

PROJECT MANUAL

PROJECT NAME AND LOCATION:

**Cascadian Fire Alarm System
All 14 Buildings**

Contract Number: HW2201531

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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, removal of existing fire alarm control panel and all devices; provide a new fire alarm control panel and all devices as listed, 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: August 9, 2022 at 10:00 A.M.
Jobsite Address: Cascadian Apartments, 15517 NE 12th Street, Bellevue, WA 98007.
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: **August 25, 2022**
Address: King County Housing Authority
600 Andover Park West, Seattle, WA 98188
Submittal Process: * Bids may be sent to Michelle Jackson by 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:

Amount: Five (5%) Percent of the Total bid must accompany Each Bid
Payable to: King County Housing Authority

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 No bid shall be withdrawn for a period of 60 calendar days subsequent to the opening of the bids without the written consent of KCHA.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

**Fire Alarm System Upgrade
Cascadian Apartments**

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SECTION 01100 - SUMMARY

PART 1 - GENERAL

1.1 WORK COVERED BY CONTRACT DOCUMENTS

- A. Project Identification: Fire Alarm System Upgrades
- B. Project Location: Cascadian Apartments, 15517 NE 12th St. Bellevue, WA 98007
 - 1. All 14 Buildings: 197 Units plus 1 Office Unit.
 - a. 9 Buildings with 6 one bedroom units and 6 two bedroom units
 - b. 5 Buildings with 6 one bedroom units and 12 two bedroom units
- C. Work includes but is not limited to:
 - 1. Removal of existing fire alarm control panel and all devices.
 - 2. Provide a new fire alarm control panel and all devices as listed.

1.2 WORK SEQUENCE

- A. The Work shall be completed in 90 calendar days from the date of Notice to Proceed.
- 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 WORK RESTRICTIONS

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

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- b. 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.
- 2. 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.
- B. Occupancy Requirements
 - 1. Full Owner Occupancy: Owner and tenants will occupy site and existing building during entire construction period. Cooperate with Owner during construction operations to minimize conflicts and facilitate Owner and tenant usage. Perform the Work so as not to interfere with Owner's operations.

1.5 PERMITS

- A. Contractor is responsible for obtaining and paying for all permits and for the coordination of all required inspections.
- B. Prepare and file necessary plans, including floor plans, prepare documents and obtain necessary approvals of Authorities Having Jurisdiction (AHJ). Obtain required certificates of inspection for work and deliver to the Owner before request for acceptance and final payment for the work.

1.6 CONTRACT MODIFICATION PROCEDURES

- A. Owner-Initiated Proposal Requests: Owner 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:
 - 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.

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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 that 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.
- 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. Provide product data for each element of construction and type of product or equipment for approval by Authority having Jurisdiction (AHJ) and Owner.
- B. Subcontract list. Prepare written information that demonstrates capabilities and experience of firm or persons.
- C. Contractors project manager and/or supervisors. Prepare written information that demonstrates capabilities and experience of firm or persons.
 - 1. The Owner will review subcontractors and assigned staff and will accept or reject based on experience or qualifications.

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- D. 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. Barricades, Warning Signs and Lights: Comply with standards and code requirements for erection of structurally adequate barricades. Paint with appropriate colors, graphics and warning signs to inform personnel and the public of the hazard being protected against.
- C. Use of Owner's existing electric power service will be permitted, as long as equipment is maintained in a condition acceptable to Owner.
- D. Four parking spaces shall be available to the contractor for storage containers and parking. Do not park in marked tenant spaces.

1.11 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.
 - 3. Burning of CDL waste is not permitted.

1.12 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.

1.13 CUTTING AND PATCHING SUMMARY

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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.

1.14 DEMOLITION

- A. Hazardous Materials: An asbestos containing materials report and lead paint report will be available.
1. The property was constructed in 1986.
 2. If materials suspected of containing hazardous materials are encountered, do not disturb and immediately notify Owner.

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.
- B. Prior to final acceptance and final payment, Contractor shall submit a written warranty covering labor and materials for a period of one (1) year from final completion.

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PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01100

SECTION 28 05 13
CONDUCTORS AND CABLES FOR ELECTRONIC SAFETY AND SECURITY

PART 1 GENERAL

1.01 SUMMARY

- A. This Section includes:
 - 1. Control Wiring
 - 2. Communication and Signal Wiring
 - 3. Wire Lubricated Compound
 - 4. Electrical Metallic Tubing and Fittings
 - 5. Interior Conduit

1.02 RELATED SECTIONS

- A. Division 01, General Requirements
- B. Section 28 30 00 Fire Detection and Alarm

1.03 SUBMITTALS

- A. Submit the following:
 - 1. Manufacturer's Literature and Data: Showing each cable type and rating.
 - 2. Certificates: Two weeks prior to final inspection, deliver to the Owner four copies of the certification that the material is in accordance with the drawings and specifications and has been properly installed.
 - 3. Shop Drawings:
 - a. Size and location of panels and pull boxes.
 - b. Size and location of fire-rated penetration devices.
 - c. Layout of required conduit penetrations through structural elements.
 - d. Identify the specific item proposed and its area of application on the catalog cuts.

1.04 REFERENCES

- A. References listed below form a part of this specification to the extent referenced. Publications are referenced in the text by the basic designation only.
 - 1. ASTM: American Society of Testing Material
 - a. ASTM D2301-04 Standard Specification for Vinyl Chloride Plastic Pressure Sensitive Electrical Insulating Tape
 - 2. Federal Specifications
 - a. A-A-59544-00 Cable and Wire, Electrical (Power, Fixed Installation)
 - 3. NFPA: National Fire Protection Association
 - a. NEC 70-05 National Electrical Code
 - 4. UL: Underwriters Laboratories, Inc.
 - a. UL 44-02 Thermoset-Insulated Wires and Cables
 - b. UL 83-03 Thermoplastic-Insulated Wires and Cables
 - c. UL 467-01 Electrical Grounding and Bonding Equipment
 - d. UL 486A-01 Wire Connectors and Soldering Lugs for Use with Copper

Conductors

- e. UL 486C-02 Splicing Wire Connectors
- f. UL 486D-02 Insulated Wire Connector Systems for Underground Use or inDamp or Wet Locations
- g. UL 486E-00 Equipment Wiring Terminals for Use with Aluminum and/orCopper Conductors
- h. UL 493-01 Thermoplastic-Insulated Underground Feeder and BranchCircuit Cable
- i. UL 514B-02 Fittings for Cable and Conduit
- j. UL 1479-03 Fire Tests of Through-Penetration Fire Stops

PART 2 PRODUCTS

2.01 CONTROL WIRING

- A. Power and control wiring, except the minimum size not less than 14 AWG, unless otherwise specified in other sections of these specifications.
- B. Large enough the voltage drop under inrush conditions does not adversely affect operation ofthe controls.

2.02 COMMUNICATION AND SIGNAL WIRING

- A. Conform to the recommendations of the manufacturers of the communication and signalsystems; however, not less than what is shown.
- B. Wiring shown is for typical systems. Provide wiring as required for the systems beingfurnished.
- C. Multi-Conductor Cables: color-coded.

2.03 WIRE LUBRICATING COMPOUND

- A. Suitable for the wire insulation and conduit it is used with, and will not harden or becomeadhesive.
- B. Do not use on wire for isolated type electrical power systems.

2.04 ELECTRICAL METALLIC TUBING AND FITTINGS

- A. Type EMT: Electrogalvanized steel tubing.
- B. Fittings and Conduit Bodies:
 - 1. General: In-line straight-through steel or malleable iron fittings and Type C conduitbodies only; do not use bends or tees.
 - 2. Wet Areas: Steel compression-type couplings and nipples.
 - 3. Dry Areas: Set screw-type couplings and nipples.
 - 4. Bonding Locknuts: Malleable iron with set screws and lug screws.
 - a. Insulated Bushing: Malleable iron with integral insulated throat, rated for302 degrees F.
 - b. Bonding and Grounding Bushing: Malleable iron with integral insulated throat, ratedfor 302 degrees F, with solderless lugs or lug screws.

2.05 INTERIOR CONDUIT

- A. Flexible Metal Conduit:

1. Not permitted for interior application.
- B. Surface Raceways:
 1. Use with prior direction from Architect.
 2. Sheet metal channel with fitted cover, suitable for use as surface metal raceway.
 3. Install as reflected in the contract documents
 4. Provide fittings, elbows, and connectors designed for use with raceway system.
 5. Color: Ivory
- C. Junction And Pull Boxes:
 1. Interior Boxes: Fasten covers using security screws.
 - a. Sheet Metal Outlet Boxes:
 - 1) Sizes to be determined in accordance with code requirements for conductor fill.
 - 2) No box smaller than a single gang 1-1/2-inches deep.
 - 3) Provide box covers as required and fasten using security screws.

PART 3 EXECUTION

3.01 GENERAL INSTALLATION

- A. Splice cables and wires only in outlet boxes, junction boxes, or pull boxes.
- B. Seal cable and wire entering a building from underground, between the wire and conduit where the cable exits the conduit, with a non-hardening approved compound.
- C. Wire Pulling:
 1. Provide installation equipment that will prevent the cutting or abrasion of insulation during pulling of cables.
 2. Use ropes made of nonmetallic material for pulling feeders.
 3. Attach pulling lines for feeders by means of either woven basket grips or pulling eyes attached directly to the conductors, as approved by the Resident Engineer.
 4. Pull in multiple cables together in a single conduit.

3.02 CONTROL, COMMUNICATION AND SIGNAL WIRING INSTALLATION

- A. Install wiring and connect to equipment/devices to perform the required functions as shown and specified, unless otherwise specified in other Sections.
- B. Install a separate power supply circuit for each system so that malfunctions in the system will not affect other systems, except where otherwise required,
- C. Connect the systems to the nearest panelboards of suitable voltages, which are intended to supply such systems and have suitable spare circuit breakers or space for installation.
- D. Install a red warning indicator on the handle of the branch circuit breaker for the power supply circuit for each system to prevent accidental de-energizing of the systems.
- E. System Voltages: 120V or lower where shown on the drawings or as required by the NEC.

3.03 CONTROL, COMMUNICATION AND SIGNAL SYSTEM IDENTIFICATION

- A. Install a permanent wire marker on each wire at each termination.
- B. Identifying numbers and letters on the wire markers correspond to those on the wiring diagrams used for installing the systems.
- C. Wire markers retain their markings after cleaning.

