evidence of the error.
- d. Approval: the Owner will approve or reject the request for withdrawal in writing.
- e. Any low bidder who withdraws its bid is prohibited from bidding on the same project if it is subsequently re-solicited.

1.13 ADDITIVE OR DEDUCTIVE BID ITEMS

- A. The low bid, for purposes of award, shall be the lowest responsive bid from a qualified responsible bidder offering the low aggregate amount for the base bid, plus additive or deductive bid alternates selected by the Owner.

1.14 BID EVALUATION

- A. Responsive Bids: A bid will be considered responsive if it meets the conditions of the solicitation, in addition to but not limited to the following requirements:

INSTRUCTIONS TO BIDDERS

1. Bid is received not later than the time and date specified.
 2. Bid is submitted in the proper format on the form(s) provided.
 3. Bid includes the complete scope of work as defined in bid package.
 4. Bid does not include any exclusions or qualifications.
 5. Bid includes Unit and Lump Sum Costs as listed in Proposal Form.
 6. Forms are complete.
- B. After bid opening, bids will be checked for correctness of bid item prices, extensions and the total bid price. Discrepancies shall be resolved by accepting the bid item prices and the corrected extensions and total bid price.
- C. Responsible Bidders: the Owner will award contracts only to responsible bidders who demonstrate the ability to successfully perform under the terms and conditions as set forth in the Contract Documents and have successfully completed projects similar in scope and complexity.
1. Bidders must demonstrate relevant experience on similar types of projects and submit detailed information as required on the Bidder Information Form.
- D. The Owner reserves the right to contact references and investigate past performance and qualifications of the Bidder, subcontractor, and project team members, including contacting third parties and/or the references provided by the Bidder.
1. The Owner may contact references for other projects including those the Bidder did not identify and/or provided references.
 2. References may be asked to rate the performance of and describe their experience with project team members and subcontractors. Bidder Information may be solicited and evaluated on the following subjects: type and features of work; overall quality of project performance and quality of work; experience and technical knowledge and competence of the Bidder and Project Team Members; ability, capacity and skill to perform the Work; ability to manage submittals, requests for information, prevailing wage filings, and other paperwork; compliance with laws, ordinances, and contract provisions; and other information as deemed necessary.
 3. Poor reference(s) may be justification to determine a Bidder is not responsible.
- E. At the Owner's request, provide any additional explanation or information, which would assist in evaluating the qualifications of the Bidder, subcontractors, project team members, and bid price.
- F. The Owner will verify information submitted and if the lowest bidder is determined to be “not responsible,” the Owner will issue, in writing, the specific reasons for this determination. The bidder may appeal this decision. The appeal must be in writing and shall be delivered to the Owner within two business days. The appeal may include additional information that was not included in the original bid documents. KCHA will make a final determination after the receipt of the appeal. The final determination may not be appealed.

1.15 CONTRACT AWARD

- A. Bonding and Insurance: Contract award will be contingent on ability to secure payment/performance bonding, and Contractor’s ability to meet the Owner insurance requirements as detailed in the Bid Documents.

INSTRUCTIONS TO BIDDERS

- B. Bonding, insurance and an approved Statement of Intent to Pay Prevailing Wages shall be submitted to the Owner within 14 days of contract award. A Notice to Proceed shall be issued immediately after receipt.
- C. Right to Reject Bids/Waiver: The Owner reserves the right to reject any or all bids or to waive any informalities or irregularities in the bidding.
- D. Retainage Funds: The Owner will not pay interest to the Contractor for accounts where retainage funds are maintained by the Owner. As part of the procurement by which the Contractor was selected for this work, the Contractor agrees to waive any other options and has made allowances for this waiver.

GENERAL CONDITIONS

PART 1 - GENERAL PROVISIONS

1.1 DEFINITIONS

- A. "Authority Having Jurisdiction (AHJ)": A federal, state, local, or other regional department, or an individual such as a fire official, labor department, health department, building official, or other individual having statutory authority.
- B. "Contract Documents" means the Instructions to Bidders, Specifications, Plans, General Conditions, Prevailing Wage Rates, Bid Form, Contract Form, other Special Forms, Drawings and Specifications, and all Addenda and modifications thereof.
- C. "Contract Sum" is the total amount payable by Owner to Contractor for performance of the Work in accordance with the Contract Documents.
- D. "Contract Time" is the number of consecutive Days allotted in the Contract Documents for achieving completion of the Work.
- E. "Contracting Officer" means the person delegated the authority by King County Housing Authority to enter into, and/or terminate this Contract. The term includes any successor Contracting Officer and any duly authorized representative of the Contracting Officer.
- F. "Contractor" means the person or other entity entering into the Contract with King County Housing Authority to perform all of the services or work required under the Contract.
- G. "Day" means calendar day, unless otherwise specified.
- H. "Final Acceptance" means the acceptance by Owner that the Contractor has completed the requirements of the Contract Documents.
- I. "Force Majeure" means those acts entitling Contractor to request an equitable adjustment in the Contract Time, including, but not limited to, unusually severe weather conditions which could not have been reasonably anticipated.
- J. "Furnish": Supply and deliver to Project site, ready for unloading, unpacking, assembly, installation, and similar operations.
- K. "Install": Operations at Project site including unloading, temporarily storing, unpacking, assembling, erecting, placing, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning, and similar operations.
- L. "Liquidated Damages" means the amount prescribed in the Contract Documents to be deducted from any payments due or to become due Contractor, for each day's delay in completion of the Work beyond the time allowed in the Contract Documents as stated in the Notice to Proceed, plus any extensions of such time.
- M. "Manager" means the person who is an authorized agent of the King County Housing Authority to administer the Contract.
- N. "Notice to Proceed" means a notice from Owner to Contractor that defines the date on which the Contract Time begins to run.
- O. "Owner" means the King County Housing Authority or its authorized representative with the authority to enter into, administer, and/or terminate the Work in accordance with the Contract Documents and make related determinations and findings.
- P. "Property Manager" means the property management company, its officers and employees.
- Q. "Provide": Furnish and install, complete and ready for the intended use.

GENERAL CONDITIONS

R. "Subcontract" means any contract, purchase order, or other purchase agreement, including modifications and change orders to the foregoing, entered into by a Subcontractor to furnish supplies, materials, equipment, and services for the performance of the prime Contract or a subcontract.

S. "Subcontractor" means any supplier, vendor, or firm that furnishes supplies, materials, equipment, or services to or for the Contractor or another Subcontractor.

"Work" means the construction and services required by the Contract Documents, and includes, but is not limited to, labor, materials, supplies, equipment, services, permits, and the manufacture and fabrication of components, performed, furnished, or provided in accordance with the Contract Documents.

1.2 EXECUTION AND INTENT

A. The intent of the Specifications and Drawings is to describe a complete Project to be constructed in accordance with the Contract Documents. Contractor shall furnish all labor, materials, equipment, tools, transportation, permits, and supplies, and perform the Work required in accordance with the Contract Documents.

B. All work is to be executed in accordance with the Building Codes, as adopted by the Authority Having Jurisdiction, and other applicable codes and generally accepted industry standards. All products and materials are to be new and handled and applied in accordance with the manufacturer's recommendations.

C. Contractor makes the following representations to Owner:

1. The Contract Sum is reasonable compensation for the Work and the Contract Time is adequate for the performance of the Work, as represented by the Contract Documents;
2. Contractor has carefully reviewed the Contract Documents, had an opportunity to visit and examine the Project site, has become familiar with the local conditions in which the Work is to be performed, and has satisfied itself as to the nature, location, character, quality and quantity of the Work, the labor, materials, equipment, goods, supplies, work, permits, services and other items to be furnished and all other requirements of the Contract Documents, as well as the surface and subsurface conditions and other matters that may be encountered at the Project site or affect performance of the Work or the cost or difficulty thereof.

D. The Contract Documents are complementary. What is required by one part of the Contract Documents shall be binding as if required by all. Anything mentioned in the Specifications and not shown on the Drawings, or shown on the Drawings and not mentioned in the Specifications, shall be of like effect as if shown or mentioned in both.

PART 2 - INSURANCE AND BONDS

2.1 INSURANCE REQUIREMENTS FOR BUILDING TRADES CONTRACTORS

A. Contractor shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property that may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees or Subcontractors.

2.2 MINIMUM SCOPE OF INSURANCE

A. Contractors shall maintain coverages no less than:

1. Insurance Services Office Commercial General Liability coverage including Products/Completed Operations.
2. Insurance Services Office covering Automobile Liability, code 1 (any auto).
3. Workers' Compensation insurance as required by State law and Employer's Liability Insurance.

GENERAL CONDITIONS

2.3 MINIMUM LIMITS OF INSURANCE

A. Contractor shall maintain limits no less than:

1. General Liability: \$1,000,000 per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit of \$2,000,000.
2. Automobile Liability: \$1,000,000 per accident for bodily injury and property damage.
3. Employer's Liability: \$1,000,000 per accident for bodily injury/sickness or disease.

2.4 DEDUCTIBLES AND SELF INSURED RETENTION

- ### A.
- Any deductibles or self-insured retentions must be declared to and approved by the Owner. At the option of the Owner, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the Owner, its officers, officials, employees and volunteers; or the Contractor shall provide a financial guarantee satisfactory to the Owner guaranteeing payment of losses and related investigations, claim administration and defense expenses. **NOTE: If this contract deals with hazardous materials or activities (i.e. lead based paint, asbestos, armed security guards) additional provisions covering those exposures must be included in order to protect the Owner's interests.**

2.5 OTHER INSURANCE PROVISIONS

A. The policies are to contain, or be endorsed to contain, the following provisions:

1. The Owner, the Property Manager, its officers, officials, employees, partners, agents and volunteers are to be covered as additional insureds under a "completed operations" type of additional insured endorsement with respect to general liability arising out of work or operations performed by or on behalf of the Contractor including materials, parts or equipment furnished in connection with such work or operations. The endorsement(s) effectuating the foregoing additional insured coverage shall be ISO form CG 20 10 11 85, or CG 20 10 10 01 issued concurrently with CG 20 37 10 01, or their equivalent as long as it provides additional insured coverage, without limitation, for completed operations; (ii) automobile liability arising out of vehicles owned, leased, hired, or borrowed by or on behalf of the Contractor; (iii) any insurance written on a claims made basis, shall have a retroactive date that coincides with, or precede, the commencement of any work under this contract. Evidence of such coverage shall be maintained for a minimum of six (6) years beyond the expiration of the project.
2. King County will not accept Certificates of Insurance Alone. Improperly Completed Endorsements will be returned to your insured for correction by an authorized representative of the insurance company.
3. For any claims related to this project, the Contractor's insurance coverage shall be primary insurance as respects the Owner, its officers, officials, agents, partners, employees, and volunteers. Any insurance or self-insurance maintained or expired by the Owner, its officers, officials, agents, partners, employees, volunteers, or shall be excess of the Contractor's insurance and shall not contribute with it. King County Housing Authority's Insurance is Non-Contributory in Claims Settlement Funding.
4. The "General description of agreement(s) and/or activity(s) insured" shall include reference to the activity and/or to either specific King County Housing Authority's; project of site name, contract number, lease number, permit number or construction approval number.
5. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be canceled or materially changed, except after thirty (30) days' [ten (10) days for non-payment of premium] prior written notice by certified mail, return receipt requested, has been given to the Owner.
6. Maintenance of the proper insurance for the duration of the contract is a material element of the contract. Material changes in the required coverage or cancellation of the coverage shall constitute a material breach of the contract.

2.6 ACCEPTABILITY OF INSURERS

- ### A.
- Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A:-VII. The name of the Insurance Company underwriting the coverage and its address shall be noted on the endorsement form. Contractors must provide written verification of their insurer's rating.

GENERAL CONDITIONS

2.7 VERIFICATION OF COVERAGE

Contractor shall furnish the Owner with original certificates and amendatory endorsements effecting coverage required by this clause. All certificates and endorsements are to be received and approved by the Owner before work commences in sufficient time to permit contractor to remedy any deficiencies. The Owner reserves the right to require complete, certified copies of all required insurance policies or pertinent parts thereof, including endorsements affecting the coverage required by these specifications at any time.

2.8 SUBCONTRACTORS

- A. Subcontractors shall include the Contractor as additional insured under their policies. All coverage's for subcontractors shall be subject to all of the requirements stated herein. Contractor shall be responsible for the adequacy of required coverages for subcontractors, and compile related certificates of insurance and endorsements evidencing subcontractors' compliance.

2.9 PAYMENT AND PERFORMANCE BONDS

- A. Payment and performance bonds for 100% of the Contract Award Amount shall be furnished for the Work, using the Payment Bond and Performance Bond form AIA – form A312. Change order increases of cumulative 15% increments require revisions to the bond to match the new Contract Sum.

PART 3 - PERFORMANCE

3.1 CONTRACTOR CONTROL AND SUPERVISION

- A. Contractor shall be solely responsible for, and have control over construction means, methods, techniques, sequences, and procedures and for coordinating all portions of the Work, and shall be responsible to Owner for acts and omissions of Contractor, Subcontractors, and their employees and agents.
- B. Contractor shall enforce strict discipline and good order among Contractor's employees and other persons performing the Work. Contractor shall not permit employment of persons not skilled in tasks assigned to them. Owner may, by Notice, request Contractor to remove from the Work or Project site any employee Owner reasonably deems incompetent, careless, or otherwise objectionable.
- C. The Contractor shall perform on the site, and with its own organization, work equivalent to at least 12% of the total amount of work to be performed under the contract.
- D. Work Hours: The Contractor's allowable hours of operation shall be limited to those hours between 8:00 A.M. and 6:00 P.M. Monday to Friday excluding public holidays.

3.2 PERMITS, FEES, AND NOTICES

- A. Unless otherwise provided in the Contract Documents, Contractor shall pay for and obtain all permits, licenses, and coordinate inspections necessary for proper execution and completion of the Work. Prior to final payment, the approved, signed permits shall be delivered to Owner.

3.3 PREVAILING WAGES

- A. Statutes of the State of Washington RCW 39.12 as amended shall apply to this contract. Requirements, in brief, are stated below:
 - 1. There shall be paid each laborer or mechanic of the Contractor or sub-Contractor engaged in work on the project under this contract in the trade or occupation listed in the schedule of Wage Rates, as determined by the Department of Labor and Industries, not less than the hourly wage rate listed therein, regardless of any contractual relationship which may be alleged to exist between the Contractor and any sub-contractor and such laborers and mechanics.

GENERAL CONDITIONS

2. The "prevailing rate or wage" contained in the wage determination include health and welfare fund contributions and other fringe benefits collectively bargained for by the various management and labor organizations. Prevailing wages shall be paid based on the most recent semi-annual list as required by the Department of Labor and Industries (L&I).
3. In case any dispute arises as to what are the prevailing rates for wages of work of a similar nature, and such disputes cannot be resolved by the parties involved, including labor and management representatives, the matter shall be referred for arbitration to the Director of the Department of Labor and Industries of the State of Washington, and the Director's decision shall be final and conclusive and binding on all parties involved in the dispute.

B. Before commencing the Work, Contractor shall file a statement of "Intent to Pay Prevailing Wages."

C. After completion of the Work, Contractor shall file an "Affidavit of Wages Paid."

3.4 EQUAL EMPLOYMENT OPPORTUNITY

A. During performance of the Work:

1. Contractor shall not discriminate against any employee or applicant for employment because of race, creed, color, national origin, sex, age, marital status, the presence of any physical, sensory, or mental disability, sexual orientation, Vietnam-era veteran status, disabled veteran status or political affiliation, nor commit any unfair practices as defined in RCW 49.60.
2. The Contractor shall take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, national origin, of any physical, sensory, or mental disability, sexual orientation, Vietnam-era veteran status, disabled veteran status, or political affiliation.
3. The Contractor shall give all notices and comply with all applicable laws, ordinances, rules, regulations and orders in regard to Equal Employment Opportunity including but not limited to Executive Order 11246, as amended, Section 503 of the Rehabilitation Act of 1973, as amended, and the rules, regulations, and orders of the Secretary of Labor. The Contractor shall include the terms of this Clause in every subcontract so that such term shall be binding on each Subcontractor.
4. Non-Discrimination R.C.W. 49.60: These special requirements establish minimum requirements for affirmative action and are intended to define and implement the basic discrimination provisions of these specifications. Failure to comply with these requirements may constitute grounds for application of contract default.

3.5 SAFETY PRECAUTIONS

A. In performing this contract, the Contractor shall provide for protecting the lives and health of employees and other persons; preventing damage to property, materials, supplies, and equipment; and avoid work interruptions. For these purposes, the Contractor shall:

1. Follow Washington Industrial Safety and Health Act (WISHA) regional directives and provide a site-specific safety program that will require an accident prevention and hazard analysis plan for the contractor and each subcontractor on the work site. The Contractor shall submit a site-specific safety plan to the Owner's representative prior to the initial scheduled construction meeting.
2. Provide adequate safety devices and measures including, but not limited to, the appropriate safety literature, notice, training, permits, placement and use of barricades, signs, signal lights, ladders, scaffolding, staging, runways, hoist, construction elevators, shoring, temporary lighting, grounded outlets, wiring, hazardous materials, vehicles, construction processes, and equipment required by Chapter 19.27 RCW, State Building Code (Uniform Building, Electrical, Mechanical, Fire, and Plumbing Codes); Chapter 212-12 WAC, Fire Marshal Standards, Chapter 49.17 RCW, WISHA; Chapter 296-155 WAC, Safety Standards for Construction Work; Chapter 296-65 WAC; WISHA Asbestos Standard; WAC 296-62-071, Respirator Standard; WAC 296-62, General Occupation Health Standards, WAC 296-24, General Safety and Health Standards, WAC 296-24, General Safety and Health Standards, Chapter 49.70 RCW, and Right to Know Act.
3. Comply with the State Environmental Policy Act (SEPA), Clean Air Act, Shoreline Management Act, and other applicable federal, state, and local statutes and regulations dealing with the prevention of environmental pollution and the preservation of public natural resources.
4. Post all permits, notices, and/or approvals in a conspicuous location at the construction site.

GENERAL CONDITIONS

5. Provide any additional measures that the Owner determines to be reasonable and necessary for ensuring a safe environment in areas open to the public. Nothing in this part shall be construed as imposing a duty upon the Owner to prescribe safety conditions relating to employees, public, or agents of the Contractors.
- B. Contractor to maintain safety records: Contractor shall maintain an accurate record of exposure data on all incidents relating to the Work resulting in death, traumatic injury, occupational disease, or damage to property, materials, supplies, or equipment. Contractor shall immediately report any such incident to Owner. Owner shall, at all times, have a right of access to all records of exposure.
- C. Contractor to provide HazMat training: Contractor shall provide all persons working on the Project site with information and training on hazardous chemicals in their work at the time of their initial assignment, and whenever a new hazard is introduced into their work area.
 1. Information. At a minimum, Contractor shall inform persons working on the Project site of:
 - a. WAC: The requirements of chapter 296-62 WAC, General Occupational Health Standards;
 - b. Presence of hazardous chemicals: Any operations in their work area where hazardous chemicals are present; and
 - c. Hazard communications program: The location and availability of written hazard communication programs, including the required list(s) of hazardous chemicals and material safety data sheets required by chapter 296-62 WAC.
 2. Training. At a minimum, Contractor shall provide training for persons working on the Project site which includes:
 - a. Detecting hazardous chemicals: Methods and observations that may be used to detect the presence or release of a hazardous chemical in the work area (such as monitoring conducted by the employer, continuous monitoring devices, visual appearance or odor of hazardous chemicals when being released, etc.);
 - b. Hazards of chemicals: The physical and health hazards of the chemicals in the work area;
 - c. Protection from hazards: The measures such persons can take to protect themselves from these hazards, including specific procedures Contractor, or its Subcontractors, or others have implemented to protect those on the Project site from exposure to hazardous chemicals, such as appropriate work practices, emergency procedures, and personal protective equipment to be used; and
 - d. Hazard communications program: The details of the hazard communications program developed by Contractor, or its Subcontractors, including an explanation of the labeling system and the material safety data sheet, and how employees can obtain and use the appropriate hazard information.
- D. Hazardous, toxic or harmful substances: Contractor's responsibility for hazardous, toxic, or harmful substances shall include the following duties:
 1. Illegal use of dangerous substances: Contractor shall not keep, use, dispose, transport, generate, or sell on or about the Project site, any substances now or hereafter designated as, or which are subject to regulation as, hazardous, toxic, dangerous, or harmful by any federal, state or local law, regulation, statute or ordinance (hereinafter collectively referred to as "hazardous substances"), in violation of any such law, regulation, statute, or ordinance, but in no case shall any such hazardous substance be stored on the Project site.
 2. Contractor notifications of spills, failures, inspections, and fines: Contractor shall promptly notify Owner of all spills or releases of any hazardous substances which are otherwise required to be reported to any regulatory agency and pay the cost of cleanup. Contractor shall promptly notify Owner of all failures to comply with any federal, state, or local law, regulation, or ordinance; all inspections of the Project site by any regulatory entity concerning the same; all regulatory orders or fines; and all responses or interim cleanup actions taken by or proposed to be taken by any government entity or private party on the Project site.
- E. Public safety and traffic: All Work shall be performed with due regard for the safety of the public. Contractor shall perform the Work so as to cause a minimum of interruption of vehicular traffic or inconvenience to pedestrians. All arrangements to care for such traffic shall be Contractor's responsibilities. All expenses involved in the maintenance of traffic by way of detours shall be borne by Contractor.

GENERAL CONDITIONS

- F. Contractor to act in an emergency: In an emergency affecting the safety of life or the Work or of adjoining property, Contractor is permitted to act, at its discretion, to prevent such threatened loss or injury, and Contractor shall so act if so authorized or instructed.
- G. No duty of safety by Owner: Nothing provided in this section shall be construed as imposing any duty upon Owner with regard to, or as constituting any express or implied assumption of control or responsibility over, Project site safety, or over any other safety conditions relating to employees or agents of Contractor or any of its Subcontractors, or the public.

3.6 INDEPENDENT CONTRACTOR

- A. The Contractor and Owner agree the Contractor is an independent contractor with respect to the services provided pursuant to this Contract. Nothing in this Contract shall be considered to create a relationship of employer and employee between the parties hereto. Neither the Contractor nor any employee of the Contractor shall be entitled to any benefits accorded Owner employees by virtue of the services provided under this Contract. The Owner shall not be responsible for withholding or otherwise deducting federal income tax or social security or contributing to the State Industrial Insurance Program, or otherwise assuming the duties of an employer with respect to the Contractor, or any employees of the Contractor.

3.7 OPERATIONS, MATERIAL HANDLING, AND STORAGE AREAS

- A. Contractor shall confine all operations, including storage of materials, to Owner-approved areas.
- B. Contractor shall be responsible for the proper care and protection of its materials and equipment delivered to the Project site.
- C. Contractor shall protect and be responsible for any damage or loss to the Work, or to the materials or equipment until the date of Final Acceptance, and shall repair or replace without cost to Owner any damage or loss that may occur.

3.8 PRIOR NOTICE OF EXCAVATION

- A. Prior to any excavation Contractor shall engage a locate service for all underground facilities or utilities. Contractor shall pay all fees for locator services and pay for all damages caused by excavation.

3.9 UNFORESEEN PHYSICAL CONDITIONS

- A. Notice requirement for concealed or unknown conditions: If Contractor encounters conditions at the site which are subsurface or otherwise concealed physical conditions which differ materially from those indicated in the Contract Documents, or unknown physical conditions of an unusual nature which differ materially from those ordinarily found to exist and generally recognized as inherent in construction activities of the character provided for in the Contract Documents, then Contractor shall give written notice to Owner promptly and in no event later than seven Days after the first observance of the conditions. Conditions shall not be disturbed prior to such notice.
- B. Adjustment in Contract Time and Contract Sum: If such conditions differ materially and cause a change in Contractor's cost of, or time required for, performance of any part of the Work, the Contractor may be entitled to an equitable adjustment in the Contract Time or Contract Sum, or both, provided it makes a request therefore as provided in Part 5.

3.10 PROTECTION OF EXISTING STRUCTURES, EQUIPMENT, VEGETATION, UTILITIES, AND IMPROVEMENTS

- A. Contractor shall protect from damage all existing conditions, including soils, structures, equipment, improvements, utilities, and vegetation at or near the Project site; and on adjacent property of a third party, the locations of which are made known to or should be known by Contractor. Contractor shall repair any damage, including that to the property of a third party, resulting from failure to comply with the requirements of the Contract Documents, any defects of equipment, material, workmanship or design furnished by the Contractor, or failure by Contractor or subcontractor at any tier to exercise reasonable care in performing the Work. If

GENERAL CONDITIONS

Contractor fails or refuses to repair the damage promptly, Owner may have the necessary work performed and charge the cost to Contractor.

- B. New work which connects to existing work shall correspond in all respects with that to which it connects and/or be similar to existing work unless otherwise required by the Specifications.

3.11 MATERIAL AND EQUIPMENT

- A. All equipment, material, and articles incorporated into the Work shall be new and of the most suitable grade for the purpose intended, unless otherwise specifically provided in the Contract Documents. References in the Specifications to equipment, material, articles, or patented processes by trade name, make, or catalog number, shall be regarded as establishing a standard quality and shall not be construed as limiting competition. Contractor may, at its option, use any equipment, material, article, or process that, in the judgment of Owner, is equal to that named in the Specifications, unless otherwise specifically provided in the Contract Documents.
- B. Substitutions shall be considered where qualities and attributes including, but not limited to, cost, performance, weight, size, durability, visual effect, and specific features and requirements indicated are deemed equal or better by the Owner at the Owner's sole discretion. All requests for substitutions shall be made in writing to Owner and shall not be deemed to be approved unless approved in writing by Owner.

3.12 CORRECTION OF NONCONFORMING WORK

- A. Contractor shall promptly correct Work found by Owner not to conform to the requirements of the Contract Documents, whether observed before or after Final Acceptance.
- B. If Contractor fails to correct nonconforming Work, Owner may replace, correct, or remove the nonconforming Work and charge the cost thereof to the Contractor.

3.13 CLEAN UP

- A. Contractor shall at all times keep the Project site, including hauling routes, infrastructures, utilities, and storage areas, free from accumulations of waste materials. Before completing the Work, Contractor shall remove from the premises its rubbish, tools, scaffolding, equipment, and materials. Upon completing the Work, Contractor shall leave the Project site in a clean, neat, and orderly condition satisfactory to Owner. If Contractor fails to clean up as provided herein, and after reasonable notice from Owner, Owner may do so and the cost thereof shall be charged to Contractor.

3.14 SUBCONTRACTORS AND SUPPLIERS

- A. Contractor shall utilize Subcontractors and suppliers which are experienced and qualified.
- B. By appropriate written agreement, Contractor shall require each Subcontractor to be bound to Contractor by terms of those Contract Documents, and to assume toward Contractor all the obligations and responsibilities which Contractor assumes toward Owner in accordance with the Contract Documents. Each Subcontract shall preserve and protect the rights of Owner in accordance with the Contract Documents with respect to the Work to be performed by the Subcontractor so that subcontracting thereof will not prejudice such rights. Contractor shall require each Subcontractor to enter into similar agreements with Sub-subcontractors. However, nothing in this paragraph shall be construed to alter the contractual relations between Contractor and its Subcontractors with respect to insurance or bonds.
- C. Contractor shall schedule, supervise, and coordinate the operations of all Subcontractors. No Subcontracting of any of the Work shall relieve Contractor from its responsibility for the performance of the Work in accordance with the Contract Documents or any other obligations of the Contract Documents.
- D. It is the Contractor's responsibility to pay its Subcontractors and material suppliers on a timely basis. The Owner reserves the right to withhold a portion of the Contractor's payment if the Contractor fails to make timely payments to the Subcontractors and material suppliers.

GENERAL CONDITIONS

- E. The Contract Documents shall not be construed to create a contractual relationship of any kind between the Owner and any Subcontractor; or any persons other than Owner and Contractor.
- F. The Contractor shall not enter into any subcontract with any subcontractor who has been suspended or debarred from participating in contracting programs by any agency of the United States Government or by any state, territory, or municipality.

3.15 INDEMNIFICATION

- A. The Contractor hereby agrees to indemnify, defend, and hold harmless the Authority, its successors and assigns, director, officers, officials, employees, agents, partners and volunteers (all foregoing singly and collectively (Indemnities")) from a and against any and all claims, losses, harm costs, liabilities, damages and expenses, including, but not limited to, reasonable attorney's fees arising or resulting from the performance of the services, or the acts or omissions of the Contractor its successors, and assigns, employees, subcontractors or anyone acting on the contractor's behalf in connection with this Contract or its performance of this Contract.
- B. Provided, however, that the Contractor will not be required to indemnify, defend, or save harmless the indemnitee as provided in the preceding paragraphs of this section if the claim, suit, or action for injuries, death, or damages is caused by the sole negligence of the indemnitee. Where such claims, suites, or actions result from the concurrent negligence of (a) the indemnitee or the indemnitee's agents or employees and (b) the Contractor or the Contractor's agent or employee, the indemnity provisions provided in the proceeding paragraphs of this section shall be valid and enforceable only to the extent of the Contractor's negligence or the negligence of its agents and employees..
- C. The foregoing indemnity is specifically and expressly intended to constitute a waiver of the Contractor's immunity under Washington's Industrial Insurance act, RCW Title 51. The parties acknowledge that these provisions were specifically negotiated and agreed upon by them. If any portion of this indemnity clause is invalid or unenforceable, it shall be deemed excised and the remaining portions of the clause shall be given full force and effect.
- D. The Contractor hereby agrees to require all its Subcontractors or anyone acting under its direction or control or on its behalf in connection with or incidental to the performance of this Contract to execute an indemnity clause identical to the preceding clause, specifically naming the Owner as indemnity, and failure to do so shall constitute a material breach of this Contract by the Contractor.

3.16 PROHIBITION AGAINST LIENS

- A. The Contractor is prohibited from placing a lien on the Owner's property. This prohibition shall apply to all subcontractors of any tier and all materials suppliers, in accordance with RCW 35.82.190.

3.17 DAMAGES FOR FAILURE TO ACHIEVE TIMELY COMPLETION

- A. Liquidated Damages
 1. Timely performance and completion of the Work is essential to Owner and time limits stated in the Contract Documents are of the essence. The liquidated damage amounts set forth will be assessed not as a penalty, but as liquidated damages for breach of the Contract Documents. This amount is fixed and agreed upon by and between the Contractor and Owner because of the impracticability and extreme difficulty of fixing and ascertaining the actual damages the Owner would in such event sustain. This amount shall be construed as the actual amount of damages sustained by the Owner, and may be retained by the Owner and deducted from any payments to the Contractor.
 2. If different completion dates are specified in the contract for separate parts or stages of the work, the amount of liquidated damages shall be assessed on those parts or stages which are delayed.

3.18 WAIVER AND SEVERABILITY

- A. The failure or delay of either party to insist on performance of any provision of the Contract, or to exercise any right or remedy available under the Contract, shall not be construed as a waiver of that provision, right, or remedy in any later instance. Waiver or breach of any provision of the Contract shall not be construed to be a

GENERAL CONDITIONS

waiver of any other or subsequent breach and shall not be construed to be a modification of the terms of the Contract, unless the Contract is modified pursuant to the Clause entitled "Contract Modifications" herein.

- B. If any provision of the Contract is or becomes void or unenforceable by operation of law, the remaining provisions shall be valid and enforceable.

PART 4 - PAYMENTS AND COMPLETION

4.1 CONTRACT SUM

- A. The Contract Sum shall include all taxes imposed by law and properly chargeable to the Project, including sales tax. The Contractor shall pay the WSST to the Department of Revenue and shall furnish proof of payment to the Owner if requested.
- B. The retail sales tax does not apply to the gross contract price.
- C. Prime and subcontractors are required to pay retail sales tax upon all purchases of materials, including prefabricated and precast items, equipment, leases or rentals of tools, consumables, and other tangible personal property which is installed, applied, attached, or otherwise incorporated in their work.

4.2 APPLICATION FOR PAYMENT

- A. At monthly intervals, unless determined otherwise by Owner, Contractor shall submit to Owner an Application for Payment for Work completed in accordance with the Contract Documents. Each application shall be supported by such substantiating data as Owner may require.
- B. Each invoice shall include the following statement: "I hereby certify that the items listed are proper charges for materials, merchandise or services provided to the King County Housing Authority, and that all goods and/or services have been provided; that prevailing wages have been paid in accordance with the approved statements of intent filed with the Department of Labor and Industries; and that sub-contractors and/or suppliers have been paid, less earned retainage, as their interest appears in the last payment received."
- C. Coordinate preparation of the Schedule of Values with preparation of Contractor's Construction Schedule. Each Application for Payment shall be consistent with previous applications and payments.
- D. Owner shall retain 5% of the amount of each progress payment until 45 Days after Final Acceptance and receipt of all documents required by law or the Contract Documents, including releases by Washington State Employment Security Department and Washington State Department of Revenue, Department of Labor & Industries, and consent of surety to release of the retainage.
- E. Waivers of Lien: With each Application for Payment, submit conditional waivers lien from every entity who is lawfully entitled to file a lien arising out of the Contract and related to the Work covered by the payment.
 - 1. Submit partial waivers on each item for amount requested, before deduction for retainage, on each item.
 - 2. When an application shows completion of an item, submit final or full waivers.
 - 3. Owner reserves the right to designate which entities involved in the Work must submit waivers.
 - a. Submit final Application for Payment with or preceded by final waivers from every entity involved with performance of the Work covered by the application who is lawfully entitled to a lien.
- F. Final Payment Application: Submit final Application for Payment with releases and close out supporting documentation.
- G. Approved payments shall be mailed to the Contractor within 30 days.

GENERAL CONDITIONS

4.3 FINAL COMPLETION, ACCEPTANCE, AND PAYMENT

- A. The Owner shall make a final inspection of the Work on receipt of (1) written notice from the Contractor that the Work is ready for final inspection and (2) a final Application for Payment. When the Owner finds the Work acceptable and fully performed under the Contract Documents, and the Contractor has delivered to the Owner all warranties, permits, and operations manuals, the Owner will issue a Notice of Final Completion.
- B. Acceptance of final payment by Contractor, or any Subcontractor, shall constitute a waiver and release to Owner of all claims by Contractor, or any such Subcontractor, for an increase in the Contract Sum or the Contract Time, and for every act or omission of Owner relating to or arising out of the Work, except for those Claims made in accordance with the procedures, including the time limits, set forth in PART 7 - .

PART 5 - CHANGES

5.1 CHANGE IN THE WORK

- A. Owner may, at any time and without notice to Contractor's surety, order additions, deletions, revisions, or other changes in the Work. These changes in the Work shall be incorporated into the Contract Documents through the execution of Change Orders. If any change in the Work ordered by Owner causes an increase or decrease in the Contract Sum or the Contract Time, an equitable adjustment shall be made as provided in 5.2 and 5.3.
- B. Pending agreement on the terms of the Change Order, Owner may direct Contractor to proceed immediately with the Change Order Work. Contractor shall not proceed with any change in the Work until it has obtained Owner's approval.
- C. The Contractor agrees that any change in the Contract Amount or Contract Time provided in a Change Order is full and complete compensation to the Contractor for the change(s) to the work, deleted work, modified work, direct or indirect impact on the Contractor's schedule, and for any equitable adjustment or time extension to which the Contractor may be entitled to in this Change Order, pursuant to the Contract between the Owner and Contractor.

5.2 CHANGE IN THE CONTRACT SUM

- A. Change Order Pricing - Fixed Price: When the fixed price or time and materials method is used to determine the value of any Work covered by a Change Order, or of a request for an equitable adjustment in the Contract Sum, the following procedures shall apply:
 - 1. Contractor's Change Order proposal, or request for adjustment in the Contract Sum, shall be accompanied by a complete itemization of the costs, including labor, material, subcontractor costs, and overhead and profit. The costs shall be itemized in the manner set forth below, and shall be submitted on breakdown sheets with documentation in a form approved by Owner.
 - 2. Any request for adjustment of Contract Sum shall include only the following items:
 - a. Craft labor costs for Contractors and Subcontractors.
 - 1) Basic wages and benefits: Hourly rates and benefits according to applicable prevailing wages.
 - 2) Direct supervision shall not to exceed 15% of the cost of direct labor. No supervision markup shall be allowed for a working supervisor's hours.
 - 3) Worker's Insurance. Direct contributions to the State for industrial insurance, medical aid, and supplemental pension by the class and rates established by L&I.
 - 4) Federal Insurance. Direct contributions required by the Federal Insurance Compensation Act; Federal Unemployment Tax Act; and the State Unemployment Compensation Act.
 - 5) Safety and small tools: 4% of the sum of the amounts calculated in (1), (2), and (3) above.
 - b. Material Costs: Material costs and applicable sales tax shall be developed from actual known costs, supplier quotations or standard industry pricing guides and shall consider all available discounts. Freight costs, express charges, or special delivery charges shall be itemized.

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- c. Equipment Costs: Itemization of the type of equipment and the estimated or actual length of time the equipment appropriate for the Work is or will be used on the change in the Work. Costs will be allowed for equipment and applicable sales tax only if used solely for the changed Work, or for additional rental costs actually incurred by the Contractor. The Date Quest Rental Rate (Blue Book) shall be used as a basis for establishing rental rates of equipment not listed in the above sources. The maximum rate for standby equipment shall not exceed 50% of the applicable rate.
- d. Allowance for Overhead: This allowance shall compensate Contractor for all noncraft labor, temporary construction facilities, field engineering, schedule updating, as-built drawings, home office cost, B&O taxes, office engineering, estimating costs, additional overhead because of extended time and any other cost incidental to the change in the Work. This allowance shall be strictly limited in all cases an amount not to exceed the following:
 - 1) For Contractor, for any Work actually performed by Contractor's own forces, 16% of the cost.
 - 2) For each Subcontractor (including lower tier subcontractors), for any Work actually performed by its own forces, 16% of the cost.
 - 3) For Contractor, for any Work performed by its Subcontractor(s), 6% of the amount due each Subcontractor.
 - 4) For each Subcontractor, for any Work performed by its Subcontractor(s) of any lower tier, 5% of the amount due the sub-Subcontractor.
- e. Allowance for Profit:
 - 1) For Contractor or Subcontractor of any tier for work performed by their forces, 5% of the cost developed in accordance with subsections a, b & c above.
 - 2) For Contractor or Subcontractor of any tier for work performed by a subcontractor of a lower tier, 5% of the Subcontractor cost.
- f. Insurance or Bond Premium: The costs of any change or additional premium of Contractor's liability insurance and public works bond arising directly from the changed Work. The costs of any change in insurance or bond premium shall be added after overhead and profit are calculated.

B. Change Order Pricing - Unit Prices

- 1. Work on a unit-price basis as stated in the Specifications and at the price submitted in the Bid Form or as subsequently modified.
 - a. Unit prices shall include reimbursement for all direct and indirect costs of the Work, including overhead and profit, and bond and insurance costs; and
 - b. Quantities must be supported by field measurement verified by Owner.

5.3 CHANGE IN THE CONTRACT TIME

- A. The Contract Time shall only be changed by a Change Order. Contractor shall immediately notify Owner, and shall include any request for a change in the Contract Time in its Change Order proposal.
- B. If the time of Contractor's performance is changed due to an act of Force Majeure, Contractor shall request for an equitable adjustment in the Contract Time in writing within 24-hours of the occurrence.

PART 6 - CLAIMS AND DISPUTE RESOLUTION

6.1 CLAIMS PROCEDURE

- A. If the parties fail to reach agreement regarding any dispute arising from the Contract Documents, Contractor's only remedy shall be to file a Claim with Owner within 30 Days from Owner's final offer.

GENERAL CONDITIONS

- B. The Claim shall be deemed to cover all changes in cost and time (including direct, indirect, impact, and consequential) to which Contractor may be entitled. It shall be fully substantiated and documented.
- C. After Contractor has submitted a fully-documented Claim, Owner shall respond, in writing, to Contractor with a decision within 30 Days from the date the Claim is received.
- D. Contractor shall proceed with performance of the Work pending final resolution of any Claim. Owner's written decision as set forth above shall be final and conclusive as to all matters set forth in the Claim.
- E. Any Claim of the Contractor against the Owner for damages, additional compensation, or additional time, shall be conclusively deemed to have been waived by the Contractor unless timely made in accordance with the requirements of this section.

6.2 ARBITRATION

- A. If Contractor disagrees with Owner's decision rendered in accordance with paragraph 6.1C, Contractor shall provide Owner with a written demand for arbitration. No demand for arbitration of any such Claim shall be made later than 30 Days after the date of Owner's decision on such Claim; failure to demand arbitration within said 30 Day period shall result in Owner's decision being final and binding upon Contractor and its Subcontractors.
 - 1. Notice of the demand for arbitration shall be filed with the American Arbitration Association (AAA), with a copy provided to Owner. The parties shall negotiate or mediate under the Voluntary Construction Mediation Rules of the AAA, or mutually acceptable service.
- B. All Claims arising out of the Work shall be resolved by arbitration. The judgment upon the arbitration award may be entered, or review of the award may occur, in the superior court having jurisdiction thereof. No independent legal action relating to or arising from the Work shall be maintained.

6.3 CLAIMS AUDITS

- A. All Claims filed against Owner shall be subject to audit at any time following the filing of the Claim. Failure of Contractor, or Subcontractors of any tier, to maintain and retain sufficient records to allow Owner to verify all or a portion of the Claim or to permit Owner access to the books and records of Contractor, or Subcontractors of any tier, shall constitute a waiver of the Claim and shall bar any recovery.
 - 1. In support of Owner audit of any Claim, Contractor shall promptly make available to Owner all records relating to the Work.

PART 7 - TERMINATION OF THE WORK

7.1 TERMINATION BY OWNER FOR CAUSE

- A. Owner may, upon a written Notice to Contractor and to its surety, terminate (without prejudice to any right or remedy of Owner) the Work, or any part of it, for cause upon the occurrence of any one or more of the following events:
 - 1. Contractor fails to prosecute the Work or any portion thereof with sufficient diligence to ensure Completion of the Work within the Contract Time;
 - 2. Contractor is adjudged bankrupt, makes a general assignment for the benefit of its creditors, or a receiver is appointed on account of its insolvency;
 - 3. Contractor fails in a material way to replace or correct Work not in conformance with the Contract Documents;
 - 4. Contractor repeatedly fails to supply skilled workers or proper materials or equipment;
 - 5. Contractor repeatedly fails to make prompt payment due to Subcontractors, suppliers, or for labor;
 - 6. Contractor materially disregards or fails to comply with laws, ordinances, rules, regulations, or orders of any public authority having jurisdiction; or
 - 7. Contractor is otherwise in material breach of any provision of the Contract Documents.

GENERAL CONDITIONS

- B. Upon termination, Owner may at its option:
 - 1. Take possession of the Project site and take possession of or use all materials, equipment, tools, and construction equipment and machinery thereon owned by Contractor to maintain the orderly progress of, and to finish, the Work;
 - 2. Finish the Work by whatever other reasonable method it deems expedient.
- C. Owner's rights and duties upon termination are subject to the prior rights and duties of the surety, if any, obligated under any bond provided in accordance with the Contract Documents.
- D. When Owner terminates the Work in accordance with this section, Contractor shall take the actions set forth in paragraph 7.2B, and shall not be entitled to receive further payment until the Work is accepted.
- E. If the unpaid balance of the Contract Sum exceeds the cost of finishing the Work, including compensation for A/E services and expenses made necessary thereby and any other extra costs or damages incurred by Owner in completing the Work, or as a result of Contractor's actions, such excess shall be paid to Contractor. If such costs exceed the unpaid balance, Contractor shall pay the difference to Owner. Contractor shall also be liable for liquidated damages until such reasonable time as may be required for Completion. These obligations for payment shall survive termination.
- F. Termination of the Work in accordance with this section shall not relieve Contractor or its surety of any responsibilities for Work performed.
- G. If Owner terminates Contractor for cause, and it is later determined that none of the circumstances set forth in 7.1A exist, then such termination shall be deemed a termination for convenience pursuant to 7.2.

7.2 TERMINATION BY OWNER FOR CONVENIENCE

- A. Owner may, upon Notice, terminate (without prejudice to any right or remedy of Owner) the Work, or any part of it, for the convenience of Owner.
- B. Unless Owner directs otherwise, after receipt of a Notice of termination for either cause or convenience, Contractor shall promptly:
 - 1. Stop performing Work on the date and as specified in the notice of termination;
 - 2. Place no further orders or subcontracts for materials, equipment, services or facilities, except as may be necessary for completion of such portion of the Work as is not terminated;
 - 3. Cancel all orders and subcontracts, upon terms acceptable to Owner, to the extent that they relate to the performance of Work terminated;

PART 8 - MISCELLANEOUS PROVISIONS

8.1 RECORDS KEEPING AND REPORTING

- A. The Contractor and all Subcontractors shall maintain accounts and records in accordance with State Auditor's procedures, including personnel, property, financial and programmatic records which sufficiently and properly reflect all direct and indirect costs of any nature expended and services performed in the performance of this Contract and other such records as may be deemed necessary by the Owner to ensure proper accounting for all funds contributed by the Owner to the performance of this Contract and compliance with this Contract.
- B. The Contractor, and its Subcontractors, shall maintain these records for a period of six (6) years after the date of Final Acceptance.

8.2 AUDITS AND INSPECTIONS

- A. The records and documents with respect to all matters covered by this Contract shall be subject at all times to inspection, review or audit by the Owner or any other government agency so authorized by law during the performance of this Contract. The Owner shall have the right to an annual audit of the Contractor's financial statement and condition.

GENERAL CONDITIONS

8.3 ORGANIZATION CONFLICTS OF INTEREST

- A. The Contractor warrants that to the best of its knowledge and belief and except as otherwise disclosed, it does not have any organizational conflict of interest which is defined as a situation in which the nature of work under this Contract and the Contractor's organizational, financial, contractual or other interests are such that:
 - 1. Award of the Contract may result in an unfair competitive advantage; or
 - 2. The Contractor's objectivity in performing the Contract work may be impaired.
- B. The Contractor agrees that if after award they discover an organizational conflict of interest with respect to this Contract, they shall make an immediate and full disclosure in writing to the Contracting Officer, which shall include a description of the action, which the Contractor has taken or intends to take to eliminate or neutralize the conflict. The Owner may, however, terminate the Contract if it deems the action to be in the best interest of the Owner.
- C. In the event the Contractor was aware of an organizational conflict of interest before the award of this Contract and intentionally did not disclose the conflict to the Contracting Officer, the Owner may terminate the Contract for default.
- D. The provisions of this Clause shall be included in all subcontracts and consulting agreements wherein the work to be performed is similar to the services provided by the Contractor. The Contractor shall include in such subcontracts and consulting agreements any necessary provisions to eliminate or neutralize conflicts of interest.

8.4 INTERESTS OF MEMBERS OF CONGRESS

- A. No member of or delegate to the Congress of the United States of America shall be admitted to any share or part of this Contract or to any benefit to arise therefrom, but this provision shall not be construed to extend to this Contract if made with a corporation for its general benefit.

8.5 INTERESTS OF MEMBERS, OFFICERS, COMMISSIONERS AND EMPLOYEES, OR FORMER MEMBERS, OFFICERS AND EMPLOYEES

- A. No member, officer, or employee of the King County Housing Authority, no member of the governing body of the locality in which the project is situated, no member of the governing body in which the Owner was activated, and no other public official or such locality or localities who exercises any functions or responsibilities with respect to the project, shall, during his or her tenure, or for one year thereafter, have any interest, direct or indirect, in this Contract or the proceeds thereof.

BID FORM

PROJECT NAME AND LOCATION:

Siding & Window Replacement
Bellepark East Apartments

Contract Number: DW2300231

BID FORM

The undersigned, Legal Name of Bidder: _____

on this date: _____, 2023, having familiarized him/herself with the contract documents, site conditions, and has field verified all measurements contained in the project manual as prepared by the Owner, hereby proposes to furnish labor, materials and necessary equipment – all including, but not limited to, demolition, disposal, new installation and the required applicable taxes and fees to complete the work for the following bid amounts:

BASE BID _____ (\$ _____)
(Including sales tax indicated in Instructions to Bidders)

ADDENDA _____
Acknowledge receipt of any addenda by inserting the number(s) above

In submitting this bid, it is understood that the right is reserved by the Owner to reject any and all bids. The undersigned hereby agrees that this proposal shall be a valid and firm offer for a period of Sixty (60) calendar days from the date of Bid Opening.

Bidder agrees that Work will be substantially complete and ready for final payment in accordance with the Contract Documents on or before the date, within the number of calendar days indicated.

The undersigned Bidder hereby certifies that, within the three-year period immediately preceding the bid solicitation date for this Project, the bidder is not a “willful” violator, as defined in RCW 49.48.082, of any provision of chapters 49.46, 49.48, or 49.52 RCW, as determined by a final and binding citation and notice of assessment issued by the Department of Labor and Industries or through a civil judgment entered by a court of limited or general jurisdiction.

I certify (or declare) under penalty of perjury under the laws of the State of Washington that the foregoing is true and correct.