END OF SECTION 28 05 13

**SECTION 28 30 00
FIRE DETECTION AND ALARM**

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. General: Furnish and install new fire alarm panels, NAC power modules, signal and notification devices as required for fire marshal and jurisdictional approvals.
 - 1. The provided drawings are schematic; Contractor responsibility to determine device counts and layout as required by the City of Bellevue Fire Marshal
- B. Permitting: submit, secure and final permits and jurisdictional approvals from
 - 1. City of Bellevue
- C. Fire Alarm system
 - 1. Basis of Design – Silent Knight with no substitutions
 - 2. Components: Silent Knight compatible signal and notification devices:
 - a. Strobe Synchronization
 - b. Remote Equipment
 - c. Detection Devices
 - d. Manual Pull Stations
 - e. Annunciation Devices
 - f. Addressable Accessories
 - g. Controlled Devices
 - h. Cable
 - i. Pictogram
- D. ***Fire Alarm system Monitoring***
 - 1. Prepay Owner approved monitoring company for one-year of fire alarm monitoring
 - 2. Respond to fire alarm system issues during first year of monitoring
 - 3. End user to assume contract and extend service after first year

1.02 RELATED SECTIONS

- A. Division 01, General Requirements
- B. Hazardous Materials Survey
- C. Section 28 05 13 Conductors and Cables for Electronic and Security

1.03 SUBMITTALS

- A. Shop drawings produced in AutoCAD with Fire Marshal's stamp of approval.
- B. Product data with wiring schematics.
- C. AutoCAD wiring diagrams of each type of device.
- D. AutoCAD riser diagram of the complete systems.
- E. Battery and voltage drop calculations based on intended routing and wiring.

- F. Prepare shop drawings of the system by the manufacturer in AutoCAD and submitted to the Fire Marshal for approval. The approved shop drawings will be utilized as the installation drawings. The shop drawings show actual conduit routing and conductors as to be installed. Update drawings to include revisions and changes to the system during construction and installation.

1.04 QUALITY ASSURANCE

- A. Approve and install equipment in accordance with NFPA, ADA and IBC requirements and UL listed both in individual components and as a system. ISO-9000 certified; UL and FM listed and meet NFPA 72.
- B. Furnish evidence that there is an experienced and efficient service organization which carries stock of repair parts for the system to be furnished and that the organization is capable of providing repair services within 24 hours of a trouble call.
- C. Install system by an electrical contractor experienced in the installation of addressable fire alarm systems and certified by the national institute for certification in engineering technologies (NICET) for fire alarm systems. Control equipment factory representative services be obtained to provide engineered system floor plans and point-to-point drawings on AutoCAD. Representative to supervise the installation, system start-up, programming, make final adjustments and provide testing of the completed system. The factory representative provides a letter of system certification to the Architect.

1.05 CONTRACTOR DESIGN

- A. Provide a complete fire alarm and communications system as needed to meet applicable codes and requirements under this section.
- B. Provide devices if needed to comply with the requirements of NFPA 72.
- C. Raceway, routing, and wiring for field devices are not shown on the drawings except for a few specific design requirements.
- D. Submit documents after design has been approved by Authority Having Jurisdiction (AHJ).
 - 1. The fire alarm system shall be designed by a NICET Fire Alarm Systems Level IV engineering technician.
 - 2. The designer is responsible for understanding the construction of the building to take in consideration ceiling heights, ceiling construction (flat or not flat), and other features of the building that will affect the layout of devices as required to provide a fire alarm system that is fully compliant with NFPA 72.
 - 3. If required by state regulations, a Professional Fire Protection Engineer shall seal drawings submitted to the AHJ.
- E. Noted that ceiling and wall finishes in occupied rooms contain asbestos; contractor responsibility to comply with all worker safety and disposal jurisdictional requirements.
- F. Field Quality Control:
 - 1. Manufacturer's field services: Provide service by a factory-authorized and

- certified service representative to supervise field assembly and connection of components and pre-testing, testing, and adjustment of system.
2. Pre-testing: Determine, through pre-testing, conformance of system to requirements of drawings and specifications. Correct deficiencies observed in pre-testing. Replace malfunctioning or damaged items with new and retest until satisfactory performance and conditions are achieved.
 - a. Inspect equipment installation, interconnection with system devices, mounting locations, and mounting methods.
 - b. Verify that units and controls are properly installed, connected, and labeled and that interconnecting wires and terminals are identified.
- G. Authority Having Jurisdiction (AHJ) review:
1. Concurrent or prior to submission to Engineer, submit shop drawing and product data to Authority Having Jurisdiction (AHJ).
 2. Upon receipt of comments from AHJ, make resubmissions, if required, to make clarifications or revisions to obtain approval.
 3. The AHJ shall witness final testing and inspection in order to obtain final approval for system
- H. Operate automatic fire detection systems in a local, supervised non-coded fashion. The system low voltage operating at 24V DC, fully addressable with analog technology for sensors. Signal circuits either class A or B without changing modules. Design system Class B. Load circuits to 75 percent capacity maximum.
- I. Signal, visual, and audible alarms, flow and tamper module circuits supervised for opens, shorts and grounds. Open, short or ground causes a trouble on the system, sound the audible trouble sounder and annunciate at the control and remote annunciator: the device, location, and nature of the trouble condition.

1.06 SYSTEM OPERATION

- A. Operation of manual or automatic initiating device cause an audible and visual alarm to sound, activate the control-by-event program and perform auxiliary functions.
- B. Annunciate fault in the circuits at the control panel and the remote annunciators.
- C. Utilize a single pair of wires to power, transmit, and receive data from the addressable analog initiating devices and to transmit commands to the remote-control points.
- D. Basic Performance:
 1. Signal Line Circuits (SLC) shall be wired Class B (NFPA Style 4).
 2. Notification Appliance Circuits (NAC) shall be wired Class B.
 3. Each SLC and NAC shall be limited to only 80 PCT of its total capacity at the time of initial installation.
 4. Fire alarm system and all associated equipment and devices shall be suited to the environment in which it is installed, e.g. in a hazardous areas all equipment shall be appropriately rated as explosion-proof, intrinsically safe, etc.

1.07 SEQUENCE OF OPERATION

- A. The system alarm operation subsequent to the alarm activation of manual station, automatic initiating device, or sprinkler flow/pressure switch is to be as follows:
 - 1. Audible alarm indicating appliances sound a digitized tone until silenced by the alarm silence switch at the control panel.
 - 2. Visual alarm indicating appliances (xenon strobes) display a continuous pattern until extinguished by the alarm silence switch.
 - 3. Doors normally held open by door control devices release. Signal door lock systems to unlock.
 - 4. A supervised signal to notify an approved central station to activate.
 - 5. Combination fire/smoke dampers de-energize to normally closed position.
- B. Alarm activation of elevator lobby, hoistway, or machine room smoke or heat detector in addition to the operations listed above, cause the elevator cab to be recalled according to the following sequence:
 - 1. If the alarmed detector is on another floor other than the preferred level of egress, recall elevator cab to the preferred level of egress.
 - 2. If the alarmed detector is on the main egress level, the elevator cabs recalled to the predetermined alternate recall level as determined by the local authority having jurisdiction.
 - 3. The activation of heat detector in an elevator hoistway or machine room automatically disconnect power to the elevator motor via base-mounted contacts activating the elevator feeder shunt-trip circuit breaker. Refer to drawings.
- C. Control panel has a dedicated supervisory service indicator and a dedicated supervisory service acknowledge switch.
- D. The activation of standpipe or sprinkler valve tamper switch activates the system supervisory service audible signal and illuminate the indicator at the control panel.
 - 1. Activating the supervisory service acknowledge switch will silence the supervisory audible signal while maintaining the supervisory serviced LED on indicating the tamper contact is still in the off-normal state.
 - 2. Restoring the valve to the normal position causes the supervisory service indicator to extinguish thus indicating restoration to normal position.
- E. The activation of sprinkler pre-action system pressure or low air switch activates the system supervisory service audible signal and illuminate the indicator at the control panel.
 - 1. Activating the supervisory service acknowledge switch will silence the supervisory audible signal while maintaining the supervisory service indicator on indicating the pressure/air contact is still in the off-normal state.
 - 2. Restoring the air pressure to the normal causes the supervisory service indicator to extinguish thus indicating restoration to normal position.
- F. Immediately display alarm and trouble conditions on the control panel front

alphanumeric display and of remote annunciators. If more alarms or troubles are in the system the operator may scroll to display new alarms.

- G. Alarm list key that will allow the operator to display alarms, troubles, and supervisory service conditions with the time of occurrence.
- H. In normal operation, fire alarm system close combination fire/smoke dampers when corresponding fan system is OFF. Fire alarm system open combination fire/smoke dampers when corresponding fan system is ON.

1.08 CONNECTION TO EXISTING NETWORK

- A. General: Communication between peer-to-peer fire alarm control panels via TCP/IP over existing Ethernet, RS-485, RS-232 or other previously established panel system communication protocol.
- B. Provide hardware, software and system integration to seamlessly integrate to the existing server for common system graphics, alarming, paging out of alarms via existing system.
- C. Provide upgrade to existing control monitoring to accept new alarm points.

1.09 Warranty

- A. Warrant all products supplied and installed to be free from defects in material and workmanship starting on the date and for the duration of the period for 12 months. Warranty calls for technicians are covered during normal working hours Monday through Friday. Labor for after hours and weekend call out will be charged at our preferred customer discount rate.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. FACP: Silent Knight; SK-6820; or as required to meet coverage requirements and outlined in Division 1.
 - 1. No exceptions allowed
- B. Non-system fire alarm devices
 - 1. Kiddie or Firex

2.02 GENERAL

- A. Furnish labor, materials, and equipment required for a complete and operating system of manual and automatic initiating devices, control panels, auxiliary relays, power supplies with batteries and accessories necessary to accomplish the desired sequence of events.
- B. Fully electronic and addressable systems as described below with monitoring and annunciation of system alarms and troubles.
- C. All detection and initiation devices compatible with specified manufacturer.

2.03 STROBE SYNCHRONIZATION

- A. Synchronize strobes to 1Hz flash to comply with the Americans with Disabilities Act (ADA).

2.04 REMOTE EQUIPMENT

- A. Annunciator Control Panels: Alphanumeric display module:
 - 1. 80 character LED/LCD display, back lighted.
 - 2. System acknowledge, signal silence, and system reset touchpad control switches.
 - 3. Time/date display.
 - 4. Integral sounder with subsequent alarm/trouble resound.
 - 5. Flush mounting.
- B. Transponders:
 - 1. Up to 26 field configurable circuits of any mix.
 - 2. Full LED/LCD display of alarm and trouble per point.
 - 3. Status displays and controls including power, on-line, local alarm and local troubleLED/LCD's plus reset and lamp test switches.
 - 4. Power supply, charger and battery as required for control panel.
- C. Lamp Driver Modules:
 - 1. Field selectable alarm and trouble or alarm only.
 - 2. Integral system trouble lamp on-line/power LED/LCD, alarm and trouble resound with flash function of new events, serial RS-485 interface to control panel, capable of being powered remotely or locally with supervision.
 - 3. Integral lamp test function.
- D. Power supplies, with integral chargers and batteries current limited low energy as recommended by the manufacturer but sized for 25 percent spare capacity.