Signature of Bidder

Print Your Name

Submitted on _____ day of _____ 2023

City

State

BIDDER INFORMATION

BIDDER INFORMATION

Name of Bidder (Company): _____

Address: _____

Contact Name: _____

Phone Number: _____ Email Address: _____

Business Type: General Contractor () Other () (Please specify): _____

Bidder is a(n): Individual Partnership Joint Venture Incorporated in the state of _____

List business names & associated UBI # used by Bidder during the past 5 years if different than above:

Bidder has been in business continuously from: _____
Month, Year

Business License #: _____ Federal ID #: _____

Current UBI #: _____ Dept. of L&I Worker's Comp. Acct. #: _____

Bidder has experience in work "Similar in Scope and Complexity" comparable to that required for this Project:

As a prime contractor for _____ years. As a subcontractor for _____ years.

OWNER(S) OF COMPANY (List all owners):	OWNER'S SOCIAL SECURITY NUMBER (only required if sole proprietorship):

No. of regular full-time employees other than owner(s): _____

Indicate clearly the kind of work your company will actually perform in this project:

Approximate % of work your company will actually perform: _____

List the supervisory personnel to be employed by the Bidder and available for, and intended to, work on this project:

<u>Name</u>	<u>Title</u>	<u>How Long With Bidder</u>

BIDDER INFORMATION

SUBCONTRACTORS

Do you intend to use Subcontractor(s) in this project? Yes No (If yes, you must show the name of the subcontractors. Attach additional pages as necessary.)

Subcontractors Name	Subcontractor's UBI#	Phone Number	Trade	Years in Business
1.				
2.				
3.				
4.				
5.				

BIDDER'S EXPERIENCE

Projects successfully supervised and completed by your company for work of similar scope and value as specified in bid documents in the last 5 years. Attach additional pages as necessary.

Name of Project	Completion Date	Duration (Months)	Nature of Work	Amount of Contract
1.				
2.				
3.				
4.				
5.				

Owner's Name (of project listed above)	Project Address	Contact Person	Phone Number
1.			
2.			
3.			
4.			
5.			

Has Bidder ever been found guilty of violating any State or Federal employment laws? No Yes
If yes, give details & attach additional pages as necessary:

Has Bidder ever filed for protection under any provision of the federal bankruptcy laws or state insolvency laws?
 No Yes If yes, give details & attach additional pages as necessary:

CERTIFICATE OF INSURANCE

DATE(MM/DD/YY)

Issue Date

PRODUCER Vendor's Insurance Agent Street Address City, State, Zip Phone Number	<p>THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.</p> <p style="text-align: center;">COMPANIES AFFORDING COVERAGE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: center;">COMPANY A</td> <td>ABC Insurance Company</td> </tr> </table>	COMPANY A	ABC Insurance Company
COMPANY A	ABC Insurance Company		

INSURED Vendor Name Street Address City, State, Zip	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: center;">COMPANY B</td> <td>DEF Insurance Company</td> </tr> <tr> <td style="width: 15%; text-align: center;">COMPANY C</td> <td>GHI Insurance Company</td> </tr> <tr> <td style="width: 15%; text-align: center;">COMPANY D</td> <td></td> </tr> </table>	COMPANY B	DEF Insurance Company	COMPANY C	GHI Insurance Company	COMPANY D	
COMPANY B	DEF Insurance Company						
COMPANY C	GHI Insurance Company						
COMPANY D							

COVERAGES

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A	GENERAL LIABILITY	XXX123	01/01/00	01/01/01	GENERAL AGGREGATE	2,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY				PRODUCTS-COMP/OP AGG	1,000,000
	<input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR				PERSONAL & ADV INJURY	1,000,000
	<input type="checkbox"/> OWNER'S & CONTRACTOR'S PROT				EACH OCCURRENCE	1,000,000
					FIRE DAMAGE (Any one fire)	50,000
					MED EXP (Any one person)	5,000
B	AUTOMOBILE LIABILITY	XXX456	01/01/00	01/01/01	COMBINED SINGLE LIMIT	1,000,000
	<input checked="" type="checkbox"/> ANY AUTO				BODILY INJURY (Per person)	
	<input type="checkbox"/> ALL OWNED AUTOS				BODILY INJURY (Per accident)	
	<input type="checkbox"/> SCHEDULED AUTOS				PROPERTY DAMAGE	
<input checked="" type="checkbox"/> HIRED AUTOS						
<input type="checkbox"/> NON-OWNED AUTOS						
	GARAGE LIABILITY				AUTO ONLY-EA ACCIDENT	
	<input type="checkbox"/> ANY AUTO				OTHER THAN AUTO ONLY:	
					EACH ACCIDENT	
					AGGREGATE	
	EXCESS LIABILITY				EACH OCCURRENCE	
	<input type="checkbox"/> UMBRELLA FORM				AGGREGATE	
	<input type="checkbox"/> OTHER THAN UMBRELLA FORM					
C	WORKERS' COMPENSATION AND EMPLOYER'S LIABILITY	XXX789	01/01/00	01/01/01	<input checked="" type="checkbox"/> STATUTORY LIMITS	
	THE PROPRIETOR/ PARTNERS/EXECUTIVE OFFICERS ARE: <input type="checkbox"/> INCL <input type="checkbox"/> EXCL				EACH ACCIDENT	1,000,000
					DISEASE-POLICY LIMIT	1,000,000
					DISEASE-EACH EMPLOYEE	1,000,000
OTHER						

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

Greystar Real Estate Partners, LLC and King County Housing Authority are named as additional insureds with respect to above general liability and auto coverages. DW2300231
Re: Insured's work/services provided at Bellepark East Apartments located at 16241 NE 13th Pl., Bellevue, WA 98008

CERTIFICATE HOLDER Greystar Real Estate Partners, LLC and King County Housing Authority 600 Andover Park West Seattle, WA 98188-3326	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES. AUTHORIZED REPRESENTATIVE Signature of Insured's Agent
---	---

PROVIDE

**GENERAL LIABILITY
ENDORSEMENT**

and

**AUTO LIABILITY
ENDORSEMENT**



Limited Good Faith Asbestos Inspection

"Bellepark East"
16241 NE 13th Place
Bellevue, WA 98008



Prepared For
Mr. Hugh Watkinson
King County Housing Authority
600 Andover Park W
Tukwila, WA 98188

Project Number	2019-0936
Inspection Date	November 22 & 25, 2019
Report Date	November 27, 2019
Inspected By	Derrick Gallard / Tanveer Khan
AHERA Certification	# 175015 / # 172872
Certification Expiration Date	October 8, 2020 / April 24, 2020

TABLE OF CONTENTS

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3.0	LABORATORY INFORMATION	6
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6.0	CONCLUSIONS AND RECOMMENDATIONS	21-28
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APPENDICIES

- A** Sample Locations (Floor Plan)
- B** Laboratory Analysis Results
- C** AHERA Certification & Laboratory Qualifications

1.0 SCOPE OF WORK

A Limited Good Faith Asbestos Inspection was conducted at the "Bellepark East" apartments located at 16241 NE 13th Place, Bellevue, WA 98008 on November 22 & 25, 2019.

Derrick Gallard and Tanveer Khan (AHERA Building Inspectors), conducted this inspection at the request of Mr. Hugh Watkinson of King County Housing Authority.

The purpose of this inspection was to identify asbestos containing building materials which would be impacted by the planned window replacement project on the 10 apartment buildings (bldg. A - bldg. K).

Due to occupancy, destructive sampling methods were not utilized during this inspection. No soft/limited demolition was performed during this inspection. Hidden materials may exist within the structures, and all suspect materials must be treated as asbestos containing until testing proves otherwise.

This inspection constitutes a survey of accessible suspect ACM in the project area and was conducted in accordance with:

The National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 Code of Federal Regulations (CFR) Part 61, Subpart M requires a survey by an accredited asbestos inspector prior to demolition of a structure.

This asbestos survey also satisfies the requirements for "Good Faith" inspection outlined in Washington Administrative Code (WAC) 296-62-07721 (2) Communication of hazards, which requires the owner of a structure to provide contractors with a written report identifying the asbestos-containing materials expected to be disturbed during renovation or demolition.

The asbestos survey section is written to comply with the AHERA asbestos sampling procedure as stated in 40 CFR 763.86. This protocol is required under the Puget Sound Clean Air Agency (PSCAA Regulation III, Article IV, rev. March 26, 2009) for all asbestos surveys prior to a building demolition.

A floor plan indicating locations of samples collected by NVL personnel has been included in **Appendix A**.

2.0 INSPECTION METHOD

Asbestos Inspection Method

The NVL Labs field inspector is an Asbestos Building Inspector, certified under the requirements of the United States Environmental Protection Agency (EPA) Asbestos Hazard Emergency Response Act (AHERA) regulation 40 CFR 763, Subpart E. A copy of his certificate is provided in Appendix C.

The AHERA Guidelines dictate the following:

The inspector must determine *homogenous areas*, which are defined as an area of Thermal System Insulation, Surfacing Material, or Miscellaneous Material that is uniform in texture and color.

Once homogenous areas have been determined, the inspector must determine whether or not material is friable or non-friable. **Friable** is defined as a material, that when dry, can be crushed, pulverized, or reduced to dust using hand pressure, and **non-friable** material is defined as a material, that when dry, *cannot* be crushed pulverized or reduced to dust using hand pressure. Materials normally defined as non-friable can become friable by definition if sufficiently damaged.

Once friability has been determined, the materials suspected of containing asbestos are divided into one of three categories: Thermal System Insulation (TSI), Surfacing Material (SM), or Miscellaneous Material (MM). Generally speaking, TSI and SM are considered to be friable, with the exception of TSI where the structural integrity of the insulation is intact and the protective out wrap is undamaged.

Once materials are divided into one of the categories, samples are collected in the following manner:

Friable Thermal System Insulation:

1. Inspector shall collect three (3) randomly distributed samples;
2. Inspector shall collect a minimum of one sample of each TSI materials that appears to have been used as a patch, as long as the patch is less than 6 linear feet / 6 square feet;
3. Inspector shall collect in a manner sufficient, samples from areas of TSI applied to fittings, tees, and joints.

Friable Surfacing Material:

1. Inspector shall collect samples in random manner of surfacing materials as follows:
 - a. Collect three bulk samples from an area believed to be homogeneous (defined as a material that appears to be the same or similar and was installed at the same time) that is 1,000 square feet or less in size;
 - b. Collect five bulk samples from an area believed to be homogeneous that is greater than 1,000 square feet in size, but less than 5,000 square feet in size;
 - c. Collect seven bulk samples from an area believed to be homogeneous that is greater than 5,000 square feet.

2.0 INSPECTION METHOD (continued)

Miscellaneous Materials:

1. Inspector shall collect samples in a manner and number sufficient to determine if the material is asbestos-containing or not.

All Materials Determined to Be Non-Friable:

1. Inspector shall collect samples in a manner and number sufficient to determine if the material is asbestos containing or not.

In addition to these sampling requirements, the AHERA Building Inspector is required to assess the following of each material that is found to be positive for asbestos:

1. The condition of each material;
2. Accessibility;
3. Possibility for air erosion.

Once the samples have been collected, they must be analyzed by an accredited laboratory, and they must be analyzed using polarized light microscopy methods, commonly referred to as EPA Method 600/R-93/116.

NVL Labs collected samples and obtained analytical data for suspect asbestos-containing materials identified in the building. Once collected, each bulk sample was sealed in an unadulterated plastic bag to eliminate the possibility of cross-contamination. "Chain-of-Custody" tracking was followed to maintain sample integrity during handling and data reporting at NVL Labs.

A walk-through inspection of all accessible areas of the space was performed to identify suspect asbestos-containing materials. This inspection included a review of the internal and external aspects of this structure. The locations and types of potential asbestos-containing materials were noted.

Homogeneous Materials

Homogeneous materials are defined as an area of asbestos-containing material or presumed asbestos-containing material which appears similar throughout in terms of color, texture, and date of material application. The report listing for homogenous materials will appear as follows:

Sample Number	Material Description by Layer	Location	Asbestos	Quantity	Friable
#	Layer 1 is not asbestos-containing Layer 2 is asbestos-containing	Location description	1. % 2. %	"X" LF/ft ²	Yes/No

3.0 LABORATORY INFORMATION

Laboratory Analysis: Asbestos

In accordance with 40 CFR Chapter 1 (7-01-07 Edition) Part 763, Subpart E, Appendix E, asbestos samples are analyzed at NVL Labs using polarized light microscopy (PLM) with dispersion staining. If samples are not homogeneous, then sub-samples of the components are analyzed separately. All bulk samples are analyzed using EPA Method 600/R-93/116 with the following measurement uncertainties for reported % asbestos: 1%=0-3%, 5%≥1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%. Only materials containing more than 1% total asbestos were classified as "asbestos-containing" based on EPA, state, and local regulations.

Findings for samples containing more than one separable layer of materials are reported for each layer. The asbestos concentration in the sample is determined by visual estimation.

NVL Labs is accredited by the National Institute of Standards and Technology (NIST) under the National Volunteer Laboratory Accreditation Program (NVLAP) program for bulk asbestos fiber analysis; *NVLAP Lab Code 102063-0*

Laboratory Accreditation

Professional accreditations for NVL Laboratories, Inc. include the following:

NVL Laboratories, Inc. is currently accredited by the National Institute of Standards and Technology (NIST) under the National Volunteer Laboratory Accreditation Program (NVLAP) program for bulk asbestos fiber analysis.

NVLAP Lab Code 102063-0

NVL Laboratories, Inc. is approved by the American Industrial Hygiene Association (AIHA) Asbestos Analysts Registry (AAR) program for airborne asbestos fiber analysis.

AAR Counter ID 7412

NVL Laboratories, Inc. is currently accredited by the American Industrial Hygiene Association (AIHA) under the Industrial Hygiene Laboratory Accreditation Program (IHLAP). The IHLAP program is designed specifically for laboratories involved in analyzing samples to evaluate workplace exposure.

IHLAP Certification Number 563

4.0 BUILDING DESCRIPTION

Parcel Number	262505-9021
Year of Construction	1968
Building Square Footage	111, 950 ft ²
County	King

General Building Type The property consists of 10 detached apartment buildings and an office building of traditional wood framed construction.

Primary External Components The exterior of the buildings has wood siding.

Foundation Type The foundation was not part of this inspection.

Roofing Material(s) The roof was not part of this inspection.

Window Type(s) The buildings have vinyl framed windows with caulking.

Flooring The flooring was not part of this inspection.

Thermal Systems With Insulation The heating system was not part of this inspection.

Finishing The buildings are finished with drywall and popcorn textured ceilings.

5.0 FINDINGS

Inventory of Suspect Asbestos-Containing Building Materials

Building A

Sample Number	Material Description by Layer	Location	Asbestos	Quantity **	Friable*
2019-0936-A-1-1	Popcorn textured ceiling	Unit A101 - bedroom	6%	5320 ft ²	Yes
2019-0936-A-1-2	Not Analyzed	Unit A102 - living room	Not Analyzed		
2019-0936-A-1-3	Not Analyzed	Unit A201 - bedroom	Not Analyzed		
2019-0936-A-1-4	Not Analyzed	Unit A202 - living room	Not Analyzed		
2019-0936-A-1-5	Not Analyzed	Unit A103 - bedroom	Not Analyzed		
2019-0936-A-1-6	Not Analyzed	Unit A104 -bedroom	Not Analyzed		
2019-0936-A-1-7	Not Analyzed	Unit A204 - kitchen	Not Analyzed		
2019-0936-A-1-8	1: Joint compound with paint 2: Drywall	Unit A101 - living room	1: 2% 2: ND	560 LF	Yes
2019-0936-A-1-9	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit A102 - bedroom	1: 2% 2: 2% 3: ND		
2019-0936-A-1-10	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit A201 - living room	1: 2% 2: 2% 3: ND		
2019-0936-A-1-11	1: Joint compound with paint 2: Drywall	Unit A202 - bedroom	1: 2% 2: ND		
2019-0936-A-1-12	1: Joint compound with paint 2: Joint compound with paint 3: Drywall	Unit A103 - kitchen	1: 2%		
2019-0936-A-1-13		Unit A104 - living room	2: 2%		
2019-0936-A-1-14		Unit A204 - bedroom	3: ND		
2019-0936-A-3-1	White window caulking with paint	Unit A102 - kitchen	ND		
2019-0936-A-3-2	White window caulking with paint	Unit A204 - living room	ND		
2019-0936-A-3-3	White window caulking with paint	Unit A104 - exterior	ND		

ND None Detected

* The friability of this material was determined at the time of this inspection. Subsequent activities such as demolition, renovation, or abatement may affect the friability of this material.

** These quantities are only an estimate of the asbestos containing material discovered on site. Accuracy of these estimates must be verified by the asbestos abatement contractor on site.

5.0 FINDINGS (continued)

Building B

Sample Number	Material Description by Layer	Location	Asbestos	Quantity **	Friable*
2019-0936-B-1-1	Popcorn textured ceiling	Unit B101 - bedroom	6%	6415 ft ²	Yes
2019-0936-B-1-2	Not Analyzed	Unit B201 - bedroom	Not Analyzed		
2019-0936-B-1-3	Not Analyzed	Unit B202 - living room	Not Analyzed		
2019-0936-B-1-4	Not Analyzed	Unit B103 - bedroom	Not Analyzed		
2019-0936-B-1-5	Not Analyzed	Unit B104 - bedroom	Not Analyzed		
2019-0936-B-1-6	Not Analyzed	Unit B203 - living room	Not Analyzed		
2019-0936-B-1-7	Not Analyzed	Unit B204 - bedroom	Not Analyzed		
2019-0936-B-1-8	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit B101 - living room	1: 2% 2: <1% 3: ND	800 LF	Yes
2019-0936-B-1-9	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit B201 - living room	1: 4% 2: <1% 3: ND		
2019-0936-B-1-10	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit B202 - bedroom	1: 3% 2: <1% 3: ND		
2019-0936-B-1-11	1: Joint compound with paint 2: Joint compound 3: Joint compound 4: Drywall	Unit B103 - living room	1: 2% 2: <1% 3: ND 4: ND		
2019-0936-B-1-12	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit B104 - living room	1: 4% 2: ND 3: ND		
2019-0936-B-1-13	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit B203 - bedroom	1: 3% 2: <1% 3: ND		
2019-0936-B-1-14	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit B204 - bedroom	1: 4% 2: ND 3: ND		

ND

None Detected

*

The friability of this material was determined at the time of this inspection. Subsequent activities such as demolition, renovation, or abatement may affect the friability of this material.

**

These quantities are only an estimate of the asbestos containing material discovered on site. Accuracy of these estimates must be verified by the asbestos abatement contractor on site.

NVL Laboratories, Inc.
 4708 Aurora Ave N
 Seattle, WA 98103

Phone (206) 547-0100 • Fax (206) 634-1936

5.0 FINDINGS (continued)

Building B

Sample Number	Material Description by Layer	Location	Asbestos	Quantity **	Friable*
2019-0936-B-3-1	1: White window caulking with paint 2: White window caulking with paint	Unit B201 - bedroom	1: ND 2: ND		
2019-0936-B-3-2	White window caulking with paint	Unit B104 - bedroom	ND		
2019-0936-B-3-3	White / brown window caulking / paint	Unit B104 - exterior	ND		

Building C

Sample Number	Material Description by Layer	Location	Asbestos	Quantity **	Friable*
2019-0936-C-1-1	Popcorn textured ceiling	Unit C101 - living room	8%	6780 ft ²	Yes
2019-0936-C-1-2	Not Analyzed	Unit C102 - bedroom	Not Analyzed		
2019-0936-C-1-3	Not Analyzed	Unit C201 - living room	Not Analyzed		
2019-0936-C-1-4	Not Analyzed	Unit C103 - bedroom	Not Analyzed		
2019-0936-C-1-5	Not Analyzed	Unit C104 - living room	Not Analyzed		
2019-0936-C-1-6	Not Analyzed	Unit C203 - bedroom	Not Analyzed		
2019-0936-C-1-7	Not Analyzed	Unit C204 - living room	Not Analyzed		
2019-0936-C-1-8	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit C101 - bedroom	1: ND 2: ND 3: ND	400 LF	Yes
2019-0936-C-1-9	1: Joint compound with paint 2: Joint compound with paint 3: Joint compound 4: Drywall	Unit C102 - living room	1: ND 2: <1% 3: <1% 4: ND		
2019-0936-C-1-10	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit C201 - bedroom	1: 2% 2: <1% 3: ND		
2019-0936-C-1-11	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit C103 - living room	1: 2% 2: ND 3: ND		

ND None Detected

* The friability of this material was determined at the time of this inspection. Subsequent activities such as demolition, renovation, or abatement may affect the friability of this material.

** These quantities are only an estimate of the asbestos containing material discovered on site. Accuracy of these estimates must be verified by the asbestos abatement contractor on site.

5.0 FINDINGS (continued)

Building C

Sample Number	Material Description by Layer	Location	Asbestos	Quantity **	Friable*
2019-0936-C-1-12	1: Joint compound with paint 2: Joint compound with paint 3: Drywall	Unit C104 - bedroom	1: ND 2: 3% 3: ND	400 LF	Yes
2019-0936-C-1-13	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit C203 - living room	1: 2% 2: ND 3: ND		
2019-0936-C-1-14	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit C204 - bedroom	1: 2% 2: ND 3: ND		
2019-0936-C-3-1	White window caulking with paint	Unit C101 - bedroom	ND		
2019-0936-C-3-2	1: White window caulking with paint 2: White window caulking with paint	Unit C201 - bedroom	1: ND 2: ND		
2019-0936-C-3-3	1: Brown window caulking with paint 2: Brown material with adhesive	Unit C104 - exterior	1: ND 2: ND		

Building D

Sample Number	Material Description by Layer	Location	Asbestos	Quantity **	Friable*
2019-0936-D-1-1	Popcorn textured ceiling	Unit D101 - living room	5%	6880 ft ²	Yes
2019-0936-D-1-2	Not Analyzed	Unit D102 - bedroom	Not Analyzed		
2019-0936-D-1-3	Not Analyzed	Unit D202 - living room	Not Analyzed		
2019-0936-D-1-4	Not Analyzed	Unit D103 - living room	Not Analyzed		
2019-0936-D-1-5	Not Analyzed	Unit D104 - bedroom	Not Analyzed		
2019-0936-D-1-6	Not Analyzed	Unit D203 - bedroom	Not Analyzed		
2019-0936-D-1-7	Not Analyzed	Unit D204 - living room	Not Analyzed		

ND None Detected

* The friability of this material was determined at the time of this inspection. Subsequent activities such as demolition, renovation, or abatement may affect the friability of this material.

** These quantities are only an estimate of the asbestos containing material discovered on site. Accuracy of these estimates must be verified by the asbestos abatement contractor on site.

5.0 FINDINGS (continued)

Building D

Sample Number	Material Description by Layer	Location	Asbestos	Quantity **	Friable*
2019-0936-D-1-8	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit D101 - bedroom	1: 2% 2: <1% 3: ND	800 LF	Yes
2019-0936-D-1-9	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit D102 - living room	1: 2% 2: 2% 3: ND		
2019-0936-D-1-10	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit D202 - bedroom	1: 2% 2: <1% 3: ND		
2019-0936-D-1-11	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit D103 - bedroom	1: 2% 2: <1% 3: ND		
2019-0936-D-1-12	1: Joint compound with paint 2: Drywall	Unit D104 - living room	1: 2% 2: ND		
2019-0936-D-1-13	1: Joint compound with paint 2: Drywall	Unit D203 - living room	1: 3% 2: ND		
2019-0936-D-1-14	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit D204 - bedroom	1: 3% 2: 2% 3: ND		
2019-0936-D-3-1	White window caulking with paint	Unit D101 - bedroom	ND		
2019-0936-D-3-2	White window caulking with paint	Unit D202 - living room	ND		
2019-0936-D-3-3	Brown window caulking with paint	Unit D104 - exterior	ND		

ND None Detected

* The friability of this material was determined at the time of this inspection. Subsequent activities such as demolition, renovation, or abatement may affect the friability of this material.

** These quantities are only an estimate of the asbestos containing material discovered on site. Accuracy of these estimates must be verified by the asbestos abatement contractor on site.

5.0 FINDINGS (continued)

Building E

Sample Number	Material Description by Layer	Location	Asbestos	Quantity **	Friable*
2019-0936-E-1-1	Popcorn textured ceiling	Unit E101 - bedroom	5%	27,930 ft ²	Yes
2019-0936-E-1-2	Not Analyzed	Unit E105 - living room	Not Analyzed		
2019-0936-E-1-3	Not Analyzed	Unit E107 - bedroom	Not Analyzed		
2019-0936-E-1-4	Not Analyzed	Unit E108 - living room	Not Analyzed		
2019-0936-E-1-5	Not Analyzed	Unit E201 - bedroom	Not Analyzed		
2019-0936-E-1-6	Not Analyzed	Unit E206 - living room	Not Analyzed		
2019-0936-E-1-7	Not Analyzed	Unit E311 - bedroom	Not Analyzed		
2019-0936-E-1-8	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit E101 - living room	1: 2% 2: 2% 3: ND	2940 LF	Yes
2019-0936-E-1-9	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit E105 - bedroom	1: 2% 2: ND 3: ND		
2019-0936-E-1-10	1: Joint compound with paint 2: Drywall	Unit E107 - living room	1: 2% 2: ND		
2019-0936-E-1-11	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit E108 - bedroom	1: 2% 2: 2% 3: ND		
2019-0936-E-1-12	1: Joint compound with paint 2: Drywall	Unit E201 - living room	1: 2% 2: ND		
2019-0936-E-1-13	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit E206 - bedroom	1: 3% 2: 2% 3: ND		
2019-0936-E-1-14	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit E311 - living room	1: 2% 2: 2% 3: ND		

ND None Detected

* The friability of this material was determined at the time of this inspection. Subsequent activities such as demolition, renovation, or abatement may affect the friability of this material.

** These quantities are only an estimate of the asbestos containing material discovered on site. Accuracy of these estimates must be verified by the asbestos abatement contractor on site.

5.0 FINDINGS (continued)

Building E

Sample Number	Material Description by Layer	Location	Asbestos	Quantity **	Friable*
2019-0936-E-3-1	White window caulking with paint	Unit E105 - living room	ND		
2019-0936-E-3-2	White window caulking with paint	Unit E201 - living room	ND		
2019-0936-E-3-3	White window caulking with paint	Unit E311 - living room	ND		
2019-0936-E-3-4	White window caulking with paint	Exterior	ND		

Building F & G

Sample Number	Material Description by Layer	Location	Asbestos	Quantity **	Friable*
2019-0936-FG-1-1	Popcorn textured ceiling	Unit F102 - bedroom	4%	10, 320 ft ²	Yes
2019-0936-FG-1-2	Not Analyzed	Unit F201 - living room	Not Analyzed		
2019-0936-FG-1-3	Not Analyzed	Unit F103 - bedroom	Not Analyzed		
2019-0936-FG-1-4	Not Analyzed	Unit F203 - living room	Not Analyzed		
2019-0936-FG-1-5	Not Analyzed	Unit G203 - bedroom	Not Analyzed		
2019-0936-FG-1-6	Not Analyzed	Unit G101 - living room	Not Analyzed		
2019-0936-FG-1-7	Not Analyzed	Unit G201 - bedroom	Not Analyzed		
2019-0936-FG-1-8	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit F102 - living room	1: ND 2: ND 3: ND	600 LF	Yes
2019-0936-FG-1-9	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit F201 - bedroom	1: 3% 2: 2% 3: ND		
2019-0936-FG-1-10	1: Joint compound with paint 2: Joint compound with paint 3: Joint compound 4: Drywall	Unit F103 - living room	1: ND 2: 2% 3: 2% 4: ND		
2019-0936-FG-1-11	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit F203 - bedroom	1: 3% 2: 2% 3: ND		

ND None Detected

* The friability of this material was determined at the time of this inspection. Subsequent activities such as demolition, renovation, or abatement may affect the friability of this material.

** These quantities are only an estimate of the asbestos containing material discovered on site. Accuracy of these estimates must be verified by the asbestos abatement contractor on site.

5.0 FINDINGS (continued)

Building F & G

Sample Number	Material Description by Layer	Location	Asbestos	Quantity **	Friable*
2019-0936-FG-1-12	1: Joint compound with paint 2: Joint compound with paint 3: Joint compound 4: Drywall	Unit G203 - living room	1: ND 2: 2% 3: 2% 4: ND	600 LF	Yes
2019-0936-FG-1-13	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit G101 - bedroom	1: ND 2: ND 3: ND		
2019-0936-FG-1-14	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit G201 - bedroom	1: 3% 2: 2% 3: ND		
2019-0936-FG-3-1	White window caulking with paint	Unit F102 - bedroom	ND		
2019-0936-FG-3-2	White window caulking with paint	Unit G203 - bedroom	ND		
2019-0936-FG-3-3	Brown window caulking with paint	Unit G101 - exterior	ND		

Building H

Sample Number	Material Description by Layer	Location	Asbestos	Quantity **	Friable*
2019-0936-H-1-1	Popcorn textured ceiling	Unit H103 - living room	4%	6880 ft ²	Yes
2019-0936-H-1-2	Not Analyzed	Unit H203 - bedroom	Not Analyzed		
2019-0936-H-1-3	Not Analyzed	Unit H204 - living room	Not Analyzed		
2019-0936-H-1-4	Not Analyzed	Unit H101 - bedroom	Not Analyzed		
2019-0936-H-1-5	Not Analyzed	Unit H102 - living room	Not Analyzed		
2019-0936-H-1-6	Not Analyzed	Unit H201 - bedroom	Not Analyzed		
2019-0936-H-1-7	Not Analyzed	Unit H202 - living room	Not Analyzed		

ND None Detected

* The friability of this material was determined at the time of this inspection. Subsequent activities such as demolition, renovation, or abatement may affect the friability of this material.

** These quantities are only an estimate of the asbestos containing material discovered on site. Accuracy of these estimates must be verified by the asbestos abatement contractor on site.

5.0 FINDINGS (continued)

Building H

Sample Number	Material Description by Layer	Location	Asbestos	Quantity **	Friable*
2019-0936-H-1-8	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit H103 - bedroom	1: 2% 2: 2% 3: ND	800 LF	Yes
2019-0936-H-1-9	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit H203 - living room	1: 2% 2: 2% 3: ND		
2019-0936-H-1-10	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit H204 - bedroom	1: 2% 2: 2% 3: ND		
2019-0936-H-1-11	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit H101 - living room	1: 2% 2: 2% 3: ND		
2019-0936-H-1-12	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit H102 - bedroom	1: 3% 2: 2% 3: ND		
2019-0936-H-1-13	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit H201 - living room	1: 2% 2: 2% 3: ND		
2019-0936-H-1-14	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit H202 - bedroom	1: 2% 2: 2% 3: ND		
2019-0936-H-3-1	White window caulking with paint	Unit H103 - bedroom	ND		
2019-0936-H-3-2	White window caulking with paint	Unit H201 - bedroom	ND		
2019-0936-H-3-3	Brown window caulking with paint	Unit H102 - exterior	ND		

ND None Detected

* The friability of this material was determined at the time of this inspection. Subsequent activities such as demolition, renovation, or abatement may affect the friability of this material.

** These quantities are only an estimate of the asbestos containing material discovered on site. Accuracy of these estimates must be verified by the asbestos abatement contractor on site.

5.0 FINDINGS (continued)

Building I

Sample Number	Material Description by Layer	Location	Asbestos	Quantity **	Friable*
2019-0936-I-1-1	Popcorn textured ceiling	Unit I104 - bedroom	3%	6880 ft ²	Yes
2019-0936-I-1-2	Not Analyzed	Unit I103 - living room	Not Analyzed		
2019-0936-I-1-3	Not Analyzed	Unit I203 - living room	Not Analyzed		
2019-0936-I-1-4	Not Analyzed	Unit I204 - bedroom	Not Analyzed		
2019-0936-I-1-5	Not Analyzed	Unit I102 - living room	Not Analyzed		
2019-0936-I-1-6	Not Analyzed	Unit I101 - bedroom	Not Analyzed		
2019-0936-I-1-7	Not Analyzed	Unit I201 - living room	Not Analyzed		
2019-0936-I-1-8	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit I104 - living room	1: 3% 2: 2% 3: ND	800 LF	Yes
2019-0936-I-1-9	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit I103 - bedroom	1: 2% 2: 2% 3: ND		
2019-0936-I-1-10	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit I203 - bedroom	1: 2% 2: 2% 3: ND		
2019-0936-I-1-11	1: Joint compound with paint 2: Joint compound with paint 3: Joint compound 4: Drywall	Unit I204 - living room	1: ND 2: 2% 3: 2% 4: ND		
2019-0936-I-1-12	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit I102 - bedroom	1: 3% 2: 2% 3: ND		
2019-0936-I-1-13	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit I101 - living room	1: 2% 2: 2% 3: ND		
2019-0936-I-1-14	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit I201 - bedroom	1: 2% 2: 2% 3: ND		

ND

None Detected

*

The friability of this material was determined at the time of this inspection. Subsequent activities such as demolition, renovation, or abatement may affect the friability of this material.

**

These quantities are only an estimate of the asbestos containing material discovered on site. Accuracy of these estimates must be verified by the asbestos abatement contractor on site.

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5.0 FINDINGS (continued)

Building I

Sample Number	Material Description by Layer	Location	Asbestos	Quantity **	Friable*
2019-0936-I-3-1	White window caulking with paint	Unit I104 - bedroom	ND		
2019-0936-I-3-2	White window caulking	Unit I203 - bedroom	ND		
2019-0936-I-3-3	Brown window caulking with paint	Unit I101 - exterior	ND		

Building J

Sample Number	Material Description by Layer	Location	Asbestos	Quantity **	Friable*
2019-0936-J-1-1	Popcorn textured ceiling	Unit J104 - bedroom	4%	6880 ft ²	Yes
2019-0936-J-1-2	Not Analyzed	Unit J103 - living room	Not Analyzed		
2019-0936-J-1-3	Not Analyzed	Unit J204 - living room	Not Analyzed		
2019-0936-J-1-4	Not Analyzed	Unit J204 - bedroom	Not Analyzed		
2019-0936-J-1-5	Not Analyzed	Unit J101 - living room	Not Analyzed		
2019-0936-J-1-6	Not Analyzed	Unit J102 - bedroom	Not Analyzed		
2019-0936-J-1-7	Not Analyzed	Unit J201 - living room	Not Analyzed		
2019-0936-J-1-8	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit J104 - living room	1: 2% 2: 2% 3: ND	400 LF	Yes
2019-0936-J-1-9	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit J103 - bedroom	1: 2% 2: 2% 3: ND		
2019-0936-J-1-10	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit J204 - bedroom	1: 2% 2: 3% 3: ND		
2019-0936-J-1-11	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit J204 - living room	1: 2% 2: 2% 3: ND		

ND None Detected

* The friability of this material was determined at the time of this inspection. Subsequent activities such as demolition, renovation, or abatement may affect the friability of this material.

** These quantities are only an estimate of the asbestos containing material discovered on site. Accuracy of these estimates must be verified by the asbestos abatement contractor on site.

5.0 FINDINGS (continued)

Building J

Sample Number	Material Description by Layer	Location	Asbestos	Quantity **	Friable*
2019-0936-J-1-12	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit J101 - bedroom	1: 2% 2: 2% 3: ND	400 LF	Yes
2019-0936-J-1-13	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit J102 - living room	1: 2% 2: 2% 3: ND		
2019-0936-J-1-14	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit J201 - bedroom	1: 2% 2: 2% 3: ND		
2019-0936-J-3-1	White window caulking with paint	Unit J104 - bedroom	ND		
2019-0936-J-3-2	1: White window caulking 2: White window caulking with paint	Unit J204 - bedroom	1: ND 2: ND		
2019-0936-J-3-3	Brown window caulking with paint	Unit J103 - exterior	ND		

Building K

Sample Number	Material Description by Layer	Location	Asbestos	Quantity **	Friable*
2019-0936-K-1-1	Popcorn textured ceiling	Unit K103 - bedroom	5%	4655 ft ²	Yes
2019-0936-K-1-2	Not Analyzed	Unit K204 - kitchen	Not Analyzed		
2019-0936-K-1-3	Not Analyzed	Unit K204 - bedroom	Not Analyzed		
2019-0936-K-1-4	Not Analyzed	Unit K203 - living room	Not Analyzed		
2019-0936-K-1-5	Not Analyzed	Unit K101 - bedroom	Not Analyzed		
2019-0936-K-1-6	Not Analyzed	Unit K201 - living room	Not Analyzed		
2019-0936-K-1-7	Not Analyzed	Unit K202 - bedroom	Not Analyzed		

ND None Detected

* The friability of this material was determined at the time of this inspection. Subsequent activities such as demolition, renovation, or abatement may affect the friability of this material.

** These quantities are only an estimate of the asbestos containing material discovered on site. Accuracy of these estimates must be verified by the asbestos abatement contractor on site.

5.0 FINDINGS (continued)

Building K

Sample Number	Material Description by Layer	Location	Asbestos	Quantity **	Friable*
2019-0936-K-1-8	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit K103 - living room	1: 2% 2: 2% 3: ND	560 LF	Yes
2019-0936-K-1-9	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit K204 - bedroom	1: 3% 2: 2% 3: ND		
2019-0936-K-1-10	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit K204 - living room	1: <1% 2: 3% 3: ND		
2019-0936-K-1-11	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit K203 - bedroom	1: 2% 2: 2% 3: ND		
2019-0936-K-1-12	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit K101 - living room	1: 2% 2: <1% 3: ND		
2019-0936-K-1-13	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit K201 - bedroom	1: 3% 2: 2% 3: ND		
2019-0936-K-1-14	1: Joint compound with paint 2: Joint compound 3: Drywall	Unit K202 - kitchen	1: 3% 2: <1% 3: ND		
2019-0936-K-3-1	White window caulking with paint	Unit K204 - kitchen	ND		
2019-0936-K-3-2	White window caulking with paint	Unit K202 - living room	ND		
2019-0936-K-3-3	Brown window caulking with paint	Unit K101 - exterior	ND		

ND

None Detected

*

The friability of this material was determined at the time of this inspection. Subsequent activities such as demolition, renovation, or abatement may affect the friability of this material.

**

These quantities are only an estimate of the asbestos containing material discovered on site. Accuracy of these estimates must be verified by the asbestos abatement contractor on site.

Any suspect material(s) not identified above should not be disturbed and should be tested immediately. All suspect materials must be treated as asbestos-containing until testing proves otherwise.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The following is an inventory of asbestos-containing building materials identified during the Limited Good Faith Asbestos Inspection at the Bellepark East apartments, Bellevue, WA:

Building A

1. Popcorn ceiling texture (Friable)

Sample numbers: 2019-0936-A-1-1 to 1-7



There is approximately 5320 square feet of asbestos-containing popcorn ceiling texture located in the living rooms, bedrooms & halls of each unit.

2. Joint compound with paint (Friable)

Sample numbers: 2019-0936-A-1-8 to 1-14



There is approximately 560 linear feet of asbestos-containing joint compound with paint associated with the interior GWB walls that would be impacted during the renovation.

Building B

3. Popcorn ceiling texture (Friable)

Sample numbers: 2019-0936-B-1-1 to 1-7



There is approximately 6415 square feet of asbestos-containing popcorn ceiling texture located in the living rooms, bedrooms & halls of each unit.

6.0 CONCLUSIONS AND RECOMMENDATIONS (continued)

Building B

4. **Joint compound with paint (Friable)**
Sample numbers: 2019-0936-B-1-8 to 1-14



There is approximately 800 linear feet of asbestos-containing joint compound with paint associated with the interior GWB walls that would be impacted during the renovation.

Building C

5. **Popcorn ceiling texture (Friable)**
Sample numbers: 2019-0936-C-1-1 to 1-7



There is approximately 6780 square feet of asbestos-containing popcorn ceiling texture located in the living rooms, bedrooms & halls of each unit.

6. **Joint compound with paint (Friable)**
Sample numbers: 2019-0936-C-1-9 to 1-14



There is approximately 800 linear feet of asbestos-containing joint compound with paint associated with the interior GWB walls that would be impacted during the renovation.

6.0 CONCLUSIONS AND RECOMMENDATIONS (continued)

Building D

7. **Popcorn ceiling texture (Friable)**
Sample numbers: 2019-0936-D-1-1 to 1-7



There is approximately 6880 square feet of asbestos-containing popcorn ceiling texture located in the living rooms, bedrooms & halls of each unit.

8. **Joint compound with paint (Friable)**
Sample numbers: 2019-0936-D-1-8 to 1-14



There is approximately 800 linear feet of asbestos-containing joint compound with paint associated with the interior GWB walls that would be impacted during the renovation.

Building E

9. **Popcorn ceiling texture (Friable)**
Sample numbers: 2019-0936-E-1-1 to 1-7



There is approximately 27,930 square feet of asbestos-containing popcorn ceiling texture located in the living rooms, bedrooms & halls of each unit.

6.0 CONCLUSIONS AND RECOMMENDATIONS (continued)

Building E

10. Joint compound with paint (Friable)

Sample numbers: 2019-0936-E-1-8 to 1-14



There is approximately 2940 linear feet of asbestos-containing joint compound with paint associated with the interior GWB walls that would be impacted during the renovation.

Building F & G

11. Popcorn ceiling texture (Friable)

Sample numbers: 2019-0936-FG-1-1 to 1-7



There is approximately 10,320 square feet of asbestos-containing popcorn ceiling texture located in the living rooms, bedrooms & halls of each unit.

12. Joint compound with paint (Friable)

Sample numbers: 2019-0936-FG-1-8 to 1-14



There is approximately 1200 linear feet of asbestos-containing joint compound with paint associated with the interior GWB walls that would be impacted during the renovation.

6.0 CONCLUSIONS AND RECOMMENDATIONS (continued)

Building H

13. Popcorn ceiling texture (Friable)

Sample numbers: 2019-0936-H-1-1 to 1-7



There is approximately 6880 square feet of asbestos-containing popcorn ceiling texture located in the living rooms, bedrooms & halls of each unit.

14. Joint compound with paint (Friable)

Sample numbers: 2019-0936-H-1-8 to 1-14



There is approximately 800 linear feet of asbestos-containing joint compound with paint associated with the interior GWB walls that would be impacted during the renovation.

Building I

15. Popcorn ceiling texture (Friable)

Sample numbers: 2019-0936-I-1-1 to 1-7



There is approximately 6880 square feet of asbestos-containing popcorn ceiling texture located in the living rooms, bedrooms & halls of each unit.

6.0 CONCLUSIONS AND RECOMMENDATIONS (continued)

Building I

16. Joint compound with paint (Friable)

Sample numbers: 2019-0936-I-1-8 to 1-14



There is approximately 800 linear feet of asbestos-containing joint compound with paint associated with the interior GWB walls that would be impacted during the renovation.

Building J

17. Popcorn ceiling texture (Friable)

Sample numbers: 2019-0936-J-1-1 to 1-7



There is approximately 6880 square feet of asbestos-containing popcorn ceiling texture located in the living rooms, bedrooms & halls of each unit.

18. Joint compound with paint (Friable)

Sample numbers: 2019-0936-J-1-8 to 1-14



There is approximately 800 linear feet of asbestos-containing joint compound with paint associated with the interior GWB walls that would be impacted during the renovation.

6.0 CONCLUSIONS AND RECOMMENDATIONS (continued)

Building K

19. Popcorn ceiling texture (Friable)

Sample numbers: 2019-0936-K-1-1 to 1-7



There is approximately 4655 square feet of asbestos-containing popcorn ceiling texture located in the living rooms, bedrooms & halls of each unit.

20. Joint compound with paint (Friable)

Sample numbers: 2019-0936-K-1-8 to 1-14



There is approximately 560 linear feet of asbestos-containing joint compound with paint associated with the interior GWB walls that would be impacted during the renovation.

Contractors should be aware that concealed suspect asbestos-containing building materials may be uncovered during the course of demolition or renovation work. Contractors should have contingency plans that include stopping work, evacuation of the immediate area and sampling by a certified AHERA Building Inspector whenever these materials are found. Concealed suspect materials may include, but are not limited to: non-fiberglass pipe or roof drain insulation; spray-applied coatings; cement board; asphalt or paper vapor barriers; floorings and adhesives.

If discovered, all asbestos-containing materials that will be disturbed as a natural part of renovation and/or demolition are required to be removed and disposed of in accordance with Washington State regulations. Washington State Department of Labor and Industries and PSCAA require that the abatement be performed using Certified Asbestos Workers under the direct on site supervision by a Certified Asbestos Supervisor.

NVL recommends that an AHERA inspector/project manager be on site at the time of renovation/demolition to ensure that any potentially asbestos-containing materials uncovered during the process of renovation/demolition be dealt with properly.

6.0 CONCLUSIONS AND RECOMMENDATIONS (continued)

NVL Labs, Inc. is making the following recommendations regarding asbestos:

1. A copy of this inspection report should be maintained at the site during any renovations.
2. A copy of this inspection report should be provided to the General Contractor and any Sub Contractors working on the renovation project.
3. A licensed asbestos abatement contractor must be utilized to remove any asbestos-containing materials that will be impacted by the planned demolition.
4. Abatement specifications should be prepared by a Hazardous Materials Consulting firm covering the regulated building materials that will be impacted by the renovations / demolition, and these specifications should be part of any contract documents prepared for this project.
5. A licensed asbestos abatement contractor must be utilized to remove any asbestos-containing materials that will be impacted by the planned renovation / demolition.
6. A Hazardous Materials Consulting Firm should provide project oversight and air monitoring during the removal of the asbestos-containing materials.

7.0 LIMITATIONS

The purpose of this Limited Good Faith Asbestos Inspection report is to document asbestos-containing materials discovered at "Bellepark East" 16241 NE 13th Place, Bellevue, WA 98008.

The purpose of this inspection was to identify asbestos containing building materials which would be impacted by the planned window replacement project on the 10 apartment buildings (bldg. A - bldg. K).

Due to occupancy, destructive sampling methods were not utilized during this inspection. No soft/limited demolition was performed during this inspection. Hidden materials may exist within the structures, and all suspect materials must be treated as asbestos containing until testing proves otherwise.

This site visit consisted of a thorough visual walk-through of the building for the purpose of viewing and sampling potential asbestos-containing material. As hazardous material surveys are non-comprehensive by nature, NVL Laboratories, Inc. cannot be held liable for materials which require destructive means to access, materials which are hidden from sight (e.g. materials hidden behind walls), materials which cannot be found due to their obscure nature, or which otherwise cannot be discovered with reasonable diligence.

This document is the sole property of NVL Laboratories and the property owner, or his agent, authorizing this survey.