2.05 DETECTION DEVICES

- A. Analog photoelectric smoke detectors provide for individual addressing of each detector. Sensor is constantly monitored to measure change in its sensitivity due to the environment caused by dirt, aging, temperature, humidity, etc.
- B. Give an advanced indication to the control panel of the need for maintenance and can be specific as to where the maintenance is needed. It is to be mounted on a two wire standard device base. Photoelectric detectors located within the elevator shaft rated for installation within a pressurized shaft.
- C. Duct smoke detector housing assemblies accommodate the mounting of an analog/addressable detector along with a standard, relay or isolator detector mounting base. Housing protects the measuring chamber from damage and insects. Utilize an air exhaust tube and an air sampling inlet tube that extends into the duct air stream up to twelve feet. Provide drilling templates and gaskets to facilitate locating and mounting the housing.
 - 1. Provide sampling tube length as required to accommodate air duct width.
 - 2. Provide remote status/alarm LED indicator and keyswitch test station for

- each ductsmoke detector.
3. Duct smoke detector air velocity range includes design air velocity of the ductwork inwhich the duct smoke detector is to be installed.
- D. Analog thermal detectors consist of a dual thermistor sensing circuit for fast response. Sensoris continually monitored to measure changes in their sensitivity due to temperature. Advancedindication to the control panel of the need for maintenance and can be specific as to where themaintenance is needed. Mount on a two wire standard device base. Equip thermal detectors in elevator shafts and machine rooms with a set of auxiliary contacts for elevator equipment use. Rate thermal detectors located within elevator shaft for installation within a pressurized shaft.
- E. Projected Beam Type Smoke Detectors:
1. 4-wire 24 VDC and powered from the control panel four-wire smoke power source.
 2. Consists of a separate transmitter and receiver capable of being powered separately ortogether.
 3. Operate in either a short range of 30-feet to 100-feet or a long range of 100-feet to 300-feet.
 4. Feature a bank of four alignment LEDs on both the receiver and transmitter that are usedto ensure proper alignment without the use of special tools.
 5. The beam detector features automatic gain control that compensate for gradual signaldeterioration from dirt accumulation on lenses. Ceiling or wall mount as shown on thedrawings. Carry out testing out using calibrated test filters. Provide a key activated remote test station.
 6. Provide monitor modules for alarm and trouble and control relay module for reset.
- F. Provide addressable monitor modules an address for a single, normally open initiating devicesuch as a waterflow switch, manual station, etc. UL approved to extend the sensor loop to lengths up to 2,500-feet.
- G. Non-System Smoke Detectors: direct wire, battery back-up.

2.06 MANUAL PULL STATIONS

- A. Single action, addressable, constructed of metal construction with a key reset switch forpositive authorized resetting action. The unit to be keyed the same as the control unit.

2.07 ANNUNCIATION DEVICES

- A. Horn and Combination Horn/Strobe:
1. Mount to a recessed box with an extension ring.
 2. Front of the unit allows for candela light levels as required by ADA for the spacing asinstalled.
 3. Horns provide a 100 dba peak sound output with field adjustable output level.
 4. Finish: Match existing finishes in the facility

- B. Strobe Lights:
 - 1. Triangular with FIRE on white plastic lens, polarized 24 VDC, mounting single gang on four square box.
 - 2. Front of the unit allows for candela light levels as required by ADA for the spacing as installed.
 - 3. Strobe candela level adjustable field from 15-110 CD.
 - 4. Mount at 80-inches or as shown on drawings.
 - 5. Finish: Match existing finishes in the facility
- C. The candela rating of each strobe installed apparent to the Fire Marshal and to qualified service personnel either as installed or with the removal of the faceplate. If faceplates are interchangeable between strobes of different ratings the indication of candela rating not on the faceplate.

2.08 ELECTROMAGNETIC DOOR HOLDERS

- A. Equipment consists of an armature contact plate with adjustable pivot mount, install on door. Mount behind the door on the wall or floor a heavy-duty electromagnet, in a durable enclosure.
- B. Fail-Safe operation, loss of power releases the door holder for the door to close.
- C. Unit accepts 12VDC, 24VAC/VDC or 120VAC. Coordinate voltage by the fire alarm system installer/supplier. Circuitry required for the systems operation provided by the system installer.
- D. Door holder equipment of the same manufacturer as the fire alarm system to ensure system compatibility and proper UL compatibility listings.

2.09 ADDRESSABLE ACCESSORIES

- A. Control Modules:
 - 1. Connects to the same loop as the initiating devices and provides a form C relay contact.
 - 2. Program module to transfer from either a trouble or alarm input from any or combination of any addressable device.

2.10 CONTROLLED DEVICES

- A. Mechanical control system for control of air handlers and smoke/fire rated dampers.
- B. Fire protection tamper, flow, dry system and pre-action system.

2.11 CABLE

- A. Plenum rated as recommended by System Manufacturer and the building construction methods.

2.12 PICTOGRAM

- A. Mounted and Glass-framed graphics card showing a one-line of the fire alarm system showing all fire alarm devices and connectivity to the FACP

PART 3 - EXECUTION

3.01 INSTALLATION

- A. General:
 - 1. Install in accordance with code, UFC, UBC, NFPA 72, 101 and the manufacturer's instructions.
 - 2. Review proper installation of each type of device with manufacturer's agent.
 - 3. Install wiring, raceway and outlet boxes required for a complete system as indicated in the Contract Documents.
 - 4. Comply with applicable requirements of Section 28 05 13, Raceways and Boxes for Electrical Systems, for boxes and surface mounted raceways.
- B. Typical Wiring:
 - 1. Install manufacturer's recommended listed cable to connect devices as recommended by the manufacturer.
 - 2. Run cable in conduit where exposed to physical damage.
- C. Detectors:
 - 1. Locate 48-inches clear of supply air vents and 12-inches clear of lights and sprinkler heads.
 - 2. Install detector heads not more than two weeks prior to substantial completion. Verify the design locations shown conform to the actual construction.
 - 3. Do not locate detectors in close proximity to air supply vents.
 - 4. Bring cases of uncertain applicability to the attention of the Architect for resolution prior to roughing in.
- D. Duct Smoke Detectors
 - 1. Provide/maintain working access to duct smoke detectors.
 - 2. Locate duct smoke detectors in accordance with code requirements. Locations must ensure adequate airflow within the duct housing.
 - 3. Locate remote status/alarm LED indicator and keyswitch test station at readily accessible location out of general view directly below duct smoke detector location. Identify locations on fire alarm shop drawings prior to installation.
- E. Provide auxiliary power supplies as required and extend the 120V power to the power supplies as required and per NEC.
- F. Provide visual devices and alarm devices as required. Device locations are diagrammatic showing intent of area coverage. The exact placement, sound or light level is to be per the requirements and the listing of the manufacturer's equipment.
- G. Raceways and Boxes
 - 1. Install all wiring in raceways and all devices in boxes:
 - 2. In unfinished areas, exposed fire alarm conduit shall be red in color.
 - 3. All boxes are to be red in color (either painted or a manufacturer's red box).
- H. Install all components as indicated and in accordance with manufacturer's wiring diagrams, instructions, and recommendations.

- I. Make all fire alarm wiring continuous from terminal to terminal or from terminal to device pigtail lead.
 1. Circuit splices not permitted.
 2. Wiring joints, only when required at device pigtail leads shall utilize insulated conical spring connector.
- J. Color coding or other identification is required for all fire alarm wiring.

3.02 LABELING

- A. Label fire alarm control and NAC panels with 1/2-inch by 1-inch phenolic nameplates, indicating control panel point designation. Locate nameplates in the vicinity of the device as approved by the Owner.
- B. Provide Brady type wire markers to identify conductors at each junction or terminal. Use numbers indicated on the wiring diagrams.

3.03 TESTS

- A. Provide the service of a competent, factory-trained technician authorized by the manufacturer of the fire alarm equipment to technically supervise and participate during the programming, final connections, adjustments and tests for the system.
- B. When the system is complete and prior to the substantial completion, furnish testing equipment and perform the following tests:
- C. Before energizing system, check for correct wiring connections and test for short circuits, ground faults, continuity, and insulation.
- D. Test the insulation on installed wiring by standard methods as recommended by the equipment manufacturer.
- E. Open supervised circuits to see if the trouble signal activates.
- F. Ground supervised circuits and verify response of trouble signals.
- G. Check installation, supervision, operation, and sensitivity of smoke detectors as recommended by the manufacturer to ascertain that they will avoid false alarm signals yet provide the required automatic detection.
- H. Test each device for proper operation and auxiliary function.
- I. Submit a printout of the entire test procedure to the engineer with the letter of certification for the completed fire alarm system.
- J. When defects in the work are detected, make repairs and repeat the tests as required.
- K. Test system for NFPA standby and alarm runtime for the actual load on the system batteries and recharge time of system batteries.
- L. Perform required and necessary verification of the system operating functions with the Architect and Owner's facility staff prior to turnover of the complete system for final test observed by the Fire Department. Perform tests in the presence of the Owner or the Owner's Representative. A System Certification verifying the proper system operation is required prior to acceptance. Instruct Owner's personnel in system operation, maintenance and programming for a minimum of 20 hours. The cost of retesting as a result of the failure of the

system to operate in accordance with these specifications, drawings, or applicable codes paid for by the contractor to the Owner

3.04 EXTRA STOCK/SPARE PARTS

- A. Provide the following equipment to be turned over to the owner with the operation and maintenance manuals.
 - 1. Four photoelectric smoke detector heads
 - 2. Four thermal heat detector heads
 - 3. Four addressable dry contact modules
 - 4. Two horns
 - 5. Four horns/strobes
 - 6. Two manual pull stations
 - 7. One complete set of fuses to match panel counts

3.05 TRAINING

- A. Provide operation and maintenance training for Owner's personnel.
- B. Conduct a minimum of one maintenance training sessions upon completion of the work. Maintenance training sessions include a walk-thru of the completed facilities identifying the location, address, and means of access to every device monitored by the fire alarm system.
- C. Training sessions with fully qualified, trained representative, of the equipment manufacturer who is thoroughly knowledgeable of the specific installation.

END OF SECTION 28 30 00

SECTION 06 20 00 - FINISH CARPENTRY**PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Finish carpentry items.
- B. Wood cove & ceiling trim wire raceways.

1.02 RELATED REQUIREMENTS

- A. Section 28 05 13.
- B. Section 28 30 00

1.03 REFERENCE STANDARDS

- A. ANSI A208.1 - American National Standard for Particleboard; 2009.
- B. AWI (QCP) - Quality Certification Program; current edition at www.awiqcp.org.
- C. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards; 2014.
- D. AWMAC/WI (NAAWS) - North American Architectural Woodwork Standards, U.S. Version 3.0; 2016.
- E. AWPA U1 - Use Category System: User Specification for Treated Wood; 2012.
- F. HPVA HP-1 - American National Standard for Hardwood and Decorative Plywood; 2009.
- G. WDMA I.S. 4 - Industry Specification for Preservative Treatment for Millwork; 2013.

1.04 SUBMITTALS

- A. See Division 1 Project Administration for submittal procedures and requirements. Refer to BID PACKAGE for these GENERAL REQUIREMENTS.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Protect work from moisture damage.

PART 2 PRODUCTS**2.01 FINISH CARPENTRY ITEMS**

- A. Quality Standard: Premium Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.
- B. Interior Woodwork Items:
 - 1. Moldings: Ceiling Cove, Wire chase trim, pre-painted.

2.02 WOOD-BASED COMPONENTS

- A. Wood fabricated from old growth timber is not permitted.

2.03 LUMBER MATERIALS

- A. Softwood Lumber: face species, plain sawn, maximum moisture content of 6 percent; with vertical grain.
- B. Hardwood Lumber: face species, plain sawn, maximum moisture content of 6 percent .

2.04 FASTENINGS

- A. Adhesive for Purposes Other Than Laminate Installation: Suitable for the purpose; not containing formaldehyde or other volatile organic compounds.
- B. Brad Nails/Finish Screws, holes filled and paint touch up.