Inspected By



Derrick Gallard
AHERA Building Inspector
AHERA Certification: # 175015
Expiration Date: October 8, 2020

Reviewed By



Syed Hasan
Manager Field Services
AHERA Certification: # 174015
Expiration Date: July 17, 2020

Inspected By



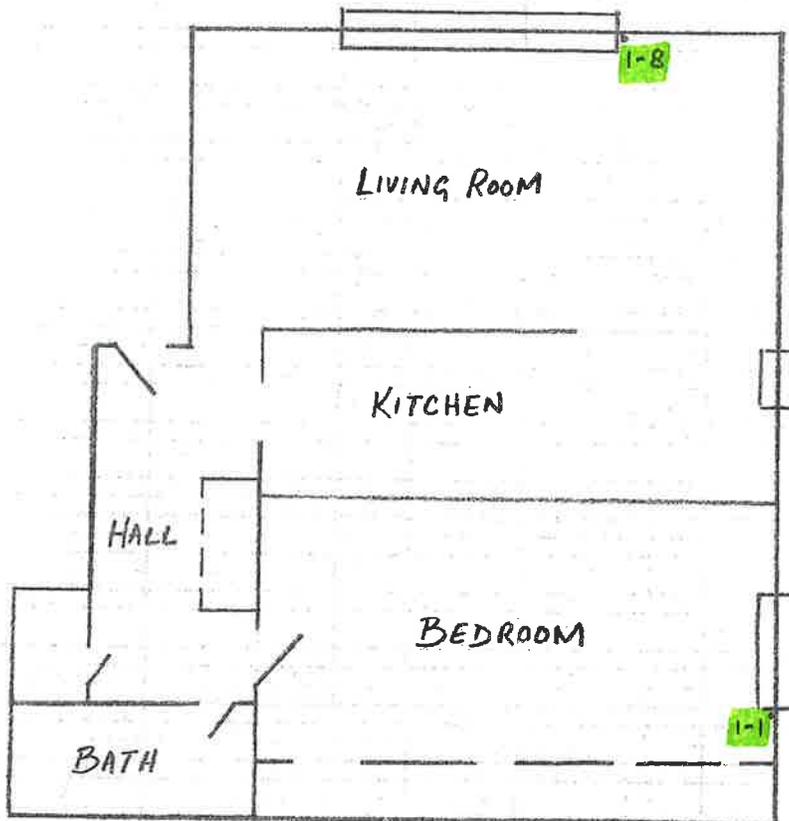
Tanveer Khan
AHERA Building Inspector
AHERA Certification: # 172872
Expiration Date: April 24, 2020



Appendix A

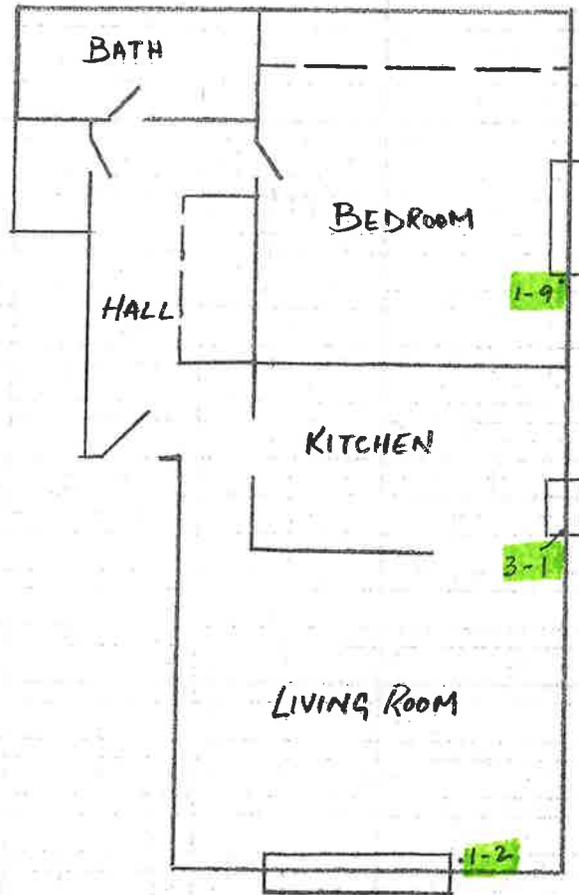
Sample Locations (Floor Plan)

UNIT A101



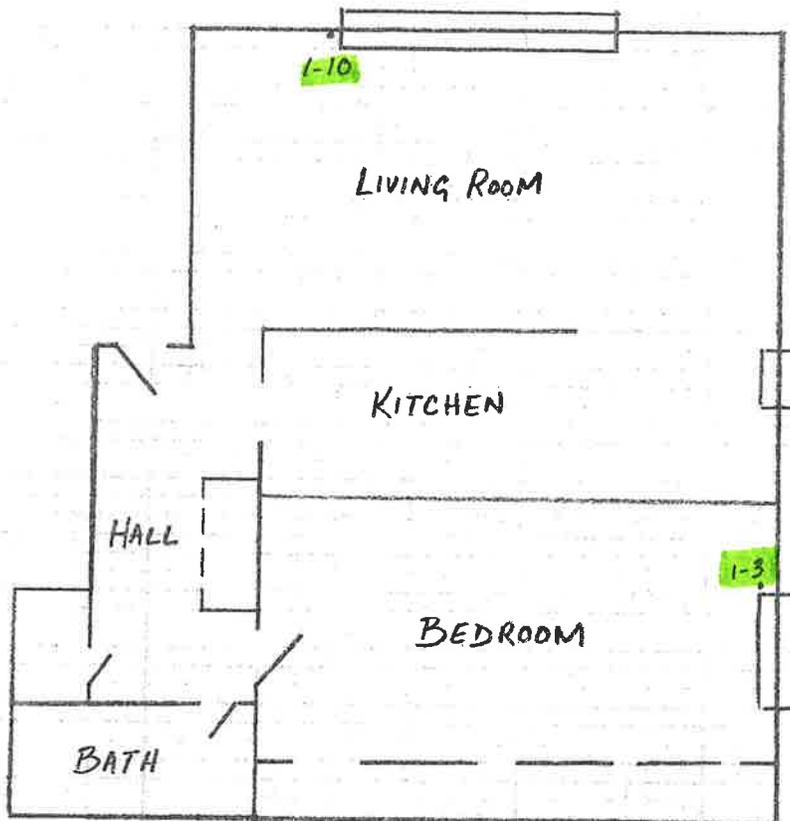
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UNIT A102



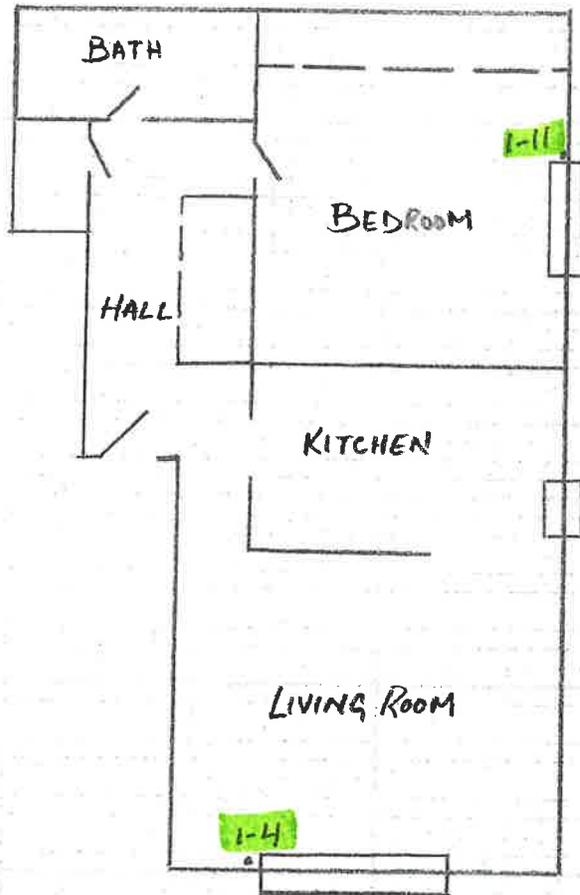
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UNIT A201



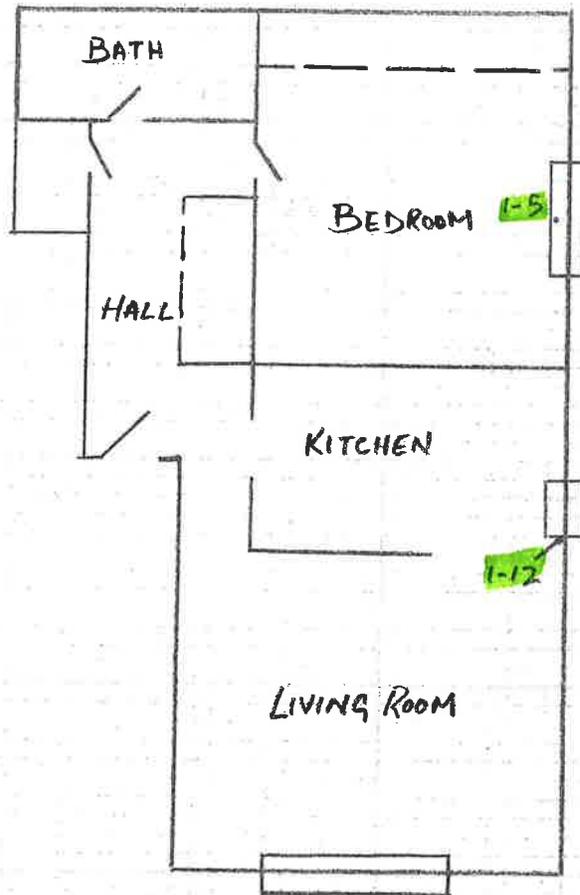
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UNIT A202



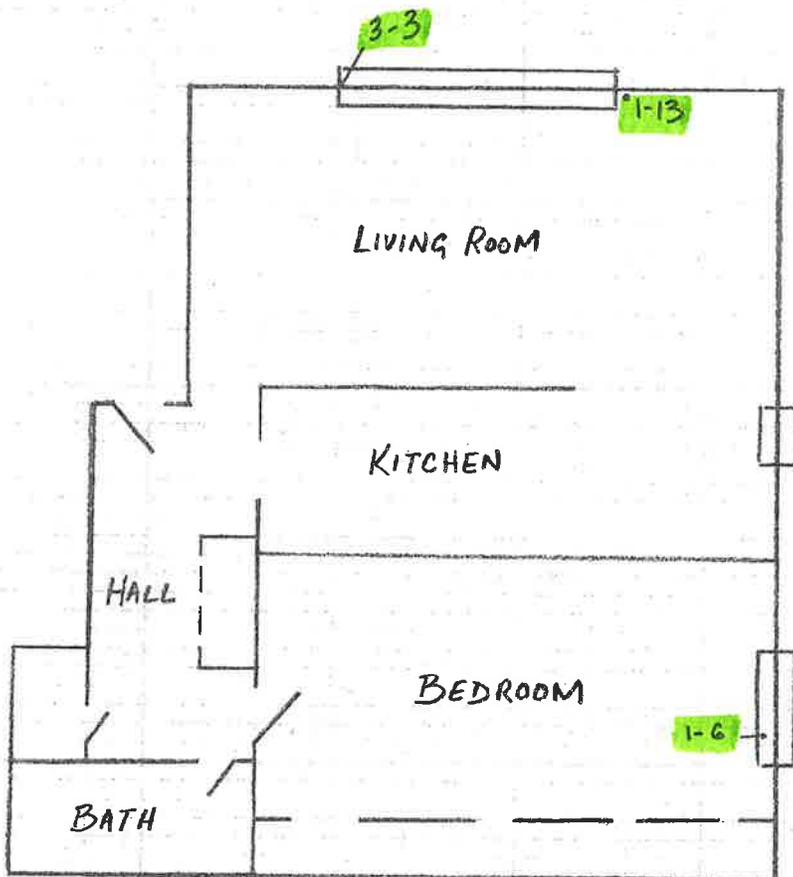
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UNIT A103



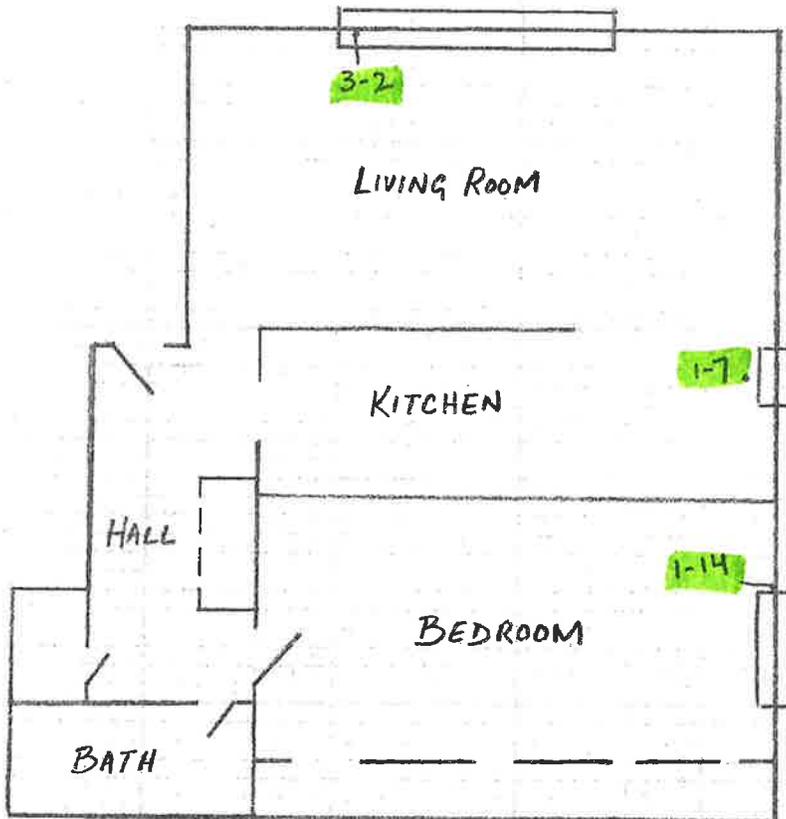
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UNIT A104



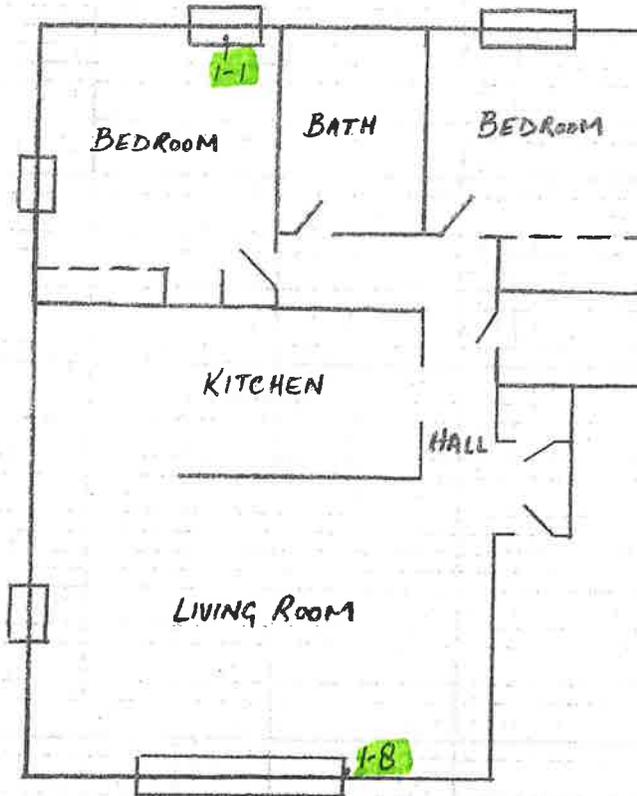
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UNIT A204



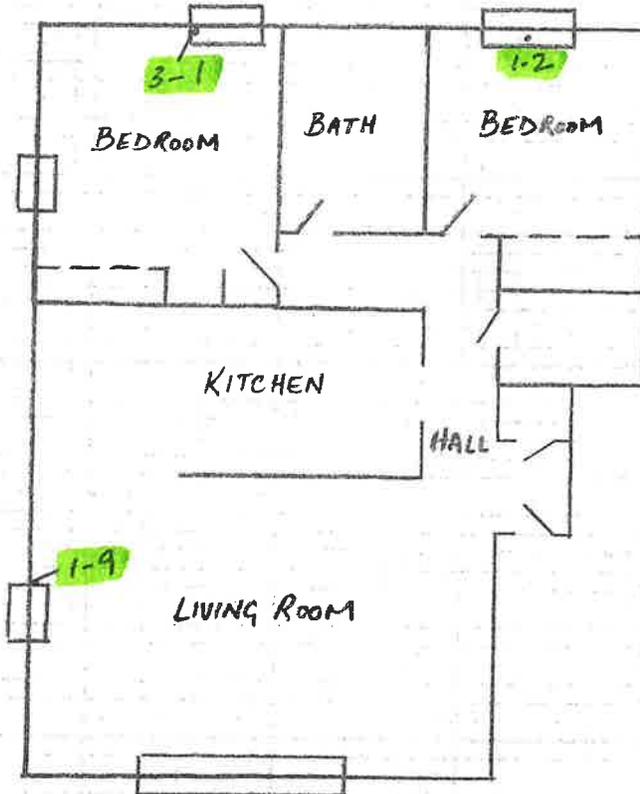
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UNIT B101



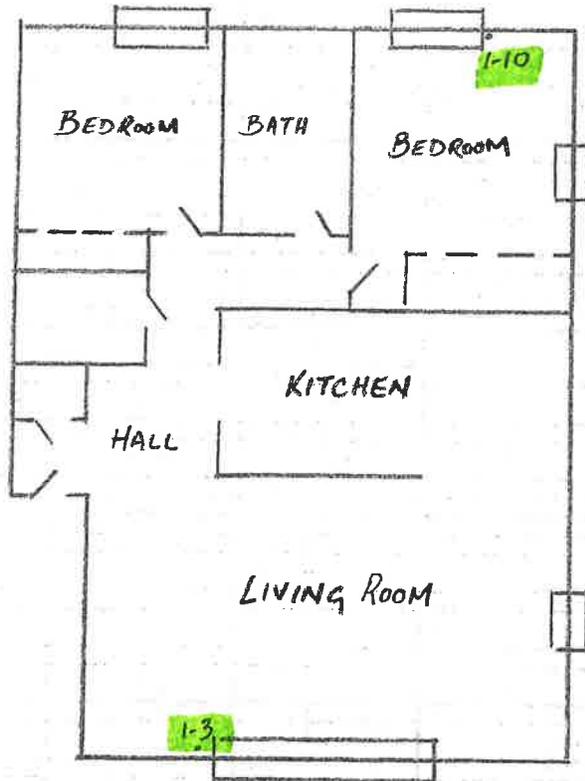
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UNIT B201



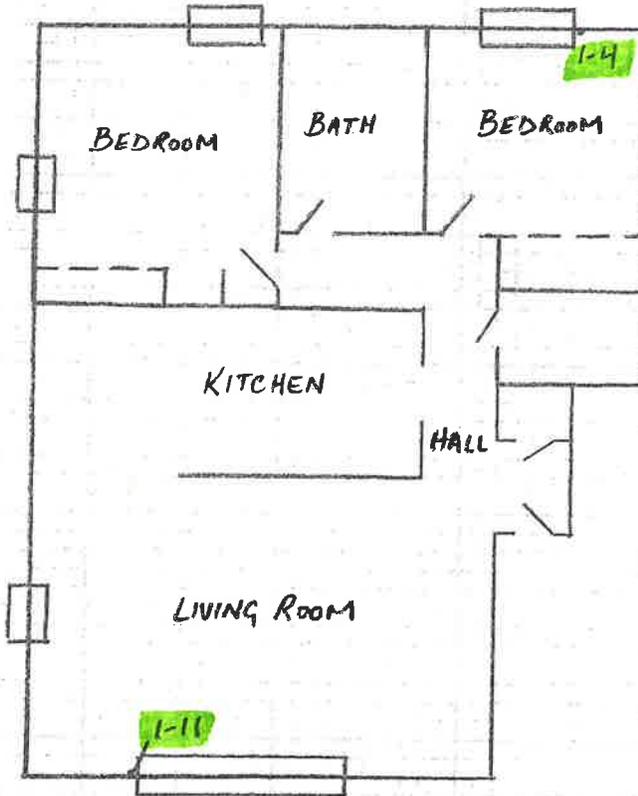
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UNIT B202



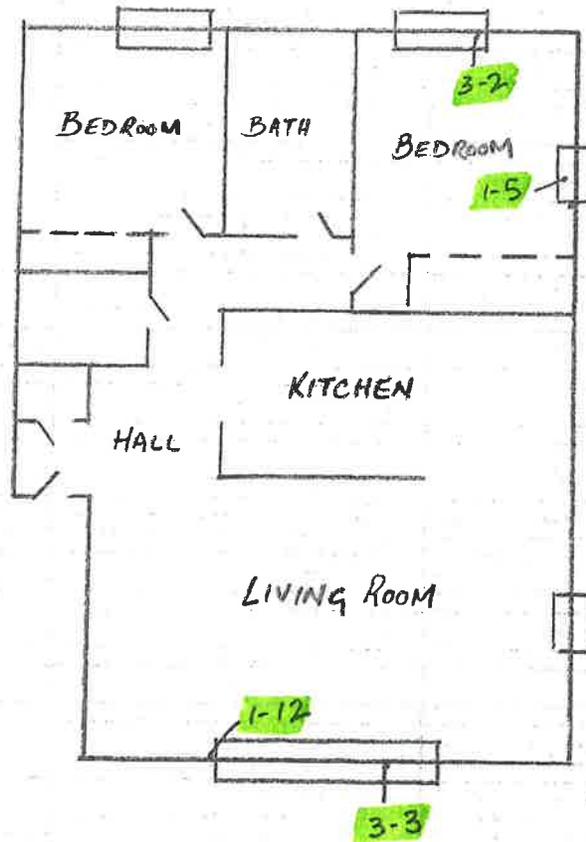
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UNIT B103



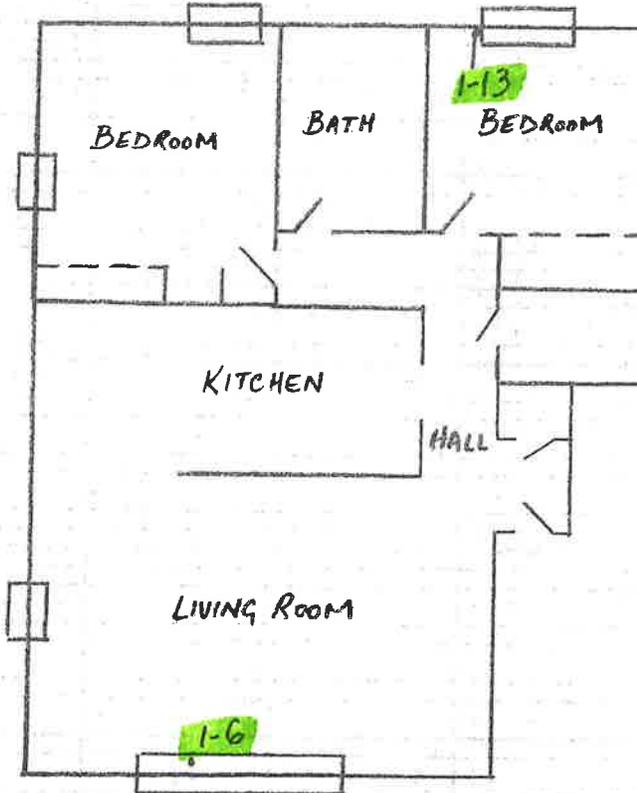
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UNIT B104



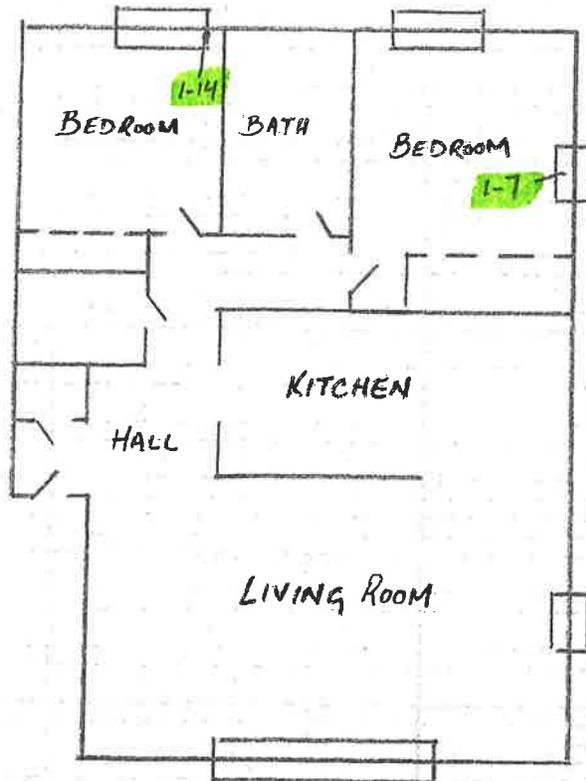
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UNIT B203



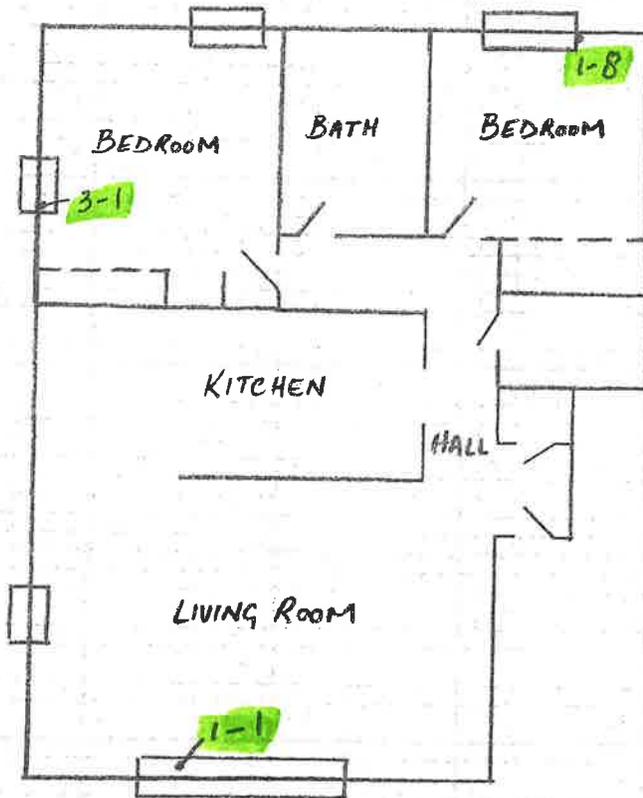
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UNIT B204



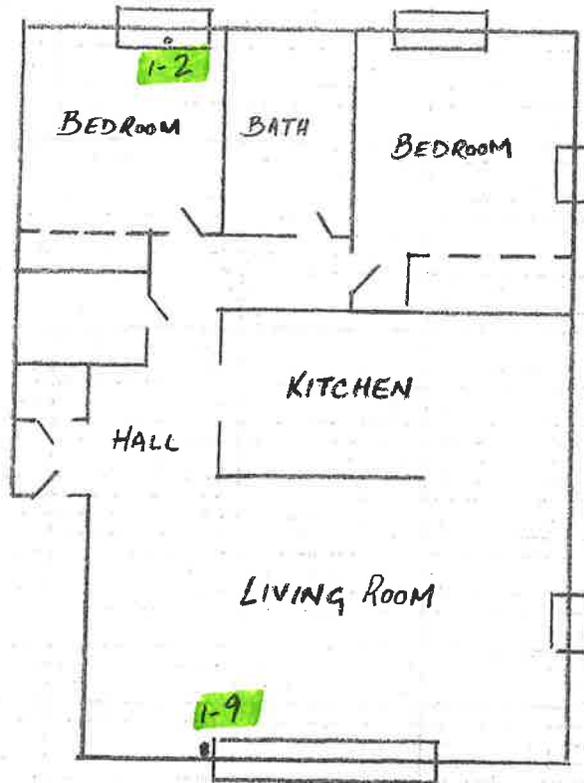
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UNIT C101



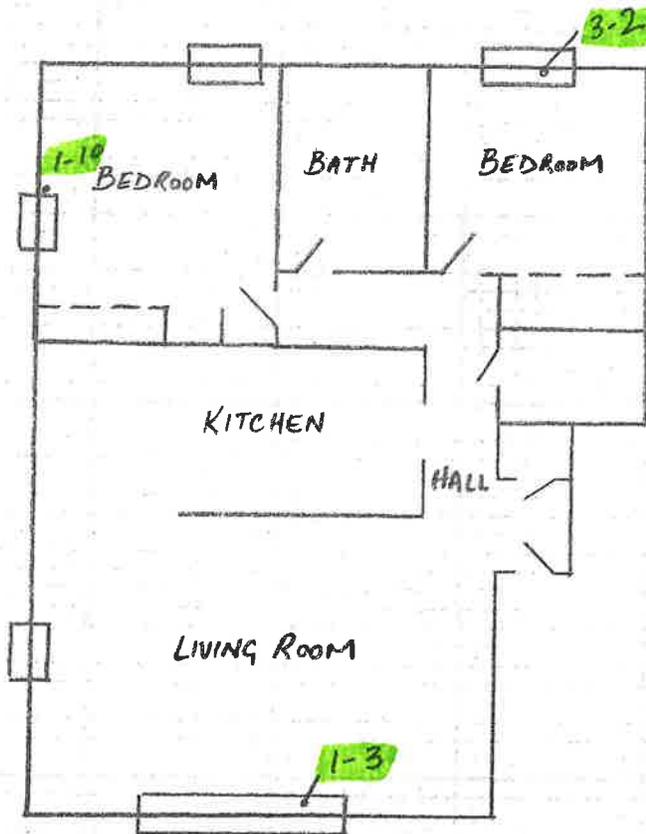
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UNIT C102



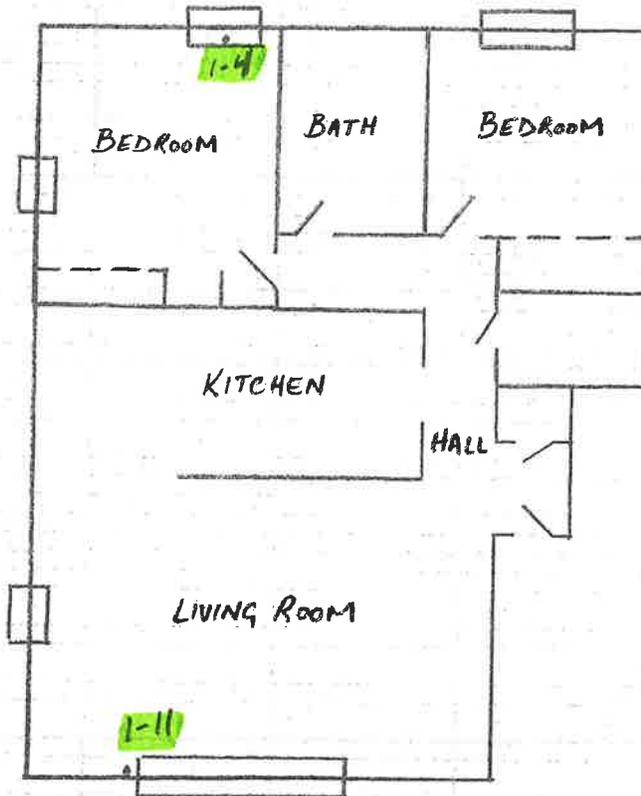
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UNIT C201



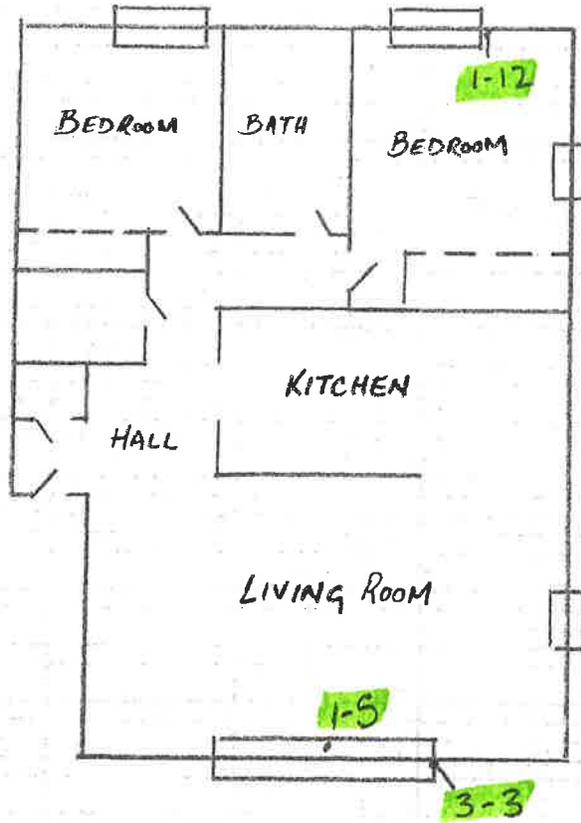
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UNIT C103



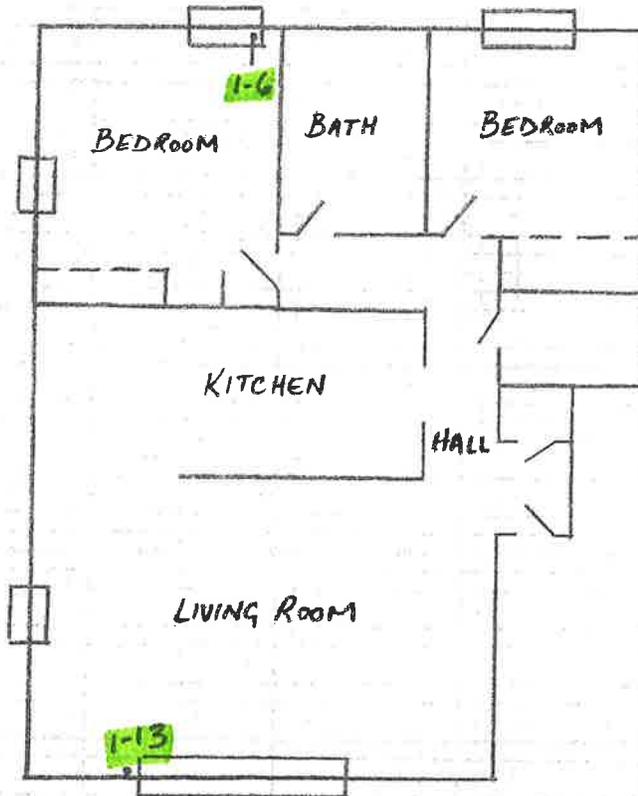
(NOT TO SCALE)

UNIT C104



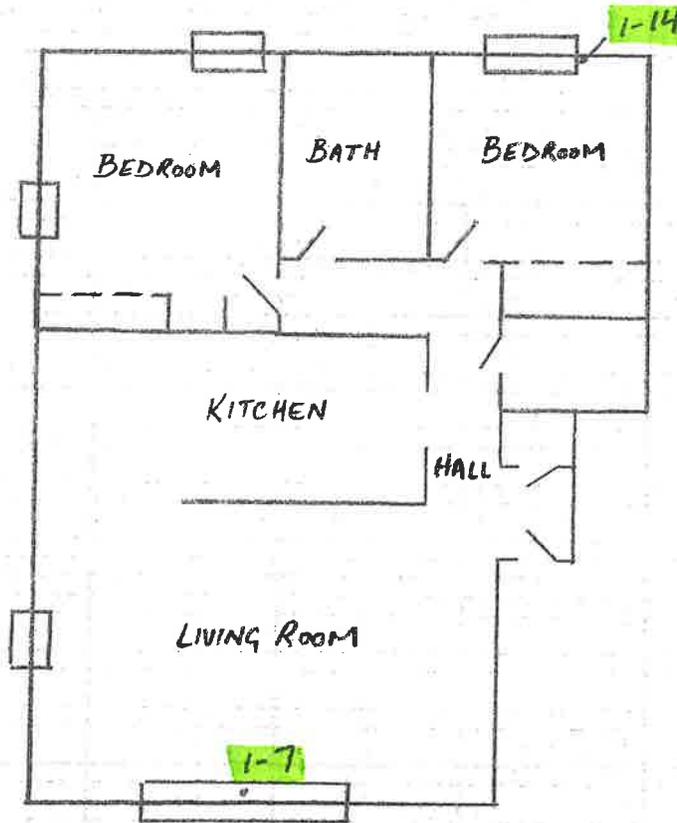
(NOT TO SCALE)

UNIT C203



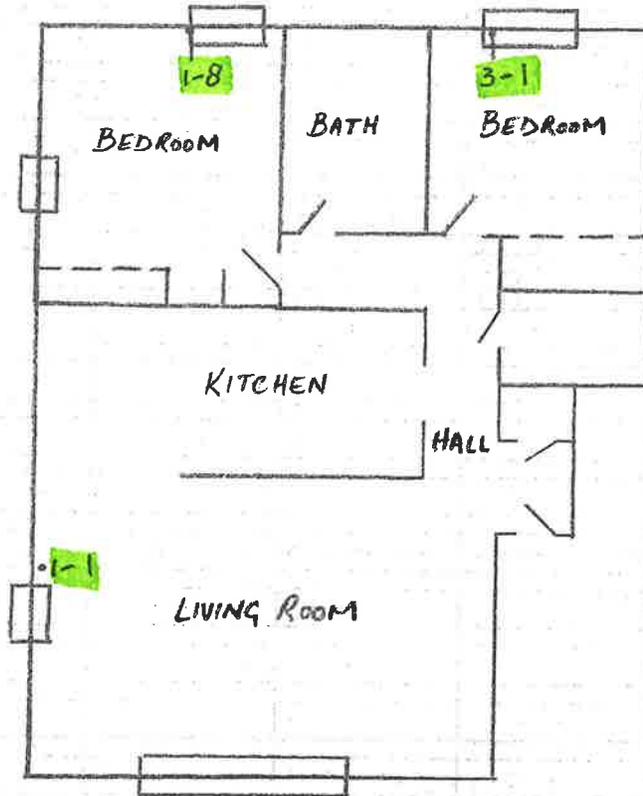
(NOT TO SCALE)

UNIT C204



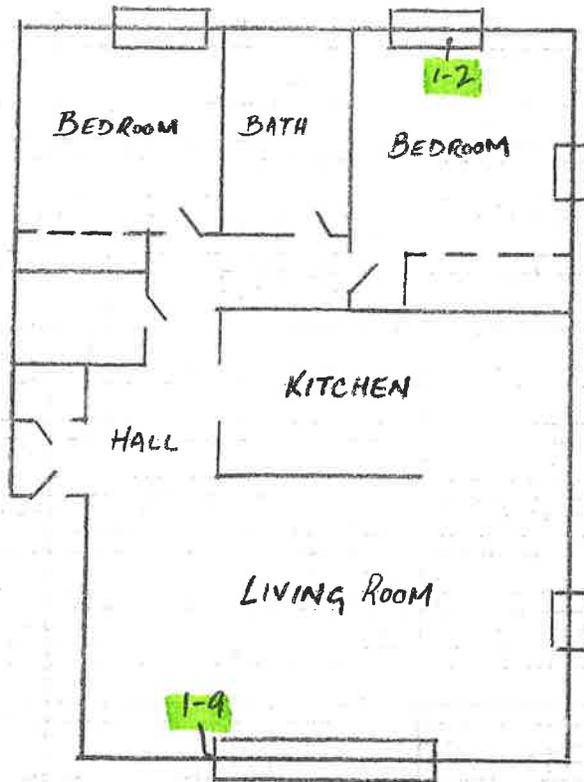
(NOT TO SCALE)

UNIT D101



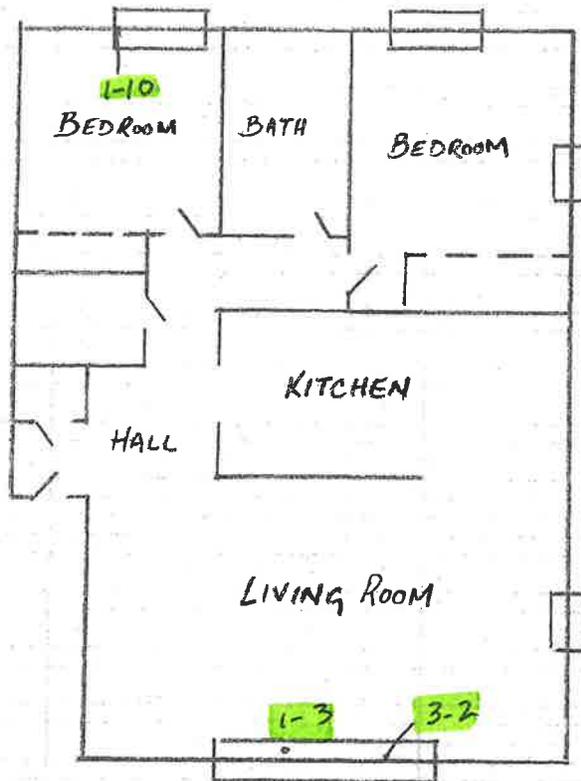
(NOT TO SCALE)

UNIT D102



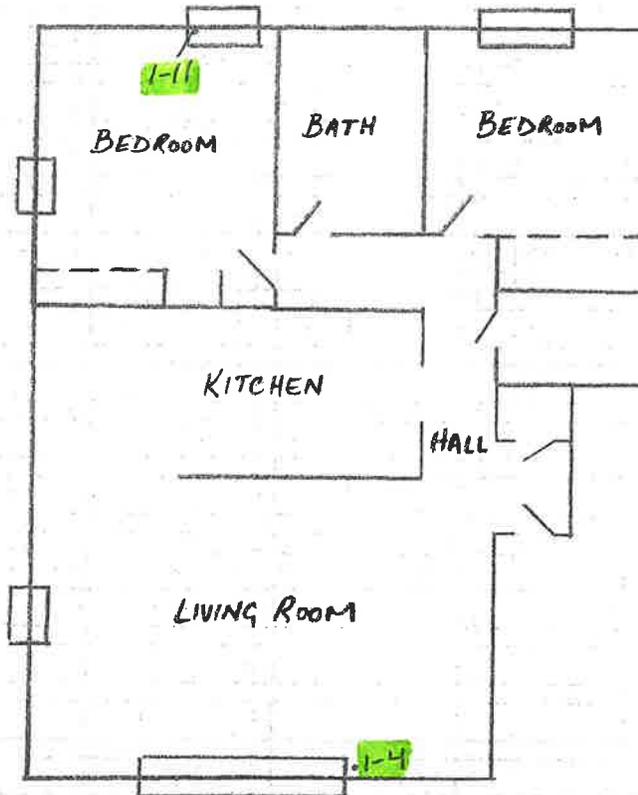
(NOT TO SCALE)

UNIT D202



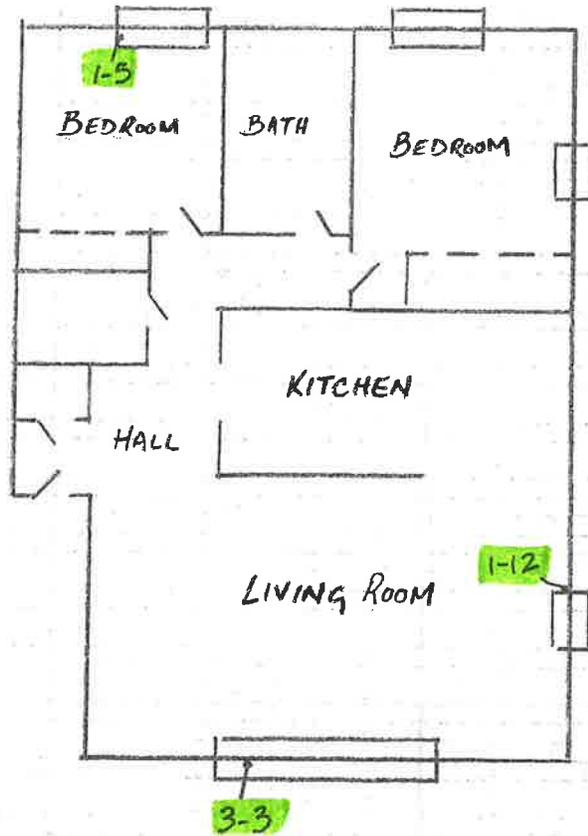
(NOT TO SCALE)

UNIT D103



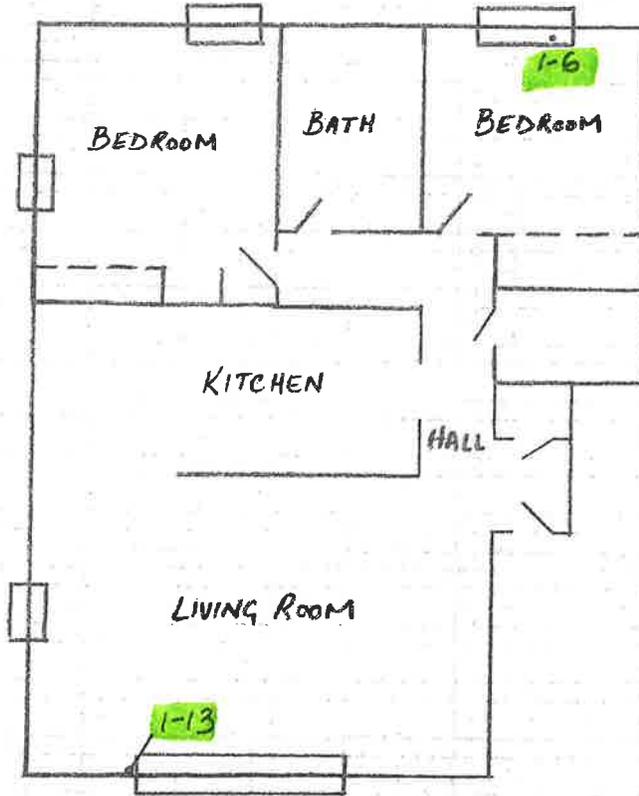
(NOT TO SCALE)

UNIT D104



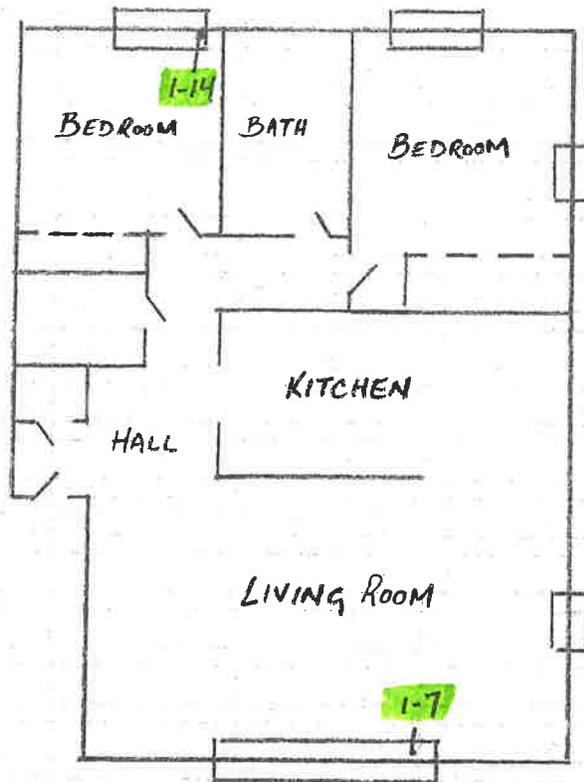
(NOT TO SCALE)

UNIT D203



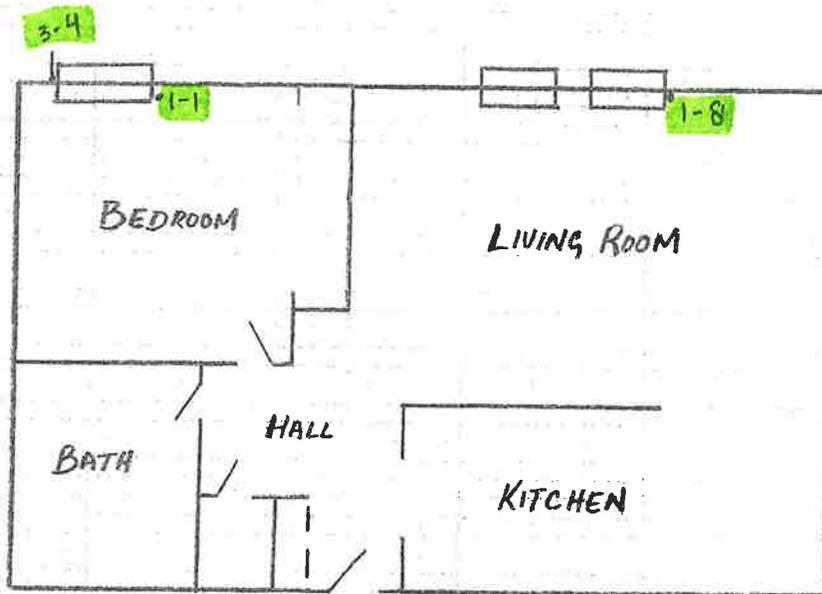
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UNIT D204



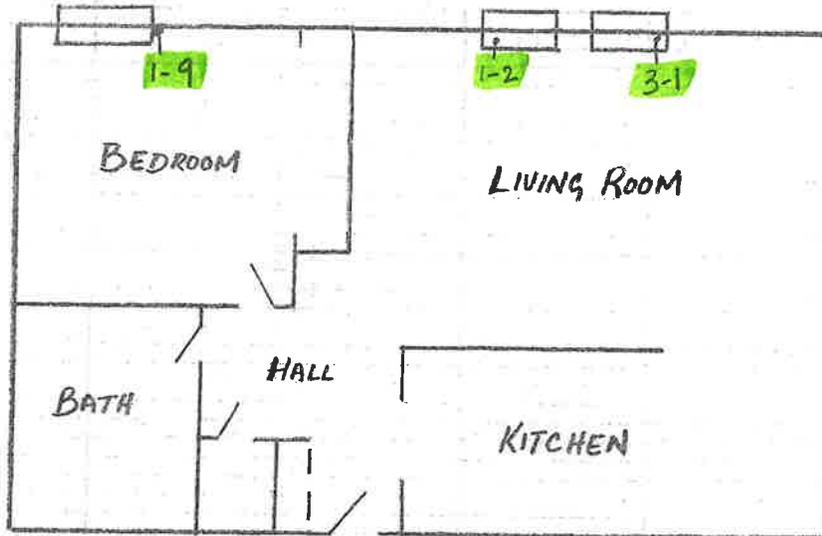
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UNIT E 101



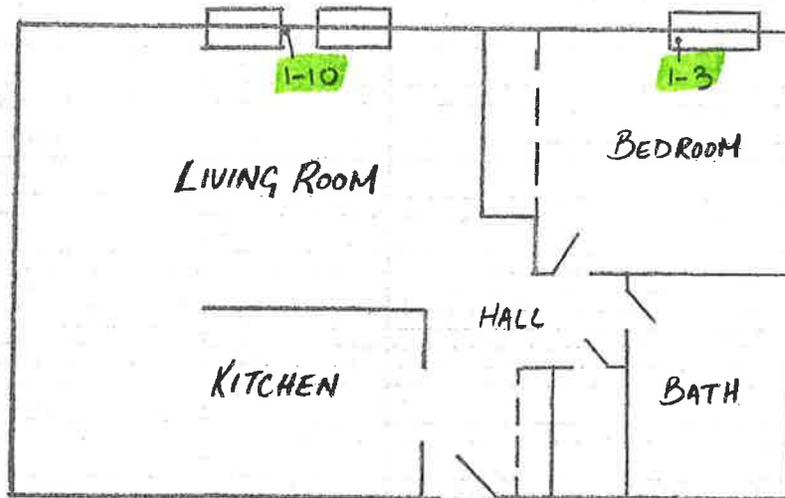
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UNIT E 105