2.05 ACCESSORIES

- A. Lumber for Shimming and Blocking: Softwood lumber of Doug Fir species.
- B. Wood Filler: Solvent base, tinted to match surface finish color.

2.06 FABRICATION

- A. Shop assemble work for delivery to site, permitting passage through building openings.

- B. When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide trim for scribing and site cutting.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify adequacy of backing and support framing.

3.02 INSTALLATION

- A. Install work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade indicated.
- B. Set and secure materials and components in place, plumb and level.
- C. Carefully scribe work abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim to conceal larger gaps.

3.03 TOLERANCES

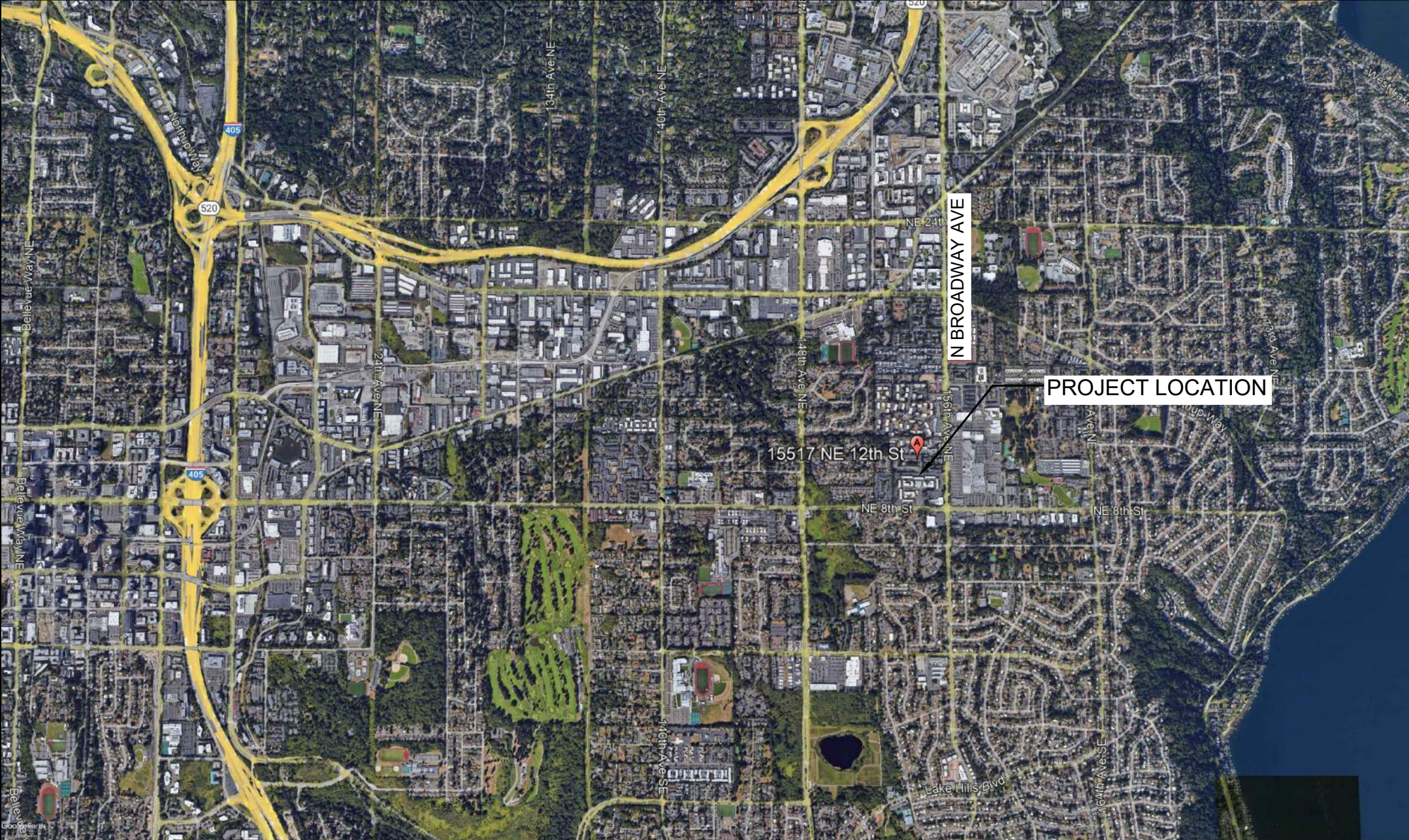
- A. Maximum Variation from True Position: 1/16 inch.
- B. Maximum Offset from True Alignment with Abutting Materials: 1/32 inch.

END OF SECTION

KING COUNTY HOUSING AUTHORITY CASCADIAN APARTMENTS FIRE ALARM UPGRADES

ADDRESS: 15517 NE 12TH ST, BELLEVUE, WA 98007

VICINITY MAP



PROJECT DIRECTORY

OWNER
KING COUNTY HOUSING AUTHORITY
DARRELL WESTLAKE

600 ANDOVER PARK W
SEATTLE, WA 98134
TEL: 206-693-6415
EMAIL: DARRELLW@KCHA.ORG

JURISDICTION
CITY OF BELLEVUE

ARCHITECT
OSBORN ARCHITECTS, INC
JERRY OSBORN, AIA

1011 SW KLUCKITAT WAY, SUITE 208
SEATTLE, WA 98134
TEL: 206-920-6348
EMAIL: JOSBORN@OAI.PS.COM

DRAWING LIST

- T1.0 TITLE SHEET
- T1.1 SITE PLAN
- T1.2 KEY PLAN
- P1.1 PHOTO REFERENCE SHEET
- P1.2 PHOTO REFERENCE SHEET
- FA1.1 TYP. FIRE ALARM DEVICE LAYOUT PLAN
- FA1.2 TYP. FIRE ALARM DEVICE LAYOUT PLAN

CASCADIAN APARTMENTS



GENERAL NOTES

1. DRAWINGS LISTED AS N.T.S. (INDICATES "NOT TO SCALE") SHOULD NOT BE SCALED. THE LISTED DIMENSIONS SHALL GOVERN UNLESS NOTED OTHERWISE.
2. THE CONTRACTOR SHALL COORDINATE ALL PORTIONS OF WORK DESCRIBED IN THE CONTRACT DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR SHALL VERIFY AND CONFIRM ALL DIMENSIONS AND CONDITIONS SHOWN OR IMPLIED ON THE DRAWINGS AND SPECIFICATIONS AS WELL AS THE EXISTING WORK AND PHYSICAL CONDITIONS OF THE SITE. IN THE EVENT OF DISCREPANCIES BETWEEN THE DRAWINGS AND SPECIFICATIONS IN THE PACKAGE, PLEASE NOTIFY ARCHITECT IMMEDIATELY.
3. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL REQUIRED SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES OR PROCEDURES REQUIRED TO PERFORM THE WORK.
4. CONTRACTOR SHALL PROTECT ALL EXISTING ITEMS AND FACILITIES TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL REPAIR AND/OR REPLACE AT CONTRACTORS EXPENSE ANY EXISTING ITEMS AND FACILITIES TO REMAIN THAT ARE DAMAGED BY CONTRACTORS OPERATIONS TO THE SATISFACTION OF THE OWNER.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING APPROPRIATE JURISDICTIONS FOR REQUIRED INSPECTIONS AND SHALL PAY ALL FEES ASSOCIATED WITH THE WORK.
6. THE CONTRACTOR SHALL CLEAN-UP DEBRIS AND HALL AWAY AND PROPERLY DISPOSE OF ALL DEBRIS ON A CONTINUOUS BASIS.
7. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF DAMAGE TO THE WORK OF OTHER TRADES CAUSED BY HIS OPERATIONS. THE NATURE OF SUCH REPAIR WORK MUST RECEIVE THE PRIOR APPROVAL OF THE APPROPRIATE CONTRACTORS REPRESENTATIVE.
8. UNLESS STATED OTHERWISE IN THE SPECIFICATIONS, ALL PROCEDURES, TESTING, MATERIALS AND EQUIPMENT SHOWN ON THE PLANS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
9. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A SET OF PRINTS OF THE FINAL CONSTRUCTION DOCUMENTS. ALL "AS-BUILT" MODIFICATIONS, INCLUDING MODIFICATIONS TO THE WORK OF ALL SUB-CONTRACTORS, SHOULD BE CLEARLY NOTED ON THESE PLANS.
10. OVERLAPPING CONFLICTING REQUIREMENTS: MOST STRINGENT (GENERALLY MOST COSTLY) APPLIES AND WILL BE ENFORCED, UNLESS MORE DETAILS LANGUAGE WRITTEN DIRECTLY INTO CONTRACT DOCUMENTS CLEARLY INDICATED THAT A LESS STRINGENT REQUIREMENT IS ACCEPTABLE. REFER UNCERTAINTIES TO ARCHITECT FOR DECISION BEFORE PROCEEDING.
11. WHERE OPTIONAL REQUIREMENTS ARE SPECIFIED IN A PARALLEL MANNER, OPTIONS ARE INTENDED TO BE CONTRACTORS UNLESS OTHERWISE NOTED.

SCOPE OF WORK

1. REPLACE ALL EXISTING FIRE ALARM DEVICES WITH NEW.
2. FURNISH AND INSTALL NEW FIRE ALARM DEVICES.
3. REPLACE FIRE ALARM PANELS AND REPLACE/ADD NAC POWER MODULES AS REQUIRED.
4. FIRE ALARM RISER DESIGNED BY FIRE ALARM VENDOR.
5. PERMITTING AND JURISDICTION APPROVALS BY FIRE ALARM VENDOR.
6. FURNISH AND INSTALL AES OR TELEGUARD AND CONNECT TO MONITORING COMPANY. COORDINATE W/ MONITORING COMPANY.
7. SUBMIT FIRE ALARM AS BUILTS AND PROJECT MANUAL AT PROJECT COMPLETION.
8. WARRANT PARTS AND INSTALL FOR 1 YEAR FROM DATE OF SUBSTANTIAL COMPLETION.
9. FURNISH AND INSTALL FIRE ALARM SYSTEM "PICTOGRAM".
10. WORK INCLUDES ONE YEAR OF MONITORING.