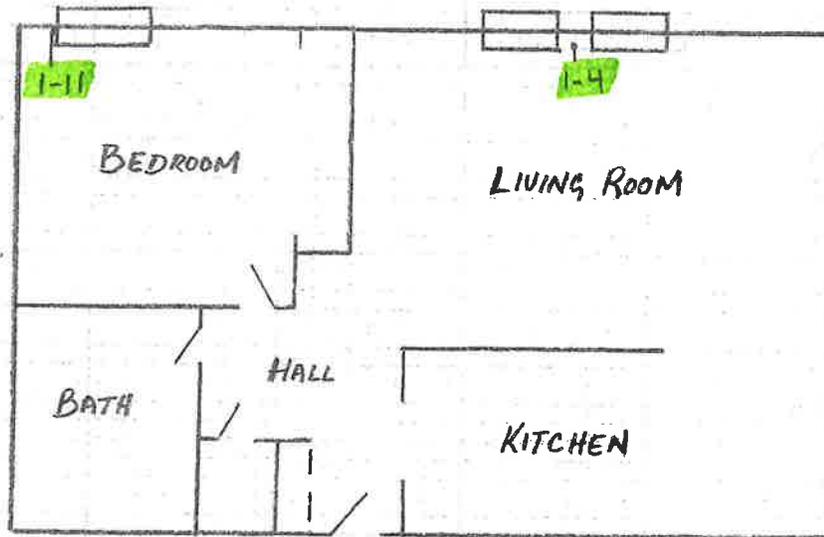
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UNIT E 107



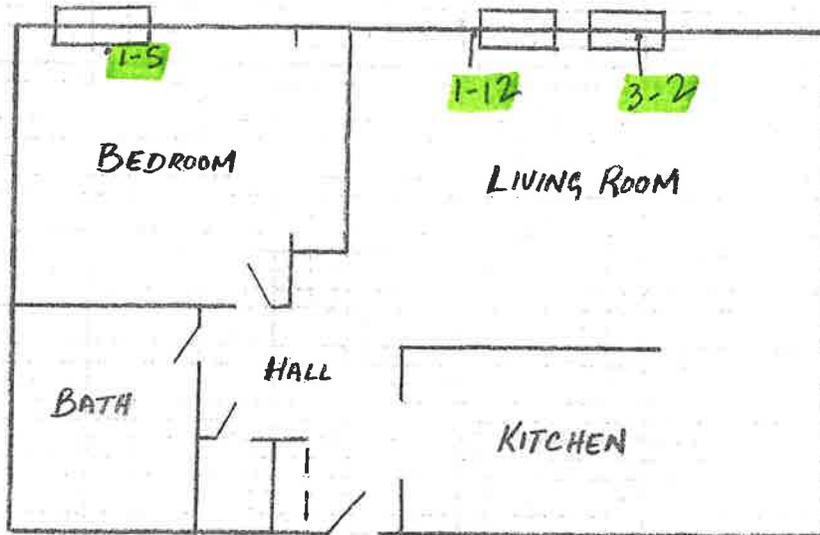
(NOT TO SCALE)

UNIT E 108



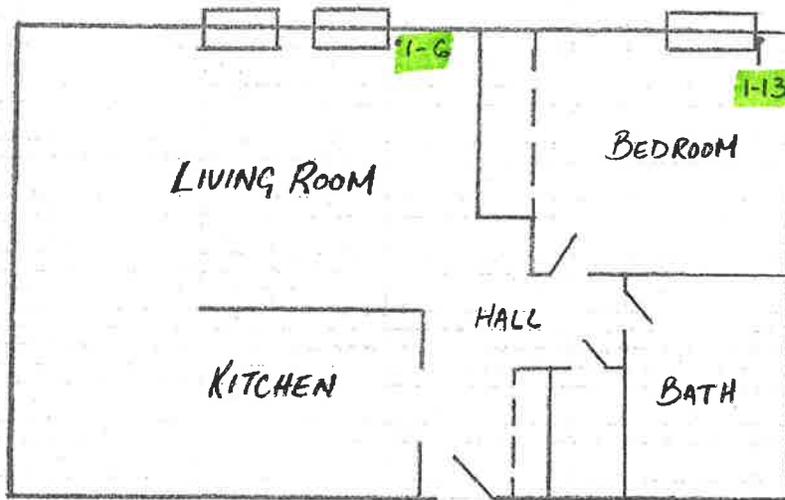
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UNIT E 201



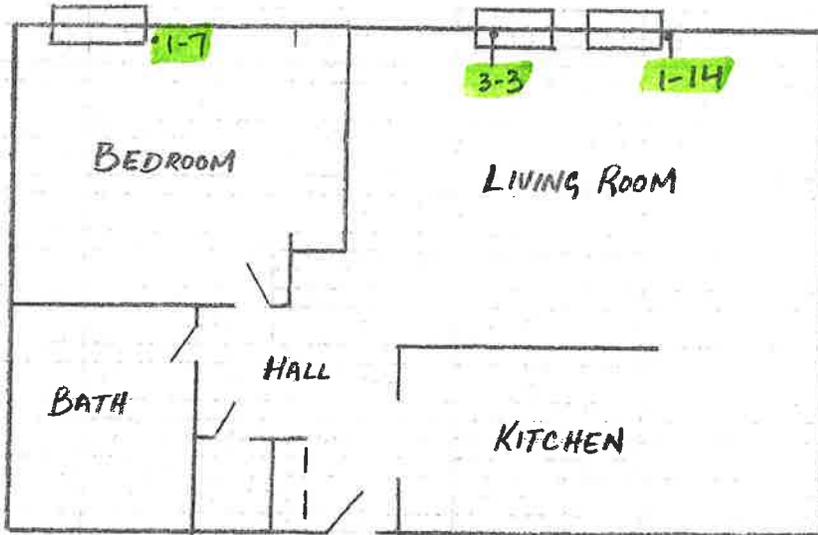
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UNIT E 206



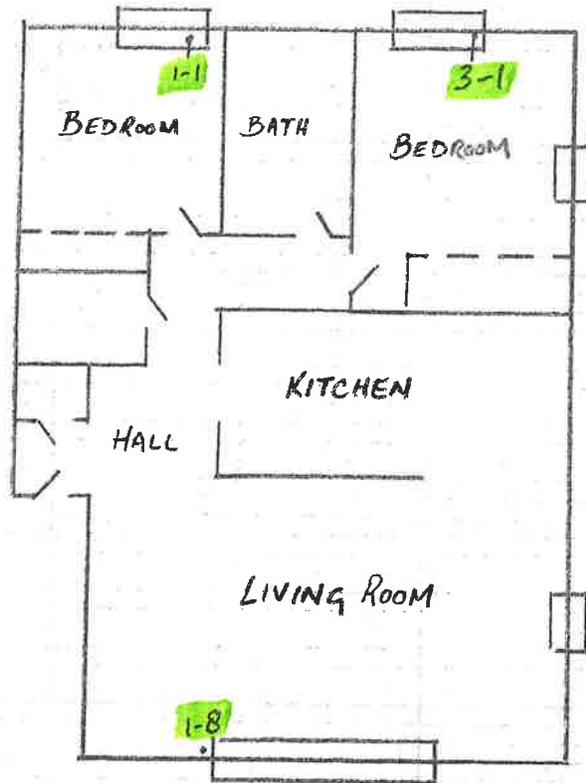
(NOT TO SCALE)

UNIT E 311



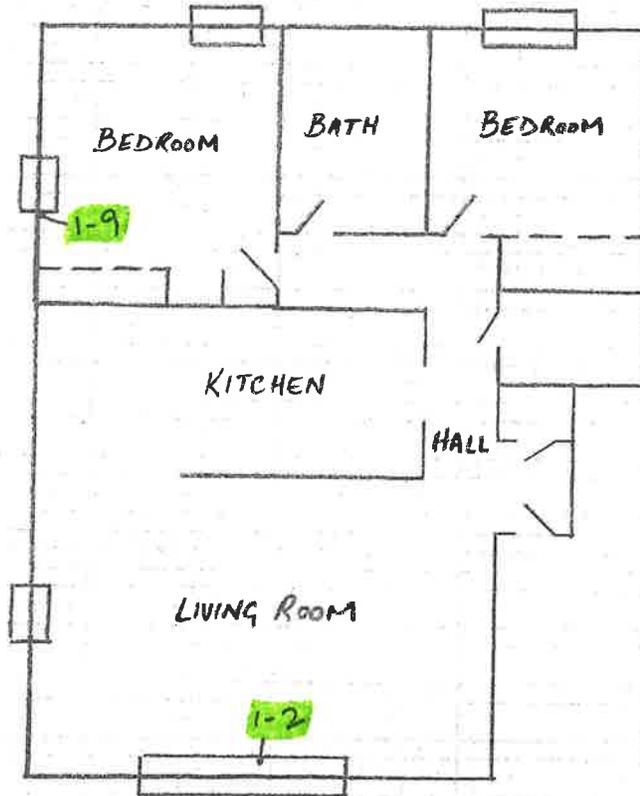
(NOT TO SCALE)

UNIT F102



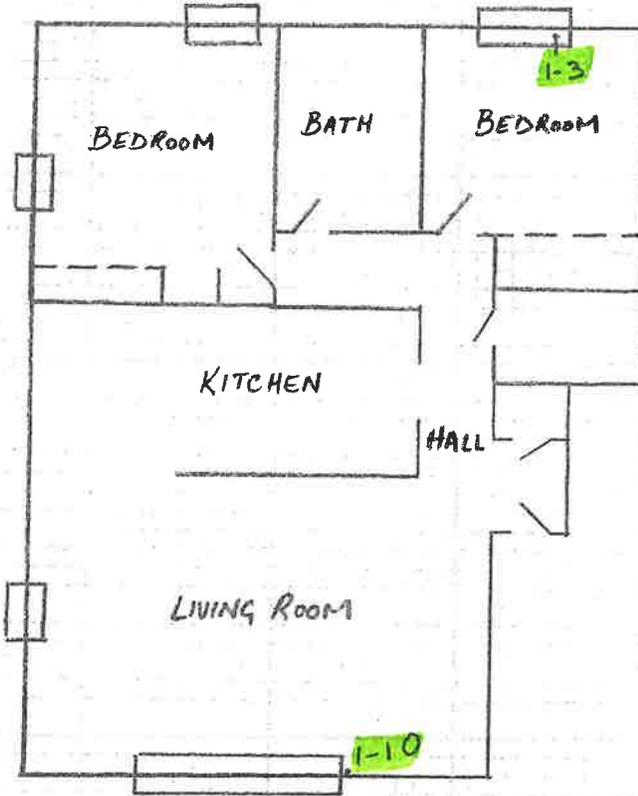
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UNIT F201



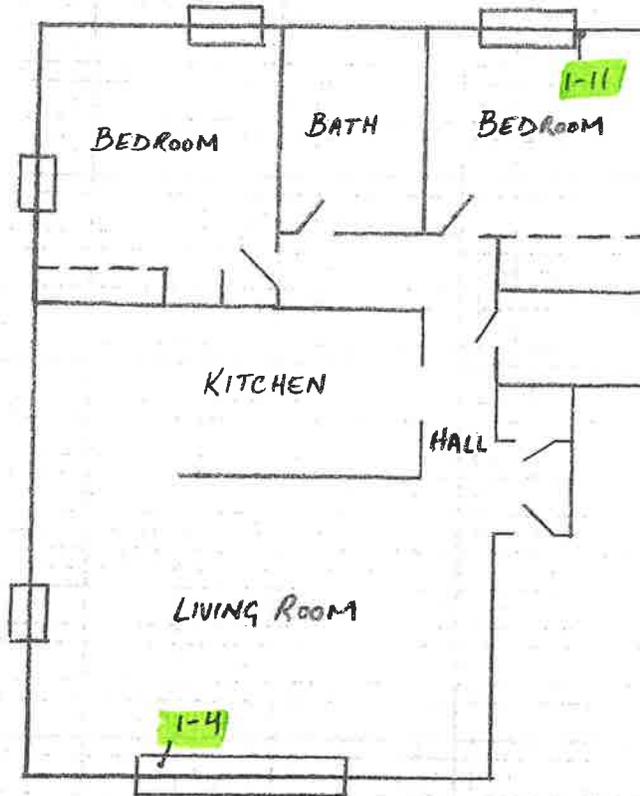
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UNIT F103



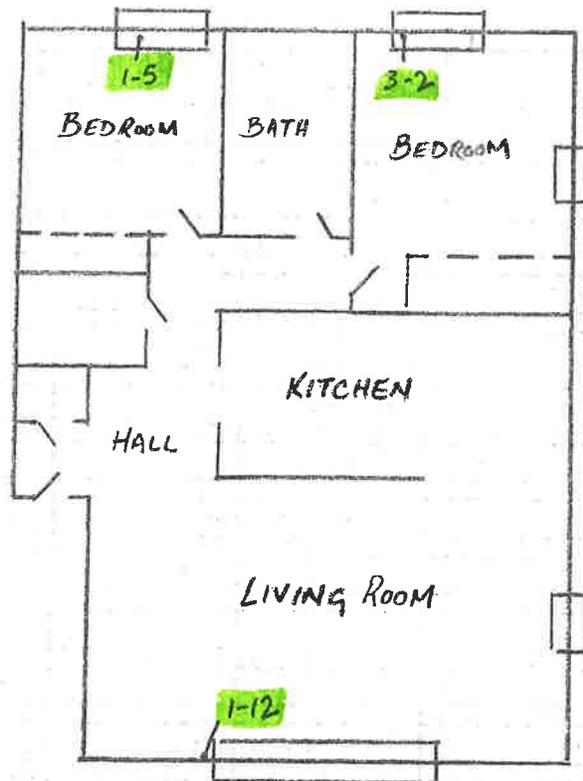
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UNIT F203



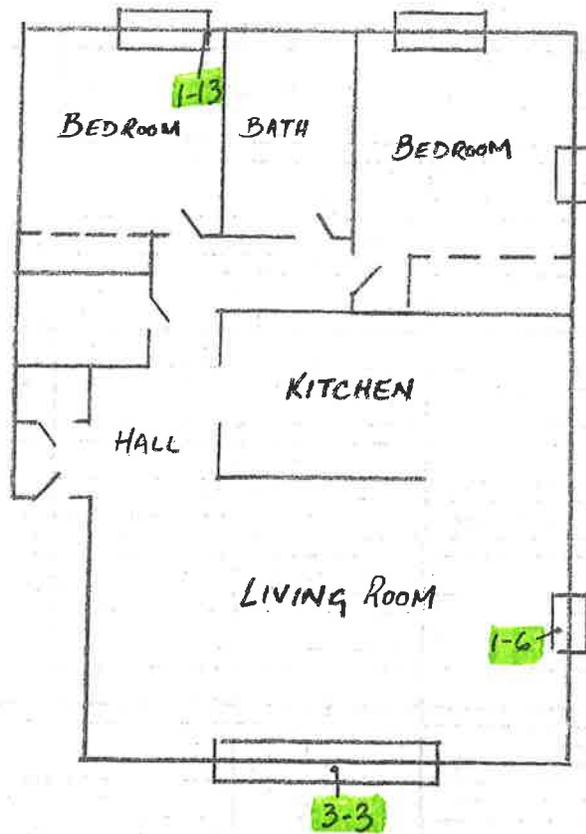
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UNIT G, 203



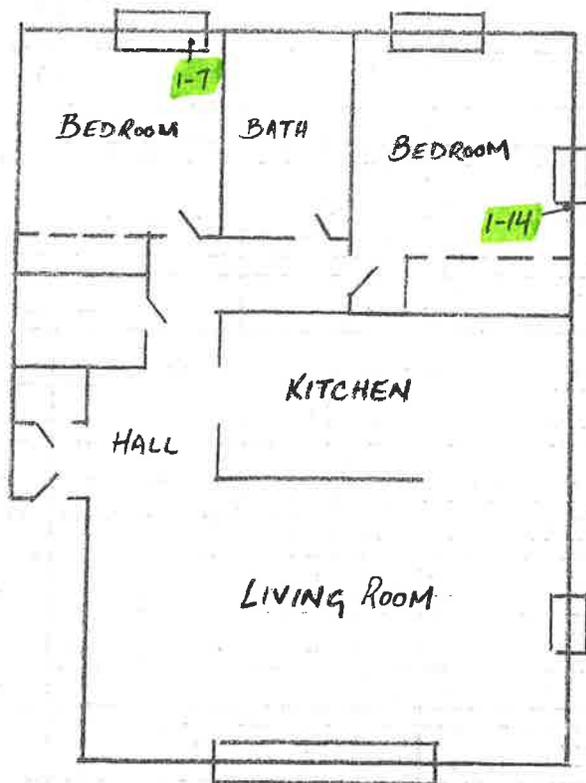
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UNIT G101



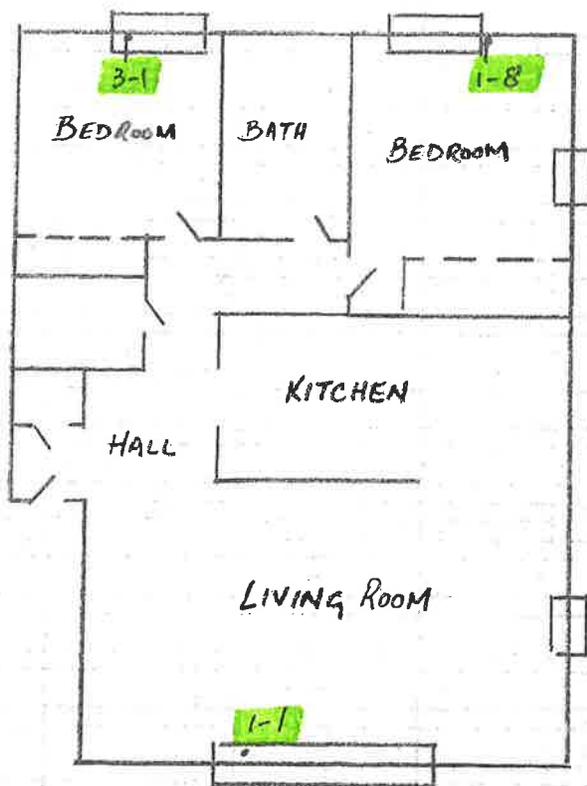
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UNIT G201



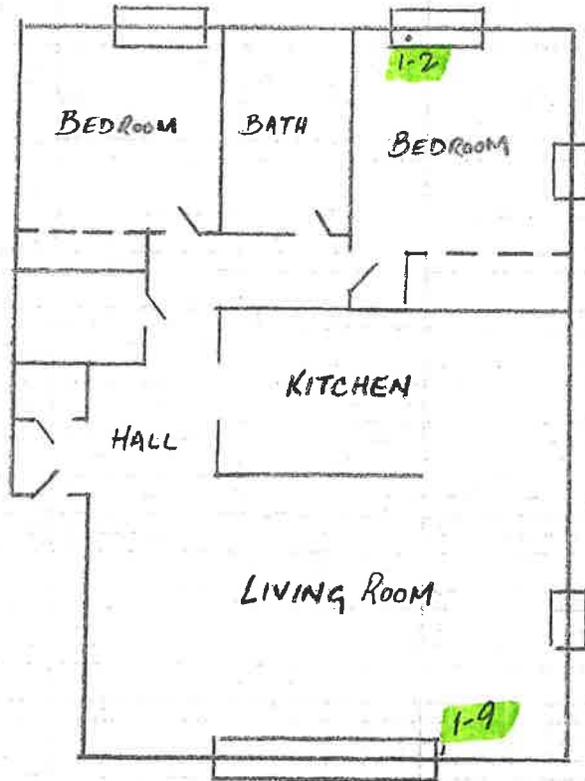
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UNIT H103



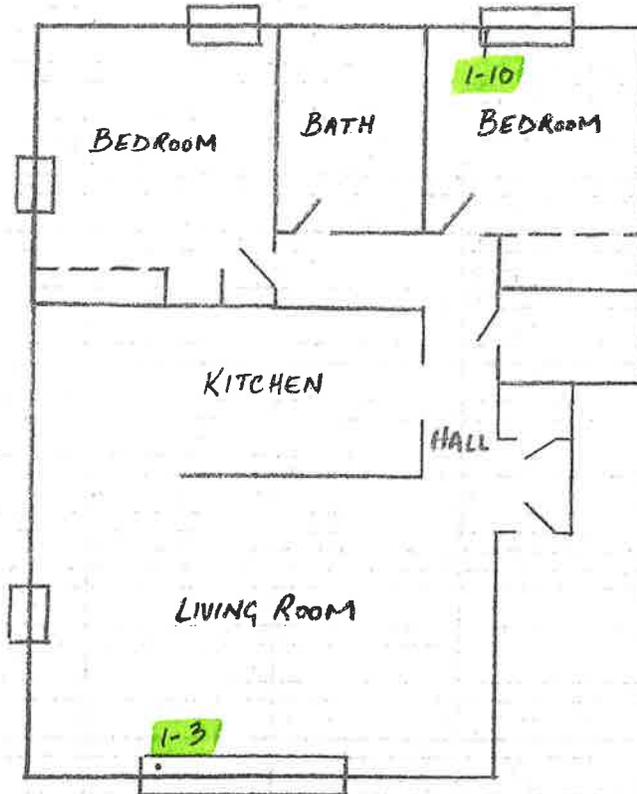
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UNIT H203



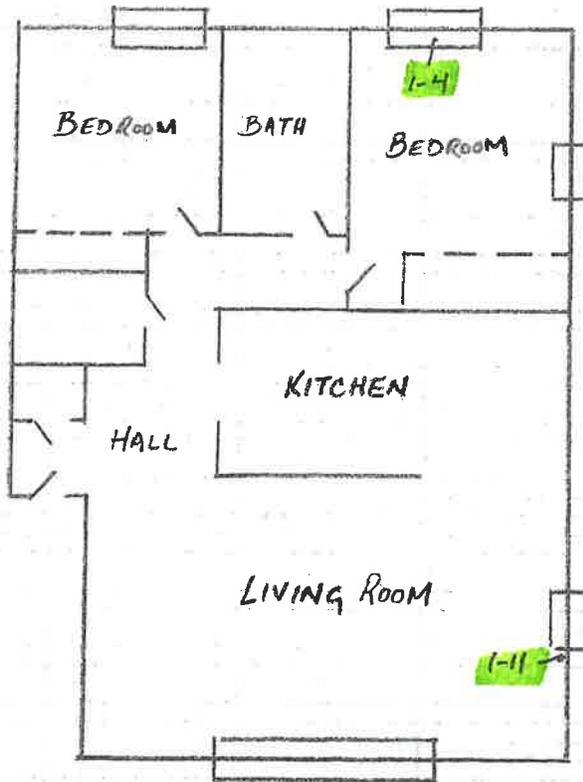
(NOT TO SCALE)

UNIT H204



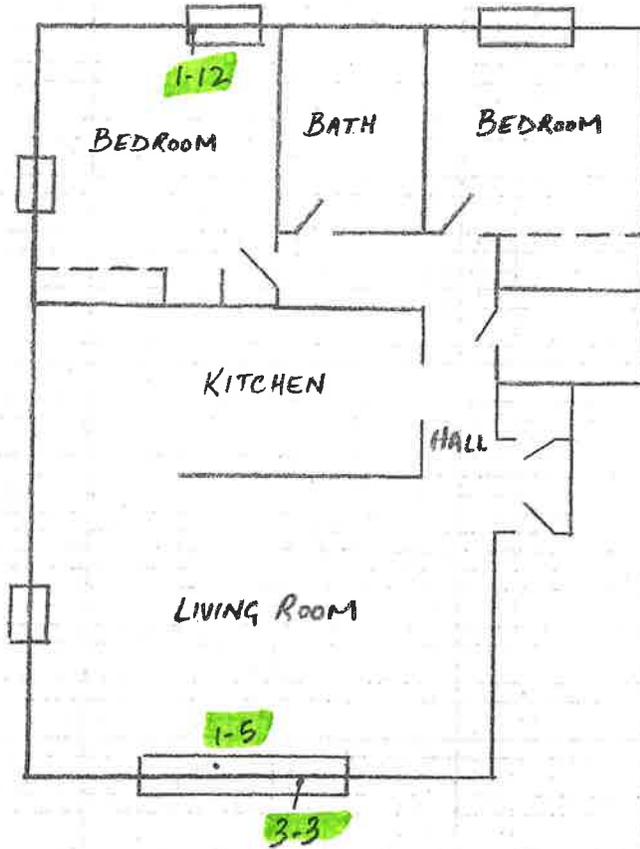
(NOT TO SCALE)

UNIT H101



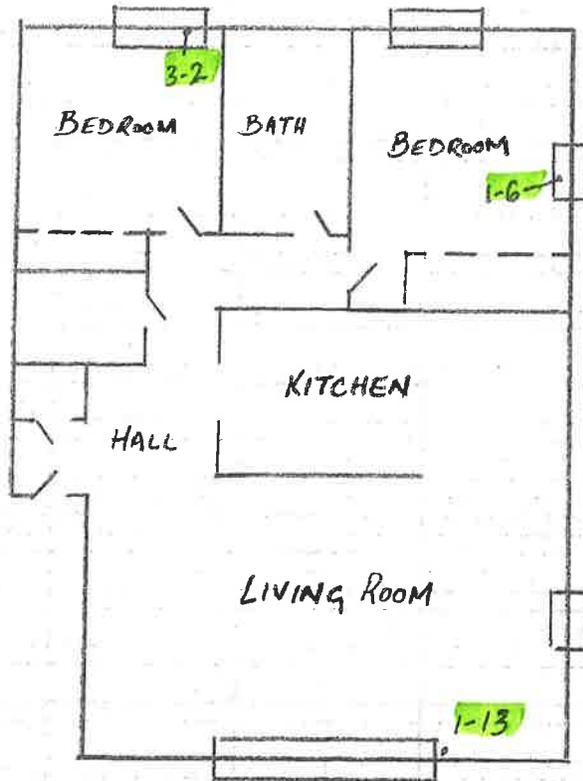
(NOT TO SCALE)

UNIT H102



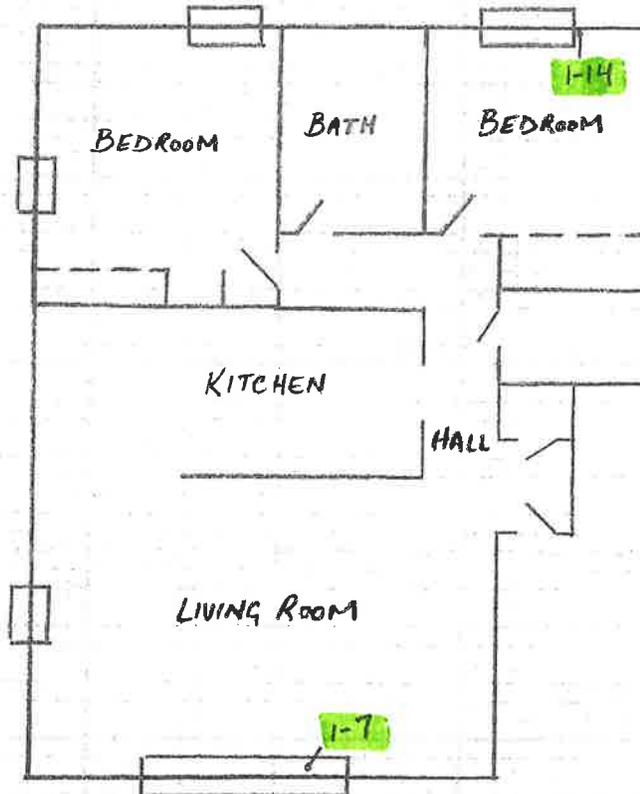
(NOT TO SCALE)

UNIT H201



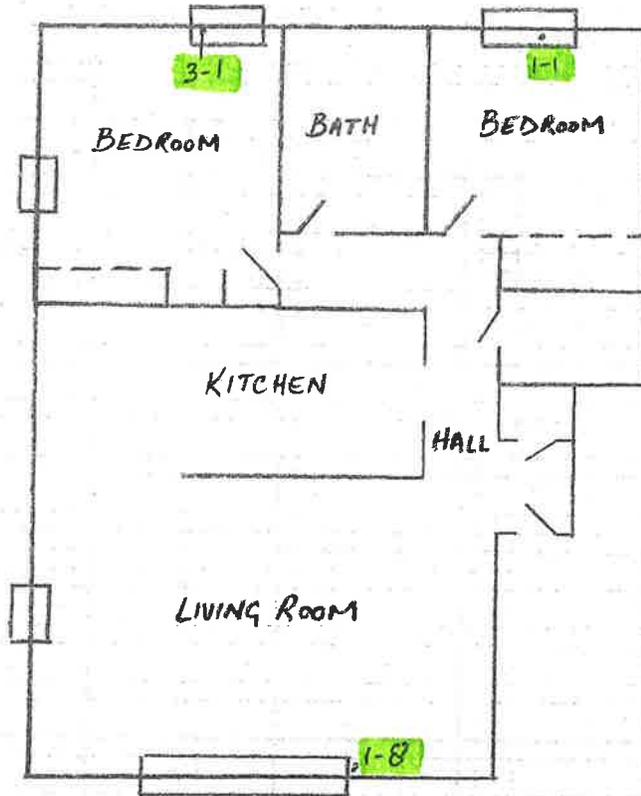
(NOT TO SCALE)

UNIT H202



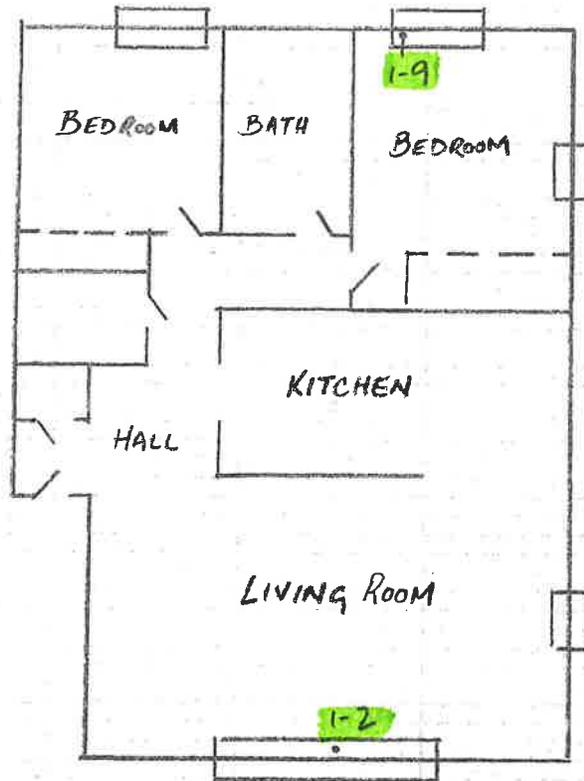
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UNIT I 104



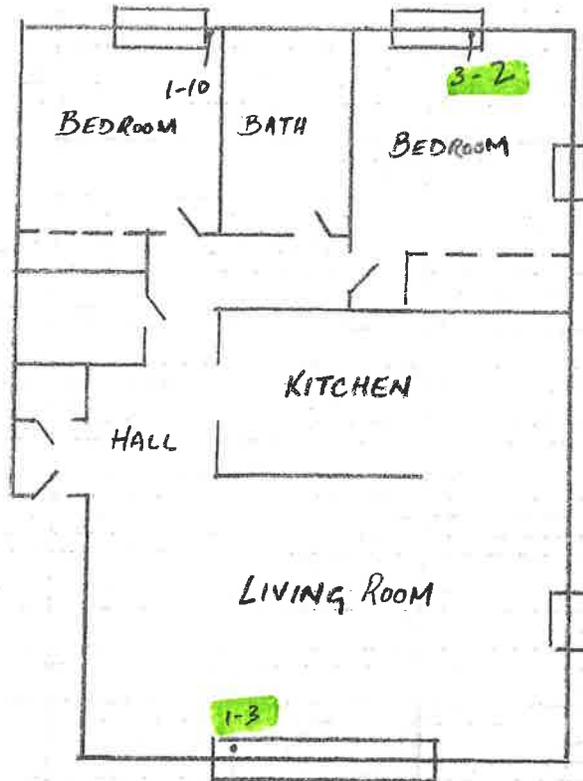
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UNIT I103



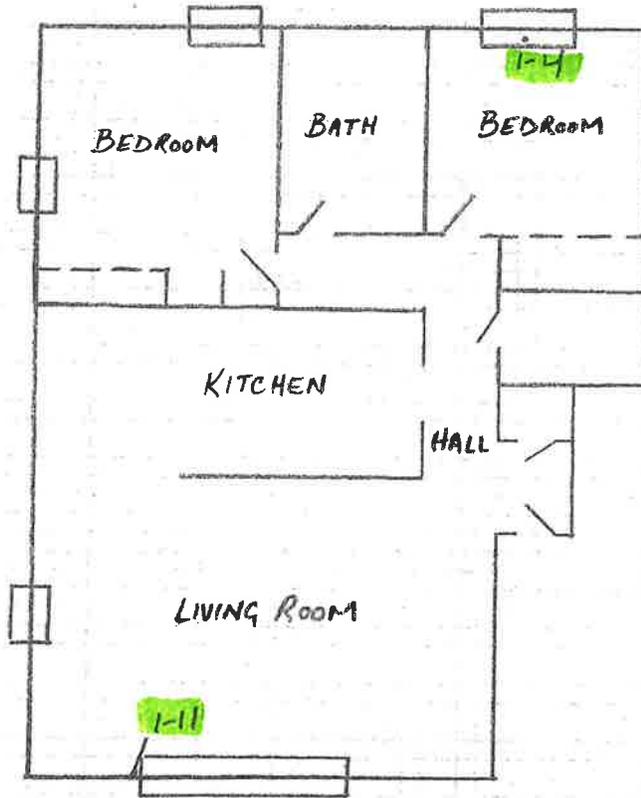
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UNIT I 203



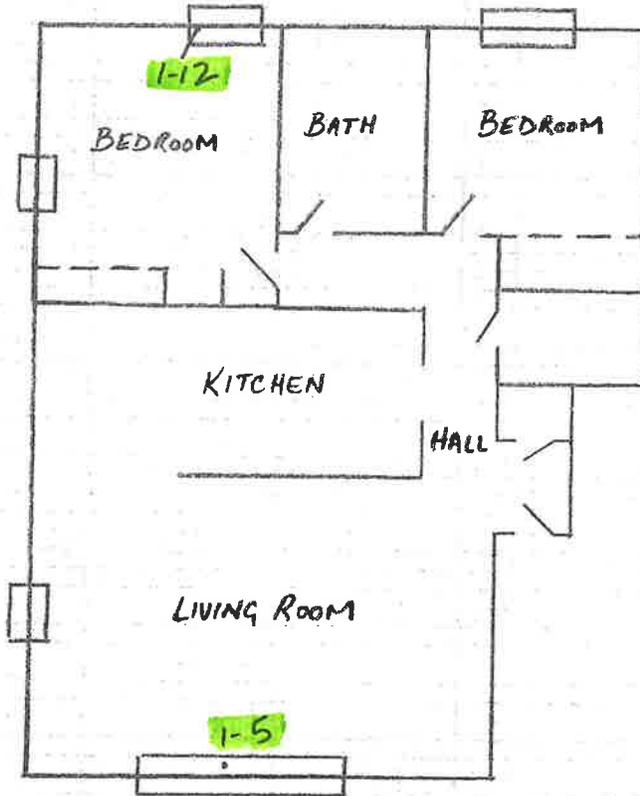
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UNIT I 204



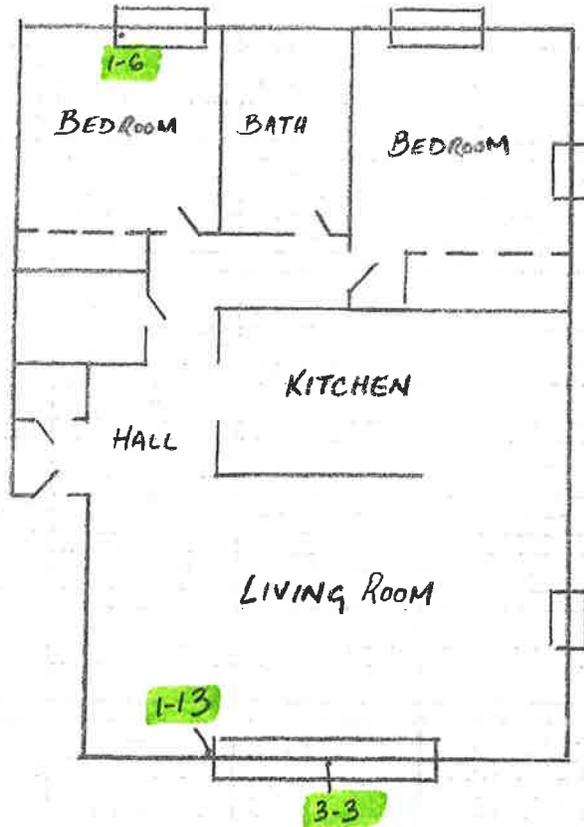
(NOT TO SCALE)

UNIT I 102



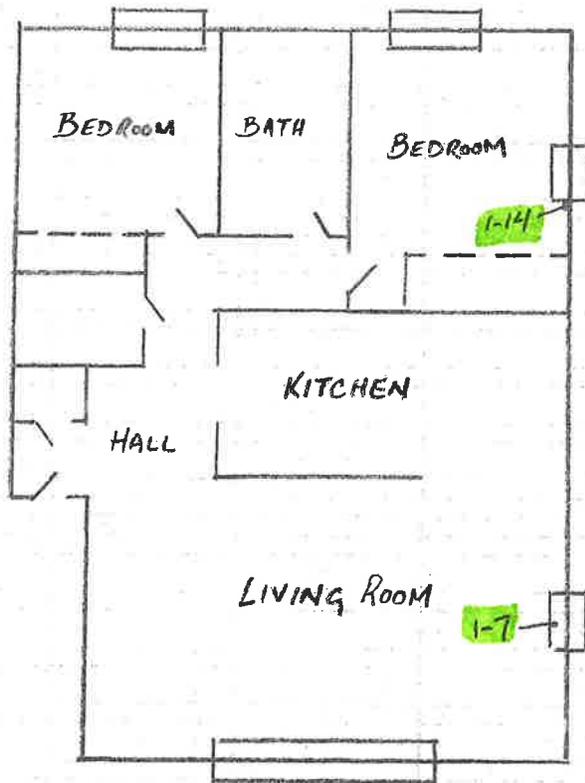
(NOT TO SCALE)

UNIT I 101



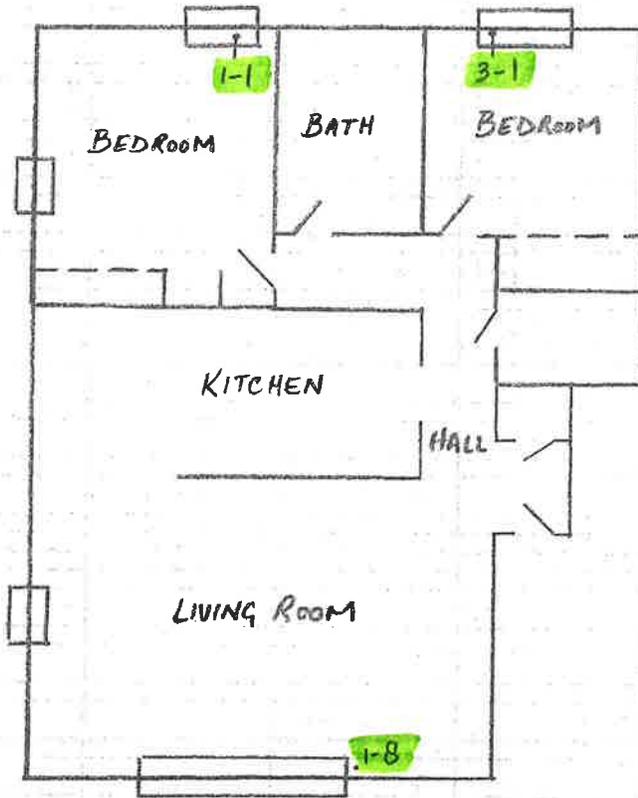
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UNIT I 201



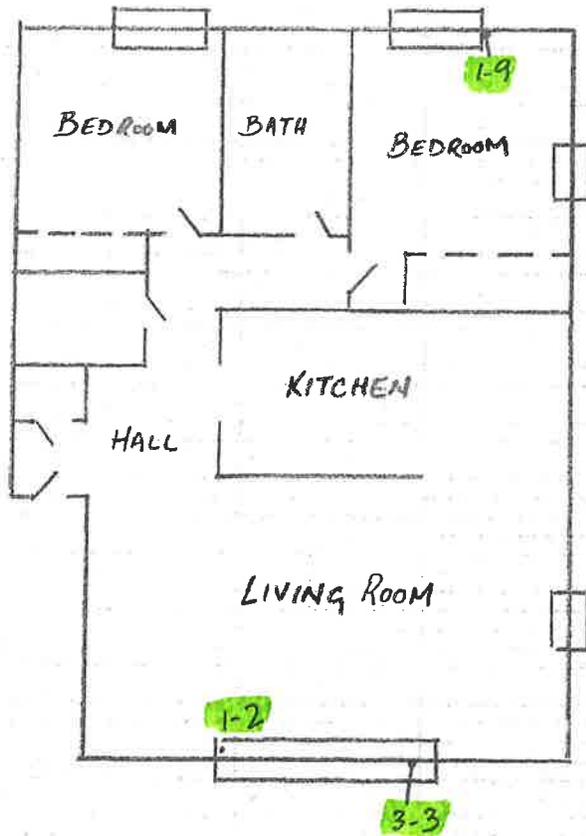
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UNIT J104



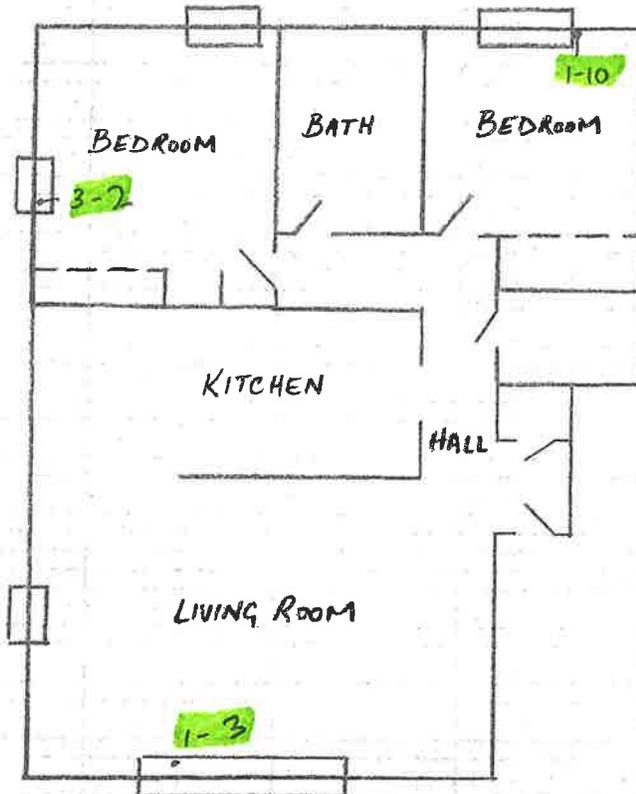
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UNIT J103



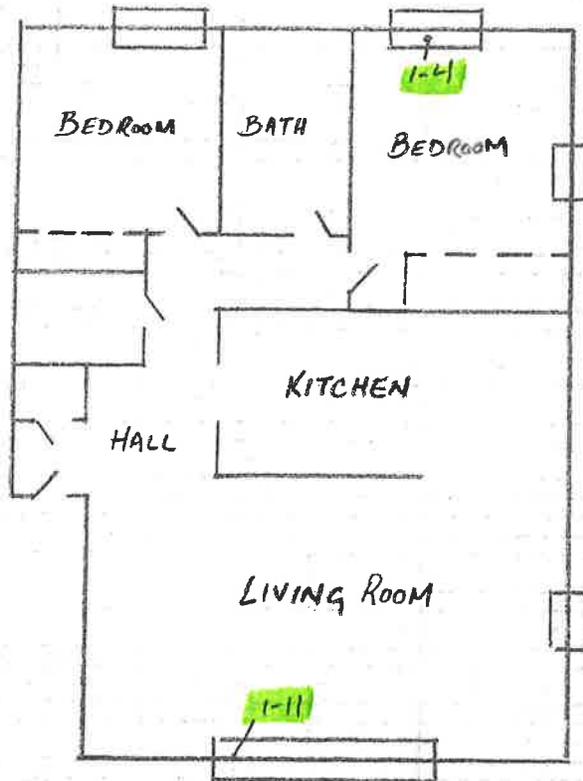
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UNIT J204



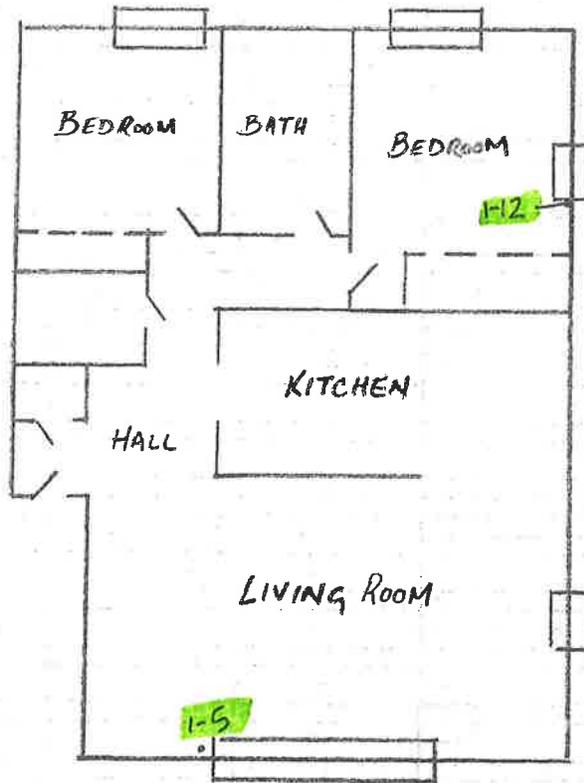
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UNIT J203



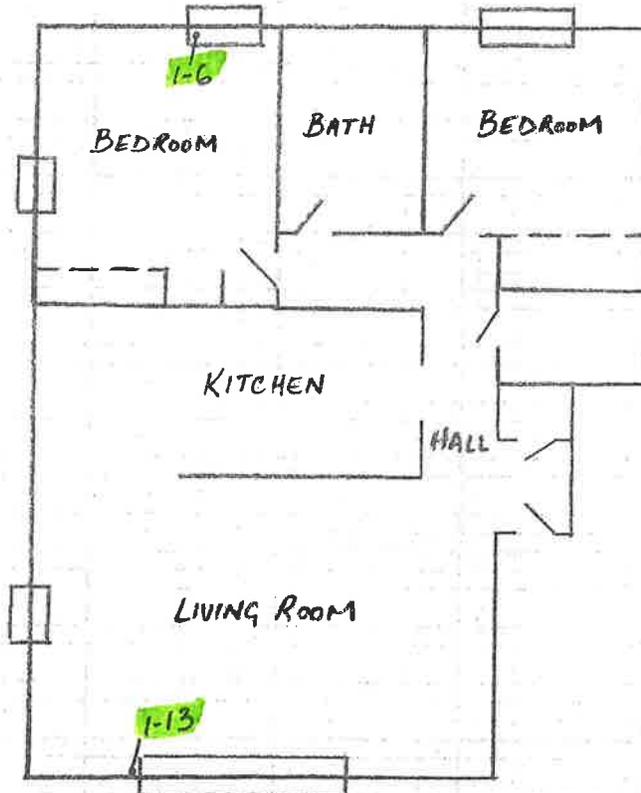
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UNIT J101



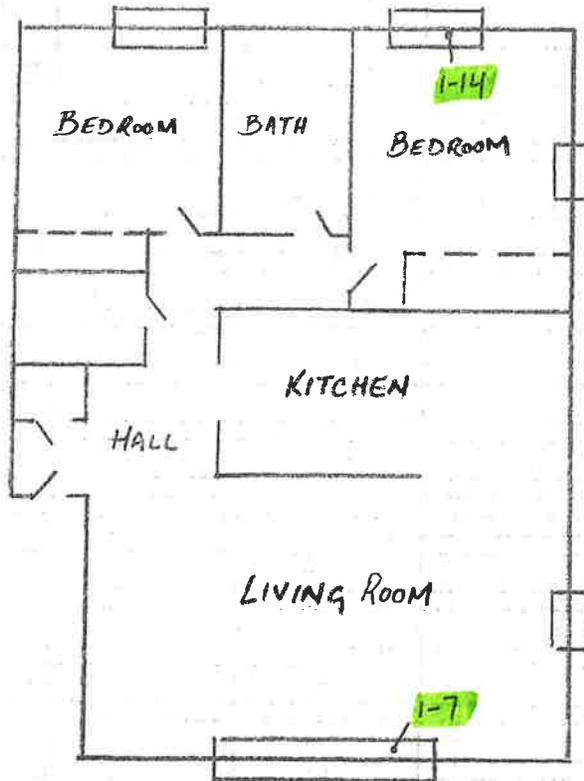
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UNIT J102



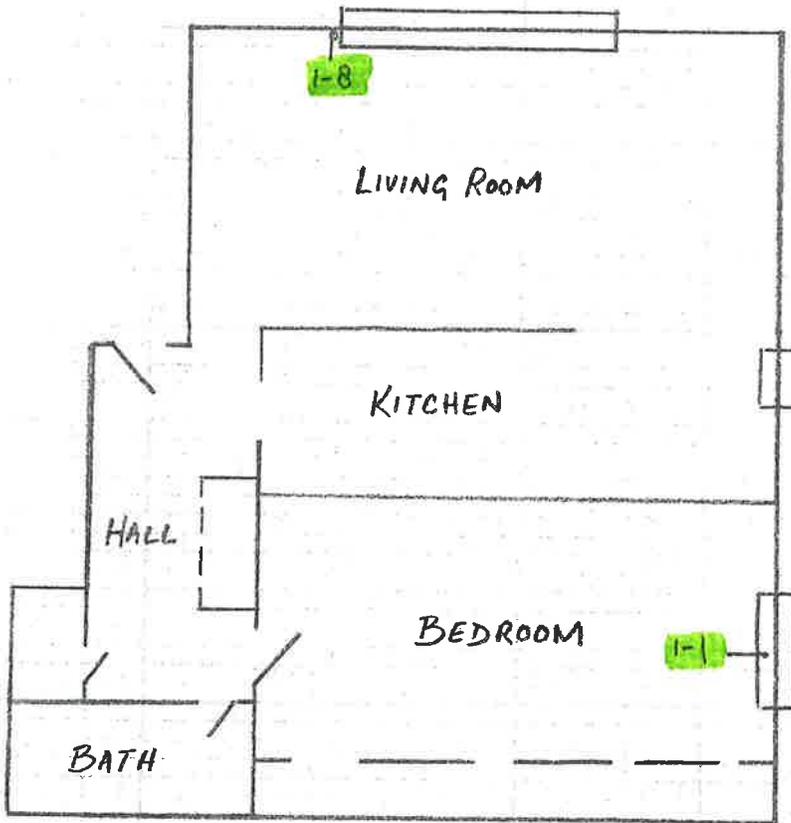
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UNIT J201



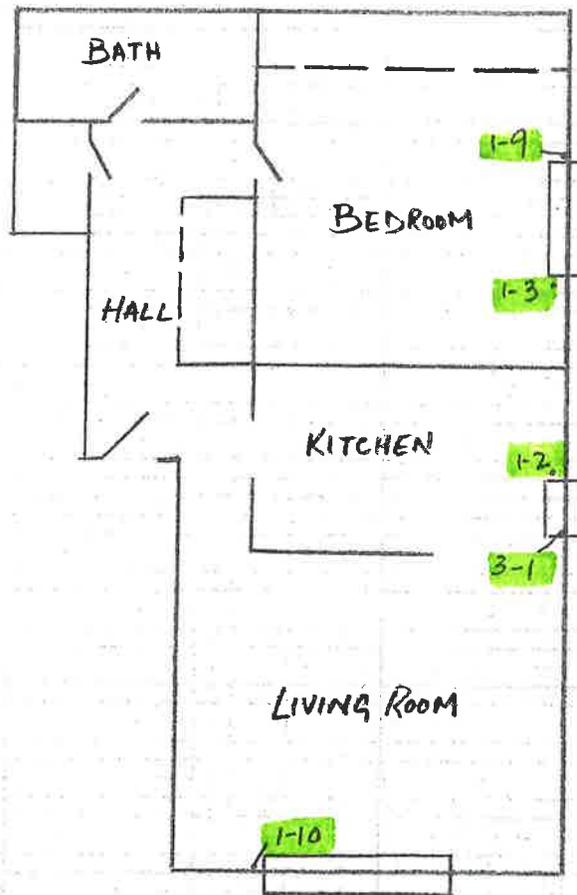
(NOT TO SCALE)

UNIT K103



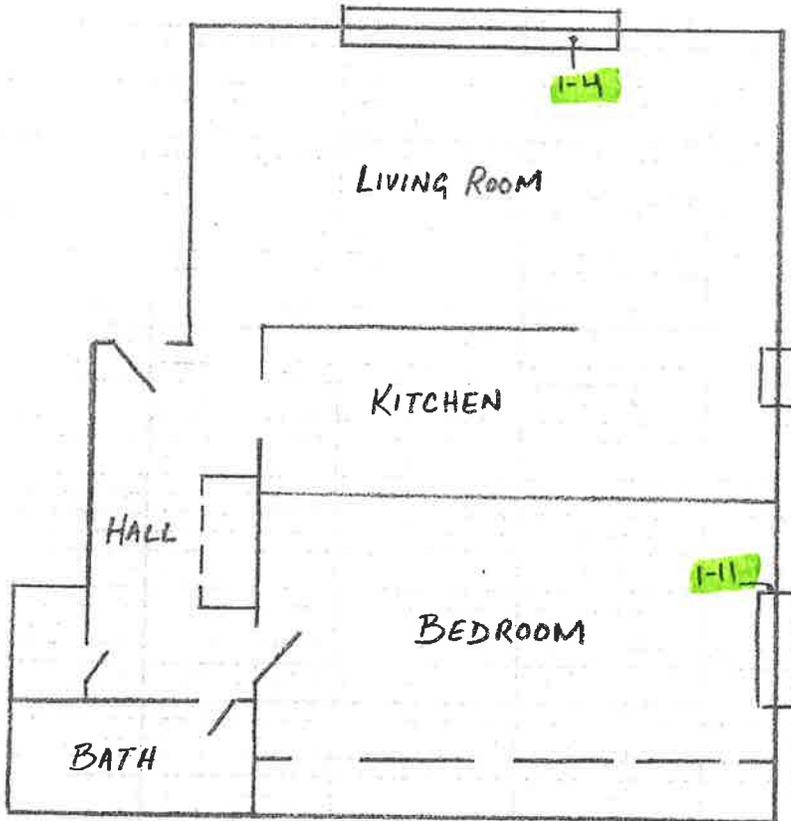
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UNIT K 204



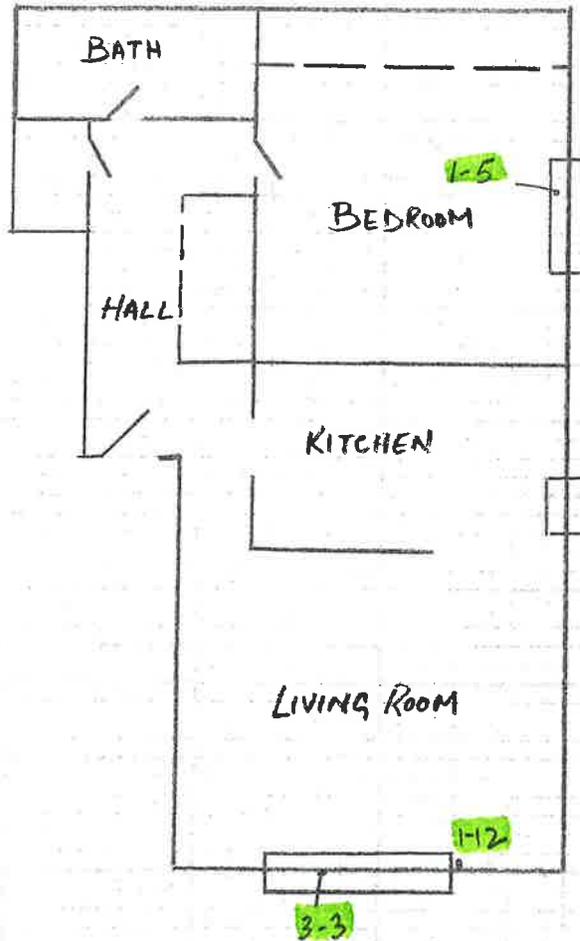
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UNIT K203



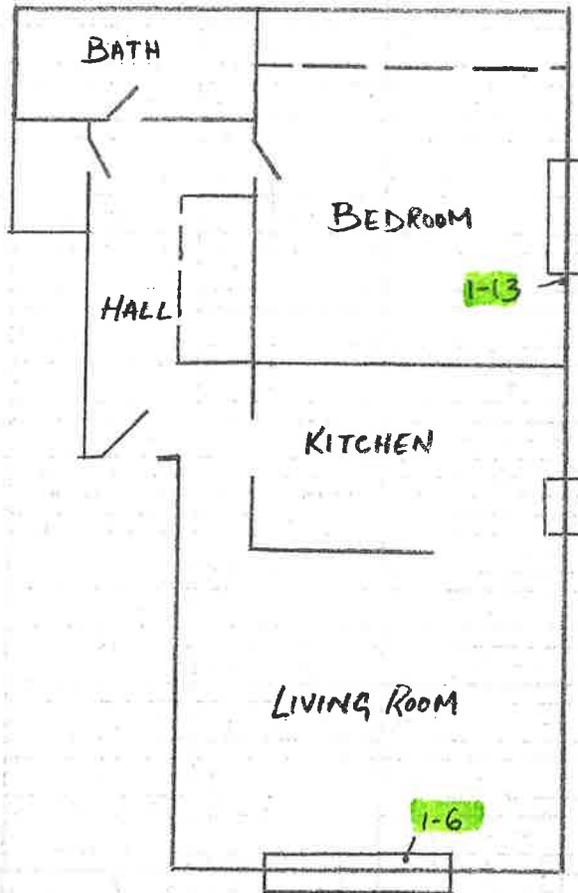
(NOT TO SCALE)

UNIT K101



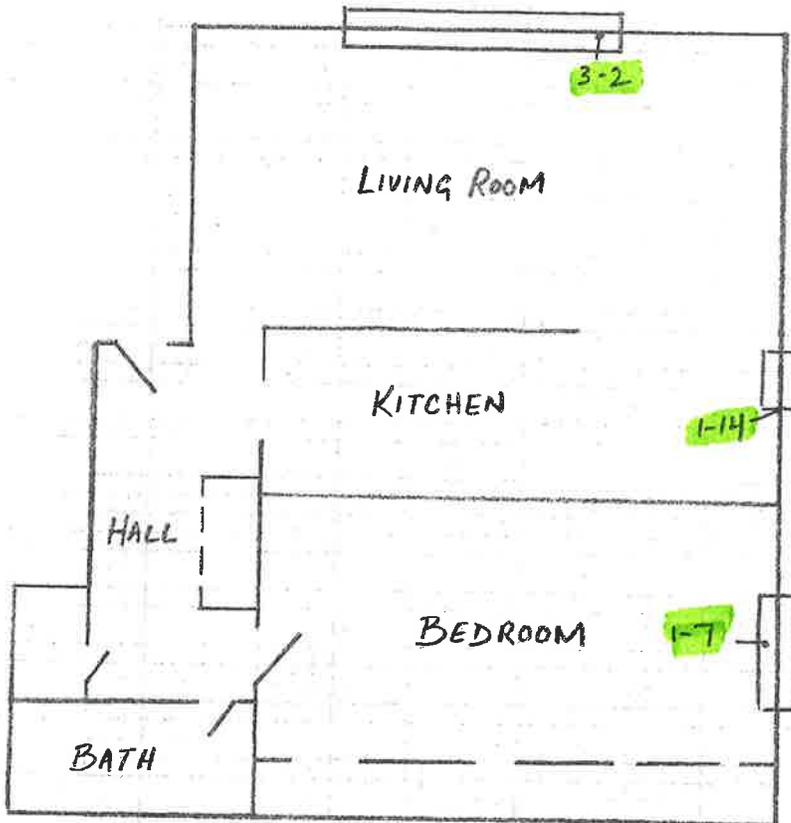
(NOT TO SCALE)

UNIT K201



(NOT TO SCALE)

UNIT K202



(NOT TO SCALE)



Appendix B

Laboratory Analysis Results

November 26, 2019



Derrick Gallard
NVL Field Services Division
4708 Aurora Ave. N.
Seattle, WA 98103

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 1924953.00

Client Project: 2019-0936
Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Dear Mr. Gallard,

Enclosed please find test results for the 17 sample(s) submitted to our laboratory for analysis on 11/22/2019.

Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both **EPA 600/M4-82-020**, Interim Method for the Determination of Asbestos in Bulk Insulation Samples and **EPA 600/R-93/116** Method for the Determination of Asbestos in Bulk Building Materials.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by calibrated visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos.

The detection limit for the calibrated visual estimation is <1%, 400 point counts is 0.25% and 1000 point counts is 0.1%

Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Matt Macfarlane, Asbestos Lab Supervisor

Lab Code: 102063-0

Enc.: Sample Results

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1924953.00

Client Project #: 2019-0936
Date Received: 11/22/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Lab ID: 19136747 **Client Sample #: 2019-0936-A-1-1**

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 1 of 1 **Description:** Off-white lumpy foamy material with paint

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Calcareous binder, Synthetic foam, Paint	None Detected ND	Chrysotile 6%

Lab ID: 19136748 **Client Sample #: 2019-0936-A-1-2** **Sample Status:** **Not Analyzed**

Lab ID: 19136749 **Client Sample #: 2019-0936-A-1-3** **Sample Status:** **Not Analyzed**

Lab ID: 19136750 **Client Sample #: 2019-0936-A-1-4** **Sample Status:** **Not Analyzed**

Lab ID: 19136751 **Client Sample #: 2019-0936-A-1-5** **Sample Status:** **Not Analyzed**

Lab ID: 19136752 **Client Sample #: 2019-0936-A-1-6** **Sample Status:** **Not Analyzed**

Lab ID: 19136753 **Client Sample #: 2019-0936-A-1-7** **Sample Status:** **Not Analyzed**

Lab ID: 19136754 **Client Sample #: 2019-0936-A-1-8**

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Comments: Unsure of correct layer sequence.

Layer 1 of 2 **Description:** Beige compacted powdery material with paper and paint

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Calcareous binder, Calcareous particles, Paint	Cellulose 6%	Chrysotile 2%

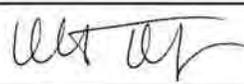
Sampled by: Client

Analyzed by: Tiffany Querry

Date: 11/26/2019

Reviewed by: Matt Macfarlane

Date: 11/26/2019


Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1924953.00
Client Project #: 2019-0936
Date Received: 11/22/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 2 of 2	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Gypsum/Binder, Fine grains	Cellulose 28%		None Detected ND

Lab ID: 19136755 **Client Sample #: 2019-0936-A-1-9**

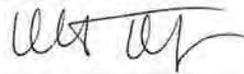
Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Calcareous binder, Calcareous particles, Paint	None Detected ND		Chrysotile 2%
Layer 2 of 3	Description: White compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Calcareous binder, Calcareous particles	Cellulose 13%		Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Gypsum/Binder, Fine grains	Cellulose 27%		None Detected ND

Lab ID: 19136756 **Client Sample #: 2019-0936-A-1-10**

Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Calcareous binder, Calcareous particles, Paint	Cellulose 2%		Chrysotile 2%
Layer 2 of 3	Description: White compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Calcareous binder, Calcareous particles	Cellulose 13%		Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Gypsum/Binder, Fine grains	Cellulose 25%		None Detected ND

Sampled by: Client		
Analyzed by: Tiffany Querry	Date: 11/26/2019	
Reviewed by: Matt Macfarlane	Date: 11/26/2019	Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1924953.00

Client Project #: 2019-0936
Date Received: 11/22/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Glass fibers 7%

Lab ID: 19136757 Client Sample #: 2019-0936-A-1-11

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 1 of 2 Description: White compacted powdery material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Calcareous binder, Calcareous particles, Paint	Cellulose 3%	Chrysotile 2%

Layer 2 of 2 Description: White chalky material with paper

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Gypsum/Binder, Fine grains	Cellulose 25%	None Detected ND
	Glass fibers 6%	

Lab ID: 19136758 Client Sample #: 2019-0936-A-1-12

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 1 of 3 Description: White compacted powdery material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Calcareous binder, Calcareous particles, Paint	Cellulose 2%	Chrysotile 2%

Layer 2 of 3 Description: White compacted powdery material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Calcareous binder, Calcareous particles	Cellulose 12%	Chrysotile 2%

Layer 3 of 3 Description: White chalky material with paper

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Gypsum/Binder, Fine grains	Cellulose 25%	None Detected ND
	Glass fibers 6%	

Lab ID: 19136759 Client Sample #: 2019-0936-A-1-13

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

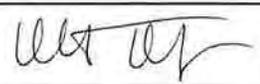
Sampled by: Client

Analyzed by: Tiffany Querry

Reviewed by: Matt Macfarlane

Date: 11/26/2019

Date: 11/26/2019


Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1924953.00
Client Project #: 2019-0936
Date Received: 11/22/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with paint	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
	Calcareous binder, Calcareous particles, Paint		Cellulose 2%	Chrysotile 2%
Layer 2 of 3	Description: White compacted powdery material with paint	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
	Calcareous binder, Calcareous particles		Cellulose 14%	Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
	Gypsum/Binder, Fine grains		Cellulose 25%	None Detected ND
			Glass fibers 5%	

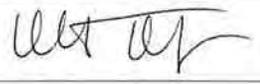
Lab ID: 19136760 Client Sample #: 2019-0936-A-1-14

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with paint	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
	Calcareous binder, Calcareous particles, Paint		Cellulose 2%	Chrysotile 2%
Layer 2 of 3	Description: White compacted powdery material with paint	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
	Calcareous binder, Calcareous particles		Cellulose 13%	Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
	Gypsum/Binder, Fine grains		Cellulose 26%	None Detected ND
			Glass fibers 5%	

Lab ID: 19136761 Client Sample #: 2019-0936-A-3-1

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Sampled by: Client		
Analyzed by: Tiffany Querry	Date: 11/26/2019	
Reviewed by: Matt Macfarlane	Date: 11/26/2019	Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1924953.00

Client Project #: 2019-0936
Date Received: 11/22/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 1 of 1	Description: Off-white soft rubbery material with paint			
		Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
		Binder/Filler, Fine particles, Paint	None Detected ND	None Detected ND

Lab ID: 19136762 **Client Sample #: 2019-0936-A-3-2**
Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 1 of 1	Description: Off-white soft rubbery material with paint			
		Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
		Binder/Filler, Fine particles, Paint	None Detected ND	None Detected ND

Lab ID: 19136763 **Client Sample #: 2019-0936-A-3-3**
Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 1 of 1	Description: Off-white soft rubbery material with paint			
		Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
		Binder/Filler, Fine particles, Paint	None Detected ND	None Detected ND

Sampled by: Client

Analyzed by: Tiffany Querry

Date: 11/26/2019

Reviewed by: Matt Macfarlane

Date: 11/26/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

ASBESTOS LABORATORY SERVICES



Company NVL Field Services Division	NVL Batch Number 1924953.00
Address 4708 Aurora Ave. N. Seattle, WA 98103	TAT 2 Days AH No
	Rush TAT
Project Manager Mr. Derrick Gallard	Due Date 11/26/2019 Time 4:40 PM
Phone (206) 547-0100	Email derrick.g@nvlabs.com
Cell (206) 707-3236	Fax (206) 634-1936

Project Name/Number: 2019-0936 **Project Location:** "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Subcategory PLM Bulk
Item Code ASB-02 EPA 600/R-93-116 Asbestos by PLM <bulk>

Total Number of Samples 17 **Rush Samples**

Lab ID	Sample ID	Description	A/R	
1	19136747	2019-0936-A-1-1	Stop at first positive	A
2	19136748	2019-0936-A-1-2	***	A
3	19136749	2019-0936-A-1-3	***	A
4	19136750	2019-0936-A-1-4	***	A
5	19136751	2019-0936-A-1-5	***	A
6	19136752	2019-0936-A-1-6	***	A
7	19136753	2019-0936-A-1-7	***	A
8	19136754	2019-0936-A-1-8		A
9	19136755	2019-0936-A-1-9		A
10	19136756	2019-0936-A-1-10		A
11	19136757	2019-0936-A-1-11		A
12	19136758	2019-0936-A-1-12		A
13	19136759	2019-0936-A-1-13		A
14	19136760	2019-0936-A-1-14		A
15	19136761	2019-0936-A-3-1		A
16	19136762	2019-0936-A-3-2		A
17	19136763	2019-0936-A-3-3		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	11/22/19	1640
Analyzed by	Tiffany Query		NVL	11/26/19	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions: _____

Date: 11/22/2019
 Time: 5:05 PM
 Entered By: Kelly AuVu

CHAIN of CUSTODY SAMPLE LOG

1924953

INDUSTRIAL HYGIENE SERVICES
LABORATORY • MANAGEMENT • TRAINING

Client NVL Laboratories Inc
Street 4708 Aurora Ave N
 Seattle, WA 98103
Project Manager Syed Hasan
Project Location "Bellepark East" - 16241 NE 13th Pl,
 Bellevue, WA 98008

NVL Batch Number _____
Client Job Number 2019-0936
Total Samples 17
Turn Around Time 1 Hr 6 Hrs 3 Days 10 Days
 2 Hrs 1 Day 4 Days
 4 Hrs 2 Days 5 Days

Please call for TAT less than 24 Hr:

Email address hughw@kcha.org

Phone: (206) 574-1230 **Fax:** (206) 357-2441 **Cell** (206) 979-0826

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input checked="" type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		2019-0936-A-1-1	STOP @ 1st POSITIVE	2019-0936-A-3-2
2		-1-2	↓	↓ 3-3
3		-1-3		
4		1-4		
5		1-5		
6		1-6		
7		1-7		
8		1-8		
9		1-9		
10		1-10		
11		1-11		
12		1-12		
13		1-13		
14		1-14		
15		3-1		

	Print Below	Sign Below	Company	Date	Time
Sampled by	DERRICK		NVL	11-22-19	9:00
Relinquished by	DERRICK		NVL	11-22-19	4:35
Received by			NVL	11/22/19	1640
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Results report to _____

November 26, 2019



Derrick Gallard
NVL Field Services Division
4708 Aurora Ave. N.
Seattle, WA 98103

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 1924955.00

Client Project: 2019-0936
Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Dear Mr. Gallard,

Enclosed please find test results for the 17 sample(s) submitted to our laboratory for analysis on 11/22/2019.

Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both **EPA 600/M4-82-020**, Interim Method for the Determination of Asbestos in Bulk Insulation Samples and **EPA 600/R-93/116** Method for the Determination of Asbestos in Bulk Building Materials.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by calibrated visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos.

The detection limit for the calibrated visual estimation is <1%, 400 point counts is 0.25% and 1000 point counts is 0.1%

Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Ly".

Nick Ly, Technical Director

The logo for NVLAP (National Voluntary Laboratory Accreditation Program). It consists of the letters "NVLAP" in a stylized, outlined, sans-serif font. The "A" and "P" are slightly larger and more prominent.

Lab Code: 102063-0

Enc.: Sample Results

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1924955.00

Client Project #: 2019-0936
Date Received: 11/22/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Lab ID: 19136770 **Client Sample #: 2019-0936-B-1-1**

Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 1 of 1 **Description:** White lumpy foamy material with paint

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Calcareous binder, Sand, Paint	Cellulose 1%	Chrysotile 6%

Lab ID: 19136771 **Client Sample #: 2019-0936-B-1-2** **Sample Status:** **Not Analyzed**

Lab ID: 19136772 **Client Sample #: 2019-0936-B-1-3** **Sample Status:** **Not Analyzed**

Lab ID: 19136773 **Client Sample #: 2019-0936-B-1-4** **Sample Status:** **Not Analyzed**

Lab ID: 19136774 **Client Sample #: 2019-0936-B-1-5** **Sample Status:** **Not Analyzed**

Lab ID: 19136775 **Client Sample #: 2019-0936-B-1-6** **Sample Status:** **Not Analyzed**

Lab ID: 19136776 **Client Sample #: 2019-0936-B-1-7** **Sample Status:** **Not Analyzed**

Lab ID: 19136777 **Client Sample #: 2019-0936-B-1-8**

Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 1 of 3 **Description:** White/off-white compacted powdery material with paint

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Calcareous binder, Paint	None Detected ND	Chrysotile 2%

Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Nick Ly

Date: 11/26/2019

Date: 11/26/2019

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
 Address: 4708 Aurora Ave. N.
 Seattle, WA 98103

Batch #: 1924955.00

Client Project #: 2019-0936
 Date Received: 11/22/2019
 Samples Received: 17
 Samples Analyzed: 11
 Method: EPA/600/R-93/116
 & EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 2 of 3	Description: White/off-white compacted powdery material with paper	Non-Fibrous Materials: Calcareous binder	Other Fibrous Materials:% Cellulose 32%	Asbestos Type: % Chrysotile <1%
Layer 3 of 3	Description: Chalky white material with paper	Non-Fibrous Materials: Gypsum/Binder	Other Fibrous Materials:% Cellulose 12%	Asbestos Type: % None Detected ND

Lab ID: 19136778 Client Sample #: 2019-0936-B-1-9

Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 1 of 3	Description: White/off-white compacted powdery material with paint	Non-Fibrous Materials: Calcareous binder, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % Chrysotile 4%
Layer 2 of 3	Description: White/off-white compacted powdery material with paper	Non-Fibrous Materials: Calcareous binder	Other Fibrous Materials:% Cellulose 35%	Asbestos Type: % Chrysotile <1%
Layer 3 of 3	Description: Chalky white material with paper	Non-Fibrous Materials: Gypsum/Binder	Other Fibrous Materials:% Cellulose 10% Glass fibers 2%	Asbestos Type: % None Detected ND

Lab ID: 19136779 Client Sample #: 2019-0936-B-1-10

Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 1 of 3	Description: White/off-white compacted powdery material with paint	Non-Fibrous Materials: Calcareous binder, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % Chrysotile 3%
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Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Nick Ly

Date: 11/26/2019

Date: 11/26/2019



Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
 Address: 4708 Aurora Ave. N.
 Seattle, WA 98103

Batch #: 1924955.00
 Client Project #: 2019-0936
 Date Received: 11/22/2019
 Samples Received: 17
 Samples Analyzed: 11
 Method: EPA/600/R-93/116
 & EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 2 of 3	Description: White/off-white compacted powdery material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Calcareous binder	Cellulose 35%	Chrysotile <1%
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Gypsum/Binder	Cellulose 10%	None Detected ND

Lab ID: 19136780 Client Sample #: 2019-0936-B-1-11

Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 1 of 4	Description: White/off-white compacted powdery material with paint	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Calcareous binder, Paint	None Detected ND	Chrysotile 2%
Layer 2 of 4	Description: White/off-white compacted powdery material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Calcareous binder	Cellulose 40%	Chrysotile <1%
Layer 3 of 4	Description: White compacted powdery material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Calcareous binder	Cellulose 35%	None Detected ND
Layer 4 of 4	Description: White chalky material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Gypsum/Binder, Mica	Cellulose 15%	None Detected ND
			Glass fibers 2%	

Lab ID: 19136781 Client Sample #: 2019-0936-B-1-12

Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Nick Ly

Date: 11/26/2019

Date: 11/26/2019



Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
 Address: 4708 Aurora Ave. N.
 Seattle, WA 98103

Batch #: 1924955.00

Client Project #: 2019-0936
 Date Received: 11/22/2019
 Samples Received: 17
 Samples Analyzed: 11
 Method: EPA/600/R-93/116
 & EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 1 of 3	Description: White/off-white compacted powdery material with paint	Non-Fibrous Materials: Calcareous binder, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % Chrysotile 4%
Layer 2 of 3	Description: White compacted powdery material with paper	Non-Fibrous Materials: Calcareous binder	Other Fibrous Materials:% Cellulose 40%	Asbestos Type: % None Detected ND
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials: Gypsum/Binder	Other Fibrous Materials:% Cellulose 15%	Asbestos Type: % None Detected ND

Lab ID: 19136782 Client Sample #: 2019-0936-B-1-13

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 1 of 3	Description: White/off-white compacted powdery material with paint	Non-Fibrous Materials: Calcareous binder, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % Chrysotile 3%
Layer 2 of 3	Description: White compacted powdery material with paper	Non-Fibrous Materials: Calcareous binder	Other Fibrous Materials:% Cellulose 30%	Asbestos Type: % Chrysotile <1%
Layer 3 of 3	Description: Chalky white material with paper	Non-Fibrous Materials: Gypsum/Binder	Other Fibrous Materials:% Cellulose 21%	Asbestos Type: % None Detected ND

Lab ID: 19136783 Client Sample #: 2019-0936-B-1-14

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 1 of 3	Description: White/off-white compacted powdery material with paint	Non-Fibrous Materials: Calcareous binder, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % Chrysotile 4%
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Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Nick Ly

Date: 11/26/2019

Date: 11/26/2019


 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1924955.00
Client Project #: 2019-0936
Date Received: 11/22/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 2 of 3	Description: White compacted powdery material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Gypsum/Binder	Cellulose 32%	None Detected ND
Layer 3 of 3	Description: Pink chalky material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Gypsum/Binder	Cellulose 15%	None Detected ND

Lab ID: 19136784 **Client Sample #: 2019-0936-B-3-1**
Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 1 of 2	Description: White rubbery material with paint	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Rubber/Binder, Paint	None Detected ND	None Detected ND
Layer 2 of 2	Description: White rubbery material with paint	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Rubber/Binder, Paint	None Detected ND	None Detected ND

Lab ID: 19136785 **Client Sample #: 2019-0936-B-3-2**
Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 1 of 1	Description: White rubbery material with paint	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Rubber/Binder, Paint, Fine particles	Cellulose <1%	None Detected ND

Lab ID: 19136786 **Client Sample #: 2019-0936-B-3-3**
Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 1 of 1	Description: Soft white rubbery material with paint & trace brown rubbery material	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Rubber/Binder, Paint, Fine grains	Cellulose 6%	None Detected ND
		Fine particles		

Sampled by: Client		
Analyzed by: Matt Macfarlane	Date: 11/26/2019	
Reviewed by: Nick Ly	Date: 11/26/2019	Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

ASBESTOS LABORATORY SERVICES



Company NVL Field Services Division
Address 4708 Aurora Ave. N.
 Seattle, WA 98103
Project Manager Mr. Derrick Gallard
Phone (206) 547-0100
Cell (206) 707-3236
NVL Batch Number **1924955.00**
TAT 2 Days **AH** No
Rush TAT
Due Date 11/26/2019 **Time** 4:40 PM
Email derrick.g@nvlabs.com
Fax (206) 634-1936

Project Name/Number: 2019-0936 **Project Location:** "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Subcategory PLM Bulk
Item Code ASB-02 EPA 600/R-93-116 Asbestos by PLM <bulk>

Total Number of Samples 17 Rush Samples

Lab ID	Sample ID	Description	A/R	
1	19136770	2019-0936-B-1-1	Stop at first positive	A
2	19136771	2019-0936-B-1-2	***	A
3	19136772	2019-0936-B-1-3	***	A
4	19136773	2019-0936-B-1-4	***	A
5	19136774	2019-0936-B-1-5	***	A
6	19136775	2019-0936-B-1-6	***	A
7	19136776	2019-0936-B-1-7	***	A
8	19136777	2019-0936-B-1-8		A
9	19136778	2019-0936-B-1-9		A
10	19136779	2019-0936-B-1-10		A
11	19136780	2019-0936-B-1-11		A
12	19136781	2019-0936-B-1-12		A
13	19136782	2019-0936-B-1-13		A
14	19136783	2019-0936-B-1-14		A
15	19136784	2019-0936-B-3-1		A
16	19136785	2019-0936-B-3-2		A
17	19136786	2019-0936-B-3-3		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	11/22/19	1640
Analyzed by	Matt Macfarlane		NVL	11/26/19	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions:

Date: 11/22/2019
 Time: 5:12 PM
 Entered By: Kelly AuVu

1924955

CHAIN of CUSTODY SAMPLE LOG

INDUSTRIAL HYGIENE SERVICES
LABORATORY • MANAGEMENT • TRAINING

Client NVL Laboratories Inc
 Street 4708 Aurora Ave N
 Seattle, WA 98103
 Project Manager Syed Hasan
 Project Location "Bellepark East" - 16241 NE 13th Pl,
 Bellevue, WA 98008

NVL Batch Number _____
 Client Job Number 2019-0936
 Total Samples 17
 Turn Around Time 1 Hr 6 Hrs 3 Days 10 Days
 2 Hrs 1 Day 4 Days
 4 Hrs 2 Days 5 Days

Please call for TAT less than 24 Hr:

Email address huqhw@kcha.org

Phone: (206) 574-1230 Fax: (206) 357-2441

Cell (206) 979-0826

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input checked="" type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		<input type="checkbox"/> Zinc (Zn)
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		2019-0936-B-14	STOP @ 1 ST POSITIVE	
2		1-2		
3		1-3		
4		1-4		
5		1-5		
6		1-6		
7		1-7		
8		1-8		
9		1-9		
10		1-10		
11		1-11		
12		1-12		
13		1-13		
14		1-14		
15		3-1		

	Print Below	Sign Below	Company	Date	Time
Sampled by	DERRICK		NVL	11-22-19	9:40
Relinquished by	DERRICK		NVL	11-22-19	9:35
Received by	Kelly		NVL	11/22/19	10:40
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
 Results report to

November 26, 2019



Derrick Gallard
NVL Field Services Division
4708 Aurora Ave. N.
Seattle, WA 98103

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 1924956.00

Client Project: 2019-0936

Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Dear Mr. Gallard,

Enclosed please find test results for the 17 sample(s) submitted to our laboratory for analysis on 11/22/2019.

Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both **EPA 600/M4-82-020**, Interim Method for the Determination of Asbestos in Bulk Insulation Samples and **EPA 600/R-93/116** Method for the Determination of Asbestos in Bulk Building Materials.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by calibrated visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos.

The detection limit for the calibrated visual estimation is <1%, 400 point counts is 0.25% and 1000 point counts is 0.1%

Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Ly".

Nick Ly, Technical Director



Lab Code: 102063-0

Enc.: Sample Results

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1924956.00

Client Project #: 2019-0936
Date Received: 11/22/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Lab ID: 19136787 Client Sample #: 2019-0936-C-1-1

Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 1 of 1 Description: White lumpy foamy material with paint

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Calcareous binder, Paint, Synthetic foam	None Detected ND	Chrysotile 8%

Lab ID: 19136788 Client Sample #: 2019-0936-C-1-2 Sample Status: Not Analyzed

Lab ID: 19136789 Client Sample #: 2019-0936-C-1-3 Sample Status: Not Analyzed

Lab ID: 19136790 Client Sample #: 2019-0936-C-1-4 Sample Status: Not Analyzed

Lab ID: 19136791 Client Sample #: 2019-0936-C-1-5 Sample Status: Not Analyzed

Lab ID: 19136792 Client Sample #: 2019-0936-C-1-6 Sample Status: Not Analyzed

Lab ID: 19136793 Client Sample #: 2019-0936-C-1-7 Sample Status: Not Analyzed

Lab ID: 19136794 Client Sample #: 2019-0936-C-1-8

Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 1 of 3 Description: White compacted powdery material with multilayered paint

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Calcareous binder, Paint	Cellulose <1%	None Detected ND

Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Nick Ly

Date: 11/26/2019

Date: 11/26/2019



Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1924956.00
Client Project #: 2019-0936
Date Received: 11/22/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 2 of 3	Description: White compacted powdery material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: % None Detected ND
		Calcareous binder	Cellulose 36%	
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: % None Detected ND
		Gypsum/Binder	Cellulose 15%	

Lab ID: 19136795	Client Sample #: 2019-0936-C-1-9			
Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008				
Layer 1 of 4	Description: White compacted powdery material with paint	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: % None Detected ND
		Calcareous binder, Paint	None Detected ND	
Layer 2 of 4	Description: White/off-white compacted powdery material with paint	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: % Chrysotile <1%
		Calcareous binder, Paint	None Detected ND	
Layer 3 of 4	Description: White compacted powdery material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: % Chrysotile <1%
		Calcareous binder	Cellulose 40%	
Layer 4 of 4	Description: Chalky white material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: % None Detected ND
		Gypsum/Binder, Mica	Cellulose 13%	
			Glass fibers 2%	

Lab ID: 19136796 **Client Sample #: 2019-0936-C-1-10**
Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Sampled by: Client	 _____ Nick Ly, Technical Director
Analyzed by: Matt Macfarlane	
Reviewed by: Nick Ly	
Date: 11/26/2019	
Date: 11/26/2019	

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1924956.00

Client Project #: 2019-0936
Date Received: 11/22/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 1 of 3	Description: White/off-white compacted powdery material with paint	Non-Fibrous Materials: Calcareous binder, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % Chrysotile 2%
Layer 2 of 3	Description: Off-white compacted powdery material with paper	Non-Fibrous Materials: Calcareous binder	Other Fibrous Materials:% Cellulose 40%	Asbestos Type: % Chrysotile <1%
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials: Gypsum/Binder	Other Fibrous Materials:% Cellulose 10%	Asbestos Type: % None Detected ND

Lab ID: 19136797 **Client Sample #: 2019-0936-C-1-11**

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 1 of 3	Description: White/off-white compacted powdery material with paint	Non-Fibrous Materials: Calcareous binder, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % Chrysotile 2%
Layer 2 of 3	Description: White compacted powdery material with paper	Non-Fibrous Materials: Calcareous binder	Other Fibrous Materials:% Cellulose 33%	Asbestos Type: % None Detected ND
Layer 3 of 3	Description: Chalky white material with paper	Non-Fibrous Materials: Gypsum/Binder	Other Fibrous Materials:% Cellulose 10% Glass fibers 2%	Asbestos Type: % None Detected ND

Lab ID: 19136798 **Client Sample #: 2019-0936-C-1-12**

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Nick Ly

Date: 11/26/2019

Date: 11/26/2019

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1924956.00
Client Project #: 2019-0936
Date Received: 11/22/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with paint	Non-Fibrous Materials: Calcareous binder, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
Layer 2 of 3	Description: White/off-white compacted powdery material with paint	Non-Fibrous Materials: Calcareous binder, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % Chrysotile 3%
Layer 3 of 3	Description: Off-white chalky material with paper	Non-Fibrous Materials: Gypsum/Binder	Other Fibrous Materials:% Cellulose 10%	Asbestos Type: % None Detected ND

Lab ID: 19136799 **Client Sample #: 2019-0936-C-1-13**

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 1 of 3	Description: White/off-white compacted powdery material with paint	Non-Fibrous Materials: Calcareous binder, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % Chrysotile 2%
Layer 2 of 3	Description: White compacted powdery material with paper	Non-Fibrous Materials: Calcareous binder	Other Fibrous Materials:% Cellulose 40%	Asbestos Type: % None Detected ND
Layer 3 of 3	Description: Chalky white material with paper	Non-Fibrous Materials: Gypsum/Binder	Other Fibrous Materials:% Cellulose 10%	Asbestos Type: % None Detected ND

Lab ID: 19136800 **Client Sample #: 2019-0936-C-1-14**

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 1 of 3	Description: White/off-white compacted powdery material with paint	Non-Fibrous Materials: Calcareous binder, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % Chrysotile 2%
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Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Nick Ly

Date: 11/26/2019

Date: 11/26/2019

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
 Address: 4708 Aurora Ave. N.
 Seattle, WA 98103

Batch #: 1924956.00
 Client Project #: 2019-0936
 Date Received: 11/22/2019
 Samples Received: 17
 Samples Analyzed: 11
 Method: EPA/600/R-93/116
 & EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 2 of 3	Description: White compacted powdery material with paper	Non-Fibrous Materials: Calcareous binder	Other Fibrous Materials:% Cellulose 30%	Asbestos Type: % None Detected ND
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials: Gypsum/Binder, Mica	Other Fibrous Materials:% Cellulose 11% Glass fibers 2%	Asbestos Type: % None Detected ND

Lab ID: 19136801 **Client Sample #: 2019-0936-C-3-1**
 Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 1 of 1	Description: White rubbery material with paint	Non-Fibrous Materials: Rubber/Binder, Paint, Fine particles	Other Fibrous Materials:% Cellulose <1%	Asbestos Type: % None Detected ND
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Lab ID: 19136802 **Client Sample #: 2019-0936-C-3-2**
 Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 1 of 2	Description: White rubbery material with paint	Non-Fibrous Materials: Rubber/Binder, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
Layer 2 of 2	Description: Off-white rubbery material with paint	Non-Fibrous Materials: Rubber/Binder, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND

Lab ID: 19136803 **Client Sample #: 2019-0936-C-3-3**
 Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 1 of 2	Description: Tan rubbery material with paint	Non-Fibrous Materials: Rubber/Binder, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
---------------------	---	--	---	--

Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Nick Ly

Date: 11/26/2019

Date: 11/26/2019


 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1924956.00

Client Project #: 2019-0936

Date Received: 11/22/2019

Samples Received: 17

Samples Analyzed: 11

Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 2 of 2 **Description:** Brown fibrous material with pink translucent adhesive

Non-Fibrous Materials:
Adhesive/Binder

Other Fibrous Materials:%
Wood fibers 59%

Asbestos Type: %
None Detected ND

Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Nick Ly

Date: 11/26/2019

Date: 11/26/2019

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

ASBESTOS LABORATORY SERVICES



Company NVL Field Services Division	NVL Batch Number 1924956.00
Address 4708 Aurora Ave. N. Seattle, WA 98103	TAT 2 Days AH No
Project Manager Mr. Derrick Gallard	Rush TAT
Phone (206) 547-0100	Due Date 11/26/2019 Time 4:40 PM
Cell (206) 707-3236	Email derrick.g@nvlabs.com
	Fax (206) 634-1936

Project Name/Number: 2019-0936 **Project Location:** "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Subcategory PLM Bulk
Item Code ASB-02 EPA 600/R-93-116 Asbestos by PLM <bulk>

Total Number of Samples 17 **Rush Samples**

Lab ID	Sample ID	Description	A/R	
1	19136787	2019-0936-C-1-1	Stop at first positive	A
2	19136788	2019-0936-C-1-2	***	A
3	19136789	2019-0936-C-1-3	***	A
4	19136790	2019-0936-C-1-4	***	A
5	19136791	2019-0936-C-1-5	***	A
6	19136792	2019-0936-C-1-6	***	A
7	19136793	2019-0936-C-1-7	***	A
8	19136794	2019-0936-C-1-8		A
9	19136795	2019-0936-C-1-9		A
10	19136796	2019-0936-C-1-10		A
11	19136797	2019-0936-C-1-11		A
12	19136798	2019-0936-C-1-12		A
13	19136799	2019-0936-C-1-13		A
14	19136800	2019-0936-C-1-14		A
15	19136801	2019-0936-C-3-1		A
16	19136802	2019-0936-C-3-2		A
17	19136803	2019-0936-C-3-3		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	11/22/19	1640
Analyzed by	Matt Macfarlane		NVL	11/26/19	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions:

Date: 11/22/2019
 Time: 5:21 PM
 Entered By: Kelly AuVu

CHAIN of CUSTODY SAMPLE LOG

1924956

INDUSTRIAL HYGIENE SERVICES
LABORATORY • MANAGEMENT • TRAINING

Client NVL Laboratories Inc
Street 4708 Aurora Ave N
 Seattle, WA 98103
Project Manager Syed Hasan
Project Location "Bellepark East" - 16241 NE 13th Pl,
 Bellevue, WA 98008

NVL Batch Number
Client Job Number 2019-0936
Total Samples 17
Turn Around Time 1 Hr 6 Hrs 3 Days 10 Days
 2 Hrs 1 Day 4 Days
 4 Hrs 2 Days 5 Days

Please call for TAT less than 24 Hr:

Email address hughw@kcha.org

Phone: (206) 574-1230 **Fax:** (206) 357-2441

Cell (206) 979-0826

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input checked="" type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		2019-0936-C-1-1	STOP @ 1ST POSITIVE	2019-0936-C-3-2
2		1-2	↓	↓ 3-3
3		1-3		
4		1-4		
5		1-5		
6		1-6		
7		1-7		
8		1-8		
9		1-9		
10		1-10		
11		1-11		
12		1-12		
13		1-13		
14		1-14		
15		3-1		

	Print Below	Sign Below	Company	Date	Time
Sampled by	DERRICK		NVL	11-22-19	9:00
Relinquished by	DERRICK		NVL	11-22-19	4:35
Received by			NVL	11/22/19	1640
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Results report to

November 26, 2019



Derrick Gallard
NVL Field Services Division
4708 Aurora Ave. N.
Seattle, WA 98103

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 1924957.00

Client Project: 2019-0936
Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Dear Mr. Gallard,

Enclosed please find test results for the 17 sample(s) submitted to our laboratory for analysis on 11/22/2019.

Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both **EPA 600/M4-82-020**, Interim Method for the Determination of Asbestos in Bulk Insulation Samples and **EPA 600/R-93/116** Method for the Determination of Asbestos in Bulk Building Materials.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by calibrated visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos.

The detection limit for the calibrated visual estimation is <1%, 400 point counts is 0.25% and 1000 point counts is 0.1%

Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Matt Macfarlane, Asbestos Lab Supervisor



Lab Code: 102063-0

Enc.: Sample Results

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1924957.00

Client Project #: 2019-0936
Date Received: 11/22/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Lab ID: 19136804 **Client Sample #: 2019-0936-D-1-1**

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 1 of 1 **Description:** White lumpy foamy material with paint

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Binder/Filler, Synthetic foam, Fine grains	None Detected ND	Chrysotile 5%
Fine particles, Paint		

Lab ID: 19136805 **Client Sample #: 2019-0936-D-1-2** **Sample Status:** **Not Analyzed**

Lab ID: 19136806 **Client Sample #: 2019-0936-D-1-3** **Sample Status:** **Not Analyzed**

Lab ID: 19136807 **Client Sample #: 2019-0936-D-1-4** **Sample Status:** **Not Analyzed**

Lab ID: 19136808 **Client Sample #: 2019-0936-D-1-5** **Sample Status:** **Not Analyzed**

Lab ID: 19136809 **Client Sample #: 2019-0936-D-1-6** **Sample Status:** **Not Analyzed**

Lab ID: 19136810 **Client Sample #: 2019-0936-D-1-7** **Sample Status:** **Not Analyzed**

Lab ID: 19136811 **Client Sample #: 2019-0936-D-1-8**

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

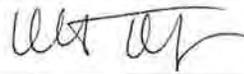
Sampled by: Client

Analyzed by: Akane Yoshikawa

Date: 11/26/2019

Reviewed by: Matt Macfarlane

Date: 11/26/2019


Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1924957.00

Client Project #: 2019-0936
Date Received: 11/22/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with layered paint	Non-Fibrous Materials: Binder/Filler, Fine grains, Fine particles Paint	Other Fibrous Materials:% Cellulose 2%	Asbestos Type: % Chrysotile 2%
Layer 2 of 3	Description: White compacted powdery material with paper	Non-Fibrous Materials: Binder/Filler, Fine grains, Fine particles	Other Fibrous Materials:% Cellulose 8%	Asbestos Type: % Chrysotile <1%
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials: Gypsum/Binder, Fine grains, Calcareous particles	Other Fibrous Materials:% Cellulose 18%	Asbestos Type: % None Detected ND

Lab ID: 19136812 **Client Sample #: 2019-0936-D-1-9**
Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with layered paint	Non-Fibrous Materials: Binder/Filler, Fine grains, Fine particles Paint	Other Fibrous Materials:% Cellulose 2%	Asbestos Type: % Chrysotile 2%
Layer 2 of 3	Description: White compacted powdery material with paper	Non-Fibrous Materials: Binder/Filler, Fine grains, Fine particles	Other Fibrous Materials:% Cellulose 9%	Asbestos Type: % Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials: Gypsum/Binder, Fine grains, Calcareous particles Mica	Other Fibrous Materials:% Cellulose 16% Glass fibers 3%	Asbestos Type: % None Detected ND

Sampled by: Client		
Analyzed by: Akane Yoshikawa	Date: 11/26/2019	
Reviewed by: Matt Macfarlane	Date: 11/26/2019	Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1924957.00

Client Project #: 2019-0936
Date Received: 11/22/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Lab ID: 19136813 Client Sample #: 2019-0936-D-1-10

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Comments: Insufficient sample amount for further analysis (Layer 2).

Layer 1 of 3	Description: White compacted powdery material with layered paint	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %	
		Binder/Filler, Fine grains, Fine particles	None Detected ND		Chrysotile 2%
		Paint			

Layer 2 of 3	Description: Thin white compacted powdery material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %	
		Binder/Filler, Fine grains, Fine particles	Cellulose 6%		Chrysotile <1%

Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %	
		Gypsum/Binder, Fine grains, Calcareous particles	Cellulose 16%		None Detected ND
			Glass fibers 3%		

Lab ID: 19136814 Client Sample #: 2019-0936-D-1-11

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Comments: Small sample size (Layer 2).

Layer 1 of 3	Description: White compacted powdery material with paint	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %	
		Binder/Filler, Fine grains, Fine particles	None Detected ND		Chrysotile 2%
		Paint			

Layer 2 of 3	Description: White compacted powdery material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %	
		Binder/Filler, Fine grains, Fine particles	Cellulose 8%		Chrysotile <1%

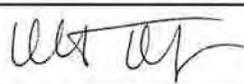
Sampled by: Client

Analyzed by: Akane Yoshikawa

Date: 11/26/2019

Reviewed by: Matt Macfarlane

Date: 11/26/2019


Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1924957.00

Client Project #: 2019-0936
Date Received: 11/22/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 3 of 3	Description: White chalky material with paper			
		Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Gypsum/Binder, Fine grains, Calcareous particles		Cellulose 17%	None Detected ND

Lab ID: 19136815 **Client Sample #: 2019-0936-D-1-12**

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 1 of 2	Description: White compacted powdery material with paper and paint			
		Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles		Cellulose 6%	Chrysotile 2%
	Paint			

Layer 2 of 2	Description: White chalky material with paper			
		Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Gypsum/Binder, Fine grains, Calcareous particles		Cellulose 17%	None Detected ND

Lab ID: 19136816 **Client Sample #: 2019-0936-D-1-13**

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 1 of 2	Description: White compacted powdery material with layered paint			
		Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles		None Detected ND	Chrysotile 3%
	Paint			

Layer 2 of 2	Description: White chalky material with paper			
		Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Gypsum/Binder, Fine grains, Calcareous particles		Cellulose 17%	None Detected ND

Lab ID: 19136817 **Client Sample #: 2019-0936-D-1-14**

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

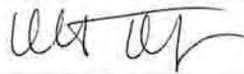
Sampled by: Client

Analyzed by: Akane Yoshikawa

Date: 11/26/2019

Reviewed by: Matt Macfarlane

Date: 11/26/2019


Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1924957.00

Client Project #: 2019-0936
Date Received: 11/22/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with layered paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles	None Detected	ND	Chrysotile 3%
	Paint			

Layer 2 of 3	Description: White compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles	Cellulose	9%	Chrysotile 2%

Layer 3 of 3	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Gypsum/Binder, Fine grains, Calcareous particles	Cellulose	18%	None Detected ND

Lab ID: 19136818 **Client Sample #: 2019-0936-D-3-1**
Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 1 of 1	Description: Off-white/beige soft material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles	None Detected	ND	None Detected ND
	Paint			

Lab ID: 19136819 **Client Sample #: 2019-0936-D-3-2**
Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Comments: Insufficient sample amount for further analysis.