REGULATED MATERIALS

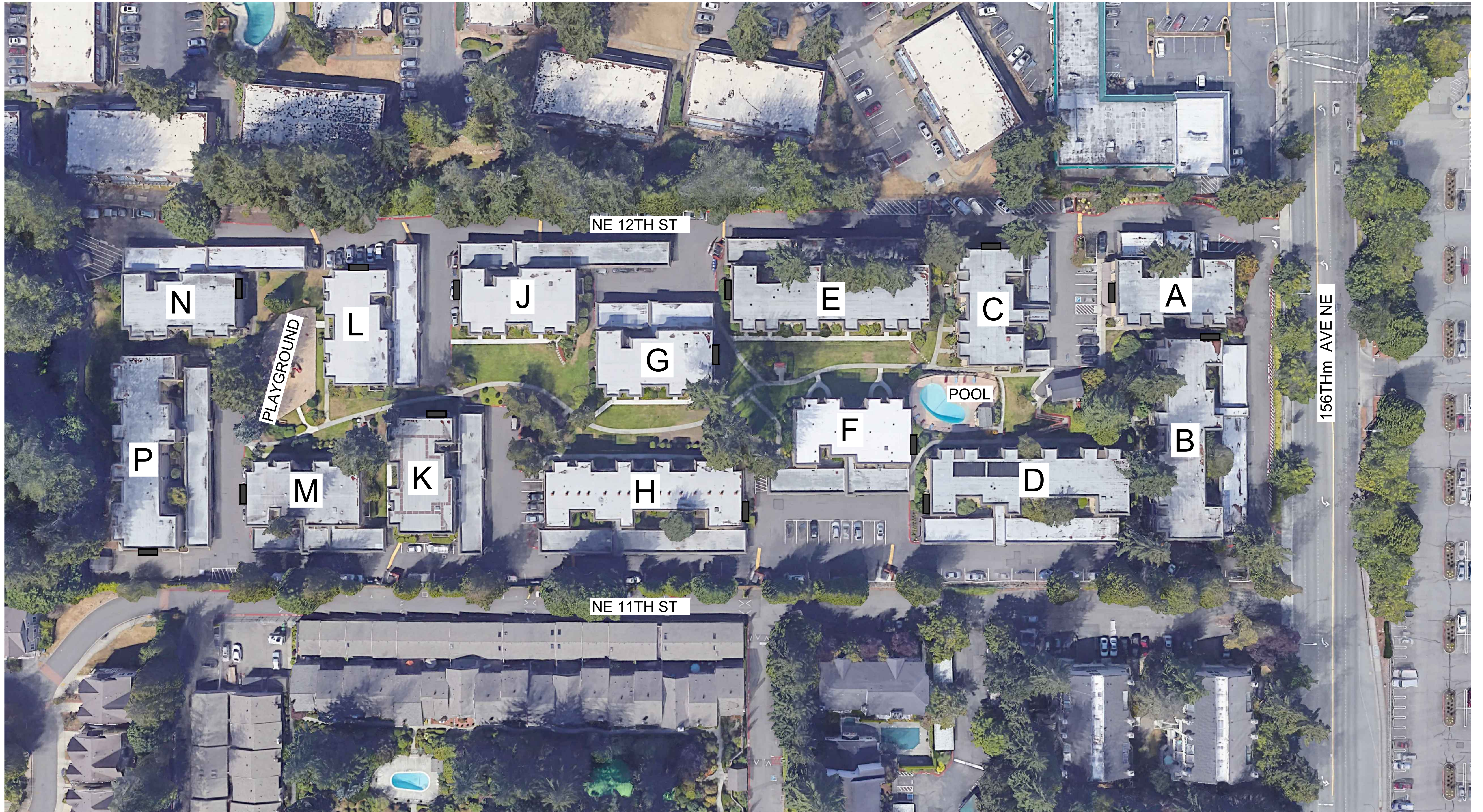
H1. ALL EXISTING WALL AND CEILING TEXTURE CONTAINS ASBESTOS GREATER THAN 1%. MINIMIZE DISTURBANCE AND FOLLOW ALL LOCAL, STATE AND FEDERAL REQUIREMENTS. USE PRE-FINISHED SURFACE-MOUNTED CABLE RACEWAY SYSTEMS.



CASCADIAN APARTMENTS FIRE ALARM UPGRADES
KING COUNTY HOUSING AUTHORITY
15517 NE 12TH ST,
BELLEVUE, WA 98007

DRAWN BY: MD	REVIEWED BY: JDO
PROJECT STATUS:	
ISSUE DATE:	
SHEET SIZE: ARCH D (24" x 36")	
DRAWING SCALE:	

SHEET NO. / TITLE:
**T1.0
TITLE SHEET**
PROJECT NUMBER: KHCA2202



1 CASCADIAN APARTMENTS SITE PLAN
SCALE: 1" = 40'-0"



LEGEND:
 PROPOSED EXTERIOR HORN STROBE ASSEMBLY. VERIFY LOCATION W. FIRE MARSHAL. ONE DEVICE PER BUILDING.

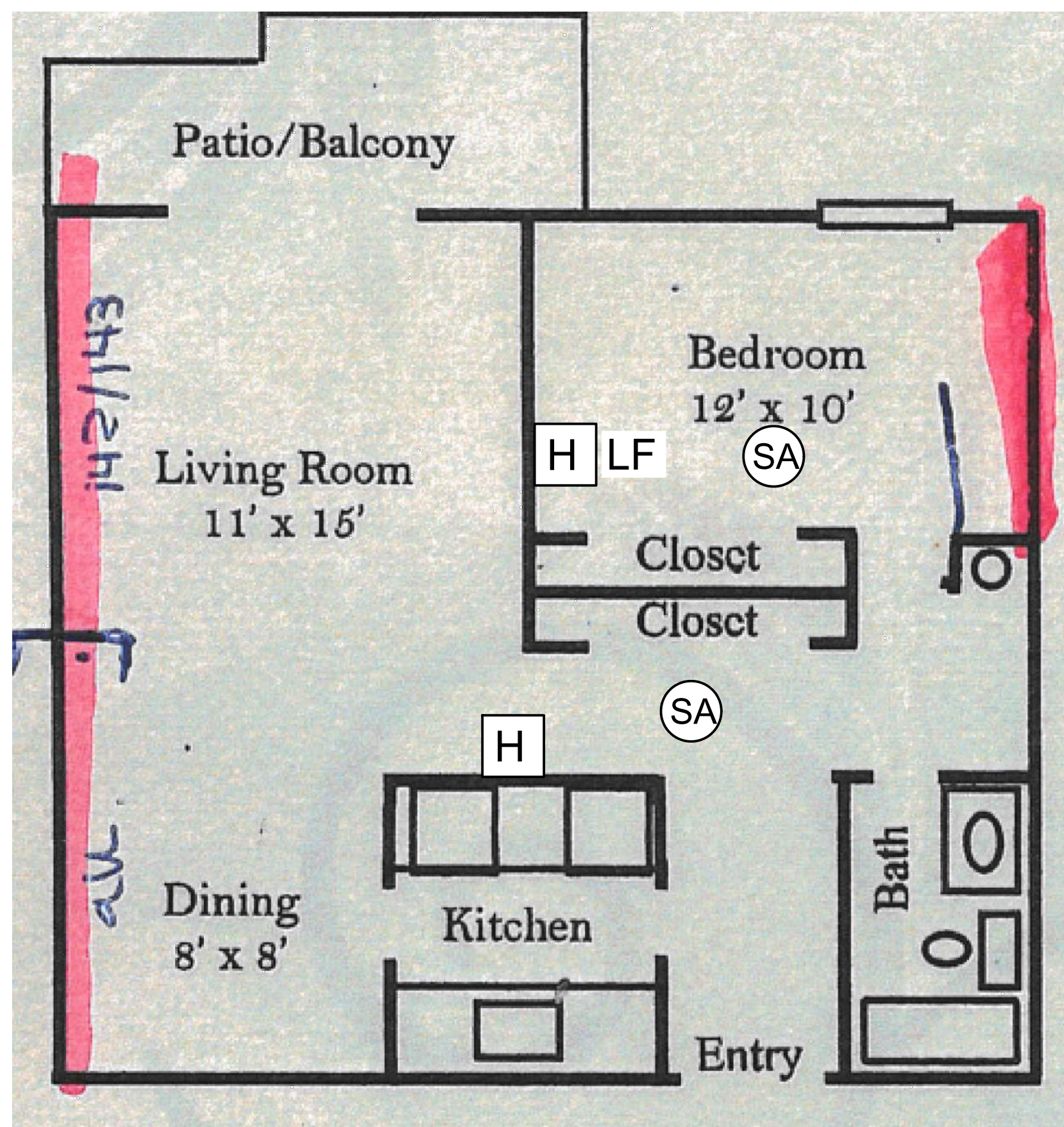


CASCADIAN APARTMENTS FIRE ALARM UPGRADES

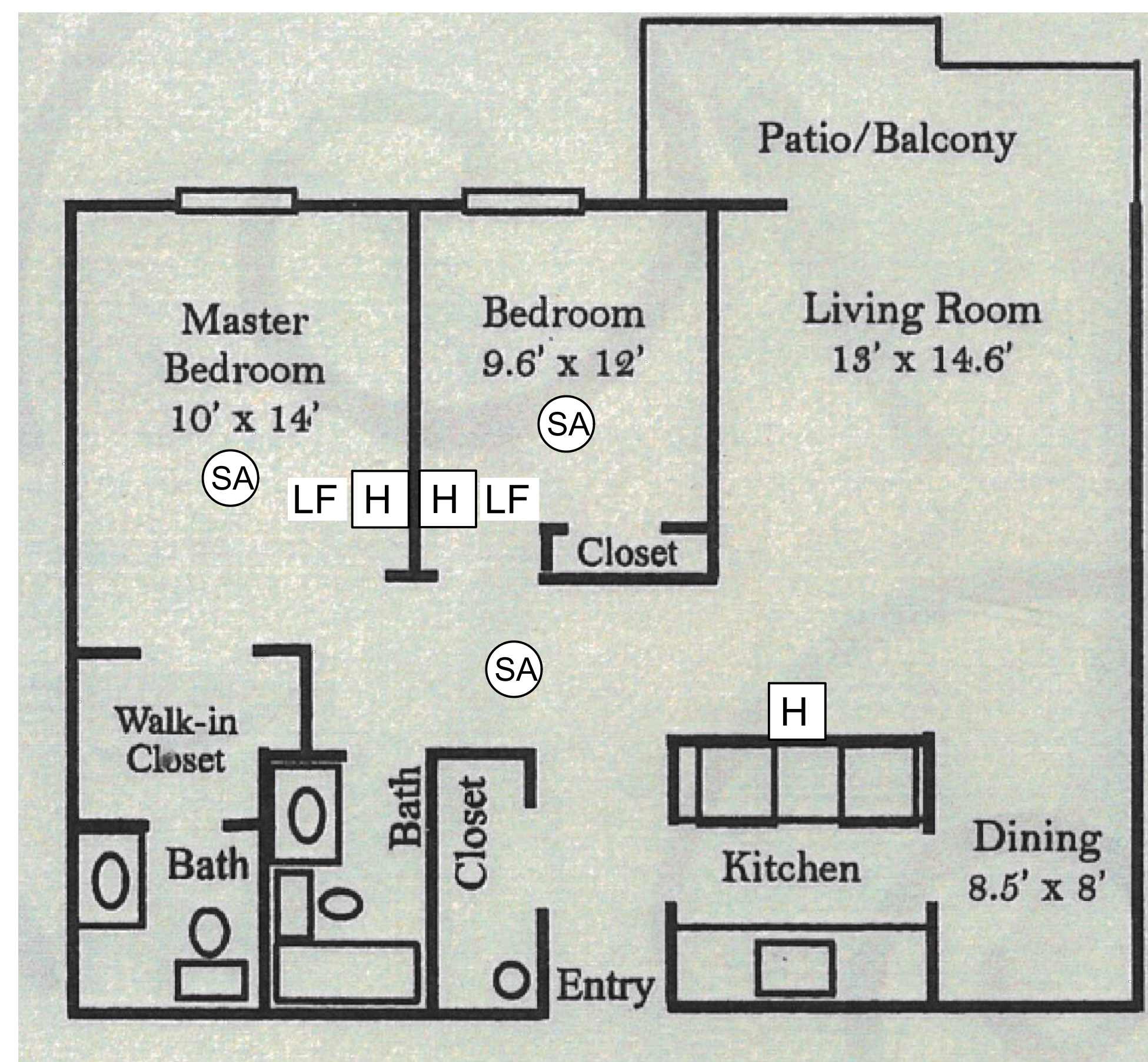
KING COUNTY HOUSING AUTHORITY
 15517 NE 12TH ST,
 BELLEVUE, WA 98007

DRAWN BY: MD	REVIEWED BY: JDO
PROJECT STATUS:	
ISSUE DATE:	
SHEET SIZE: ARCH D (24" x 36")	
DRAWING SCALE:	

SHEET NO. / TITLE: T1.1 SITE PLAN
PROJECT NUMBER: KHCA2202



1 TYPICAL ONE BEDROOM, ONE BATH (680 SF)
SCALE: 1/4" = 1'-0"



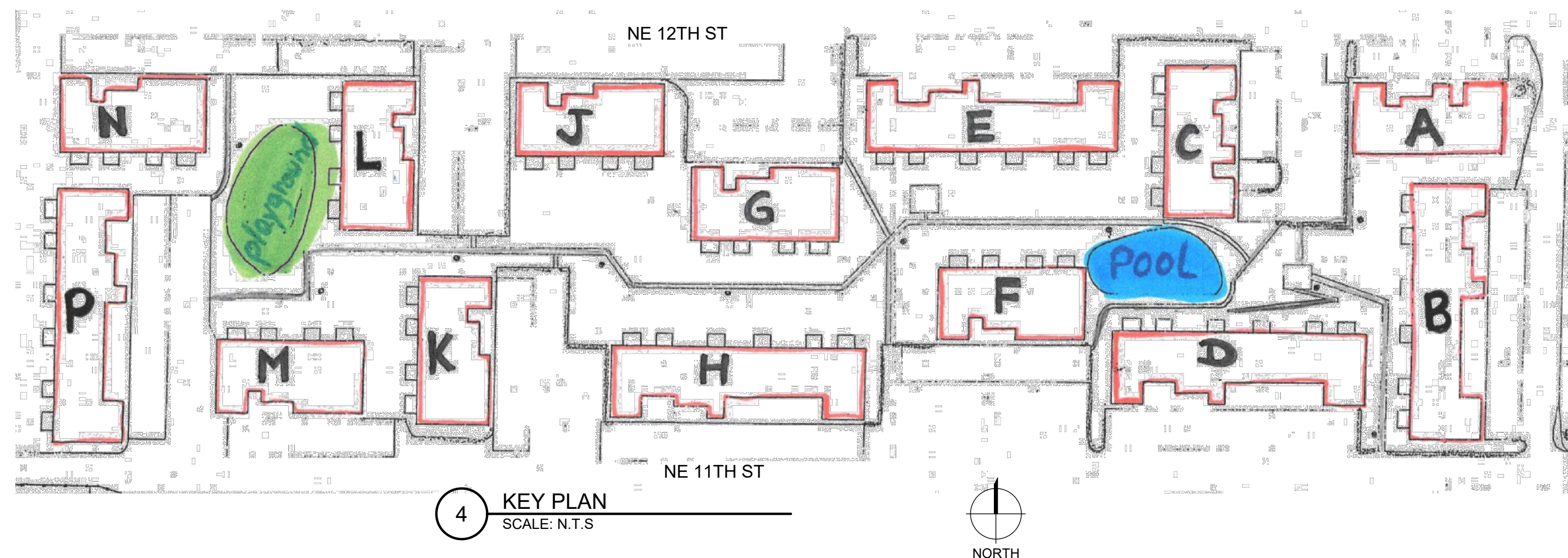
2 TYPICAL TWO BEDROOM, ONE & ONE-HALF BATH (870 SF)
SCALE: 1/4" = 1'-0"



3 TYPICAL TWO BEDROOM, ONE & ONE-HALF BATH (1,035 SF)
SCALE: 1/4" = 1'-0"

LEGEND:

- H NEW HORN
- SA INTER CONNECTED, 120V, SMOKE ALARM
- H LF NEW LOW FREQUENCY SOUNDER



4 KEY PLAN
SCALE: N.T.S.

COMPLEX MATRIX

BUILDING	FLOORS	UNITS	BEDROOMS	STORAGE	LAUNDRY
A	3	12	18	2	1
B	3	18	30	2	1
C	3	12	18	2	1
D	3	18	30	2	1
E	3	18	30	2	1
F	3	12	18	2	1
G	3	12	18	2	1
H	3	18	30	2	1
J	3	12	18	2	1
K	3	12	18	2	1
L	3	12	18	2	1
M	3	12	18	2	1
N	3	12	18	2	1
P	3	18	30	2	1
TOTALS		198	312	28	14



CASCADIAN APARTMENTS FIRE ALARM UPGRADES
KING COUNTY HOUSING AUTHORITY
15517 NE 12TH ST,
BELLEVUE, WA 98007

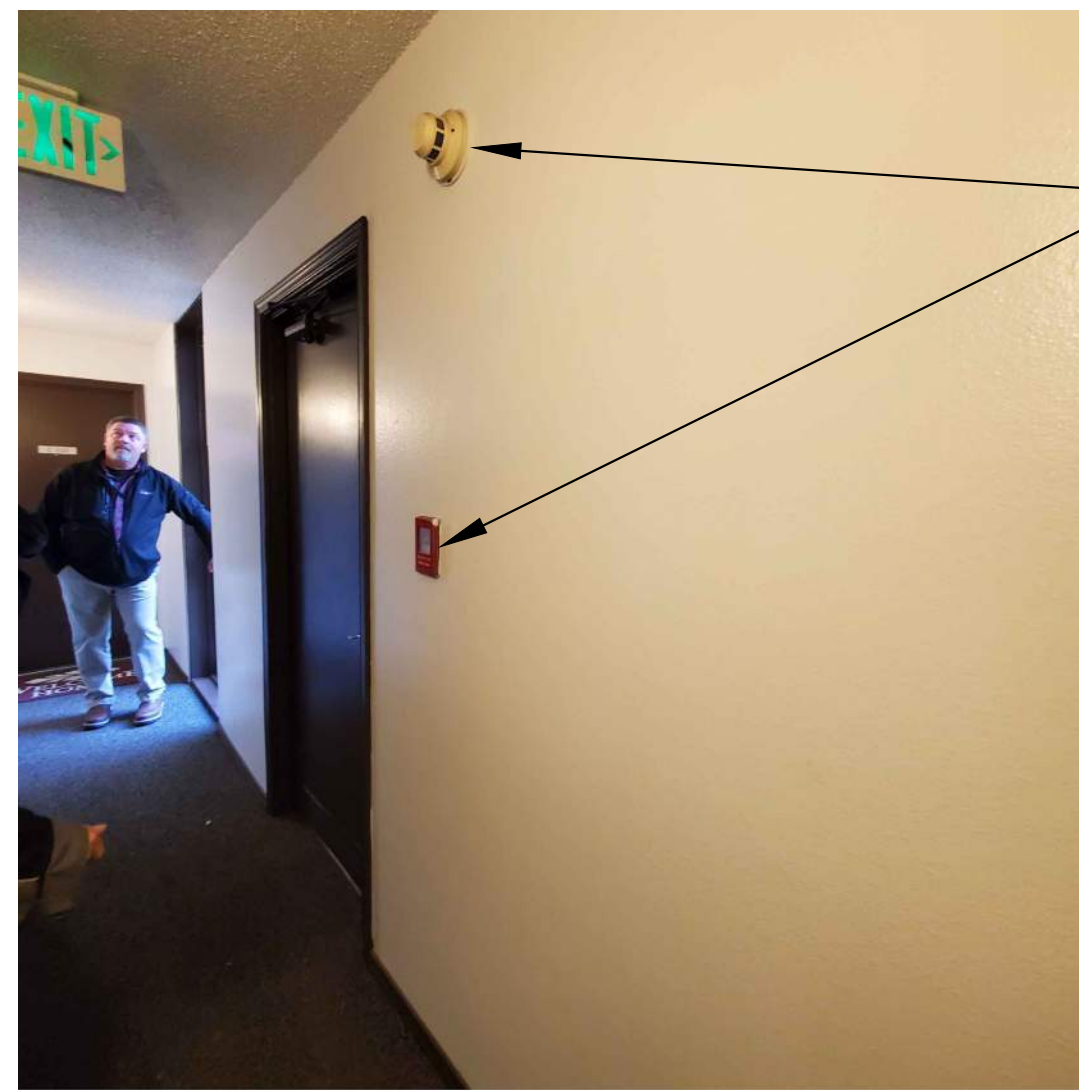
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ISSUE DATE:
SHEET SIZE: ARCH D (24" x 36")
DRAWING SCALE:

REVIEWED BY: JDO
SHEET NO. / TITLE: T1.2 KEY PLAN
PROJECT NUMBER: KHCA2202



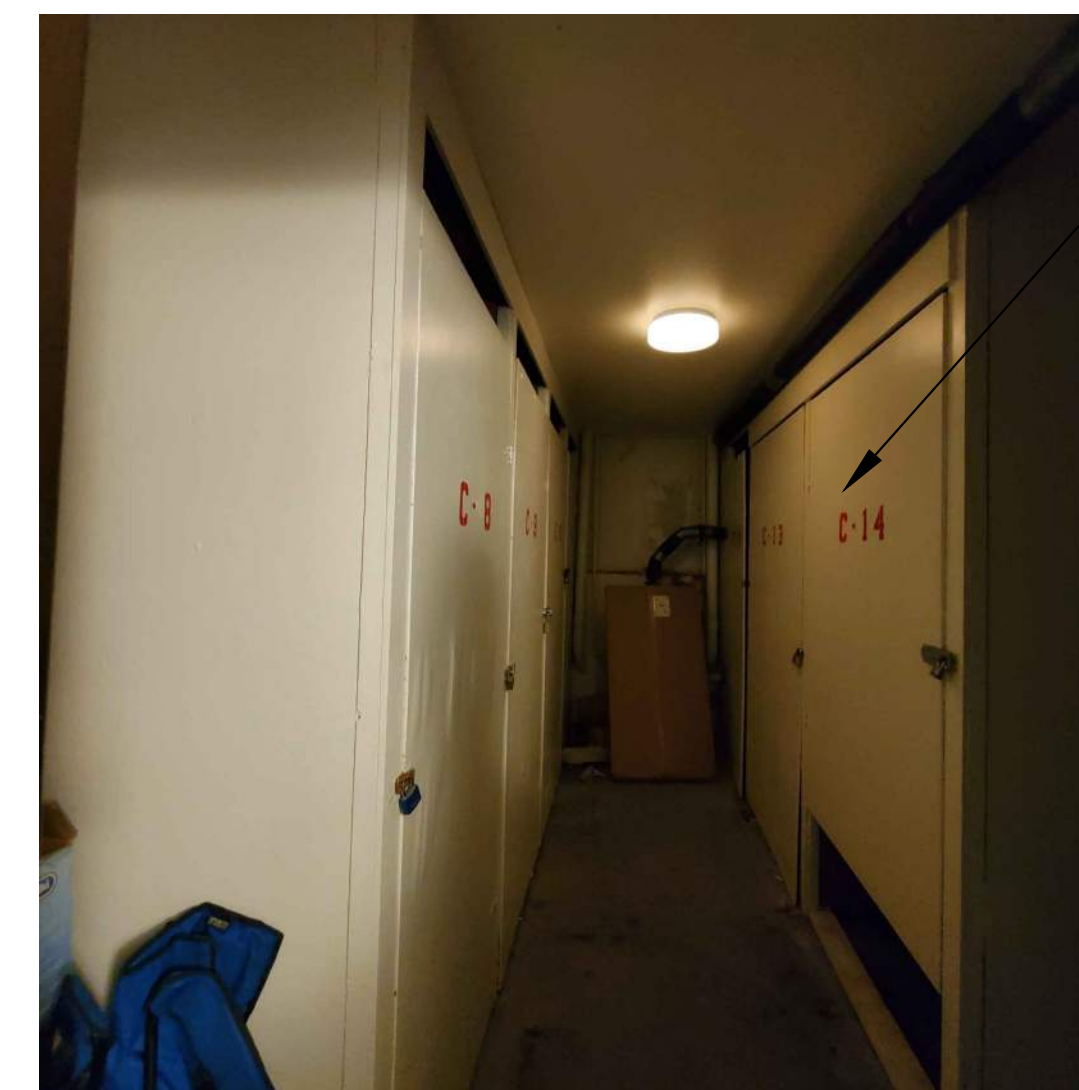
DEMOLISH FACP.
INSTALL NEW ANNUNCIATOR PANEL.