Layer 1 of 1	Description: Thin off-white compacted powdery material with paint (on wood)			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Binder/Filler, Fine particles, Paint	Cellulose	4%	None Detected ND
	Wood flakes			

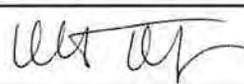
Sampled by: Client

Analyzed by: Akane Yoshikawa

Date: 11/26/2019

Reviewed by: Matt Macfarlane

Date: 11/26/2019


Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1924957.00
Client Project #: 2019-0936
Date Received: 11/22/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

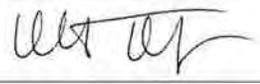
Attention: Mr. Derrick Gallard
Project Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Lab ID: 19136820 **Client Sample #: 2019-0936-D-3-3**
Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 1 of 1 **Description:** Gray soft elastic material with paint and debris

Non-Fibrous Materials:	Other Fibrous Materials: %
Binder/Filler, Fine particles, Paint	Cellulose 3%
Wood flakes, Debris	

Asbestos Type: %
None Detected ND

Sampled by: Client
Analyzed by: Akane Yoshikawa **Date:** 11/26/2019
Reviewed by: Matt Macfarlane **Date:** 11/26/2019  Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

ASBESTOS LABORATORY SERVICES



Company NVL Field Services Division **NVL Batch Number** 1924957.00
Address 4708 Aurora Ave. N. **TAT** 2 Days AH No
 Seattle, WA 98103 **Rush TAT**
Project Manager Mr. Derrick Gallard **Due Date** 11/26/2019 **Time** 4:40 PM
Phone (206) 547-0100 **Email** derrick.g@nvlabs.com
Cell (206) 707-3236 **Fax** (206) 634-1936

Project Name/Number: 2019-0936 **Project Location:** "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Subcategory PLM Bulk

Item Code ASB-02 EPA 600/R-93-116 Asbestos by PLM <bulk>

Total Number of Samples 17

Rush Samples

Lab ID	Sample ID	Description	A/R	
1	19136804	2019-0936-D-1-1	Stop at first positive	A
2	19136805	2019-0936-D-1-2	***	A
3	19136806	2019-0936-D-1-3	***	A
4	19136807	2019-0936-D-1-4	***	A
5	19136808	2019-0936-D-1-5	***	A
6	19136809	2019-0936-D-1-6	***	A
7	19136810	2019-0936-D-1-7	***	A
8	19136811	2019-0936-D-1-8		A
9	19136812	2019-0936-D-1-9		A
10	19136813	2019-0936-D-1-10		A
11	19136814	2019-0936-D-1-11		A
12	19136815	2019-0936-D-1-12		A
13	19136816	2019-0936-D-1-13		A
14	19136817	2019-0936-D-1-14		A
15	19136818	2019-0936-D-3-1		A
16	19136819	2019-0936-D-3-2		A
17	19136820	2019-0936-D-3-3		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	11/22/19	1640
Analyzed by	Akane Yoshikawa		NVL	11/26/19	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions:

Date: 11/22/2019
 Time: 5:24 PM
 Entered By: Kelly AuVu

CHAIN of CUSTODY SAMPLE LOG

1924957

INDUSTRIAL HYGIENE SERVICES
LABORATORY • MANAGEMENT • TRAINING

Client NVL Laboratories Inc
Street 4708 Aurora Ave N
 Seattle, WA 98103
Project Manager Syed Hasan
Project Location "Bellepark East" - 16241 NE 13th Pl,
 Bellevue, WA 98008

NVL Batch Number _____
Client Job Number 2019-0936
Total Samples 17
Turn Around Time 1 Hr 6 Hrs 3 Days 10 Days
 2 Hrs 1 Day 4 Days
 4 Hrs 2 Days 5 Days

Please call for TAT less than 24 Hr:

Phone: (206) 574-1230 **Fax:** (206) 357-2441

Email address hughw@kcha.org
Cell (206) 979-0826

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input checked="" type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		2019-0936-D-1-1	STOP @ 1st POSITIVE	2019-0936-D-3-1
2		1-2	↓	3-3
3		1-3		
4		1-4		
5		1-5		
6		1-6		
7		1-7		
8		1-8		
9		1-9		
10		1-10		
11		1-11		
12		1-12		
13		1-13		
14		1-14		
15		3-1		

	Print Below	Sign Below	Company	Date	Time
Sampled by	DERRICK	[Signature]	NVL	11-22-19	9:00
Relinquished by	DERRICK	[Signature]	NVL	11-22-19	4:35
Received by	[Signature]	[Signature]	NVL	11/22/19	11:40
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
 Results report to _____

November 26, 2019



Derrick Gallard
NVL Field Services Division
4708 Aurora Ave. N.
Seattle, WA 98103

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 1924958.00

Client Project: 2019-0936

Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Dear Mr. Gallard,

Enclosed please find test results for the 18 sample(s) submitted to our laboratory for analysis on 11/22/2019.

Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both **EPA 600/M4-82-020**, Interim Method for the Determination of Asbestos in Bulk Insulation Samples and **EPA 600/R-93/116** Method for the Determination of Asbestos in Bulk Building Materials.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by calibrated visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos.

The detection limit for the calibrated visual estimation is <1%, 400 point counts is 0.25% and 1000 point counts is 0.1%

Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read "Matt Macfarlane".

Matt Macfarlane, Asbestos Lab Supervisor



Lab Code: 102063-0

Enc.: Sample Results

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
 Address: 4708 Aurora Ave. N.
 Seattle, WA 98103

Batch #: 1924958.00
 Client Project #: 2019-0936
 Date Received: 11/22/2019
 Samples Received: 18
 Samples Analyzed: 12
 Method: EPA/600/R-93/116
 & EPA/600/M4-82-020

Attention: Mr. Derrick Gallard
 Project Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Lab ID: 19136821 Client Sample #: 2019-0936-E-1-1
 Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008
 Layer 1 of 1 Description: White lumpy foamy material with paint

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Calcareous binder, Synthetic foam, Paint	None Detected ND	Chrysotile 5%

Lab ID: 19136822 Client Sample #: 2019-0936-E-1-2 Sample Status: Not Analyzed

Lab ID: 19136823 Client Sample #: 2019-0936-E-1-3 Sample Status: Not Analyzed

Lab ID: 19136824 Client Sample #: 2019-0936-E-1-4 Sample Status: Not Analyzed

Lab ID: 19136825 Client Sample #: 2019-0936-E-1-5 Sample Status: Not Analyzed

Lab ID: 19136826 Client Sample #: 2019-0936-E-1-6 Sample Status: Not Analyzed

Lab ID: 19136827 Client Sample #: 2019-0936-E-1-7 Sample Status: Not Analyzed

Lab ID: 19136828 Client Sample #: 2019-0936-E-1-8
 Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008
 Layer 1 of 3 Description: White compacted powdery material with paint

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Calcareous binder, Calcareous particles, Paint	Cellulose 3%	Chrysotile 2%

Sampled by: Client
Analyzed by: Tiffany Querry **Date:** 11/26/2019
Reviewed by: Matt Macfarlane **Date:** 11/26/2019 Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1924958.00

Client Project #: 2019-0936
Date Received: 11/22/2019
Samples Received: 18
Samples Analyzed: 12
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 2 of 3	Description: White compacted powdery material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Calcareous binder, Calcareous particles	Cellulose 13%	Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Gypsum/Binder, Fine grains	Cellulose 25%	None Detected ND
			Glass fibers 5%	

Lab ID: 19136829 **Client Sample #: 2019-0936-E-1-9**

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Comments: Insufficient sample amount for thorough analysis (layer 2).

Layer 1 of 3	Description: White compacted powdery material with paint	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Calcareous binder, Calcareous particles, Paint	Cellulose 2%	Chrysotile 2%
Layer 2 of 3	Description: Trace thin white compacted powdery material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Calcareous binder, Calcareous particles	Cellulose 50%	None Detected ND
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Gypsum/Binder, Fine grains	Cellulose 25%	None Detected ND
			Glass fibers 6%	

Lab ID: 19136830 **Client Sample #: 2019-0936-E-1-10**

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 1 of 2	Description: White compacted powdery material with paint	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Calcareous binder, Calcareous particles, Paint	Cellulose 2%	Chrysotile 2%

Sampled by: Client

Analyzed by: Tiffany Querry

Date: 11/26/2019

Reviewed by: Matt Macfarlane

Date: 11/26/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1924958.00

Client Project #: 2019-0936
Date Received: 11/22/2019
Samples Received: 18
Samples Analyzed: 12
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 2 of 2	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Gypsum/Binder, Fine grains	Cellulose 26%		None Detected ND
		Glass fibers 4%		

Lab ID: 19136831 **Client Sample #: 2019-0936-E-1-11**
Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Calcareous binder, Calcareous particles, Paint	Cellulose 4%		Chrysotile 2%

Layer 2 of 3	Description: White thin compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Calcareous binder, Calcareous particles, Paint	Cellulose 34%		Chrysotile 2%

Layer 3 of 3	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Gypsum/Binder, Fine grains	Cellulose 28%		None Detected ND

Lab ID: 19136832 **Client Sample #: 2019-0936-E-1-12**
Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Comments: Insufficient sample amount for further analysis (layer 1).

Layer 1 of 2	Description: White thin compacted powdery material with layered paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Calcareous binder, Calcareous particles, Paint	None Detected ND		Chrysotile 2%

Layer 2 of 2	Description: Peach chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Gypsum/Binder, Fine grains	Cellulose 28%		None Detected ND

Sampled by: Client

Analyzed by: Tiffany Querry

Date: 11/26/2019

Reviewed by: Matt Macfarlane

Date: 11/26/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1924958.00

Client Project #: 2019-0936
Date Received: 11/22/2019
Samples Received: 18
Samples Analyzed: 12
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Lab ID: 19136833 Client Sample #: 2019-0936-E-1-13

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with paint	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %	
		Calcareous binder, Calcareous particles, Paint	None Detected ND		Chrysotile 3%
Layer 2 of 3	Description: White compacted powdery material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %	
		Calcareous binder, Calcareous particles	Cellulose 23%		Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %	
		Gypsum/Binder, Fine grains	Cellulose 26%		None Detected ND
			Glass fibers 6%		

Lab ID: 19136834 Client Sample #: 2019-0936-E-1-14

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with layered paint	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Calcareous binder, Calcareous particles, Paint	None Detected ND	
Layer 2 of 3	Description: White compacted powdery material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Calcareous binder, Calcareous particles	Cellulose 23%	
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
		Gypsum/Binder, Fine grains	Cellulose 28%	

Lab ID: 19136835 Client Sample #: 2019-0936-E-3-1

Location: "Bellepark East" - 16241 NE 13th PI Bellevue, WA 98008

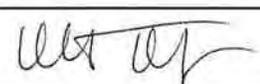
Sampled by: Client

Analyzed by: Tiffany Querry

Date: 11/26/2019

Reviewed by: Matt Macfarlane

Date: 11/26/2019


Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1924958.00

Client Project #: 2019-0936
Date Received: 11/22/2019
Samples Received: 18
Samples Analyzed: 12
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 1 of 1	Description: Off-white soft rubbery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Binder/Filler, Fine particles, Paint	None Detected	ND	None Detected ND

Lab ID: 19136836 **Client Sample #: 2019-0936-E-3-2**
Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

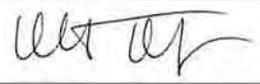
Layer 1 of 1	Description: Off-white soft rubbery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Binder/Filler, Fine particles, Paint	None Detected	ND	None Detected ND

Lab ID: 19136837 **Client Sample #: 2019-0936-E-3-3**
Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 1 of 1	Description: Off-white soft rubbery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Binder/Filler, Fine particles, Paint	None Detected	ND	None Detected ND

Lab ID: 19136838 **Client Sample #: 2019-0936-E-3-4**
Location: "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Layer 1 of 1	Description: Off-white soft rubbery material with paint and debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Binder/Filler, Fine particles, Paint	Cellulose	<1%	None Detected ND
	Organic debris	Spider silk	<1%	

Sampled by: Client		
Analyzed by: Tiffany Querry	Date: 11/26/2019	
Reviewed by: Matt Macfarlane	Date: 11/26/2019	Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

ASBESTOS LABORATORY SERVICES



Company NVL Field Services Division Address 4708 Aurora Ave. N. Seattle, WA 98103 Project Manager Mr. Derrick Gallard Phone (206) 547-0100 Cell (206) 707-3236	NVL Batch Number 1924958.00 TAT 2 Days AH No Rush TAT Due Date 11/26/2019 Time 4:40 PM Email derrick.g@nvlabs.com Fax (206) 634-1936
--	--

Project Name/Number: 2019-0936 **Project Location:** "Bellepark East" - 16241 NE 13th Pl Bellevue, WA 98008

Subcategory PLM.Bulk
Item Code ASB-02 EPA 600/R-93-116 Asbestos by PLM <bulk>

Total Number of Samples 18 **Rush Samples**

Lab ID	Sample ID	Description	A/R	
1	19136821	2019-0936-E-1-1	Stop at first positive	A
2	19136822	2019-0936-E-1-2	***	A
3	19136823	2019-0936-E-1-3	***	A
4	19136824	2019-0936-E-1-4	***	A
5	19136825	2019-0936-E-1-5	***	A
6	19136826	2019-0936-E-1-6	***	A
7	19136827	2019-0936-E-1-7	***	A
8	19136828	2019-0936-E-1-8		A
9	19136829	2019-0936-E-1-9		A
10	19136830	2019-0936-E-1-10		A
11	19136831	2019-0936-E-1-11		A
12	19136832	2019-0936-E-1-12		A
13	19136833	2019-0936-E-1-13		A
14	19136834	2019-0936-E-1-14		A
15	19136835	2019-0936-E-3-1		A
16	19136836	2019-0936-E-3-2		A
17	19136837	2019-0936-E-3-3		A
18	19136838	2019-0936-E-3-4		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	11/22/19	1640
Analyzed by	Tiffany Querry		NVL	11/26/19	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions:

Date: 11/22/2019
 Time: 5:24 PM
 Entered By: Kelly AuVu

CHAIN of CUSTODY SAMPLE LOG

1924958

INDUSTRIAL HYGIENE SERVICES
LABORATORY • MANAGEMENT • TRAINING

Client NVL Laboratories Inc
Street 4708 Aurora Ave N
 Seattle, WA 98103
Project Manager Syed Hasan
Project Location "Bellepark East" - 16241 NE 13th Pl,
 Bellevue, WA 98008

NVL Batch Number _____
Client Job Number 2019-0936
Total Samples 18

Turn Around Time 1 Hr 6 Hrs 3 Days 10 Days
 2 Hrs 1 Day 4 Days
 4 Hrs 2 Days 5 Days

Please call for TAT less than 24 Hr:

Email address hughw@kcha.org
Cell (206) 979-0826

Phone: (206) 574-1230 **Fax:** (206) 357-2441

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input checked="" type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		2019-0936-E-1-1	STOP @ 1st POSITIVE	2019-0936-E-3-2
2		-1-2	↓	3-3
3		1-3		3-4
4		1-4		
5		1-5		
6		1-6		
7		1-7		
8		1-8		
9		1-9		
10		1-10		
11		1-11		
12		1-12		
13		1-13		
14		1-14		
15		3-1		

	Print Below	Sign Below	Company	Date	Time
Sampled by	DERRICK	TL	NVL	11-22-19	9:00
Relinquished by	DERRICK	TL	NVL	11-22-19	4:35
Received by	Kelly Allen	e	NVL	11/22/19	(1040)
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
 Results report to _____

November 27, 2019



Tanveer Khan
NVL Field Services Division
4708 Aurora Ave. N.
Seattle, WA 98103

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 1925063.00

Client Project: 2019-0936
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Dear Mr. Khan,

Enclosed please find test results for the 17 sample(s) submitted to our laboratory for analysis on 11/25/2019.

Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both **EPA 600/M4-82-020**, Interim Method for the Determination of Asbestos in Bulk Insulation Samples and **EPA 600/R-93/116** Method for the Determination of Asbestos in Bulk Building Materials.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by calibrated visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos.

The detection limit for the calibrated visual estimation is <1%, 400 point counts is 0.25% and 1000 point counts is 0.1%

Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read "Matt Macfarlane".

Matt Macfarlane, Asbestos Lab Supervisor

The logo for NVLAP, consisting of the letters "NVLAP" in a stylized, outlined font. The "P" is slightly larger and more prominent than the other letters.

Lab Code: 102063-0

Enc.: Sample Results

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1925063.00

Client Project #: 2019-0936
Date Received: 11/25/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Tanveer Khan

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Lab ID: 19137578 Client Sample #: 2019-0936-FG-1-1

Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 1 Description: White lumpy foamy material with paint

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Binder/Filler, Synthetic foam, Fine grains	None Detected ND	Chrysotile 4%
Fine particles, Paint		

Lab ID: 19137579 Client Sample #: 2019-0936-FG-1-2 Sample Status: Not Analyzed

Lab ID: 19137580 Client Sample #: 2019-0936-FG-1-3 Sample Status: Not Analyzed

Lab ID: 19137581 Client Sample #: 2019-0936-FG-1-4 Sample Status: Not Analyzed

Lab ID: 19137582 Client Sample #: 2019-0936-FG-1-5 Sample Status: Not Analyzed

Lab ID: 19137583 Client Sample #: 2019-0936-FG-1-6 Sample Status: Not Analyzed

Lab ID: 19137584 Client Sample #: 2019-0936-FG-1-7 Sample Status: Not Analyzed

Lab ID: 19137585 Client Sample #: 2019-0936-FG-1-8

Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

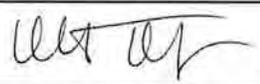
Sampled by: Client

Analyzed by: Akane Yoshikawa

Date: 11/27/2019

Reviewed by: Matt Macfarlane

Date: 11/27/2019


Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1925063.00

Client Project #: 2019-0936
Date Received: 11/25/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Tanveer Khan

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles	Cellulose 2%		None Detected ND
	Paint			
Layer 2 of 3	Description: White compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles	Cellulose 9%		None Detected ND
Layer 3 of 3	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Gypsum/Binder, Fine grains, Calcareous particles	Cellulose 16%		None Detected ND
		Glass fibers 3%		

Lab ID: 19137586 **Client Sample #: 2019-0936-FG-1-9**

Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles	Cellulose 2%		Chrysotile 3%
	Paint			
Layer 2 of 3	Description: White compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles	Cellulose 9%		Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Gypsum/Binder, Fine grains, Calcareous particles	Cellulose 18%		None Detected ND

Sampled by: Client

Analyzed by: Akane Yoshikawa

Date: 11/27/2019

Reviewed by: Matt Macfarlane

Date: 11/27/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1925063.00

Client Project #: 2019-0936
Date Received: 11/25/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Tanveer Khan

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Lab ID: 19137587 Client Sample #: 2019-0936-FG-1-10

Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 4	Description: White compacted powdery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles	None Detected	ND	None Detected ND
	Paint			

Layer 2 of 4	Description: White compacted powdery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles	Cellulose	2%	Chrysotile 2%
	Paint			

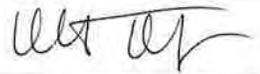
Layer 3 of 4	Description: White compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles	Cellulose	11%	Chrysotile 2%

Layer 4 of 4	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Gypsum/Binder, Fine grains, Fine particles	Cellulose	18%	None Detected ND

Lab ID: 19137588 Client Sample #: 2019-0936-FG-1-11

Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles	None Detected	ND	Chrysotile 3%
	Paint			

Sampled by: Client		
Analyzed by: Akane Yoshikawa	Date: 11/27/2019	
Reviewed by: Matt Macfarlane	Date: 11/27/2019	Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1925063.00
Client Project #: 2019-0936
Date Received: 11/25/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Tanveer Khan

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 2 of 3	Description: White compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %	
	Binder/Filler, Fine grains, Fine particles	Cellulose 12%	Chrysotile 2%	
Layer 3 of 3	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %	
	Gypsum/Binder, Fine grains, Fine particles	Cellulose 16%	None Detected ND	

Lab ID: 19137589 **Client Sample #: 2019-0936-FG-1-12**

Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 4	Description: White compacted powdery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %	
	Binder/Filler, Fine grains, Fine particles	Cellulose 2%	None Detected ND	
	Paint			
Layer 2 of 4	Description: White compacted powdery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %	
	Binder/Filler, Fine grains, Fine particles	None Detected ND	Chrysotile 2%	
	Paint			
Layer 3 of 4	Description: White compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %	
	Binder/Filler, Fine grains, Fine particles	Cellulose 8%	Chrysotile 2%	
Layer 4 of 4	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %	
	Gypsum/Binder, Fine grains, Calcareous particles	Cellulose 18%	None Detected ND	

Lab ID: 19137590 **Client Sample #: 2019-0936-FG-1-13**

Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

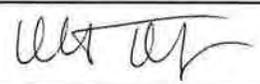
Sampled by: Client

Analyzed by: Akane Yoshikawa

Reviewed by: Matt Macfarlane

Date: 11/27/2019

Date: 11/27/2019


Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1925063.00

Client Project #: 2019-0936
Date Received: 11/25/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Tanveer Khan

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles	Cellulose 2%		None Detected ND
	Paint			
Layer 2 of 3	Description: White compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles	Cellulose 7%		None Detected ND
Layer 3 of 3	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Gypsum/Binder, Fine grains, Calcareous particles	Cellulose 19%		None Detected ND

Lab ID: 19137591 Client Sample #: 2019-0936-FG-1-14

Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles	None Detected ND		Chrysotile 3%
	Paint			
Layer 2 of 3	Description: White compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles	Cellulose 11%		Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Gypsum/Binder, Fine grains, Calcareous particles	Cellulose 16%		None Detected ND

Lab ID: 19137592 Client Sample #: 2019-0936-FG-3-1

Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Sampled by: Client

Analyzed by: Akane Yoshikawa

Date: 11/27/2019

Reviewed by: Matt Macfarlane

Date: 11/27/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1925063.00

Client Project #: 2019-0936
Date Received: 11/25/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Tanveer Khan

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

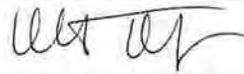
Layer 1 of 1	Description: White soft material with debris			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Binder/Filler, Fine particles, Debris	Cellulose 2%		None Detected ND

Lab ID: 19137593 **Client Sample #: 2019-0936-FG-3-2**
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 1	Description: Gray soft elastic material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Binder/Filler, Fine particles, Paint	None Detected ND		None Detected ND

Lab ID: 19137594 **Client Sample #: 2019-0936-FG-3-3**
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 1	Description: Brown soft material			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles	Cellulose 3%		None Detected ND

Sampled by: Client		
Analyzed by: Akane Yoshikawa	Date: 11/27/2019	
Reviewed by: Matt Macfarlane	Date: 11/27/2019	Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

ASBESTOS LABORATORY SERVICES



Company NVL Field Services Division	NVL Batch Number 1925063.00
Address 4708 Aurora Ave. N. Seattle, WA 98103	TAT 2 Days AH No
Project Manager Mr. Tanveer Khan	Rush TAT
Phone (206) 547-0100	Due Date 11/27/2019 Time 2:15 PM
Cell (206) 799-2916	Email tanveer.k@nvlabs.com
	Fax (206) 634-1936

Project Name/Number: 2019-0936 **Project Location:** "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Subcategory PLM Bulk
 Item Code ASB-02 EPA 600/R-93-116 Asbestos by PLM <bulk>

Total Number of Samples 17 Rush Samples

Lab ID	Sample ID	Description	A/R	
1	19137578	2019-0936-FG-1-1	Stop at first positive	A
2	19137579	2019-0936-FG-1-2	***	A
3	19137580	2019-0936-FG-1-3	***	A
4	19137581	2019-0936-FG-1-4	***	A
5	19137582	2019-0936-FG-1-5	***	A
6	19137583	2019-0936-FG-1-6	***	A
7	19137584	2019-0936-FG-1-7	***	A
8	19137585	2019-0936-FG-1-8		A
9	19137586	2019-0936-FG-1-9		A
10	19137587	2019-0936-FG-1-10		A
11	19137588	2019-0936-FG-1-11		A
12	19137589	2019-0936-FG-1-12		A
13	19137590	2019-0936-FG-1-13		A
14	19137591	2019-0936-FG-1-14		A
15	19137592	2019-0936-FG-3-1		A
16	19137593	2019-0936-FG-3-2		A
17	19137594	2019-0936-FG-3-3		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				
Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	11/25/19	1415
Analyzed by	Akane Yoshikawa		NVL	11/27/19	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions: Stop at first positive

Date: 11/25/2019
 Time: 2:41 PM
 Entered By: Kelly AuVu

1925063

CHAIN of CUSTODY SAMPLE LOG

INDUSTRIAL HYGIENE SERVICES
LABORATORY • MANAGEMENT • TRAINING

Client NVL Laboratories Inc
Street 4708 Aurora Ave N
 Seattle, WA 98103
Project Manager Syed Hasan
Project Location "Bellepark East" - 16241 NE 13th Pl,
 Bellevue, WA 98008

NVL Batch Number _____
Client Job Number 2019-0936
Total Samples 17
Turn Around Time 1 Hr 6 Hrs 3 Days 10 Days
 2 Hrs 1 Day 4 Days
 4 Hrs 2 Days 5 Days

Please call for TAT less than 24 Hr

Email address hughw@kcha.org

Phone: (206) 574-1230 **Fax:** (206) 357-2441

Cell (206) 979-0826

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input checked="" type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix		RCRA Metals	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Soil	<input type="checkbox"/> All 8	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Paint Chips in %	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Paint Chips in cr	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)
				<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		2019-0936-FG-11	STOP @ 1st POSITIVE	
2		1-2	↓	
3		1-3		
4		1-4		
5		1-5		
6		1-6		
7		1-7		
8		1-8		
9		1-9		
10		1-10		
11		1-11		
12		1-12		
13		1-13		
14		1-14		
15		3-1		

	Print Below	Sign Below	Company	Date	Time
Sampled by	TAN KHAN	Jaweer Khan	NVL	11-25-19	9:00AM
Relinquished by	TAN KHAN	Jaweer Khan	NVL	11-25-19	2:10
Received by	Kelly Allen	e	NVL	11/25/19	1445
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Results report to TAN

November 27, 2019



Tanveer Khan
NVL Field Services Division
4708 Aurora Ave. N.
Seattle, WA 98103

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 1925064.00

Client Project: 2019-0936
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Dear Mr. Khan,

Enclosed please find test results for the 17 sample(s) submitted to our laboratory for analysis on 11/25/2019.

Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both **EPA 600/M4-82-020**, Interim Method for the Determination of Asbestos in Bulk Insulation Samples and **EPA 600/R-93/116** Method for the Determination of Asbestos in Bulk Building Materials.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by calibrated visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos.

The detection limit for the calibrated visual estimation is <1%, 400 point counts is 0.25% and 1000 point counts is 0.1%

Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read "Matt Macfarlane".

Matt Macfarlane, Asbestos Lab Supervisor



Lab Code: 102063-0

Enc.: Sample Results

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1925064.00

Client Project #: 2019-0936
Date Received: 11/25/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Tanveer Khan

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Lab ID: 19137595 Client Sample #: 2019-0936-H-1-1

Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 1 Description: Off-white lumpy foamy material with paint

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Calcareous binder, Calcareous particles, Paint	Cellulose <1%	Chrysotile 4%

Lab ID: 19137596 Client Sample #: 2019-0936-H-1-2 Sample Status: Not Analyzed

Lab ID: 19137597 Client Sample #: 2019-0936-H-1-3 Sample Status: Not Analyzed

Lab ID: 19137598 Client Sample #: 2019-0936-H-1-4 Sample Status: Not Analyzed

Lab ID: 19137599 Client Sample #: 2019-0936-H-1-5 Sample Status: Not Analyzed

Lab ID: 19137600 Client Sample #: 2019-0936-H-1-6 Sample Status: Not Analyzed

Lab ID: 19137601 Client Sample #: 2019-0936-H-1-7 Sample Status: Not Analyzed

Lab ID: 19137602 Client Sample #: 2019-0936-H-1-8

Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3 Description: Off-white compacted powdery material with paint

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Calcareous binder, Calcareous particles, Paint	Cellulose <1%	Chrysotile 2%

Sampled by: Client

Analyzed by: Tiffany Querry

Reviewed by: Matt Macfarlane

Date: 11/27/2019

Date: 11/27/2019


Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

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Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1925064.00

Client Project #: 2019-0936
Date Received: 11/25/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Tanveer Khan

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

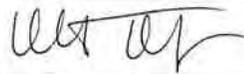
Layer 2 of 3	Description: Off-white compacted powdery material with paper	Non-Fibrous Materials: Calcereous binder, Calcereous particles, Paint	Other Fibrous Materials:% Cellulose 12%	Asbestos Type: % Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials: Gypsum/Binder, Fine grains	Other Fibrous Materials:% Cellulose 25% Glass fibers 6%	Asbestos Type: % None Detected ND

Lab ID: 19137603 **Client Sample #: 2019-0936-H-1-9**
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: Off-white compacted powdery material with layered paint	Non-Fibrous Materials: Calcereous binder, Calcereous particles, Paint	Other Fibrous Materials:% Cellulose <1%	Asbestos Type: % Chrysotile 2%
Layer 2 of 3	Description: Off-white compacted powdery material with paper	Non-Fibrous Materials: Calcereous binder, Calcereous particles, Paint	Other Fibrous Materials:% Cellulose 11%	Asbestos Type: % Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials: Gypsum/Binder, Fine grains	Other Fibrous Materials:% Cellulose 25% Glass fibers 5%	Asbestos Type: % None Detected ND

Lab ID: 19137604 **Client Sample #: 2019-0936-H-1-10**
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: Off-white compacted powdery material with layered paint	Non-Fibrous Materials: Calcereous binder, Calcereous particles, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % Chrysotile 2%
---------------------	---	--	---	---

Sampled by: Client		
Analyzed by: Tiffany Querry	Date: 11/27/2019	
Reviewed by: Matt Macfarlane	Date: 11/27/2019	Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1925064.00

Client Project #: 2019-0936
Date Received: 11/25/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Tanveer Khan

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

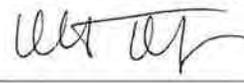
Layer 2 of 3	Description: White trace thin compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Calcareous binder, Calcareous particles, Paint	Cellulose 40%		Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Gypsum/Binder, Fine grains	Cellulose 24%		None Detected ND
		Glass fibers 5%		

Lab ID: 19137605 **Client Sample #: 2019-0936-H-1-11**
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: Off-white compacted powdery material with layered paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Calcareous binder, Calcareous particles, Paint	Cellulose <1%		Chrysotile 2%
Layer 2 of 3	Description: White trace thin compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Calcareous binder, Calcareous particles, Paint	Cellulose 40%		Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Gypsum/Binder, Fine grains	Cellulose 24%		None Detected ND
		Glass fibers 6%		

Lab ID: 19137606 **Client Sample #: 2019-0936-H-1-12**
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: Off-white compacted powdery material with layered paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Calcareous binder, Calcareous particles, Paint	Cellulose <1%		Chrysotile 3%

Sampled by: Client		
Analyzed by: Tiffany Querry	Date: 11/27/2019	
Reviewed by: Matt Macfarlane	Date: 11/27/2019	Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
 Address: 4708 Aurora Ave. N.
 Seattle, WA 98103

Batch #: 1925064.00
 Client Project #: 2019-0936
 Date Received: 11/25/2019
 Samples Received: 17
 Samples Analyzed: 11
 Method: EPA/600/R-93/116
 & EPA/600/M4-82-020

Attention: Mr. Tanveer Khan
 Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

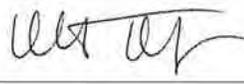
Layer 2 of 3	Description: White compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Calcereous binder, Calcereous particles, Paint	Cellulose 15%		Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Gypsum/Binder, Fine grains	Cellulose 27%		None Detected ND

Lab ID: 19137607 **Client Sample #: 2019-0936-H-1-13**
 Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: Off-white compacted powdery material with layered paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Calcereous binder, Calcereous particles, Paint	Cellulose <1%		Chrysotile 2%
Layer 2 of 3	Description: White compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Calcereous binder, Calcereous particles, Paint	Cellulose 16%		Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Gypsum/Binder, Fine grains	Cellulose 28%		None Detected ND

Lab ID: 19137608 **Client Sample #: 2019-0936-H-1-14**
 Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: Off-white compacted powdery material with layered paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Calcereous binder, Calcereous particles, Paint	Cellulose <1%		Chrysotile 2%
Layer 2 of 3	Description: White compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Calcereous binder, Calcereous particles, Paint	Cellulose 14%		Chrysotile 2%

Sampled by: Client		
Analyzed by: Tiffany Querry	Date: 11/27/2019	
Reviewed by: Matt Macfarlane	Date: 11/27/2019	Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1925064.00

Client Project #: 2019-0936
Date Received: 11/25/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Tanveer Khan

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 3 of 3	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Gypsum/Binder, Fine grains	Cellulose 28%		None Detected ND

Lab ID: 19137609 **Client Sample #: 2019-0936-H-3-1**
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

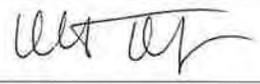
Layer 1 of 1	Description: Off-white soft rubbery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Binder/Filler, Fine particles, Paint	None Detected ND		None Detected ND

Lab ID: 19137610 **Client Sample #: 2019-0936-H-3-2**
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 1	Description: Off-white soft rubbery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Binder/Filler, Fine particles, Paint	Cellulose <1%		None Detected ND

Lab ID: 19137611 **Client Sample #: 2019-0936-H-3-3**
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 1	Description: Off-white soft rubbery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Binder/Filler, Fine particles, Paint	Cellulose <1%		None Detected ND
	Wood flakes			

Sampled by: Client		
Analyzed by: Tiffany Querry	Date: 11/27/2019	
Reviewed by: Matt Macfarlane	Date: 11/27/2019	Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

ASBESTOS LABORATORY SERVICES



Company NVL Field Services Division **NVL Batch Number** 1925064.00
Address 4708 Aurora Ave. N. **TAT** 2 Days **AH** No
 Seattle, WA 98103 **Rush TAT**
Project Manager Mr. Tanveer Khan **Due Date** 11/27/2019 **Time** 2:15 PM
Phone (206) 547-0100 **Email** tanveer.k@nvlabs.com
Cell (206) 799-2916 **Fax** (206) 634-1936

Project Name/Number: 2019-0936 **Project Location:** "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Subcategory PLM Bulk
Item Code ASB-02 EPA 600/R-93-116 Asbestos by PLM <bulk>

Total Number of Samples 17 **Rush Samples**

Lab ID	Sample ID	Description	A/R	
1	19137595	2019-0936-H-1-1	Stop at first positive	A
2	19137596	2019-0936-H-1-2	***	A
3	19137597	2019-0936-H-1-3	***	A
4	19137598	2019-0936-H-1-4	***	A
5	19137599	2019-0936-H-1-5	***	A
6	19137600	2019-0936-H-1-6	***	A
7	19137601	2019-0936-H-1-7	***	A
8	19137602	2019-0936-H-1-8		A
9	19137603	2019-0936-H-1-9		A
10	19137604	2019-0936-H-1-10		A
11	19137605	2019-0936-H-1-11		A
12	19137606	2019-0936-H-1-12		A
13	19137607	2019-0936-H-1-13		A
14	19137608	2019-0936-H-1-14		A
15	19137609	2019-0936-H-3-1		A
16	19137610	2019-0936-H-3-2		A
17	19137611	2019-0936-H-3-3		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	11/25/19	1415
Analyzed by	Tiffany Query		NVL	11/27/19	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions: Stop at first positive

Date: 11/25/2019
 Time: 2:45 PM
 Entered By: Kelly AuVu

CHAIN of CUSTODY SAMPLE LOG

1925064

ANALYTICAL SERVICES
LABORATORY • MANAGEMENT • TRAINING

Client NVL Laboratories Inc

NVL Batch Number _____

Street 4708 Aurora Ave N
Seattle, WA 98103

Client Job Number 2019-0936

Total Samples 17

Project Manager Syed Hasan

Turn Around Time 1 Hr 6 Hrs 3 Days 10 Days
 2 Hrs 1 Day 4 Days
 4 Hrs 2 Days 5 Days

Project Location "Bellepark East" - 16241 NE 13th Pl,
Bellevue, WA 98008

Please call for TAT less than 24 Hr:

Email address hughw@kcha.org

Phone: (206) 574-1230 **Fax:** (206) 357-2441

Cell (206) 979-0826

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input checked="" type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Funqus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix		RCRA Metals	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Soil	<input type="checkbox"/> All 8	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Paint Chips in %	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Paint Chips in cr	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)
				<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____	<input type="checkbox"/> Copper (Cu)	<input type="checkbox"/> Nickel (Ni)
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust		<input type="checkbox"/> Zinc (Zn)	

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		2019-0936-H-1-1	STOP @ Pt Positive	
2		1-2		
3		1-3		
4		1-4		
5		1-5		
6		1-6		
7		1-7		
8		1-8		
9		1-9		
10		1-10		
11		1-11		
12		1-12		
13		1-13		
14		1-14		
15		3-1		

	Print Below	Sign Below	Company	Date	Time
Sampled by	TAN KHAN	Danver Khan	NVL	11-25-19	9:00AM
Relinquished by	TAN KHAN	Danver Khan	NVL	11-25-19	2:10
Received by	Kelly	ce	NVL	11/25/19	1:45
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Results report to TAN

November 27, 2019



Derrick Gallard
NVL Field Services Division
4708 Aurora Ave. N.
Seattle, WA 98103

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 1925065.01

Client Project: 2019-0936
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Dear Mr. Gallard,

Enclosed please find test results for the 17 sample(s) submitted to our laboratory for analysis on 11/25/2019.

Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both **EPA 600/M4-82-020**, Interim Method for the Determination of Asbestos in Bulk Insulation Samples and **EPA 600/R-93/116** Method for the Determination of Asbestos in Bulk Building Materials.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by calibrated visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos.

The detection limit for the calibrated visual estimation is <1%, 400 point counts is 0.25% and 1000 point counts is 0.1%

Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Matt Macfarlane, Asbestos Lab Supervisor



Lab Code: 102063-0

Enc.: Sample Results

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1925065.01
Client Project #: 2019-0936
Date Received: 11/25/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard
Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Lab ID: 19137612 **Client Sample #: 2019-0936-I-1-1**
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008
Layer 1 of 1 **Description:** White lumpy foamy material with white fibrous material and paint
Non-Fibrous Materials: Other Fibrous Materials:% **Asbestos Type: %**
Binder/Filler, Synthetic foam, Fine grains Synthetic fibers 12% **Chrysotile 3%**
Fine particles, Paint

Lab ID: 19137613 **Client Sample #: 2019-0936-I-1-2** **Sample Status:** **Not Analyzed**

Lab ID: 19137614 **Client Sample #: 2019-0936-I-1-3** **Sample Status:** **Not Analyzed**

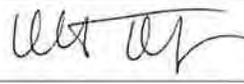
Lab ID: 19137615 **Client Sample #: 2019-0936-I-1-4** **Sample Status:** **Not Analyzed**

Lab ID: 19137616 **Client Sample #: 2019-0936-I-1-5** **Sample Status:** **Not Analyzed**

Lab ID: 19137617 **Client Sample #: 2019-0936-I-1-6** **Sample Status:** **Not Analyzed**

Lab ID: 19137618 **Client Sample #: 2019-0936-I-1-7** **Sample Status:** **Not Analyzed**

Lab ID: 19137619 **Client Sample #: 2019-0936-I-1-8**
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Sampled by: Client
Analyzed by: Akane Yoshikawa **Date:** 11/27/2019
Reviewed by: Matt Macfarlane **Date:** 11/27/2019 
Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
 Address: 4708 Aurora Ave. N.
 Seattle, WA 98103

Batch #: 1925065.01
 Client Project #: 2019-0936
 Date Received: 11/25/2019
 Samples Received: 17
 Samples Analyzed: 11
 Method: EPA/600/R-93/116
 & EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

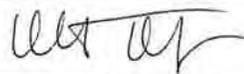
Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with paint	Non-Fibrous Materials: Binder/Filler, Fine grains, Fine particles Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % Chrysotile 3%
Layer 2 of 3	Description: White compacted powdery material with paper	Non-Fibrous Materials: Binder/Filler, Fine grains, Fine particles	Other Fibrous Materials:% Cellulose 9%	Asbestos Type: % Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials: Gypsum/Binder, Fine grains, Calcareous particles	Other Fibrous Materials:% Cellulose 16%	Asbestos Type: % None Detected ND

Lab ID: 19137620 **Client Sample #: 2019-0936-I-1-9**
 Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with paint	Non-Fibrous Materials: Binder/Filler, Fine grains, Fine particles Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % Chrysotile 2%
Layer 2 of 3	Description: White compacted powdery material with paper	Non-Fibrous Materials: Binder/Filler, Fine grains, Fine particles	Other Fibrous Materials:% Cellulose 11%	Asbestos Type: % Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials: Gypsum/Binder, Fine grains, Calcareous particles	Other Fibrous Materials:% Cellulose 15%	Asbestos Type: % None Detected ND

Lab ID: 19137621 **Client Sample #: 2019-0936-I-1-10**
 Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Sampled by: Client
Analyzed by: Akane Yoshikawa **Date:** 11/27/2019
Reviewed by: Matt Macfarlane **Date:** 11/27/2019 
 Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1925065.01

Client Project #: 2019-0936
Date Received: 11/25/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

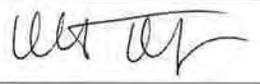
Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with paint	Non-Fibrous Materials: Binder/Filler, Fine grains, Fine particles	Other Fibrous Materials:% None Detected ND	Asbestos Type: % Chrysotile 2%
		Paint		
Layer 2 of 3	Description: White compacted powdery material with paper	Non-Fibrous Materials: Binder/Filler, Fine grains, Fine particles	Other Fibrous Materials:% Cellulose 8%	Asbestos Type: % Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials: Gypsum/Binder, Fine grains, Calcareous particles	Other Fibrous Materials:% Cellulose 15%	Asbestos Type: % None Detected ND

Lab ID: 19137622 **Client Sample #: 2019-0936-I-1-11**
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 4	Description: White compacted powdery material with paint	Non-Fibrous Materials: Binder/Filler, Fine grains, Fine particles	Other Fibrous Materials:% Cellulose 2%	Asbestos Type: % None Detected ND
		Paint		
Layer 2 of 4	Description: White compacted powdery material with paint	Non-Fibrous Materials: Binder/Filler, Fine grains, Fine particles	Other Fibrous Materials:% None Detected ND	Asbestos Type: % Chrysotile 2%
		Paint		
Layer 3 of 4	Description: White compacted powdery material with paper	Non-Fibrous Materials: Binder/Filler, Fine grains, Fine particles	Other Fibrous Materials:% Cellulose 8%	Asbestos Type: % Chrysotile 2%

Sampled by: Client		
Analyzed by: Akane Yoshikawa	Date: 11/27/2019	
Reviewed by: Matt Macfarlane	Date: 11/27/2019	Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1925065.01

Client Project #: 2019-0936
Date Received: 11/25/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 4 of 4	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Gypsum/Binder, Fine grains, Calcareous particles	Cellulose 18%		None Detected ND

Lab ID: 19137623 **Client Sample #: 2019-0936-I-1-12**

Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles	Cellulose 2%		Chrysotile 3%
	Paint			

Layer 2 of 3	Description: White compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles	Cellulose 12%		Chrysotile 2%

Layer 3 of 3	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Gypsum/Binder, Fine grains, Calcareous particles	Cellulose 15%		None Detected ND
	Mica	Glass fibers 3%		

Lab ID: 19137624 **Client Sample #: 2019-0936-I-1-13**

Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles	None Detected ND		Chrysotile 2%
	Paint			

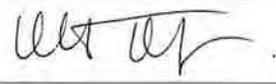
Sampled by: Client

Analyzed by: Akane Yoshikawa

Date: 11/27/2019

Reviewed by: Matt Macfarlane

Date: 11/27/2019


Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1925065.01
Client Project #: 2019-0936
Date Received: 11/25/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 2 of 3	Description: White compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles	Cellulose 9%		Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Gypsum/Binder, Fine grains, Calcareous particles	Cellulose 17%		None Detected ND

Lab ID: 19137625 **Client Sample #: 2019-0936-I-1-14**

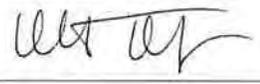
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles	None Detected ND		Chrysotile 2%
	Paint			
Layer 2 of 3	Description: White compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles	Cellulose 11%		Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Gypsum/Binder, Fine grains, Calcareous particles	Cellulose 18%		None Detected ND

Lab ID: 19137626 **Client Sample #: 2019-0936-I-3-1**

Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 1	Description: Off-white soft material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %		Asbestos Type: %
	Binder/Filler, Fine grains, Fine particles	None Detected ND		None Detected ND
	Paint			

Sampled by: Client		
Analyzed by: Akane Yoshikawa	Date: 11/27/2019	
Reviewed by: Matt Macfarlane	Date: 11/27/2019	Matt Macfarlane, Asbestos Lab Supervisor

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

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Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1925065.01

Client Project #: 2019-0936
Date Received: 11/25/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Lab ID: 19137627 Client Sample #: 2019-0936-I-3-2

Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 1 Description: Off-white soft material

Non-Fibrous Materials:	Other Fibrous Materials:%
Binder/Filler, Fine particles	None Detected ND

**Asbestos Type: %
None Detected ND**

Lab ID: 19137628 Client Sample #: 2019-0936-I-3-3

Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 1 Description: Off-white soft elastic material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%
Binder/Filler, Fine particles, Paint	None Detected ND

**Asbestos Type: %
None Detected ND**

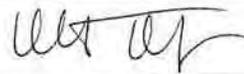
Sampled by: Client

Analyzed by: Akane Yoshikawa

Reviewed by: Matt Macfarlane

Date: 11/27/2019

Date: 11/27/2019


Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

ASBESTOS LABORATORY SERVICES



Company NVL Field Services Division Address 4708 Aurora Ave. N. Seattle, WA 98103 Project Manager Mr. Derrick Gallard Phone (206) 547-0100 Cell (206) 707-3236	NVL Batch Number 1925065.00 TAT 2 Days AH No Rush TAT Due Date 11/27/2019 Time 2:15 PM Email derrick.g@nvlabs.com Fax (206) 634-1936
--	--

Project Name/Number: 2019-0936 **Project Location:** "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Subcategory PLM Bulk
Item Code ASB-02 EPA 600/R-93-116 Asbestos by PLM <bulk>

Total Number of Samples 17 **Rush Samples**

Lab ID	Sample ID	Description	A/R	
1	19137612	2019-0936-I-1-1	Stop at first positive	A
2	19137613	2019-0936-I-1-2	***	A
3	19137614	2019-0936-I-1-3	***	A
4	19137615	2019-0936-I-1-4	***	A
5	19137616	2019-0936-I-1-5	***	A
6	19137617	2019-0936-I-1-6	***	A
7	19137618	2019-0936-I-1-7	***	A
8	19137619	2019-0936-I-1-8		A
9	19137620	2019-0936-I-1-9		A
10	19137621	2019-0936-I-1-10		A
11	19137622	2019-0936-I-1-11		A
12	19137623	2019-0936-I-1-12		A
13	19137624	2019-0936-I-1-13		A
14	19137625	2019-0936-I-1-14		A
15	19137626	2019-0936-I-3-1		A
16	19137627	2019-0936-I-3-2		A
17	19137628	2019-0936-I-3-3		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	11/25/19	1415
Analyzed by	Akane Yoshikawa		NVL	11/27/19	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions: Stop at first positive

Date: 11/25/2019
 Time: 2:47 PM
 Entered By: Kelly AuVu

CHAIN of CUSTODY SAMPLE LOG

1925065

INDUSTRIAL HYGIENE SERVICES
LABORATORY • MANAGEMENT • TRAINING

Client NVL Laboratories Inc
Street 4708 Aurora Ave N
 Seattle, WA 98103
Project Manager Syed Hasan
Project Location "Bellepark East" - 16241 NE 13th Pl,
 Bellevue, WA 98008

NVL Batch Number
Client Job Number 2019-0936
Total Samples 17
Turn Around Time 1 Hr 6 Hrs 3 Days 10 Days
 2 Hrs 1 Day 4 Days
 4 Hrs 2 Days 5 Days

Please call for TAT less than 24 Hr:

Email address hughw@kcha.org

Phone: (206) 574-1230 **Fax:** (206) 357-2441

Cell (206) 979-0826

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input checked="" type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		2019-0936-I-1-1	STEP 1 IS POSITIVE	
2		1-2	↓	
3		1-3		
4		1-4		
5		1-5		
6		1-6		
7		1-7		
8		1-8		
9		1-9		
10		1-10		
11		1-11		
12		1-12		
13		1-13		
14		1-14		
15		3-1		

	Print Below	Sign Below	Company	Date	Time
Sampled by	DEBRINIC		NVL	11/25/19	9:00
Relinquished by	DEBRINIC		NVL	11/25/19	2:10
Received by	Kellyn		NVL	11/25/19	14:15
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
 Results report to

November 27, 2019



Derrick Gallard
NVL Field Services Division
4708 Aurora Ave. N.
Seattle, WA 98103

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 1925067.00

Client Project: 2019-0936

Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Dear Mr. Gallard,

Enclosed please find test results for the 17 sample(s) submitted to our laboratory for analysis on 11/25/2019.

Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both **EPA 600/M4-82-020**, Interim Method for the Determination of Asbestos in Bulk Insulation Samples and **EPA 600/R-93/116** Method for the Determination of Asbestos in Bulk Building Materials.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by calibrated visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos.

The detection limit for the calibrated visual estimation is <1%, 400 point counts is 0.25% and 1000 point counts is 0.1%

Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read "Matt Macfarlane".

Matt Macfarlane, Asbestos Lab Supervisor



Lab Code: 102063-0

Enc.: Sample Results

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1925067.00

Client Project #: 2019-0936
Date Received: 11/25/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Lab ID: 19137646	Client Sample #: 2019-0936-J-1-1		
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008			
Layer 1 of 1	Description: Off-white lumpy foamy material with paint		
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Calcareous binder, Synthetic foam, Paint	Cellulose <1%	Chrysotile 4%

Lab ID: 19137647	Client Sample #: 2019-0936-J-1-2	Sample Status:	Not Analyzed
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Lab ID: 19137648	Client Sample #: 2019-0936-J-1-3	Sample Status:	Not Analyzed
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Lab ID: 19137649	Client Sample #: 2019-0936-J-1-4	Sample Status:	Not Analyzed
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Lab ID: 19137650	Client Sample #: 2019-0936-J-1-5	Sample Status:	Not Analyzed
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Lab ID: 19137651	Client Sample #: 2019-0936-J-1-6	Sample Status:	Not Analyzed
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Lab ID: 19137652	Client Sample #: 2019-0936-J-1-7	Sample Status:	Not Analyzed
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Lab ID: 19137653	Client Sample #: 2019-0936-J-1-8		
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008			
Layer 1 of 3	Description: White compacted powdery material with layered paint		
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Calcareous binder, Calcareous particles, Paint	Cellulose 2%	Chrysotile 2%

Sampled by: Client		
Analyzed by: Tiffany Querry	Date: 11/27/2019	
Reviewed by: Matt Macfarlane	Date: 11/27/2019	Matt Macfarlane, Asbestos Lab Supervisor

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Seattle, WA 98103

Batch #: 1925067.00

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Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 2 of 3	Description: White compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Calcareous binder, Calcareous particles	Cellulose 12%		Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Gypsum/Binder, Fine grains	Cellulose 25%		None Detected ND
		Glass fibers 7%		

Lab ID: 19137654 **Client Sample #: 2019-0936-J-1-9**
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with layered paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Calcareous binder, Calcareous particles, Paint	Cellulose <1%		Chrysotile 2%
Layer 2 of 3	Description: White compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Calcareous binder, Calcareous particles	Cellulose 13%		Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Gypsum/Binder, Fine grains	Cellulose 28%		None Detected ND

Lab ID: 19137655 **Client Sample #: 2019-0936-J-1-10**
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with layered paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Calcareous binder, Calcareous particles, Paint	Cellulose <1%		Chrysotile 2%

Sampled by: Client		
Analyzed by: Tiffany Querry	Date: 11/27/2019	
Reviewed by: Matt Macfarlane	Date: 11/27/2019	Matt Macfarlane, Asbestos Lab Supervisor

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Seattle, WA 98103

Batch #: 1925067.00

Client Project #: 2019-0936
Date Received: 11/25/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

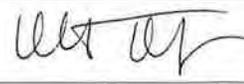
Layer 2 of 3	Description: White compacted powdery material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
	Calcareous binder, Calcareous particles		Cellulose 14%	Chrysotile 3%
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
	Gypsum/Binder, Fine grains		Cellulose 26%	None Detected ND
			Glass fibers 6%	

Lab ID: 19137656 **Client Sample #: 2019-0936-J-1-11**
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with layered paint	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
	Calcareous binder, Calcareous particles, Paint		Cellulose <1%	Chrysotile 2%
Layer 2 of 3	Description: White compacted powdery material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
	Calcareous binder, Calcareous particles		Cellulose 13%	Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
	Gypsum/Binder, Fine grains		Cellulose 25%	None Detected ND
			Glass fibers 7%	

Lab ID: 19137657 **Client Sample #: 2019-0936-J-1-12**
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with layered paint	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
	Calcareous binder, Calcareous particles, Paint		Cellulose <1%	Chrysotile 2%

Sampled by: Client			
Analyzed by: Tiffany Querry	Date: 11/27/2019		
Reviewed by: Matt Macfarlane	Date: 11/27/2019	Matt Macfarlane, Asbestos Lab Supervisor	

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Batch #: 1925067.00

Client Project #: 2019-0936
Date Received: 11/25/2019
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Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 2 of 3	Description: White compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Calcareous binder, Calcareous particles	Cellulose 15%		Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Gypsum/Binder, Fine grains	Cellulose 24%		None Detected ND
		Glass fibers 7%		

Lab ID: 19137658 **Client Sample #: 2019-0936-J-1-13**

Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with layered paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Calcareous binder, Calcareous particles, Paint	Cellulose <1%		Chrysotile 2%
Layer 2 of 3	Description: White compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Calcareous binder, Calcareous particles	Cellulose 14%		Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Gypsum/Binder, Fine grains	Cellulose 25%		None Detected ND
		Glass fibers 6%		

Lab ID: 19137659 **Client Sample #: 2019-0936-J-1-14**

Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with layered paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Calcareous binder, Calcareous particles, Paint	Cellulose 2%		Chrysotile 2%

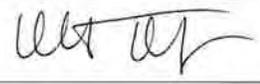
Sampled by: Client

Analyzed by: Tiffany Querry

Reviewed by: Matt Macfarlane

Date: 11/27/2019

Date: 11/27/2019


Matt Macfarlane, Asbestos Lab Supervisor

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
 Address: 4708 Aurora Ave. N.
 Seattle, WA 98103

Batch #: 1925067.00
 Client Project #: 2019-0936
 Date Received: 11/25/2019
 Samples Received: 17
 Samples Analyzed: 11
 Method: EPA/600/R-93/116
 & EPA/600/M4-82-020

Attention: Mr. Derrick Gallard
 Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 2 of 3	Description: White compacted powdery material with paper	Non-Fibrous Materials: Calcareous binder, Calcareous particles	Other Fibrous Materials:% Cellulose 14%	Asbestos Type: % Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials: Gypsum/Binder, Fine grains	Other Fibrous Materials:% Cellulose 24% Glass fibers 6%	Asbestos Type: % None Detected ND

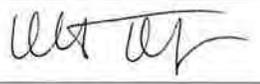
Lab ID: 19137660 **Client Sample #: 2019-0936-J-3-1**
 Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 1	Description: Off-white soft rubbery material with paint	Non-Fibrous Materials: Binder/Filler, Fine particles, Paint Wood flakes	Other Fibrous Materials:% Cellulose <1%	Asbestos Type: % None Detected ND
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Lab ID: 19137661 **Client Sample #: 2019-0936-J-3-2**
 Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 2	Description: White soft rubbery material	Non-Fibrous Materials: Binder/Filler, Fine particles	Other Fibrous Materials:% None Detected ND	Asbestos Type: % None Detected ND
Layer 2 of 2	Description: Off-white soft rubbery material with paint	Non-Fibrous Materials: Binder/Filler, Fine particles, Paint	Other Fibrous Materials:% Cellulose <1%	Asbestos Type: % None Detected ND

Lab ID: 19137662 **Client Sample #: 2019-0936-J-3-3**
 Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Sampled by: Client		
Analyzed by: Tiffany Querry	Date: 11/27/2019	
Reviewed by: Matt Macfarlane	Date: 11/27/2019	Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1925067.00

Client Project #: 2019-0936

Date Received: 11/25/2019

Samples Received: 17

Samples Analyzed: 11

Method: EPA/600/R-93/116

& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 1 **Description:** Beige soft rubbery material with paint and wood debris

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: % None Detected ND
Binder/Filler, Fine particles, Paint	Cellulose <1%	
Wood flakes		

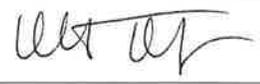
Sampled by: Client

Analyzed by: Tiffany Querry

Reviewed by: Matt Macfarlane

Date: 11/27/2019

Date: 11/27/2019


Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

ASBESTOS LABORATORY SERVICES



Company NVL Field Services Division	NVL Batch Number 1925067.00
Address 4708 Aurora Ave. N. Seattle, WA 98103	TAT 2 Days AH No
Project Manager Mr. Derrick Gallard	Rush TAT
Phone (206) 547-0100	Due Date 11/27/2019 Time 2:15 PM
Cell (206) 707-3236	Email derrick.g@nvlabs.com
	Fax (206) 634-1936

Project Name/Number: 2019-0936 **Project Location:** "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Subcategory PLM Bulk
 Item Code ASB-02 EPA 600/R-93-116 Asbestos by PLM <bulk>

Total Number of Samples 17 Rush Samples

Lab ID	Sample ID	Description	A/R	
1	19137646	2019-0936-J-1-1	Stop at first positive	A
2	19137647	2019-0936-J-1-2	***	A
3	19137648	2019-0936-J-1-3	***	A
4	19137649	2019-0936-J-1-4	***	A
5	19137650	2019-0936-J-1-5	***	A
6	19137651	2019-0936-J-1-6	***	A
7	19137652	2019-0936-J-1-7	***	A
8	19137653	2019-0936-J-1-8		A
9	19137654	2019-0936-J-1-9		A
10	19137655	2019-0936-J-1-10		A
11	19137656	2019-0936-J-1-11		A
12	19137657	2019-0936-J-1-12		A
13	19137658	2019-0936-J-1-13		A
14	19137659	2019-0936-J-1-14		A
15	19137660	2019-0936-J-3-1		A
16	19137661	2019-0936-J-3-2		A
17	19137662	2019-0936-J-3-3		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	11/25/19	1415
Analyzed by	Tiffany Querry		NVL	11/27/19	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions: Stop at first positive

Date: 11/25/2019
 Time: 2:51 PM
 Entered By: Kelly AuVu

CHAIN of CUSTODY SAMPLE LOG

1925067

INDUSTRIAL HYGIENE SERVICES
LABORATORY • MANAGEMENT • TRAINING

Client NVL Laboratories Inc
Street 4708 Aurora Ave N
 Seattle, WA 98103
Project Manager Syed Hasan
Project Location "Bellepark East" - 16241 NE 13th Pl,
 Bellevue, WA 98008

NVL Batch Number _____
Client Job Number 2019-0936
Total Samples 17
Turn Around Time 1 Hr 6 Hrs 3 Days 10 Days
 2 Hrs 1 Day 4 Days
 4 Hrs 2 Days 5 Days

Please call for TAT less than 24 Hr:

Email address hughw@kcha.org

Phone: (206) 574-1230 **Fax:** (206) 357-2441 **Cell** (206) 979-0826

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input checked="" type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
		<input type="checkbox"/> Soil	<input type="checkbox"/> Paint Chips in %		<input type="checkbox"/> Zinc (Zn)
		<input type="checkbox"/> Paint Chips in cr			
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		2019-0936-J-1-1	STOP @ 1ST POSITIVE	2019-0936-J-3-2
2		1-2	↓	↓ 3-3
3		1-3		
4		1-4		
5		1-5		
6		1-6		
7		1-7		
8		1-8		
9		1-9		
10		1-10		
11		1-11		
12		1-12		
13		1-13		
14		1-14		
15		3-1		

	Print Below	Sign Below	Company	Date	Time
Sampled by	DERRICK	[Signature]	NVL	11-25-19	9:00
Relinquished by	DERRICK	[Signature]	NVL	11-25-19	2:10
Received by	[Signature]	[Signature]	NVL	11/25/19	14:15
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
 Results report to _____

November 27, 2019



Derrick Gallard
NVL Field Services Division
4708 Aurora Ave. N.
Seattle, WA 98103

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 1925066.00

Client Project: 2019-0936

Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Dear Mr. Gallard,

Enclosed please find test results for the 17 sample(s) submitted to our laboratory for analysis on 11/25/2019.

Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both **EPA 600/M4-82-020**, Interim Method for the Determination of Asbestos in Bulk Insulation Samples and **EPA 600/R-93/116** Method for the Determination of Asbestos in Bulk Building Materials.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by calibrated visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos.

The detection limit for the calibrated visual estimation is <1%, 400 point counts is 0.25% and 1000 point counts is 0.1%

Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Ly".

Nick Ly, Technical Director



Enc.: Sample Results

Lab Code: 102063-0

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1925066.00

Client Project #: 2019-0936

Date Received: 11/25/2019

Samples Received: 17

Samples Analyzed: 11

Method: EPA/600/R-93/116

& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Lab ID: 19137629 **Client Sample #: 2019-0936-K-1-1**
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008
Layer 1 of 1 **Description:** White lumpy foamy material with paint

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Calcareous binder, Synthetic foam, Paint	None Detected ND	Chrysotile 5%

Lab ID: 19137630	Client Sample #: 2019-0936-K-1-2	Sample Status:	Not Analyzed
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Lab ID: 19137631	Client Sample #: 2019-0936-K-1-3	Sample Status:	Not Analyzed
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Lab ID: 19137632	Client Sample #: 2019-0936-K-1-4	Sample Status:	Not Analyzed
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Lab ID: 19137633	Client Sample #: 2019-0936-K-1-5	Sample Status:	Not Analyzed
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Lab ID: 19137634	Client Sample #: 2019-0936-K-1-6	Sample Status:	Not Analyzed
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Lab ID: 19137635	Client Sample #: 2019-0936-K-1-7	Sample Status:	Not Analyzed
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Lab ID: 19137636 **Client Sample #: 2019-0936-K-1-8**
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3 **Description:** White/off-white compacted powdery material with paint

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Calcareous binder, Paint	None Detected ND	Chrysotile 2%

Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Nick Ly

Date: 11/27/2019

Date: 11/27/2019

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
 Address: 4708 Aurora Ave. N.
 Seattle, WA 98103

Batch #: 1925066.00
 Client Project #: 2019-0936
 Date Received: 11/25/2019
 Samples Received: 17
 Samples Analyzed: 11
 Method: EPA/600/R-93/116
 & EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 2 of 3	Description: White/off-white compacted powdery material with paper	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
		Calcareous binder	Cellulose 30%	Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
		Gypsum/Binder	Cellulose 10%	None Detected ND
			Glass fibers 2%	

Lab ID: 19137637 **Client Sample #: 2019-0936-K-1-9**
 Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: White/off-white compacted powdery material with paint	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
		Calcareous binder, Paint	None Detected ND	Chrysotile 3%
Layer 2 of 3	Description: White/off-white compacted powdery material with paper	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
		Calcareous binder	Cellulose 34%	Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
		Gypsum/Binder, Mica	Cellulose 15%	None Detected ND
			Glass fibers 2%	

Lab ID: 19137638 **Client Sample #: 2019-0936-K-1-10**
 Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with paint	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
		Calcareous binder, Paint	Cellulose <1%	Chrysotile <1%

Sampled by: Client
Analyzed by: Matt Macfarlane **Date:** 11/27/2019
Reviewed by: Nick Ly **Date:** 11/27/2019 
 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1925066.00

Client Project #: 2019-0936
Date Received: 11/25/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 2 of 3	Description: White compacted powdery material with paper	Non-Fibrous Materials: Calcereous binder	Other Fibrous Materials:% Cellulose 35%	Asbestos Type: % Chrysotile 3%
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials: Gypsum/Binder	Other Fibrous Materials:% Cellulose 10%	Asbestos Type: % None Detected ND

Lab ID: 19137639 **Client Sample #: 2019-0936-K-1-11**
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with paint	Non-Fibrous Materials: Calcereous binder, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % Chrysotile 2%
Layer 2 of 3	Description: White compacted powdery material with paint	Non-Fibrous Materials: Calcereous binder, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % Chrysotile 2%
Layer 3 of 3	Description: Chalky white material with paper	Non-Fibrous Materials: Gypsum/Binder	Other Fibrous Materials:% Cellulose 10% Glass fibers 2%	Asbestos Type: % None Detected ND

Lab ID: 19137640 **Client Sample #: 2019-0936-K-1-12**
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with paint	Non-Fibrous Materials: Calcereous binder, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % Chrysotile 2%
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Sampled by: Client	 _____ Nick Ly, Technical Director
Analyzed by: Matt Macfarlane	
Reviewed by: Nick Ly	
Date: 11/27/2019	
Date: 11/27/2019	

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1925066.00

Client Project #: 2019-0936
Date Received: 11/25/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 2 of 3	Description: White compacted powdery material with paper	Non-Fibrous Materials: Calcareous binder	Other Fibrous Materials:% Cellulose 35%	Asbestos Type: % Chrysotile <1%
Layer 3 of 3	Description: Chalky white material with paper	Non-Fibrous Materials: Gypsum/Binder, Mica	Other Fibrous Materials:% Cellulose 10% Glass fibers 2%	Asbestos Type: % None Detected ND

Lab ID: 19137641 Client Sample #: 2019-0936-K-1-13

Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with paint	Non-Fibrous Materials: Calcareous binder, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % Chrysotile 3%
Layer 2 of 3	Description: White compacted powdery material with paper	Non-Fibrous Materials: Calcareous binder	Other Fibrous Materials:% Cellulose 40%	Asbestos Type: % Chrysotile 2%
Layer 3 of 3	Description: White chalky material with paper	Non-Fibrous Materials: Gypsum/Binder	Other Fibrous Materials:% Cellulose 12% Glass fibers 2%	Asbestos Type: % None Detected ND

Lab ID: 19137642 Client Sample #: 2019-0936-K-1-14

Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 1 of 3	Description: White compacted powdery material with paint	Non-Fibrous Materials: Calcareous binder, Paint	Other Fibrous Materials:% None Detected ND	Asbestos Type: % Chrysotile 3%
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Sampled by: Client

Analyzed by: Matt Macfarlane

Reviewed by: Nick Ly

Date: 11/27/2019

Date: 11/27/2019

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1925066.00

Client Project #: 2019-0936
Date Received: 11/25/2019
Samples Received: 17
Samples Analyzed: 11
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Layer 2 of 3	Description: White compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Calcareous binder	Cellulose 35%		Chrysotile <1%
Layer 3 of 3	Description: Chalky white material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Gypsum/Binder	Cellulose 14%		None Detected ND
		Glass fibers 2%		

Lab ID: 19137643	Client Sample #: 2019-0936-K-3-1			
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008				
Layer 1 of 1	Description: Soft off-white rubbery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Rubber/Binder, Paint	Wood fibers 1%		None Detected ND

Lab ID: 19137644	Client Sample #: 2019-0936-K-3-2			
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008				
Layer 1 of 1	Description: Soft off-white rubbery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Rubber/Binder, Paint	None Detected ND		None Detected ND

Lab ID: 19137645	Client Sample #: 2019-0936-K-3-3			
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008				
Layer 1 of 1	Description: Soft tan rubbery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		Asbestos Type: %
	Rubber/Binder, Paint, Fine grains	Cellulose 1%		None Detected ND
	Fine particles			

Sampled by: Client		
Analyzed by: Matt Macfarlane	Date: 11/27/2019	
Reviewed by: Nick Ly	Date: 11/27/2019	Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

ASBESTOS LABORATORY SERVICES



Company NVL Field Services Division Address 4708 Aurora Ave. N. Seattle, WA 98103 Project Manager Mr. Derrick Gallard Phone (206) 547-0100 Cell (206) 707-3236	NVL Batch Number 1925066.00 TAT 2 Days AH No Rush TAT Due Date 11/27/2019 Time 2:15 PM Email derrick.g@nvlabs.com Fax (206) 634-1936
--	---

Project Name/Number: 2019-0936 **Project Location:** "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Subcategory PLM Bulk
Item Code ASB-02 EPA 600/R-93-116 Asbestos by PLM <bulk>

Total Number of Samples 17 **Rush Samples**

Lab ID	Sample ID	Description	A/R	
1	19137629	2019-0936-K-1-1	Stop at first positive	A
2	19137630	2019-0936-K-1-2	***	A
3	19137631	2019-0936-K-1-3	***	A
4	19137632	2019-0936-K-1-4	***	A
5	19137633	2019-0936-K-1-5	***	A
6	19137634	2019-0936-K-1-6	***	A
7	19137635	2019-0936-K-1-7	***	A
8	19137636	2019-0936-K-1-8		A
9	19137637	2019-0936-K-1-9		A
10	19137638	2019-0936-K-1-10		A
11	19137639	2019-0936-K-1-11		A
12	19137640	2019-0936-K-1-12		A
13	19137641	2019-0936-K-1-13		A
14	19137642	2019-0936-K-1-14		A
15	19137643	2019-0936-K-3-1		A
16	19137644	2019-0936-K-3-2		A
17	19137645	2019-0936-K-3-3		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	11/25/19	1415
Analyzed by	Matt Macfarlane		NVL	11/27/19	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions:

Date: 11/25/2019
 Time: 2:50 PM
 Entered By: Kelly AuVu

CHAIN of CUSTODY SAMPLE LOG

1925066

INDUSTRIAL HYGIENE SERVICES
LABORATORY • MANAGEMENT • TRAINING

Client NVL Laboratories Inc
Street 4708 Aurora Ave N
 Seattle, WA 98103
Project Manager Syed Hasan
Project Location "Bellepark East" - 16241 NE 13th Pl,
 Bellevue, WA 98008

NVL Batch Number _____
Client Job Number 2019-0936
Total Samples 17
Turn Around Time 1 Hr 6 Hrs 3 Days 10 Days
 2 Hrs 1 Day 4 Days
 4 Hrs 2 Days 5 Days

Please call for TAT less than 24 Hr:

Email address hughw@kcha.org

Phone: (206) 574-1230 **Fax:** (206) 357-2441

Cell (206) 979-0826

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input checked="" type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Soil	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Paint Chips in %	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Paint Chips in cr	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	AIR
1		2019-0936-K-1-1	STOP @ 1st POSITIVE	
2		1-2		
3		1-3		
4		1-4		
5		1-5		
6		1-6		
7		1-7		
8		1-8		
9		1-9		
10		1-10		
11		1-11		
12		1-12		
13		1-13		
14		1-14		
15		3-1		

	Print Below	Sign Below	Company	Date	Time
Sampled by	DERRINE		NVL	11-25-19	9:00
Relinquished by	DERRINE		NVL	11-25-19	2:10
Received by	Kelly Allen		NVL	11/25/19	14:15
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

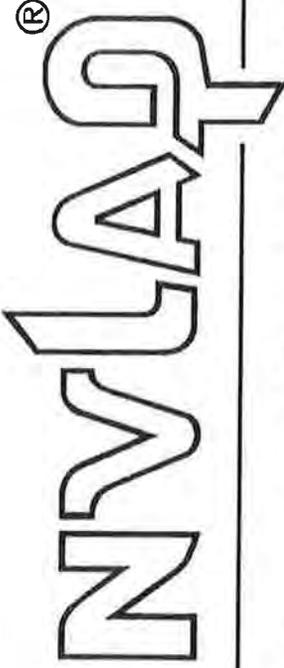
Results report to _____



Appendix C

AHERA Certifications & Laboratory Qualification

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 102063-0

NVL Laboratories, Inc.
Seattle, WA

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).

2019-10-01 through 2020-09-30

Effective Dates

A handwritten signature in black ink, which appears to read "Peter S. Gorman".

For the National Voluntary Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

NVL Laboratories, Inc.
4708 Aurora Avenue N.
Seattle, WA 98103
Mr. Nghiep Vi Ly
Phone: 206-547-0100 Fax: 206-634-1936
Email: nick.l@nvlabs.com
<http://www.nvlabs.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 102063-0

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

A handwritten signature in black ink, appearing to read "Tara S. Laman".

For the National Voluntary Laboratory Accreditation Program

Certificate of Completion

This is to certify that
Derrick S. Gallard
has satisfactorily completed
4 hours of training as an
AHERA Building Inspector

to comply with the training requirements of
TSCA Title II, 40 CFR 763 (AHERA)

EPA Provider # 1085

175015
Certificate Number



Oct 8, 2019 Expires in 1 year

Date(s) of Training

Exam Score: N/A
(if applicable)

A handwritten signature in black ink, appearing to read "Derrick S. Gallard".

Instructor

ARGUS PACIFIC, INC / 21905 64th AVE W, SUITE 100 / MOUNTLAKE TERRACE, WASHINGTON 98043 / 206.285.3373 / ARGUSPACIFIC.COM

Certificate of Completion

This is to certify that
Tanveer E. Khan
has satisfactorily completed
4 hours of refresher training as an
AHERA Building Inspector

to comply with the training requirements of
TSCA Title II, 40 CFR 763 (AHERA)

EPA Provider # 1085

172872

Certificate Number



Apr 24, 2019 Expires in 1 year.

Date(s) of Training

Exam Score:
(if applicable)

A handwritten signature in black ink, appearing to read "A. M. Khan".

Instructor

ARGUS PACIFIC, INC / 21905 64th AVE W, SUITE 100 / MOUNTLAKE TERRACE, WASHINGTON 98043 / 206.285.3373 / ARGUSPACIFIC.COM

December 6, 2019



Mr. Hugh Watkinson
King County Housing Authority
600 Andover Park W
Tukwila, WA 98188

Subject: Point Count Analysis (Addendum - NVL Project # 2019-0936)
@ 16241 NE 13th Place, Bellevue, WA 98008

NVL PROJECT # 2019-0936-1

Dear Mr. Watkinson,

Please find the attached laboratory results of Point Count Analysis performed on the joint compound with paint samples collected from the subject apartment complex on November 22 & 25, 2019.

All lab analysis's were submitted with request of "stop at first positive."

Building A

Sample Number	Material Description by Layer	Location	Asbestos
2019-0936-A-1-8 (layer 1)	Joint compound with paint	Unit A101 – living room	0.9 %
2019-0936-A-1-9 (layer 1)	Joint compound with paint	Unit A102 – bedroom	1.8%
2019-0936-A-1-9 (layer 2)	Not analyzed	Unit A102 – bedroom	Not analyzed
2019-0936-A-1-10 (layer 1)		Unit A201 – living room	
2019-0936-A-1-10 (layer 2)		Unit A201 – living room	
2019-0936-A-1-11 (layer 1)		Unit A202 – bedroom	
2019-0936-A-1-12 (layer 1)		Unit A103 – kitchen	
2019-0936-A-1-12 (layer 2)		Unit A103 – kitchen	
2019-0936-A-1-13 (layer 1)		Unit A104 – living room	
2019-0936-A-1-13 (layer 2)		Unit A104 – living room	
2019-0936-A-1-14 (layer 1)		Unit A204 – bedroom	
2019-0936-A-1-14 (layer 2)		Unit A204 – bedroom	

Building B

Sample Number	Material Description by Layer	Location	Asbestos
2019-0936-B-1-8 (layer 1)	Joint compound with paint	Unit B101 – living room	2.3%
2019-0936-B-1-9 (layer 1)	Not analyzed	Unit B201 – living room	Not analyzed
2019-0936-B-1-10 (layer 1)		Unit B202 – bedroom	
2019-0936-B-1-11 (layer 1)		Unit B103 – living room	
2019-0936-B-1-12 (layer 1)		Unit B104 – living room	
2019-0936-B-1-13 (layer 1)		Unit B203 – bedroom	
2019-0936-B-1-14 (layer 1)		Unit B204 – bedroom	

Building C

Sample Number	Material Description by Layer	Location	Asbestos
2019-0936-C-1-10 (layer 1)	Joint compound with paint	Unit C201 – bedroom	1.5%
2019-0936-C-1-11 (layer 1)	Not analyzed	Unit C103 – living room	Not analyzed
2019-0936-C-1-12 (layer 2)		Unit C104 – bedroom	
2019-0936-C-1-13 (layer 1)		Unit C203 – living room	
2019-0936-C-1-14 (layer 1)		Unit C204 – bedroom	

Building D

Sample Number	Material Description by Layer	Location	Asbestos
2019-0936-D-1-8 (layer 1)	Joint compound with paint	Unit D101 – bedroom	<0.1%
2019-0936-D-1-9 (layer 1)	Joint compound with paint	Unit D102 – living room	0.5%
2019-0936-D-1-9 (layer 2)	Joint compound with paint	Unit D102 – living room	<0.1%
2019-0936-D-1-10 (layer 1)	Joint compound with paint	Unit D202 – bedroom	0.8%
2019-0936-D-1-11 (layer 1)	Joint compound with paint	Unit D103 – bedroom	0.3%
2019-0936-D-1-12 (layer 1)	Joint compound with paint	Unit D104 – living room	1.3%
2019-0936-D-1-13 (layer 1)	Not analyzed	Unit D203 – living room	Not analyzed
2019-0936-D-1-14 (layer 1)		Unit D204 – bedroom	
2019-0936-D-1-14 (layer 2)		Unit D204 – bedroom	

Building E

Sample Number	Material Description by Layer	Location	Asbestos
2019-0936-E-1-8 (layer 1)	Joint compound with paint	Unit E101 – living room	2.8%
2019-0936-E-1-8 (layer 2)	Not analyzed	Unit E101 – living room	Not analyzed
2019-0936-E-1-9 (layer 1)		Unit E105 – bedroom	
2019-0936-E-1-10 (layer 1)		Unit E107 – living room	
2019-0936-E-1-11 (layer 1)		Unit E108 – bedroom	
2019-0936-E-1-11 (layer 2)		Unit E108 – bedroom	
2019-0936-E-1-12 (layer 1)		Unit E201 – living room	
2019-0936-E-1-13 (layer 1)		Unit E206 – bedroom	
2019-0936-E-1-13 (layer 2)		Unit E206 – bedroom	
2019-0936-E-1-14 (layer 1)		Unit E311 – living room	
2019-0936-E-1-14 (layer 2)		Unit E311 – living room	

Building FG

Sample Number	Material Description by Layer	Location	Asbestos
2019-0936-FG-1-9 (layer 1)	Joint compound with paint	Unit F201 – bedroom	1.5%
2019-0936-FG-1-9 (layer 2)	Not analyzed	Unit F201 – bedroom	Not analyzed
2019-0936-FG-1-10 (layer 2)		Unit F103 – living room	
2019-0936-FG-1-10 (layer 3)		Unit F103 – living room	
2019-0936-FG-1-11 (layer 1)		Unit F203 – bedroom	
2019-0936-FG-1-11 (layer 2)		Unit F203 – bedroom	
2019-0936-FG-1-12 (layer 2)		Unit G203 – living room	
2019-0936-FG-1-12 (layer 3)		Unit G203 – living room	
2019-0936-FG-1-14 (layer 1)		Unit G201 – bedroom	
2019-0936-FG-1-14 (layer 2)		Unit G201 – bedroom	

Building H

Sample Number	Material Description by Layer	Location	Asbestos
2019-0936-H-1-8 (layer 1)	Joint compound with paint	Unit H103 – bedroom	2.5%
2019-0936-H-1-8 (layer 2)	Not analyzed	Unit H103 – bedroom	Not analyzed
2019-0936-H-1-9 (layer 1)		Unit H203 – living room	
2019-0936-H-1-9 (layer 2)		Unit H203 – living room	
2019-0936-H-1-10 (layer 1)		Unit H204 – bedroom	
2019-0936-H-1-10 (layer 2)		Unit H204 – bedroom	
2019-0936-H-1-11 (layer 1)		Unit H101 – living room	
2019-0936-H-1-11 (layer 1)		Unit H101 – living room	
2019-0936-H-1-12 (layer 1)		Unit H102 – bedroom	
2019-0936-H-1-12 (layer 2)		Unit H102 – bedroom	
2019-0936-H-1-13 (layer 1)		Unit H201 – living room	
2019-0936-H-1-13 (layer 2)		Unit H201 – living room	
2019-0936-H-1-14 (layer 1)		Unit H202 – bedroom	
2019-0936-H-1-14 (layer 2)		Unit H202 – bedroom	

Building I

Sample Number	Material Description by Layer	Location	Asbestos
2019-0936-I-1-8 (layer 1)	Joint compound with paint	Unit I104 – living room	1.3%
2019-0936-I-1-8 (layer 2)	Not analyzed	Unit I104 – living room	Not analyzed
2019-0936-I-1-9 (layer 1)		Unit I103 – bedroom	
2019-0936-I-1-9 (layer 2)		Unit I103 – bedroom	
2019-0936-I-1-10 (layer 1)		Unit I203 – bedroom	
2019-0936-I-1-10 (layer 2)		Unit I203 – bedroom	
2019-0936-I-1-11 (layer 2)		Unit I204 – living room	
2019-0936-I-1-11 (layer 3)		Unit I204 – living room	
2019-0936-I-1-12 (layer 1)		Unit I102 – bedroom	
2019-0936-I-1-12 (layer 2)		Unit I102 – bedroom	
2019-0936-I-1-13 (layer 1)		Unit I101 – living room	
2019-0936-I-1-13 (layer 2)		Unit I101 – living room	
2019-0936-I-1-14 (layer 1)		Unit I201 – bedroom	
2019-0936-I-1-14 (layer 2)		Unit I201 – bedroom	

Building J

Sample Number	Material Description by Layer	Location	Asbestos
2019-0936-J-1-8 (layer 1)	Joint compound with paint	Unit J104 – living room	4.0%
2019-0936-J-1-8 (layer 2)	Not analyzed	Unit J104 – living room	Not analyzed
2019-0936-J-1-9 (layer 1)		Unit J103 – bedroom	
2019-0936-J-1-9 (layer 2)		Unit J103 – bedroom	
2019-0936-J-1-10 (layer 1)		Unit J204 – bedroom	
2019-0936-J-1-10 (layer 2)		Unit J204 – bedroom	
2019-0936-J-1-11 (layer 1)		Unit J204 – living room	
2019-0936-J-1-11 (layer 2)		Unit J204 – living room	
2019-0936-J-1-12 (layer 1)		Unit J101 – bedroom	
2019-0936-J-1-12 (layer 2)		Unit J101 – bedroom	
2019-0936-J-1-13 (layer 1)		Unit J102 – living room	
2019-0936-J-1-13 (layer 2)		Unit J102 – living room	
2019-0936-J-1-14 (layer 1)		Unit J201 – bedroom	
2019-0936-J-1-14 (layer 2)		Unit J201 – bedroom	

Building K

Sample Number	Material Description by Layer	Location	Asbestos
2019-0936-K-1-8 (layer 1)	Joint compound with paint	Unit K103 – living room	2.8%
2019-0936-K-1-8 (layer 2)	Not analyzed	Unit K103 – living room	Not analyzed
2019-0936-K-1-9 (layer 1)		Unit K204 – bedroom	
2019-0936-K-1-9 (layer 2)		Unit K204 – bedroom	
2019-0936-K-1-10 (layer 2)		Unit K204 – living room	
2019-0936-K-1-11 (layer 1)		Unit K203 – bedroom	
2019-0936-K-1-11 (layer 2)		Unit K203 – bedroom	
2019-0936-K-1-12 (layer 1)		Unit K101 – living room	
2019-0936-K-1-13 (layer 1)		Unit K201 – bedroom	
2019-0936-K-1-13 (layer 2)		Unit K201 – bedroom	
2019-0936-K-1-14 (layer 1)		Unit K202 – kitchen	

Conclusions and Recommendations

The Joint compound with paint (approx. 8,700 LF) associated with the interior walls of buildings A – K is confirmed to contain asbestos by Point Count Analysis. Asbestos abatement protocols apply.

Feel free to contact me at (206) 547-0100 if you have any questions or concerns or for any of your hazardous materials needs.

Prepared By

A handwritten signature in black ink, appearing to read "Derrick Gallard".

Derrick Gallard

AHERA Building Inspector

AHERA Certification: # 175015

Expiration Date: October 8, 2020

Attachment: Laboratory Analysis Results

Laboratory Analysis Results

December 4, 2019



Rico Gonzalez
NVL Field Services Division
4708 Aurora Ave. N.
Seattle, WA 98103

**RE: Bulk Asbestos Fiber Concentration by Point Count
NVL Batch # 1925388**

Client Project: 2019-0936-A
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Dear Mr. Gonzalez,

At your request, NVL Laboratories conducted analysis of your sample to determine the asbestos concentration using point count procedures.

The sample was analyzed for the presence of asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with U.S. EPA method 600/R-93/116.

Eight slides of thoroughly homogenized material are prepared for any given sample that requires point counting. In order to be counted as a point, the crosshairs of the microscope must center on either a fiber or a particle. The analyst counts at least 50 points per slide preparation. A minimum of 400 non-empty points are counted, then the number of counted asbestos fibers are divided by the total number of points counted to arrive at the percentage of asbestos in the sample.

Please see the conclusion section of the lab reports for point count results.

It has been a pleasure to be of service to you. Please feel free to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read "Matt Macfarlane".

Matt Macfarlane, Asbestos Lab Supervisor



Enc.: Sample Results

Lab Code: 102063-0

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516

PLM Point Count Bulk Asbestos Fibers Analysis



Client: NVL Field Services Division
Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Batch #: 1925388.00
Client Project #: 2019-0936-A
Date Received: 12/2/2019
Samples Received: 12
Samples Analyzed: 2
Method: EPA/600R-93/116

Attention: Mr. Rico Gonzalez
Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Lab ID : 19139338 Client Sample #: 2019-0936-A-1-8 Layer 1

Sample Description: Beige compacted powdery material with paper and paint. Layer 1 of 2.

Introduction: This sample was initially analyzed for Asbestos content using Polarized Light Microscopy (PLM). Asbestos fibers were observed and quantity was determined using calibrated visual area estimation. Asbestos content was originally found to be 2 % in Layer 1. Corresponding Lab ID 19136754

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	0	50	50
2	1	49	50
3	0	50	50
4	1	49	50
5	1	49	50
6	0	50	50
7	1	49	50
8	0	100	100
Total	4	446	450

Conclusion: This Sample Contains 0.9 % ASBESTOS

Sampled by: Client
Analyzed by: Tiffany Querry **Date:** 12/04/2019
Reviewed by: Matt Macfarlane **Date:** 12/04/2019 *[Signature]*
 Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

ASBESTOS LABORATORY SERVICES



Company NVL Field Services Division Address 4708 Aurora Ave. N. Seattle, WA 98103 Project Manager Mr. Rico Gonzalez Phone (206) 547-0100 Cell (206) 948-3422	NVL Batch Number 1925388.00 TAT 2 Days AH No. Rush TAT Due Date 12/4/2019 Time 3:30 PM Email rico.g@nvlabs.com Fax (206) 634-1936
--	---

Project Name/Number: 2019-0936-A **Project Location:** "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Subcategory PLM Bulk
Item Code ASB-03 EPA 600/R-93-116 Asbestos by PLM (400 points) <bulk>

Total Number of Samples 12 **Rush Samples**

Lab ID	Sample ID	Description	A/R	
1	19139338	2019-0936-A-1-8 Layer 1	Stop at first positive	A
2	19139339	2019-0936-A-1-9 Layer 1	***	A
3	19139340	2019-0936-A-1-9 Layer 2	***	A
4	19139341	2019-0936-A-1-10 Layer 1	***	A
5	19139342	2019-0936-A-1-10 Layer 2	***	A
6	19139343	2019-0936-A-1-11 Layer 1	***	A
7	19139344	2019-0936-A-1-12 Layer 1	***	A
8	19139345	2019-0936-A-1-12 Layer 2	***	A
9	19139346	2019-0936-A-1-13 Layer 1	***	A
10	19139347	2019-0936-A-1-13 Layer 2	***	A
11	19139348	2019-0936-A-1-14 Layer 1	***	A
12	19139349	2019-0936-A-1-14 Layer 2	***	A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	12/2/19	1530
Analyzed by	Tiffany Query		NVL	12/4/19	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions: Sample originally from batch 1924953

Date: 12/2/2019
 Time: 3:32 PM
 Entered By: Kelly AuVu

CHAIN of CUSTODY SAMPLE LOG

1925388

LABORATORY · MANAGEMENT · TRAINING

Client NVL Laboratories Inc
Street 4708 Aurora Ave N
 Seattle, WA 98103
Project Manager Syed Hasan
Project Location "Bellepark East" - 16241 NE 13th Pl,
 Bellevue, WA 98008

NVL Batch Number _____
Client Job Number 2019-0936 - A
Total Samples 12
Turn Around Time 1 Hr 6 Hrs 3 Days 10 Days
 2 Hrs 1 Day 4 Days
 4 Hrs 2 Days 5 Days

Please call for TAT less than 24 Hrs

Email address hughw@kcha.org

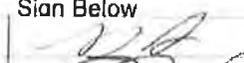
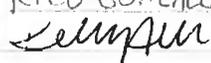
Phone: (206) 574-1230 **Fax:** (206) 357-2441

Cell (206) 979-0826

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/600/R-93/116)	<input checked="" type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
		<input type="checkbox"/> Soil	<input type="checkbox"/> Paint Chips in %		<input type="checkbox"/> Zinc (Zn)
		<input type="checkbox"/> Paint Chips in crr			
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		2019-0936-A-1-8	LAYER 1 STOP @ 1ST POSITIVE BATCH # 192453	
2		2019-0936-A-1-9	LAYER 1	
3		A-1-9	LAYER 2	
4		A-1-10	LAYER 1	
5		A-1-10	LAYER 2	
6		A-1-11	LAYER 1	
7		A-1-12	LAYER 1	
8		A-1-12	LAYER 2	
9		A-1-13	LAYER 1	
10		A-1-13	LAYER 2	
11		A-1-14	LAYER 1	
12		A-1-14	LAYER 2	
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	RICO GONZALEZ		NVL	12.2.19	3:30
Relinquished by	RICO GONZALEZ		NVL	12.2.19	3:30
Received by			NVL	12/12/19	15:30
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Results report to _____

December 4, 2019



Rico Gonzalez
NVL Field Services Division
4708 Aurora Ave. N.
Seattle, WA 98103

**RE: Bulk Asbestos Fiber Concentration by Point Count
NVL Batch # 1925389**

Client Project: 2019-0936-B
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Dear Mr. Gonzalez,

At your request, NVL Laboratories conducted analysis of your sample to determine the asbestos concentration using point count procedures.

The sample was analyzed for the presence of asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with U.S. EPA method 600/R-93/116.

Eight slides of thoroughly homogenized material are prepared for any given sample that requires point counting. In order to be counted as a point, the crosshairs of the microscope must center on either a fiber or a particle. The analyst counts at least 50 points per slide preparation. A minimum of 400 non-empty points are counted, then the number of counted asbestos fibers are divided by the total number of points counted to arrive at the percentage of asbestos in the sample.

Please see the conclusion section of the lab reports for point count results.

It has been a pleasure to be of service to you. Please feel free to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Ly". The signature is fluid and cursive.

Nick Ly, Technical Director



Enc.: Sample Results

Lab Code: 102063-0

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516

PLM Point Count Bulk Asbestos Fibers Analysis



Client: NVL Field Services Division
 Address: 4708 Aurora Ave. N.
 Seattle, WA 98103
Attention: Mr. Rico Gonzalez
 Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Batch #: 1925389.00
 Client Project #: 2019-0936-B
 Date Received: 12/2/2019
 Samples Received: 7
 Samples Analyzed: 1
 Method: EPA/600R-93/116

Lab ID : 19139350 Client Sample #: 2019-0936-B-1-8 Layer 1

Sample Description: White/off-white compacted powdery material with paint, Layer 1 of 3

Introduction: This sample was initially analyzed for Asbestos content using Polarized Light Microscopy (PLM). Asbestos fibers were observed and quantity was determined using calibrated visual area estimation. Asbestos content was originally found to be 2 % in Layer 1. Corresponding Lab ID 19136777

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	0	50	50
2	1	49	50
3	0	50	50
4	0	50	50
5	4	46	50
6	2	48	50
7	2	48	50
8	0	50	50
Total	9	391	400

Conclusion: This Sample Contains 2.3 % ASBESTOS

Sampled by: Client
Analyzed by: Matt Macfarlane **Date:** 12/04/2019
Reviewed by: Nick Ly **Date:** 12/04/2019

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

ASBESTOS LABORATORY SERVICES



Company NVL Field Services Division
Address 4708 Aurora Ave. N.
 Seattle, WA 98103
Project Manager Mr. Rico Gonzalez
Phone (206) 547-0100
Cell (206) 948-3422
NVL Batch Number 1925389.00
TAT 2 Days **AH No.**
Rush TAT
Due Date 12/4/2019 **Time** 3:30 PM
Email rico.g@nvlabs.com
Fax (206) 634-1936

Project Name/Number: 2019-0936-B **Project Location:** "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Subcategory PLM Bulk
Item Code ASB-03 EPA 600/R-93-116 Asbestos by PLM (400 points) <bulk>

Total Number of Samples 7 **Rush Samples** _____

Lab ID	Sample ID	Description	A/R
1	19139350	2019-0936-B-1-8 Layer 1 Stop at first positive	A
2	19139351	2019-0936-B-1-9 Layer 1 ***	A
3	19139352	2019-0936-B-1-10 Layer 1 ***	A
4	19139353	2019-0936-B-1-11 Layer 1 ***	A
5	19139354	2019-0936-B-1-12 Layer 1 ***	A
6	19139355	2019-0936-B-1-13 Layer 1 ***	A
7	19139356	2019-0936-B-1-14 Layer 1 ***	A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	12/2/19	1530
Analyzed by	Matt Macfarlane		NVL	12/4/19	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions: Sample originally from batch 1924955

Date: 12/2/2019
 Time: 3:38 PM
 Entered By: Kelly AuVu

CHAIN of CUSTODY SAMPLE LOG

1925389

LABORATORY • MANAGEMENT • TRAINING

Client NVL Laboratories Inc
Street 4708 Aurora Ave N
 Seattle, WA 98103
Project Manager Syed Hasan
Project Location "Bellepark East" - 16241 NE 13th Pl,
 Bellevue, WA 98008

NVL Batch Number _____
Client Job Number 2019-0936 -B
Total Samples 7
Turn Around Time 1 Hr 6 Hrs 3 Days 10 Days
 2 Hrs 1 Day 4 Days
 4 Hrs 2 Days 5 Days

Please call for TAT less than 24 Hrs

Email address hughw@kcha.org

Phone: (206) 574-1230 **Fax:** (206) 357-2441

Cell (206) 979-0826

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/600/R-93/116)	<input checked="" type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		2019-0936-B-1-8	LAYER 1 STOP @ 1ST POSITIVE BATCH #1924955	
2		2019-0936-B-1-9	LAYER 1	
3		B-1-10	LAYER 1	
4		B-1-11	LAYER 1	
5		B-1-12	LAYER 1	
6		B-1-13	LAYER 1	
7		B-1-14	LAYER 1	
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	RICO GONZALEZ		NVL	12.2.19	3:30
Relinquished by	RICO GONZALEZ		NVL	12.2.19	3:30
Received by			NVL	12/2/19	15:30
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
 Results report to _____

December 4, 2019



Rico Gonzalez
NVL Field Services Division
4708 Aurora Ave. N.
Seattle, WA 98103

**RE: Bulk Asbestos Fiber Concentration by Point Count
NVL Batch # 1925391**

Client Project: 2019-0936-C
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Dear Mr. Gonzalez,

At your request, NVL Laboratories conducted analysis of your sample to determine the asbestos concentration using point count procedures.

The sample was analyzed for the presence of asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with U.S. EPA method 600/R-93/116.

Eight slides of thoroughly homogenized material are prepared for any given sample that requires point counting. In order to be counted as a point, the crosshairs of the microscope must center on either a fiber or a particle. The analyst counts at least 50 points per slide preparation. A minimum of 400 non-empty points are counted, then the number of counted asbestos fibers are divided by the total number of points counted to arrive at the percentage of asbestos in the sample.

Please see the conclusion section of the lab reports for point count results.

It has been a pleasure to be of service to you. Please feel free to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Ly".