9 (E) FIRE ALARM PANEL
NTS



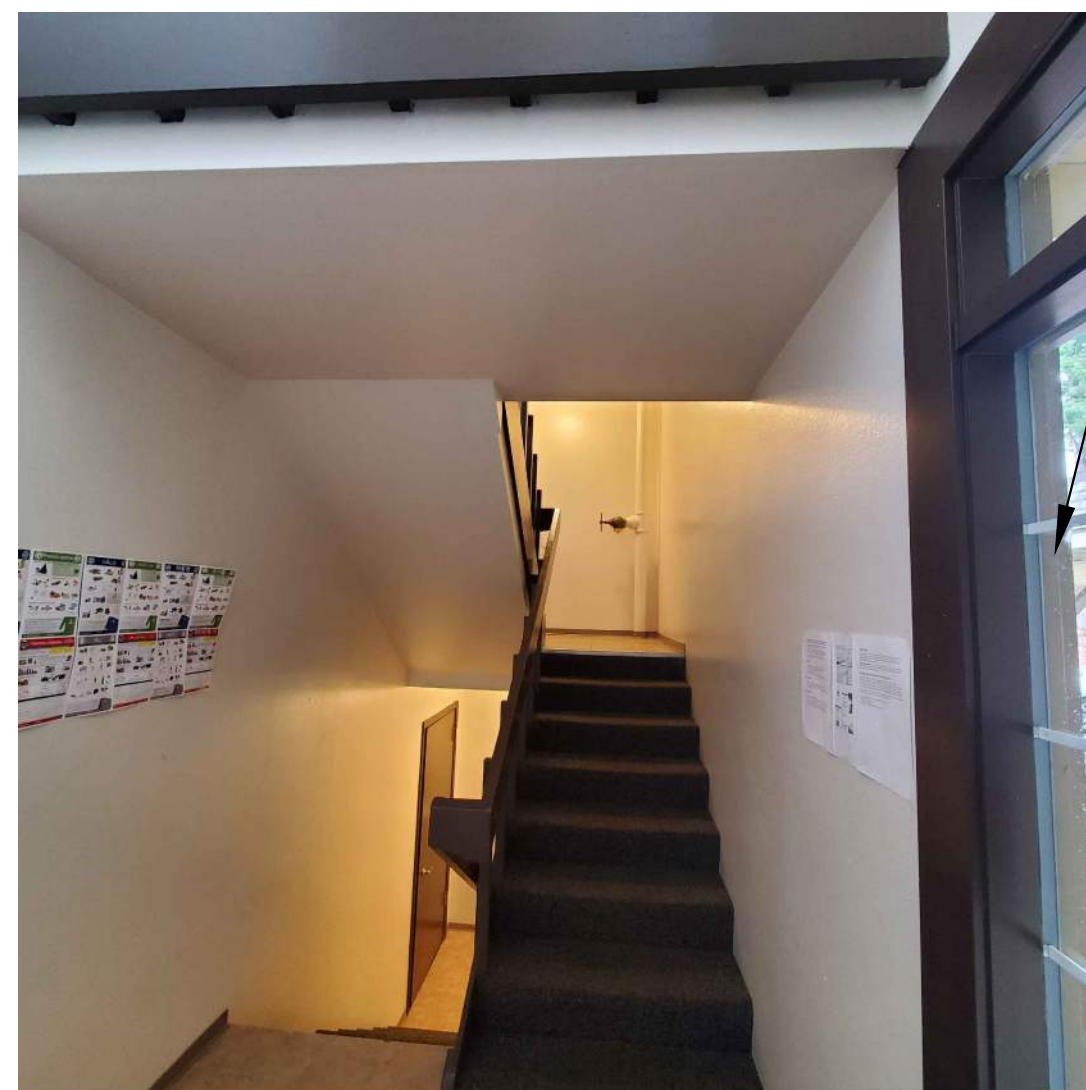
(E) FIRE ALARM DEVICES AT EXIT
REPLACE ALL (E) FIRE
ALARM DEVICES (TYP).

6 (E) DEVICES AT EXIT DOORS
NTS



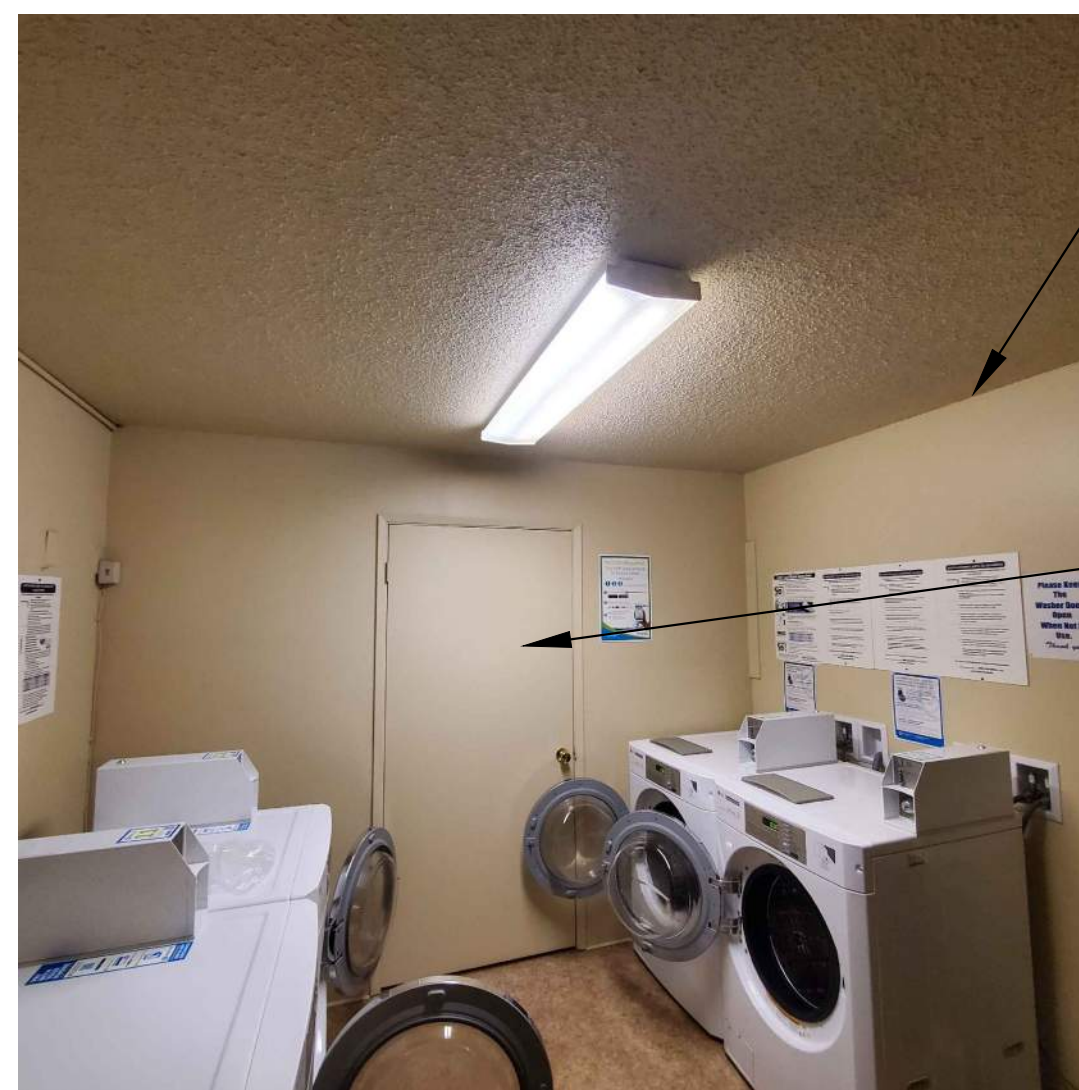
TYPICAL STORAGE ROOM.
STORAGE ROOM LOCATED ON
FIRST AND THIRD FLOORS OF
EACH BUILDING.

3 TYPICAL STORAGE ROOM
NTS



VIEW FROM BUILDING ENTRY.
ENTRY IS AT SPLIT LEVEL WITH
FIRST FLOOR DOWN, SECOND
FLOOR UP. (E) FACP IS LOCATED ON
INTERIOR WALL ADJACENT TO
BUILDING ENTRY.

8 TYP BUILDING ENTRY
NTS



LAUNDRY ROOM.
NOTE: LAUNDRY ROOM LOCATED
ON SECOND FLOOR OF EACH
BUILDING.