Nick Ly, Technical Director



Enc.: Sample Results

Lab Code: 102063-0

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516

PLM Point Count Bulk Asbestos Fibers Analysis



Client: NVL Field Services Division
 Address: 4708 Aurora Ave. N.
 Seattle, WA 98103
Attention: Mr. Rico Gonzalez
 Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Batch #: 1925391.00
 Client Project #: 2019-0936-C
 Date Received: 12/2/2019
 Samples Received: 5
 Samples Analyzed: 1
 Method: EPA/600R-93/116

Lab ID : 19139357 Client Sample #: 2019-0936-C-1-10 Layer 1

Sample Description: White/off-white compacted powdery material with paint, Layer 1 of 3

Introduction: This sample was initially analyzed for Asbestos content using Polarized Light Microscopy (PLM). Asbestos fibers were observed and quantity was determined using calibrated visual area estimation. Asbestos content was originally found to be 2 % in Layer 1. Corresponding Lab ID 19136796

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	2	48	50
2	0	50	50
3	1	49	50
4	0	50	50
5	1	49	50
6	0	50	50
7	1	49	50
8	1	49	50
Total	6	394	400

Conclusion: This Sample Contains 1.5 % ASBESTOS

Sampled by: Client
Analyzed by: Matt Macfarlane **Date:** 12/04/2019
Reviewed by: Nick Ly **Date:** 12/04/2019 Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

ASBESTOS LABORATORY SERVICES



Company NVL Field Services Division
Address 4708 Aurora Ave. N.
 Seattle, WA 98103
Project Manager Mr. Rico Gonzalez
Phone (206) 547-0100
Cell (206) 948-3422

NVL Batch Number 1925391.00
TAT 2 Days **AH No**
Rush TAT
Due Date 12/4/2019 **Time** 3:30 PM
Email rico.g@nvlabs.com
Fax (206) 634-1936

Project Name/Number: 2019-0936-C **Project Location:** "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Subcategory PLM Bulk
Item Code ASB-03 EPA 600/R-93-116 Asbestos by PLM (400 points) <bulk>

Total Number of Samples 5 **Rush Samples** _____

Lab ID	Sample ID	Description	A/R
1	19139357	2019-0936-C-1-10 Layer 1 Stop at first positive	A
2	19139358	2019-0936-C-1-11 Layer 1 ***	A
3	19139359	2019-0936-C-1-12 Layer 2 ***	A
4	19139360	2019-0936-C-1-13 Layer 1 ***	A
5	19139361	2019-0936-C-1-14 Layer 1 ***	A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	12/2/19	1530
Analyzed by	Matt Macfarlane		NVL	12/4/19	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions: Sample originally from batch 1924956

Date: 12/2/2019
 Time: 3:39 PM
 Entered By: Kelly AuVu

CHAIN of CUSTODY SAMPLE LOG

1925391

LABORATORY • MANAGEMENT • TRAINING

Client NVL Laboratories Inc
Street 4708 Aurora Ave N
 Seattle, WA 98103
Project Manager Syed Hasan
Project Location "Bellepark East" - 16241 NE 13th Pl,
 Bellevue, WA 98008

NVL Batch Number _____
Client Job Number 2019-0936-C
Total Samples 5
Turn Around Time 1 Hr 6 Hrs 3 Days 10 Days
 2 Hrs 1 Day 4 Days
 4 Hrs 2 Days 5 Days

*Please call for TAT less than 24 Hrs

Email address hughw@kcha.org

Phone: (206) 574-1230 **Fax:** (206) 357-2441 **Cell** (206) 979-0826

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/600/R-93/116)	<input checked="" type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		<input type="checkbox"/> Zinc (Zn)
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		2019-0936-C-1-10	LAYER 1 STOP @ 1ST POSITIVE BATCH# 19249	56
2		2019-0936-C-1-11	LAYER 1	
3		↓ C-1-12	LAYER 2	
4		↓ C-1-13	LAYER 1	
5		↓ C-1-14	LAYER 1	
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	RICO GONZALEZ	<i>[Signature]</i>	NVL	12.2.19	3:30
Relinquished by	RICO GONZALEZ	<i>[Signature]</i>	NVL	12.2.19	3:30
Received by	Kelly Fulw	<i>[Signature]</i>	NVL	12/2/19	15:30
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Results report to

December 4, 2019



Rico Gonzalez
NVL Field Services Division
4708 Aurora Ave. N.
Seattle, WA 98103

RE: Bulk Asbestos Fiber Concentration by Point Count
NVL Batch # 1925392

Client Project: 2019-0936-D
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Dear Mr. Gonzalez,

At your request, NVL Laboratories conducted analysis of your sample to determine the asbestos concentration using point count procedures.

The sample was analyzed for the presence of asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with U.S. EPA method 600/R-93/116.

Eight slides of thoroughly homogenized material are prepared for any given sample that requires point counting. In order to be counted as a point, the crosshairs of the microscope must center on either a fiber or a particle. The analyst counts at least 50 points per slide preparation. A minimum of 400 non-empty points are counted, then the number of counted asbestos fibers are divided by the total number of points counted to arrive at the percentage of asbestos in the sample.

Please see the conclusion section of the lab reports for point count results.

It has been a pleasure to be of service to you. Please feel free to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read "Matt Macfarlane".

Matt Macfarlane, Asbestos Lab Supervisor



Enc.: Sample Results

Lab Code: 102063-0

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516



PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division
 Address: 4708 Aurora Ave. N.
 Seattle, WA 98103
Attention: Mr. Rico Gonzalez
 Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Batch #: 1925392.00
 Client Project #: 2019-0936-D
 Date Received: 12/2/2019
 Samples Received: 9
 Samples Analyzed: 6
 Method: EPA/600R-93/116

Lab ID : 19139364 Client Sample #: 2019-0936-D-1-8 Layer 1

Sample Description: White compacted powdery material with layered paint, Layer 1 of 3.

Introduction: This sample was initially analyzed for Asbestos content using Polarized Light Microscopy (PLM). Asbestos fibers were observed and quantity was determined using calibrated visual area estimation. Asbestos content was originally found to be 2 % in Layer 1. Corresponding Lab ID 19136811

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	0	50	50
2	0	50	50
3	0	50	50
4	0	50	50
5	0	50	50
6	0	50	50
7	0	50	50
8	0	50	50
Total	0	400	400

Conclusion: This Sample Contains < 0.1 % ASBESTOS

Comments: Asbestos fibers observed in the field of view but not counted as points

Sampled by: Client

Analyzed by: Akane Yoshikawa

Date: 12/04/2019

Reviewed by: Matt Macfarlane

Date: 12/04/2019 Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.



PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.

Seattle, WA 98103

Attention: Mr. Rico Gonzalez

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Batch #: 1925392.00

Client Project #: 2019-0936-D

Date Received: 12/2/2019

Samples Received: 9

Samples Analyzed: 6

Method: EPA/600R-93/116

Lab ID : 19139365 Client Sample #: 2019-0936-D-1-9 Layer 1

Sample Description: White compacted powdery material with layered paint, Layer 1 of 3.

This sample was initially analyzed for Asbestos content using Polarized Light Microscopy (PLM).

Introduction: Asbestos fibers were observed and quantity was determined using calibrated visual area estimation. Asbestos content was originally found to be 2 % in Layer 1. Corresponding Lab ID 19136812

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	0	50	50
2	0	50	50
3	0	50	50
4	1	49	50
5	0	50	50
6	0	50	50
7	0	50	50
8	1	49	50
Total	2	398	400

Conclusion: This Sample Contains 0.5 % ASBESTOS

Sampled by: Client

Analyzed by: Akane Yoshikawa

Date: 12/04/2019

Reviewed by: Matt Macfarlane

Date: 12/04/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.



PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division
 Address: 4708 Aurora Ave. N.
 Seattle, WA 98103
Attention: Mr. Rico Gonzalez
 Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Batch #: 1925392.00
 Client Project #: 2019-0936-D
 Date Received: 12/2/2019
 Samples Received: 9
 Samples Analyzed: 6
 Method: EPA/600R-93/116

Lab ID : 19139366 Client Sample #: 2019-0936-D-1-9 Layer 2

Sample Description: White compacted powdery material with paper, Layer 2 of 3.

Introduction: This sample was initially analyzed for Asbestos content using Polarized Light Microscopy (PLM). Asbestos fibers were observed and quantity was determined using calibrated visual area estimation. Asbestos content was originally found to be 2 % in Layer 2. Corresponding Lab ID 19136812

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	0	50	50
2	0	50	50
3	0	50	50
4	0	50	50
5	0	50	50
6	0	50	50
7	0	50	50
8	0	50	50
Total	0	400	400

Conclusion: This Sample Contains < 0.1 % ASBESTOS

Comments: Asbestos fibers observed in the field of view but not counted as points

Sampled by: Client

Analyzed by: Akane Yoshikawa

Reviewed by: Matt Macfarlane

Date: 12/04/2019

Date: 12/04/2019


 Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.



PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division
 Address: 4708 Aurora Ave. N.
 Seattle, WA 98103
Attention: Mr. Rico Gonzalez
 Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Batch #: 1925392.00
 Client Project #: 2019-0936-D
 Date Received: 12/2/2019
 Samples Received: 9
 Samples Analyzed: 6
 Method: EPA/600R-93/116

Lab ID : 19139367 Client Sample #: 2019-0936-D-1-10 Layer 1

Sample Description: White compacted powdery material with layered paint, Layer 1 of 3.

This sample was initially analyzed for Asbestos content using Polarized Light Microscopy (PLM).

Introduction: Asbestos fibers were observed and quantity was determined using calibrated visual area estimation. Asbestos content was originally found to be 2 % in Layer 1. Corresponding Lab ID 19136813

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	0	50	50
2	0	50	50
3	0	50	50
4	1	49	50
5	1	49	50
6	0	50	50
7	0	50	50
8	1	49	50
Total	3	397	400

Conclusion: This Sample Contains 0.8 % ASBESTOS

Sampled by: Client

Analyzed by: Akane Yoshikawa

Reviewed by: Matt Macfarlane

Date: 12/04/2019

Date: 12/04/2019 Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.



PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division
 Address: 4708 Aurora Ave. N.
 Seattle, WA 98103
Attention: Mr. Rico Gonzalez
 Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Batch #: 1925392.00
 Client Project #: 2019-0936-D
 Date Received: 12/2/2019
 Samples Received: 9
 Samples Analyzed: 6
 Method: EPA/600R-93/116

Lab ID : 19139368 Client Sample #: 2019-0936-D-1-11 Layer 1

Sample Description: White compacted powdery material with layered paint, Layer 1 of 3.

Introduction: This sample was initially analyzed for Asbestos content using Polarized Light Microscopy (PLM). Asbestos fibers were observed and quantity was determined using calibrated visual area estimation. Asbestos content was originally found to be 2 % in Layer 1. Corresponding Lab ID 19136814

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	0	50	50
2	1	49	50
3	0	50	50
4	0	50	50
5	0	50	50
6	0	50	50
7	0	50	50
8	0	50	50
Total	1	399	400

Conclusion: This Sample Contains 0.3 % ASBESTOS

Sampled by: Client

Analyzed by: Akane Yoshikawa

Date: 12/04/2019

Reviewed by: Matt Macfarlane

Date: 12/04/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.



PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division
 Address: 4708 Aurora Ave. N.
 Seattle, WA 98103
Attention: Mr. Rico Gonzalez
 Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Batch #: 1925392.00
 Client Project #: 2019-0936-D
 Date Received: 12/2/2019
 Samples Received: 9
 Samples Analyzed: 6
 Method: EPA/600R-93/116

Lab ID : 19139369 Client Sample #: 2019-0936-D-1-12 Layer 1

Sample Description: White compacted powdery material with paper and paint, Layer 1 of 2.

Introduction: This sample was initially analyzed for Asbestos content using Polarized Light Microscopy (PLM). Asbestos fibers were observed and quantity was determined using calibrated visual area estimation. Asbestos content was originally found to be 2 % in Layer 1. Corresponding Lab ID 19136815

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	0	50	50
2	1	49	50
3	0	50	50
4	0	50	50
5	0	50	50
6	2	48	50
7	1	49	50
8	1	49	50
Total	5	395	400

Conclusion: This Sample Contains 1.3 % ASBESTOS

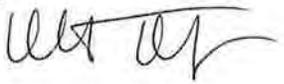
Sampled by: Client

Analyzed by: Akane Yoshikawa

Reviewed by: Matt Macfarlane

Date: 12/04/2019

Date: 12/04/2019


 Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

ASBESTOS LABORATORY SERVICES



Company NVL Field Services Division Address 4708 Aurora Ave. N. Seattle, WA 98103 Project Manager Mr. Rico Gonzalez Phone (206) 547-0100 Cell (206) 948-3422	NVL Batch Number 1925392.00 TAT 2 Days AH No Rush TAT Due Date 12/4/2019 Time 3:30 PM Email rico.g@nvlabs.com Fax (206) 634-1936
--	--

Project Name/Number: 2019-0936-D **Project Location:** "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Subcategory PLM Bulk
Item Code ASB-03 EPA 600/R-93-116 Asbestos by PLM (400 points) <bulk>

Total Number of Samples 9 **Rush Samples**

Lab ID	Sample ID	Description	A/R	
1	19139364	2019-0936-D-1-8 Layer 1	Stop at first positive	A
2	19139365	2019-0936-D-1-9 Layer 1	***	A
3	19139366	2019-0936-D-1-9 Layer 2	***	A
4	19139367	2019-0936-D-1-10 Layer 1	***	A
5	19139368	2019-0936-D-1-11 Layer 1	***	A
6	19139369	2019-0936-D-1-12 Layer 1	***	A
7	19139370	2019-0936-D-1-13 Layer 1	***	A
8	19139371	2019-0936-D-1-14 Layer 1	***	A
9	19139372	2019-0936-D-1-14 Layer 2	***	A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	12/2/19	1530
Analyzed by	Akane Yoshikawa		NVL	12/4/19	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions: Sample originally from batch 1924957

Date: 12/2/2019
 Time: 3:39 PM
 Entered By: Kelly AuVu

CHAIN of CUSTODY SAMPLE LOG

1925392

LABORATORY • MANAGEMENT • TRAINING

Client NVL Laboratories Inc
Street 4708 Aurora Ave N
 Seattle, WA 98103
Project Manager Syed Hasan
Project Location "Bellepark East" - 16241 NE 13th Pl,
 Bellevue, WA 98008

NVL Batch Number _____
Client Job Number 2019-0936-D
Total Samples 9
Turn Around Time | 1 Hr | 6 Hrs | 3 Days | 10 Days
 | 2 Hrs | 1 Day | 4 Days
 | 4 Hrs | 2 Days | 5 Days

Please call for TAT less than 24 Hrs

Email address hughw@kcha.org

Phone: (206) 574-1230 **Fax:** (206) 357-2441 **Cell** (206) 979-0826

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/600/R-93/116)	<input checked="" type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Soil	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Paint Chips in %	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Paint Chips in cr	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Nickel (Ni)
			<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Zinc (Zn)	
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		2019-0936-D-1-8	LAYER 1 STOP @ 1ST POSITIVE BATCH#1424959	
2		D-1-9	LAYER 1	
3		D-1-9	LAYER 2	
4		D-1-10	LAYER 1	
5		D-1-11	LAYER 1	
6		D-1-12	LAYER 1	
7		D-1-13	LAYER 1	
8		D-1-14	LAYER 1	
9		D-1-14	LAYER 2	
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	RICO GONZALEZ		NVL	12.2.19	3:30
Relinquished by	RICO GONZALEZ		NVL	12.2.19	3:30
Received by	Kelly Ann		NVL	12/2/19	15:20
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Results report to _____

December 4, 2019



Rico Gonzalez
NVL Field Services Division
4708 Aurora Ave. N.
Seattle, WA 98103

**RE: Bulk Asbestos Fiber Concentration by Point Count
NVL Batch # 1925393**

Client Project: 2019-0936-E
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Dear Mr. Gonzalez,

At your request, NVL Laboratories conducted analysis of your sample to determine the asbestos concentration using point count procedures.

The sample was analyzed for the presence of asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with U.S. EPA method 600/R-93/116.

Eight slides of thoroughly homogenized material are prepared for any given sample that requires point counting. In order to be counted as a point, the crosshairs of the microscope must center on either a fiber or a particle. The analyst counts at least 50 points per slide preparation. A minimum of 400 non-empty points are counted, then the number of counted asbestos fibers are divided by the total number of points counted to arrive at the percentage of asbestos in the sample.

Please see the conclusion section of the lab reports for point count results.

It has been a pleasure to be of service to you. Please feel free to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read "Matt Macfarlane".

Matt Macfarlane, Asbestos Lab Supervisor



Enc.: Sample Results

Lab Code: 102063-0

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516



PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division
 Address: 4708 Aurora Ave. N.
 Seattle, WA 98103
Attention: Mr. Rico Gonzalez
 Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Batch #: 1925393.00
 Client Project #: 2019-0936-E
 Date Received: 12/2/2019
 Samples Received: 11
 Samples Analyzed: 1
 Method: EPA/600R-93/116

Lab ID : 19139373 Client Sample #: 2019-0936-E-1-8 Layer 1

Sample Description: White compacted powdery material with paint. Layer 1 of 3.

Introduction: This sample was initially analyzed for Asbestos content using Polarized Light Microscopy (PLM). Asbestos fibers were observed and quantity was determined using calibrated visual area estimation. Asbestos content was originally found to be 2 % in Layer 1. Corresponding Lab ID 19136828

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	1	49	50
2	1	49	50
3	2	48	50
4	0	50	50
5	2	48	50
6	3	47	50
7	2	48	50
8	0	50	50
Total	11	389	400

Conclusion: This Sample Contains 2.8 % ASBESTOS

Sampled by: Client

Analyzed by: Tiffany Querry

Date: 12/04/2019

Reviewed by: Matt Macfarlane

Date: 12/04/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

ASBESTOS LABORATORY SERVICES



Company NVL Field Services Division	NVL Batch Number 1925393.00
Address 4708 Aurora Ave. N. Seattle, WA 98103	TAT 2 Days AH No.
Project Manager Mr. Rico Gonzalez	Rush TAT
Phone (206) 547-0100	Due Date 12/4/2019 Time 3:30 PM
Cell (206) 948-3422	Email rico.g@nvlabs.com
	Fax (206) 634-1936

Project Name/Number: 2019-0936-E	Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008
---	--

Subcategory PLM Bulk

Item Code ASB-03 EPA 600/R-93-116 Asbestos by PLM (400 points) <bulk>

Total Number of Samples 11 **Rush Samples**

Lab ID	Sample ID	Description	A/R	
1	19139373	2019-0936-E-1-8 Layer 1	Stop at first positive	A
2	19139374	2019-0936-E-1-8 Layer 2	***	A
3	19139375	2019-0936-E-1-9 Layer 1	***	A
4	19139376	2019-0936-E-1-10 Layer 1	***	A
5	19139377	2019-0936-E-1-11 Layer 1	***	A
6	19139378	2019-0936-E-1-11 Layer 2	***	A
7	19139379	2019-0936-E-1-12 Layer 1	***	A
8	19139380	2019-0936-E-1-13 Layer 1	***	A
9	19139381	2019-0936-E-1-13 Layer 2	***	A
10	19139382	2019-0936-E-1-14 Layer 1	***	A
11	19139383	2019-0936-E-1-14 Layer 2	***	A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	12/2/19	1530
Analyzed by	Tiffany Query		NVL	12/4/19	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Sample originally from batch 1924958

Instructions:

Date: 12/2/2019
 Time: 3:40 PM
 Entered By: Kelly AuVu

CHAIN of CUSTODY SAMPLE LOG

1925393

LABORATORY • MANAGEMENT • TRAINING

Client NVL Laboratories Inc
Street 4708 Aurora Ave N
 Seattle, WA 98103
Project Manager Syed Hasan
Project Location "Bellevue East" - 16241 NE 13th Pl,
 Bellevue, WA 98008

NVL Batch Number _____
Client Job Number 2019-0936 -E
Total Samples 11
Turn Around Time 1 Hr 6 Hrs 3 Days 10 Days
 2 Hrs 1 Day 4 Days
 4 Hrs 2 Days 5 Days

Please call for TAT less than 24 Hrs

Email address hughw@kcha.org

Phone: (206) 574-1230 **Fax:** (206) 357-2441

Cell (206) 979-0826

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/600/R-93/116)	<input checked="" type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix		RCRA Metals	<input type="checkbox"/> All 8
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Soil	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Paint Chips in %	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Paint Chips in cr	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		2019-0936-E-1-8	LAYER 1 STOP @ 1ST POSITIVE BATCH# 1924958	
2		E-1-8	LAYER 2	
3		E-1-9	LAYER 1	
4		E-1-10	LAYER 1	
5		E-1-11	LAYER 1	
6		E-1-11	LAYER 2	
7		E-1-12	LAYER 1	
8		E-1-13	LAYER 1	
9		E-1-13	LAYER 2	
10		E-1-14	LAYER 1	
11		E-1-14	LAYER 2	
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	RICO GONZALEZ	<i>[Signature]</i>	NVL	12.2.19	3:30
Relinquished by	RICO GONZALEZ	<i>[Signature]</i>	NVL	12.2.19	3:30
Received by	Kelly Allen	<i>[Signature]</i>	NVL	12/2/19	5:55 WA 1575
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Results report to

December 4, 2019



Rico Gonzalez
NVL Field Services Division
4708 Aurora Ave. N.
Seattle, WA 98103

**RE: Bulk Asbestos Fiber Concentration by Point Count
NVL Batch # 1925394**

Client Project: 2019-0936-FG
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Dear Mr. Gonzalez,

At your request, NVL Laboratories conducted analysis of your sample to determine the asbestos concentration using point count procedures.

The sample was analyzed for the presence of asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with U.S. EPA method 600/R-93/116.

Eight slides of thoroughly homogenized material are prepared for any given sample that requires point counting. In order to be counted as a point, the crosshairs of the microscope must center on either a fiber or a particle. The analyst counts at least 50 points per slide preparation. A minimum of 400 non-empty points are counted, then the number of counted asbestos fibers are divided by the total number of points counted to arrive at the percentage of asbestos in the sample.

Please see the conclusion section of the lab reports for point count results.

It has been a pleasure to be of service to you. Please feel free to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read "Matt Macfarlane".

Matt Macfarlane, Asbestos Lab Supervisor



Enc.: Sample Results

Lab Code: 102063-0

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516



PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: Mr. Rico Gonzalez

Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Batch #: 1925394.00

Client Project #: 2019-0936-FG

Date Received: 12/2/2019

Samples Received: 10

Samples Analyzed: 1

Method: EPA/600R-93/116

Lab ID : 19139384 Client Sample #: 2019-0936-FG-1-9 Layer 1

Sample Description: White compacted powdery material with paint, Layer 1 of 3.

This sample was initially analyzed for Asbestos content using Polarized Light Microscopy (PLM).

Introduction: Asbestos fibers were observed and quantity was determined using calibrated visual area estimation. Asbestos content was originally found to be 3 % in Layer 1. Corresponding Lab ID 19137586

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	1	49	50
2	0	50	50
3	2	48	50
4	0	50	50
5	1	49	50
6	0	50	50
7	1	49	50
8	1	49	50
Total	6	394	400

Conclusion: This Sample Contains 1.5 % ASBESTOS

Sampled by: Client

Analyzed by: Akane Yoshikawa

Reviewed by: Matt Macfarlane

Date: 12/04/2019

Date: 12/04/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

ASBESTOS LABORATORY SERVICES



Company NVL Field Services Division Address 4708 Aurora Ave. N. Seattle, WA 98103 Project Manager Mr. Rico Gonzalez Phone (206) 547-0100 Cell (206) 948-3422	NVL Batch Number 1925394.00 TAT 2 Days AH No Rush TAT Due Date 12/4/2019 Time 3:30 PM Email rico.g@nvlabs.com Fax (206) 634-1936
--	--

Project Name/Number: 2019-0936-FG **Project Location:** "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Subcategory PLM Bulk
Item Code ASB-03 EPA 600/R-93-116 Asbestos by PLM (400 points) <bulk>

Total Number of Samples 10 **Rush Samples**

Lab ID	Sample ID	Description	A/R
1	19139384	2019-0936-FG-1-9 Layer 1 Stop at first positive	A
2	19139385	2019-0936-FG-1-9 Layer 2 ***	A
3	19139386	2019-0936-FG-1-10 Layer 2 ***	A
4	19139387	2019-0936-FG-1-10 Layer 3 ***	A
5	19139388	2019-0936-FG-1-11 Layer 1 ***	A
6	19139389	2019-0936-FG-1-11 Layer 2 ***	A
7	19139390	2019-0936-FG-1-12 Layer 2 ***	A
8	19139391	2019-0936-FG-1-12 Layer 3 ***	A
9	19139392	2019-0936-FG-1-14 Layer 1 ***	A
10	19139393	2019-0936-FG-1-14 Layer 2 ***	A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	12/2/19	1530
Analyzed by	Akane Yoshikawa		NVL	12/4/19	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions: Sample originally from batch 1925063

Date: 12/2/2019
 Time: 3:41 PM
 Entered By: Kelly AuVu

CHAIN of CUSTODY SAMPLE LOG

1925394

Client NVL Laboratories Inc
 Street 4708 Aurora Ave N
 Seattle, WA 98103
 Project Manager Syed Hasan
 Project Location "Bellepark East" - 16241 NE 13th Pl,
 Bellevue, WA 98008

NVL Batch Number _____
 Client Job Number 2019-0936-FG
 Total Samples 10
 Turn Around Time 1 Hr 6 Hrs 3 Days 10 Days
 2 Hrs 1 Day 4 Days
 4 Hrs 2 Days 5 Days

Please call for TAT less than 24 Hrs

Email address hughw@kcha.org

Phone: (206) 574-1230 Fax: (206) 357-2441

Cell (206) 979-0826

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/600/R-93/116)	<input checked="" type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		<input type="checkbox"/> Zinc (Zn)
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		2019-0936-FG-1-9	LAYER 1	
2		FG-1-9	LAYER 2	
3		FG-1-10	LAYER 2	
4		FG-1-10	LAYER 3	
5		FG-1-11	LAYER 1	
6		FG-1-11	LAYER 2	
7		FG-1-12	LAYER 2	
8		FG-1-12	LAYER 3	
9		FG-1-14	LAYER 1	
10		FG-1-14	LAYER 2	
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	RILU GONZALEZ		NVL	12.2.19	3:30
Relinquished by	RILU GONZALEZ		NVL	12.2.19	3:30
Received by	Kelly Fuller		NVL	12/2/19	1530
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Results report to

December 4, 2019



Rico Gonzalez
NVL Field Services Division
4708 Aurora Ave. N.
Seattle, WA 98103

**RE: Bulk Asbestos Fiber Concentration by Point Count
NVL Batch # 1925395**

Client Project: 2019-0936-H
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Dear Mr. Gonzalez,

At your request, NVL Laboratories conducted analysis of your sample to determine the asbestos concentration using point count procedures.

The sample was analyzed for the presence of asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with U.S. EPA method 600/R-93/116.

Eight slides of thoroughly homogenized material are prepared for any given sample that requires point counting. In order to be counted as a point, the crosshairs of the microscope must center on either a fiber or a particle. The analyst counts at least 50 points per slide preparation. A minimum of 400 non-empty points are counted, then the number of counted asbestos fibers are divided by the total number of points counted to arrive at the percentage of asbestos in the sample.

Please see the conclusion section of the lab reports for point count results.

It has been a pleasure to be of service to you. Please feel free to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read "Matt Macfarlane".

Matt Macfarlane, Asbestos Lab Supervisor



Enc.: Sample Results

Lab Code: 102063-0

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516



PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division
 Address: 4708 Aurora Ave. N.
 Seattle, WA 98103
Attention: Mr. Rico Gonzalez
 Project Location: "Bellepark East" - 16241 NE 13th PI, Bellevue, WA 98008

Batch #: 1925395.00
 Client Project #: 2019-0936-H
 Date Received: 12/2/2019
 Samples Received: 14
 Samples Analyzed: 1
 Method: EPA/600R-93/116

Lab ID : 19139394 Client Sample #: 2019-0936-H-1-8 Layer 1

Sample Description: Off-white compacted powdery material with paint. Layer 1 of 3.

Introduction: This sample was initially analyzed for Asbestos content using Polarized Light Microscopy (PLM). Asbestos fibers were observed and quantity was determined using calibrated visual area estimation. Asbestos content was originally found to be 2 % in Layer 1. Corresponding Lab ID 19137602

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	2	48	50
2	3	47	50
3	0	50	50
4	2	48	50
5	2	48	50
6	0	50	50
7	1	49	50
8	0	50	50
Total	10	390	400

Conclusion: This Sample Contains 2.5 % ASBESTOS

Sampled by: Client

Analyzed by: Tiffany Querry

Reviewed by: Matt Macfarlane

Date: 12/04/2019

Date: 12/04/2019


 Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

ASBESTOS LABORATORY SERVICES



Company NVL Field Services Division Address 4708 Aurora Ave. N. Seattle, WA 98103 Project Manager Mr. Rico Gonzalez Phone (206) 547-0100 Cell (206) 948-3422	NVL Batch Number 1925395.00 TAT 2 Days AH No Rush TAT Due Date 12/4/2019 Time 3:30 PM Email rico.g@nvlabs.com Fax (206) 634-1936
--	--

Project Name/Number: 2019-0936-H **Project Location:** "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Subcategory PLM Bulk
Item Code ASB-03 EPA 600/R-93-116 Asbestos by PLM (400 points) <bulk>

Total Number of Samples 14 **Rush Samples** _____

Lab ID	Sample ID	Description	A/R	
1	19139394	2019-0936-H-1-8 Layer 1	Stop at first positive	A
2	19139395	2019-0936-H-1-8 Layer 2	***	A
3	19139396	2019-0936-H-1-9 Layer 1	***	A
4	19139397	2019-0936-H-1-9 Layer 2	***	A
5	19139398	2019-0936-H-1-10 Layer 1	***	A
6	19139399	2019-0936-H-1-10 Layer 2	***	A
7	19139400	2019-0936-H-1-11 Layer 1	***	A
8	19139401	2019-0936-H-1-11 Layer 2	***	A
9	19139402	2019-0936-H-1-12 Layer 1	***	A
10	19139403	2019-0936-H-1-12 Layer 2	***	A
11	19139404	2019-0936-H-1-13 Layer 1	***	A
12	19139405	2019-0936-H-1-13 Layer 2	***	A
13	19139406	2019-0936-H-1-14 Layer 1	***	A
14	19139407	2019-0936-H-1-14 Layer 2	***	A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	12/2/19	1530
Analyzed by	Tiffany Querry		NVL	12/4/19	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions: Sample originally from batch 1925064

Date: 12/2/2019
 Time: 3:41 PM
 Entered By: Kelly AuVu

1925395

CHAIN of CUSTODY SAMPLE LOG

INDUSTRIAL HYGIENE SERVICES
LABORATORY • MANAGEMENT • TRAINING

Client NVL Laboratories Inc
 Street 4708 Aurora Ave N
Seattle, WA 98103
 Project Manager Syed Hasan
 Project Location "Bellepark East" - 16241 NE 13th Pl,
Bellevue, WA 98008

NVL Batch Number _____
 Client Job Number 2019-0936 - H
 Total Samples 14
 Turn Around Time 1 Hr 6 Hrs 3 Days 10 Days
 2 Hrs 1 Day 4 Days
 4 Hrs 2 Days 5 Days

Please call for TAT less than 24 Hrs

Email address hughw@kcha.org

Phone: (206) 574-1230 Fax: (206) 357-2441

Cell (206) 979-0826

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/600/R-93/116)	<input checked="" type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		2019-0936-H-1-8	LAYER 1 STOP @ 1ST POSITIVE BATCH#1925064	
2		H-1-8	LAYER 2	
3		H-1-9	LAYER 1	
4		H-1-9	LAYER 2	
5		H-1-10	LAYER 1	
6		H-1-10	LAYER 2	
7		H-1-11	LAYER 1	
8		H-1-11	LAYER 2	
9		H-1-12	LAYER 1	
10		H-1-12	LAYER 2	
11		H-1-13	LAYER 1	
12		H-1-13	LAYER 2	
13		H-1-14	LAYER 1	
14		H-1-14	LAYER 2	
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	<u>RULO GONZALEZ</u>	<u>[Signature]</u>	<u>NVL</u>	<u>12-2-19</u>	<u>3:30</u>
Relinquished by	<u>RULO GONZALEZ</u>	<u>[Signature]</u>	<u>NVL</u>	<u>12-2-19</u>	<u>3:30</u>
Received by	<u>Kelly Allen</u>	<u>[Signature]</u>	<u>NVL</u>	<u>12/2/19</u>	<u>1530</u>
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
 Results report to _____

December 4, 2019



Rico Gonzalez
NVL Field Services Division
4708 Aurora Ave. N.
Seattle, WA 98103

**RE: Bulk Asbestos Fiber Concentration by Point Count
NVL Batch # 1925396**

Client Project: 2019-0936
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Dear Mr. Gonzalez,

At your request, NVL Laboratories conducted analysis of your sample to determine the asbestos concentration using point count procedures.

The sample was analyzed for the presence of asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with U.S. EPA method 600/R-93/116.

Eight slides of thoroughly homogenized material are prepared for any given sample that requires point counting. In order to be counted as a point, the crosshairs of the microscope must center on either a fiber or a particle. The analyst counts at least 50 points per slide preparation. A minimum of 400 non-empty points are counted, then the number of counted asbestos fibers are divided by the total number of points counted to arrive at the percentage of asbestos in the sample.

Please see the conclusion section of the lab reports for point count results.

It has been a pleasure to be of service to you. Please feel free to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read "Matt Macfarlane".

Matt Macfarlane, Asbestos Lab Supervisor



Enc.: Sample Results

Lab Code: 102063-0

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516



PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division
 Address: 4708 Aurora Ave. N.
 Seattle, WA 98103
Attention: Mr. Rico Gonzalez
 Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Batch #: 1925396.00
 Client Project #: 2019-0936
 Date Received: 12/2/2019
 Samples Received: 14
 Samples Analyzed: 1
 Method: EPA/600R-93/116

Lab ID : 19139408 Client Sample #: 2019-0936-I-1-8 Layer 1

Sample Description: White compacted powdery material with paint, Layer 1 of 3.

This sample was initially analyzed for Asbestos content using Polarized Light Microscopy (PLM).

Introduction: Asbestos fibers were observed and quantity was determined using calibrated visual area estimation. Asbestos content was originally found to be 3 % in Layer 1. Corresponding Lab ID 19137619

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	0	50	50
2	1	49	50
3	2	48	50
4	1	49	50
5	0	50	50
6	0	50	50
7	0	50	50
8	1	49	50
Total	5	395	400

Conclusion: This Sample Contains 1.3 % ASBESTOS

Sampled by: Client

Analyzed by: Akane Yoshikawa

Date: 12/04/2019

Reviewed by: Matt Macfarlane

Date: 12/04/2019 Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

ASBESTOS LABORATORY SERVICES



Company NVL Field Services Division	NVL Batch Number 1925396.00
Address 4708 Aurora Ave. N. Seattle, WA 98103	TAT 2 Days AH No
Project Manager Mr. Rico Gonzalez	Rush TAT
Phone (206) 547-0100	Due Date 12/4/2019 Time 3:30 PM
Cell (206) 948-3422	Email rico.g@nvlabs.com
	Fax (206) 634-1936

Project Name/Number: 2019-0936 **Project Location:** "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Subcategory PLM Bulk
Item Code ASB-03 EPA 600/R-93-116 Asbestos by PLM (400 points) <bulk>

Total Number of Samples 14 **Rush Samples**

Lab ID	Sample ID	Description	A/R	
1	19139408	2019-0936-I-1-8 Layer 1	Stop at first positive	A
2	19139409	2019-0936-I-1-8 Layer 2	***	A
3	19139410	2019-0936-I-1-9 Layer 1	***	A
4	19139411	2019-0936-I-1-9 Layer 2	***	A
5	19139412	2019-0936-I-1-10 Layer 1	***	A
6	19139413	2019-0936-I-1-10 Layer 2	***	A
7	19139414	2019-0936-I-1-11 Layer 2	***	A
8	19139415	2019-0936-I-1-11 Layer 3	***	A
9	19139416	2019-0936-I-1-12 Layer 1	***	A
10	19139417	2019-0936-I-1-12 Layer 2	***	A
11	19139418	2019-0936-I-1-13 Layer 1	***	A
12	19139419	2019-0936-I-1-13 Layer 2	***	A
13	19139420	2019-0936-I-1-14 Layer 1	***	A
14	19139421	2019-0936-I-1-14 Layer 2	***	A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	12/2/19	1530
Analyzed by	Akane Yoshikawa		NVL	12/4/19	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions: Sample originally from batch 1925065

Date: 12/2/2019
 Time: 3:41 PM
 Entered By: Kelly AuVu

1925396

CHAIN of CUSTODY SAMPLE LOG

INDUSTRIAL HYGIENE SERVICES
LABORATORY • MANAGEMENT • TRAINING

Client NVL Laboratories Inc
 Street 4708 Aurora Ave N
Seattle, WA 98103
 Project Manager Syed Hasan
 Project Location "Bellepark East" - 16241 NE 13th Pl,
Bellevue, WA 98008

NVL Batch Number _____
 Client Job Number 2019-0936
 Total Samples 14
 Turn Around Time 1 Hr 6 Hrs 3 Days 10 Days
 2 Hrs 1 Day 4 Days
 4 Hrs 2 Days 5 Days

Please call for TAT less than 24 Hrs

Email address hughw@kcha.org

Phone: (206) 574-1230 Fax: (206) 357-2441

Cell (206) 979-0826

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/600/R-93/116)	<input checked="" type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		<input type="checkbox"/> Zinc (Zn)
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		2019-0936-I-1-8	LAYER 1 STOP @ 1ST POSITIVE BATCH # 1925065.01	
2		I-1-8	LAYER 2	
3		I-1-9	LAYER 1	
4		I-1-9	LAYER 2	
5		I-1-10	LAYER 1	
6		I-1-10	LAYER 2	
7		I-1-11	LAYER 2	
8		I-1-11	LAYER 3	
9		I-1-12	LAYER 1	
10		I-1-12	LAYER 2	
11		I-1-13	LAYER 1	
12		I-1-13	LAYER 2	
13		I-1-14	LAYER 1	
14		I-1-14	LAYER 2	
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	RICO GONZALEZ	<i>[Signature]</i>	NVL	12-2-19	3:30
Relinquished by	RICO GONZALEZ	<i>[Signature]</i>	NVL	12-2-19	3:30
Received by	Kelly Puller	<i>[Signature]</i>	NVL	12/2/19	15:20
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
 Results report to _____

December 4, 2019



Rico Gonzalez
NVL Field Services Division
4708 Aurora Ave. N.
Seattle, WA 98103

**RE: Bulk Asbestos Fiber Concentration by Point Count
NVL Batch # 1925397**

Client Project: 2019-0936-J
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Dear Mr. Gonzalez,

At your request, NVL Laboratories conducted analysis of your sample to determine the asbestos concentration using point count procedures.

The sample was analyzed for the presence of asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with U.S. EPA method 600/R-93/116.

Eight slides of thoroughly homogenized material are prepared for any given sample that requires point counting. In order to be counted as a point, the crosshairs of the microscope must center on either a fiber or a particle. The analyst counts at least 50 points per slide preparation. A minimum of 400 non-empty points are counted, then the number of counted asbestos fibers are divided by the total number of points counted to arrive at the percentage of asbestos in the sample.

Please see the conclusion section of the lab reports for point count results.

It has been a pleasure to be of service to you. Please feel free to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read "Matt Macfarlane".

Matt Macfarlane, Asbestos Lab Supervisor



Enc.: Sample Results

Lab Code: 102063-0

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516



PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division
 Address: 4708 Aurora Ave. N.
 Seattle, WA 98103
Attention: Mr. Rico Gonzalez
 Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Batch #: 1925397.00
 Client Project #: 2019-0936-J
 Date Received: 12/2/2019
 Samples Received: 14
 Samples Analyzed: 1
 Method: EPA/600R-93/116

Lab ID : 19139422 Client Sample #: 2019-0936-J-1-8 Layer 1

Sample Description: White compacted powdery material with layered paint. Layer 1 of 3.

Introduction: This sample was initially analyzed for Asbestos content using Polarized Light Microscopy (PLM). Asbestos fibers were observed and quantity was determined using calibrated visual area estimation. Asbestos content was originally found to be 2 % in Layer 1. Corresponding Lab ID 19137653

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	3	47	50
2	2	48	50
3	1	49	50
4	2	48	50
5	2	48	50
6	2	48	50
7	3	47	50
8	1	49	50
Total	16	384	400

Conclusion: This Sample Contains 4.0 % ASBESTOS

Sampled by: Client

Analyzed by: Tiffany Query

Date: 12/04/2019

Reviewed by: Matt Macfarlane

Date: 12/04/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

ASBESTOS LABORATORY SERVICES



Company NVL Field Services Division Address 4708 Aurora Ave. N. Seattle, WA 98103 Project Manager Mr. Rico Gonzalez Phone (206) 547-0100 Cell (206) 948-3422	NVL Batch Number 1925397.00 TAT 2 Days AH No. Rush TAT Due Date 12/4/2019 Time 3:30 PM Email rico.g@nvlabs.com Fax (206) 634-1936
--	---

Project Name/Number: 2019-0936-J **Project Location:** "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Subcategory PLM Bulk
Item Code ASB-03 EPA 600/R-93-116 Asbestos by PLM (400 points) <bulk>

Total Number of Samples 14 **Rush Samples** _____

Lab ID	Sample ID	Description	A/R	
1	19139422	2019-0936-J-1-8 Layer 1	Stop at first positive	A
2	19139423	2019-0936-J-1-8 Layer 2	***	A
3	19139424	2019-0936-J-1-9 Layer 1	***	A
4	19139425	2019-0936-J-1-9 Layer 2	***	A
5	19139426	2019-0936-J-1-10 Layer 1	***	A
6	19139427	2019-0936-J-1-10 Layer 2	***	A
7	19139428	2019-0936-J-1-11 Layer 1	***	A
8	19139429	2019-0936-J-1-11 Layer 2	***	A
9	19139430	2019-0936-J-1-12 Layer 1	***	A
10	19139431	2019-0936-J-1-12 Layer 2	***	A
11	19139432	2019-0936-J-1-13 Layer 1	***	A
12	19139433	2019-0936-J-1-13 Layer 2	***	A
13	19139434	2019-0936-J-1-14 Layer 1	***	A
14	19139435	2019-0936-J-1-14 Layer 2	***	A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	12/2/19	1530
Analyzed by	Tiffany Querry		NVL	12/4/19	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions: Sample originally from batch 1925067

Date: 12/2/2019
 Time: 3:43 PM
 Entered By: Kelly AuVu

CHAIN of CUSTODY SAMPLE LOG

1925397

LABORATORY • MANAGEMENT • TRAINING

Client NVL Laboratories Inc
 Street 4708 Aurora Ave N
 Seattle, WA 98103
 Project Manager Syed Hasan
 Project Location "Bellepark East" - 16241 NE 13th Pl,
 Bellevue, WA 98008

NVL Batch Number _____
 Client Job Number 2019-0936 -J
 Total Samples 14
 Turn Around Time 1 Hr 2 Hrs 4 Hrs 6 Hrs 1 Day 2 Days 3 Days 4 Days 5 Days 10 Days

*Please call for TAT less than 24 Hrs

Email address huqhw@kcha.org
 Cell (206) 979-0826

Phone: (206) 574-1230 Fax: (206) 357-2441

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/600/R-93/116)	<input checked="" type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		<input type="checkbox"/> Zinc (Zn)
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		2019-0936-J-1-8	LAYER 1 STOP @ 1ST POSITIVE BATCH# 1925009	
2		J-1-8	LAYER 2	
3		J-1-9	LAYER 1	
4		J-1-9	LAYER 2	
5		J-1-10	LAYER 1	
6		J-1-10	LAYER 2	
7		J-1-11	LAYER 1	
8		J-1-11	LAYER 2	
9		J-1-12	LAYER 1	
10		J-1-12	LAYER 2	
11		J-1-13	LAYER 1	
12		J-1-13	LAYER 2	
13		J-1-14	LAYER 1	
14		J-1-14	LAYER 2	
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	RICO GONZALEZ		NVL	12.2.19	3:30
Relinquished by	RICO GONZALEZ		NVL	12.2.19	3:30
Received by	Kelly Miller		NVL	12/2/19	15:00
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
 Results report to _____

December 4, 2019



Rico Gonzalez
NVL Field Services Division
4708 Aurora Ave. N.
Seattle, WA 98103

**RE: Bulk Asbestos Fiber Concentration by Point Count
NVL Batch # 1925398**

Client Project: 2019-0936-K
Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Dear Mr. Gonzalez,

At your request, NVL Laboratories conducted analysis of your sample to determine the asbestos concentration using point count procedures.

The sample was analyzed for the presence of asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with U.S. EPA method 600/R-93/116.

Eight slides of thoroughly homogenized material are prepared for any given sample that requires point counting. In order to be counted as a point, the crosshairs of the microscope must center on either a fiber or a particle. The analyst counts at least 50 points per slide preparation. A minimum of 400 non-empty points are counted, then the number of counted asbestos fibers are divided by the total number of points counted to arrive at the percentage of asbestos in the sample.

Please see the conclusion section of the lab reports for point count results.

It has been a pleasure to be of service to you. Please feel free to call if there is anything further we can assist you with.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Ly". The signature is fluid and cursive.

Nick Ly, Technical Director



Enc.: Sample Results

Lab Code: 102063-0

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516

PLM Point Count Bulk Asbestos Fibers Analysis



Client: NVL Field Services Division
 Address: 4708 Aurora Ave. N.
 Seattle, WA 98103
Attention: Mr. Rico Gonzalez
 Project Location: "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Batch #: 1925398.00
 Client Project #: 2019-0936-K
 Date Received: 12/2/2019
 Samples Received: 11
 Samples Analyzed: 1
 Method: EPA/600R-93/116

Lab ID : 19139436 Client Sample #: 2019-0936-K-1-8 Layer 1

Sample Description: White/off-white compacted powdery material with paint, Layer 1 of 3

This sample was initially analyzed for Asbestos content using Polarized Light Microscopy (PLM).

Introduction: Asbestos fibers were observed and quantity was determined using calibrated visual area estimation. Asbestos content was originally found to be 2 % in Layer 1. Corresponding Lab ID 19137636

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	1	49	50
2	1	49	50
3	2	48	50
4	1	49	50
5	2	48	50
6	1	49	50
7	1	49	50
8	2	48	50
Total	11	389	400

Conclusion: This Sample Contains 2.8 % ASBESTOS

Sampled by: Client
Analyzed by: Matt Macfarlane
Reviewed by: Nick Ly

Date: 12/04/2019
Date: 12/04/2019

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

ASBESTOS LABORATORY SERVICES



Company NVL Field Services Division Address 4708 Aurora Ave. N. Seattle, WA 98103 Project Manager Mr. Rico Gonzalez Phone (206) 547-0100 Cell (206) 948-3422	NVL Batch Number 1925398.00 TAT 2 Days AH No Rush TAT Due Date 12/4/2019 Time 3:30 PM Email rico.g@nvlabs.com Fax (206) 634-1936
--	---

Project Name/Number: 2019-0936-K **Project Location:** "Bellepark East" - 16241 NE 13th Pl, Bellevue, WA 98008

Subcategory PLM Bulk

Item Code ASB-03 EPA 600/R-93-116 Asbestos by PLM (400 points) <bulk>

Total Number of Samples 11

Rush Samples

Lab ID	Sample ID	Description	A/R	
1	19139436	2019-0936-K-1-8 Layer 1	Stop at first positive	A
2	19139437	2019-0936-K-1-8 Layer 2	***	A
3	19139438	2019-0936-K-1-9 Layer 1	***	A
4	19139439	2019-0936-K-1-9 Layer 2	***	A
5	19139440	2019-0936-K-1-10 Layer 2	***	A
6	19139441	2019-0936-K-1-11 Layer 1	***	A
7	19139442	2019-0936-K-1-11 Layer 2	***	A
8	19139443	2019-0936-K-1-12 Layer 1	***	A
9	19139444	2019-0936-K-1-13 Layer 1	***	A
10	19139445	2019-0936-K-1-13 Layer 2	***	A
11	19139446	2019-0936-K-1-14 Layer 1	***	A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	12/2/19	1530
Analyzed by	Matt Macfarlane		NVL	12/4/19	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions: Sample originally from batch 1925066

Date: 12/2/2019
 Time: 3:43 PM
 Entered By: Kelly AuVu

CHAIN of CUSTODY SAMPLE LOG

1925398

LABORATORY • MANAGEMENT • TRAINING

Client NVL Laboratories Inc

NVL Batch Number

Street 4708 Aurora Ave N
Seattle, WA 98103

Client Job Number 2019-0936 -K

Total Samples 11

Project Manager Syed Hasan

Turn Around Time 1 Hr 6 Hrs 3 Days 10 Days
 2 Hrs 1 Day 4 Days
 4 Hrs 2 Days 5 Days

Project Location "Bellepark East" - 16241 NE 13th Pl,
Bellevue, WA 98008

Please call for TAT less than 24 Hrs

Email address hughw@kcha.org

Phone: (206) 574-1230 **Fax:** (206) 357-2441

Cell (206) 979-0826

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/600/R-93/116)	<input checked="" type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		<input type="checkbox"/> Zinc (Zn)
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package: Good Damaged (no spillage) Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		2019-0936-K-1-8	LAYER 1 STOP @ 1ST POSITIVE BATCH #1925066	
2		K-1-8	LAYER 2	
3		K-1-9	LAYER 1	
4		K-1-9	LAYER 2	
5		K-1-10	LAYER 2	
6		K-1-11	LAYER 1	
7		K-1-11	LAYER 2	
8		K-1-12	LAYER 1	
9		K-1-13	LAYER 1	
10		K-1-13	LAYER 2	
11		K-1-14	LAYER 1	
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	RIEY GONZALEZ	<i>[Signature]</i>	NVL	12.2.19	3:30
Relinquished by	RIEY GONZALEZ	<i>[Signature]</i>	NVL	12.2.19	3:30
Received by	<i>[Signature]</i>	<i>[Signature]</i>	NVL	12/2/19	15:20
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

Results report to