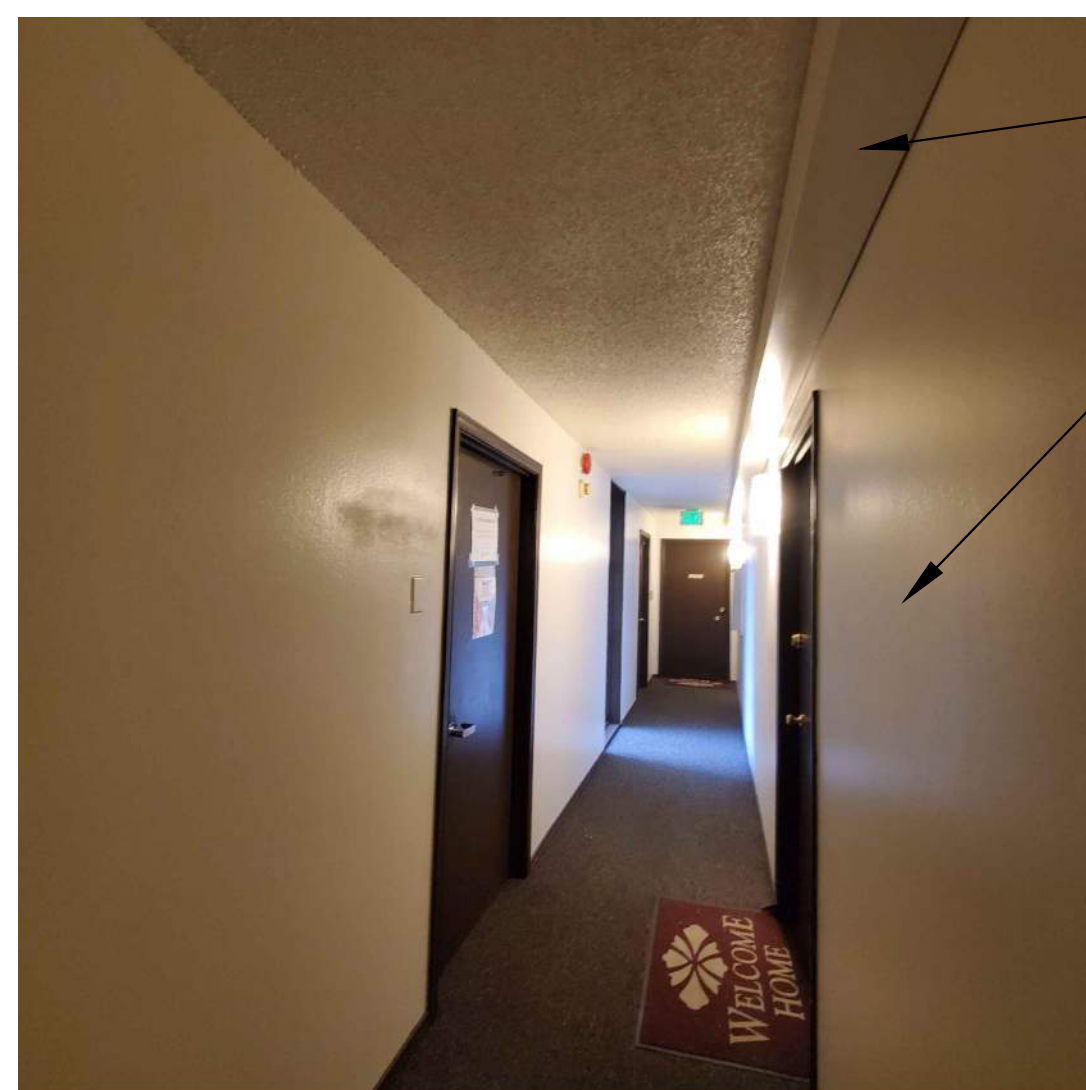
ELECTRICAL PANEL ACCESSED
THROUGH LAUNDRY ROOM.

5 TYPICAL LAUNDRY ROOM
NTS



NOTE: WALL AND CEILING
TEXTURE CONTAINS ASBESTOS.
NOTE: CLEARANCE RESTRICTION
ABOVE CORRIDOR WINDOWS.

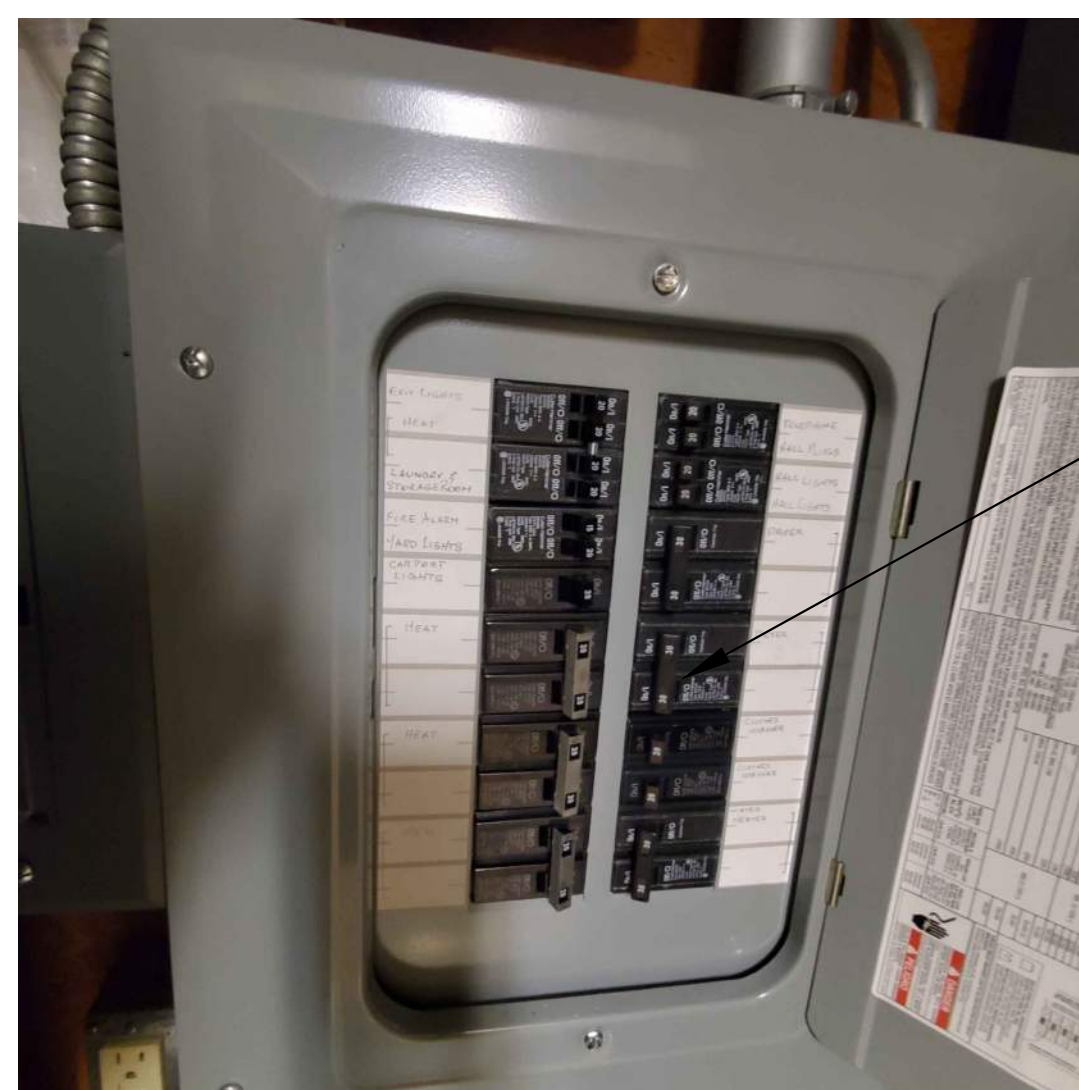
2 CORRIDOR CLEARANCE
NTS



(E) PLUMBING CHASE COVER.
REFER TO 1/FA1.1

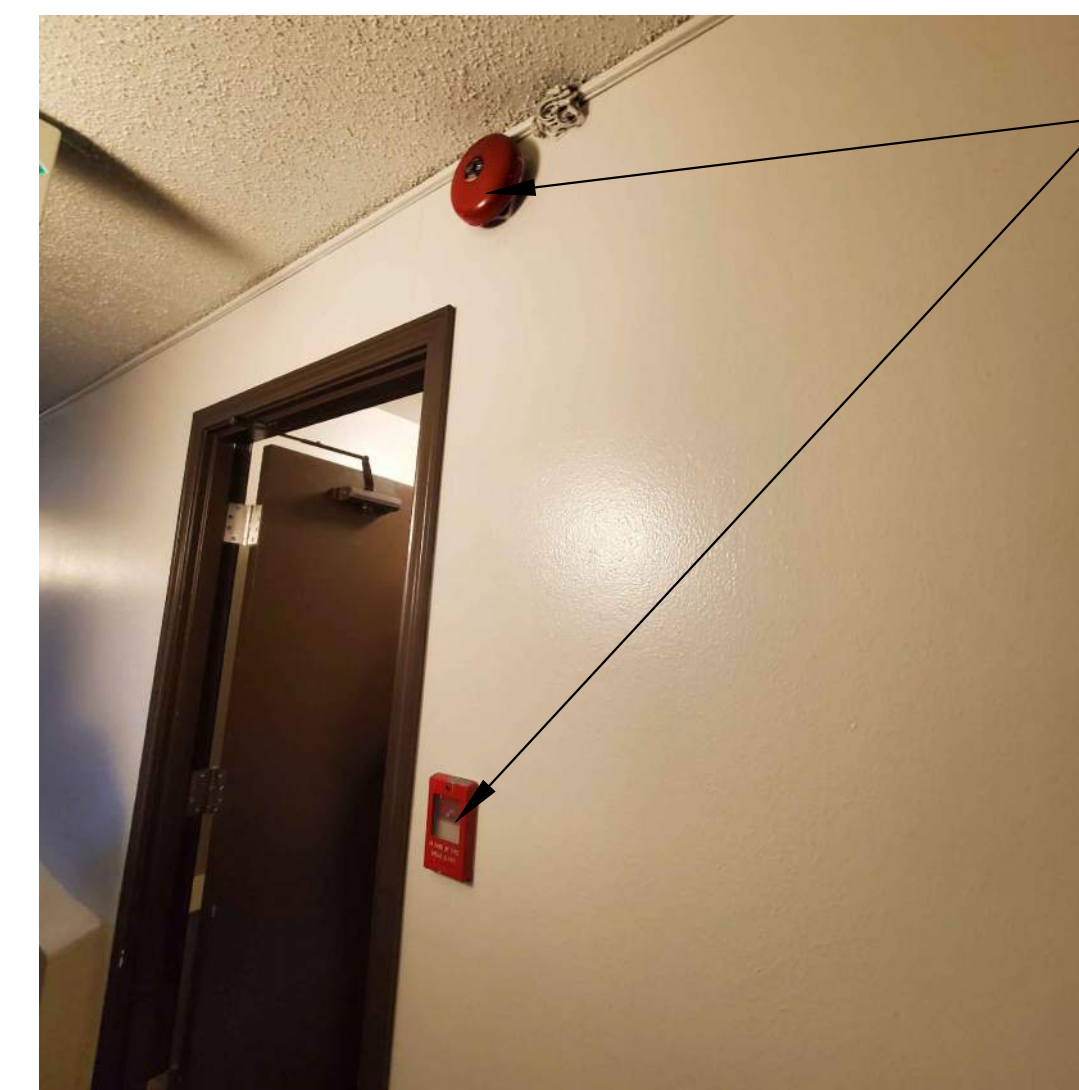
TYPICAL CORRIDOR.
NOTE: WALL AND CEILING
TEXTURE MATERIAL CONTAINS
ASBESTOS (TYP. ALL BUILDINGS).

7 TYP CORRIDOR
NTS



(E) ELECTRICAL PANEL

4 ELECTRICAL PANEL
NTS



REPLACE (E) FIRE ALARM DEVICES
WITH NEW.
BIDDERS RESPONSIBILITY TO
MEET CITY OF BELLEVUE AND
NFPA SIGNAL AND NOTIFICATION
REQUIREMENTS.

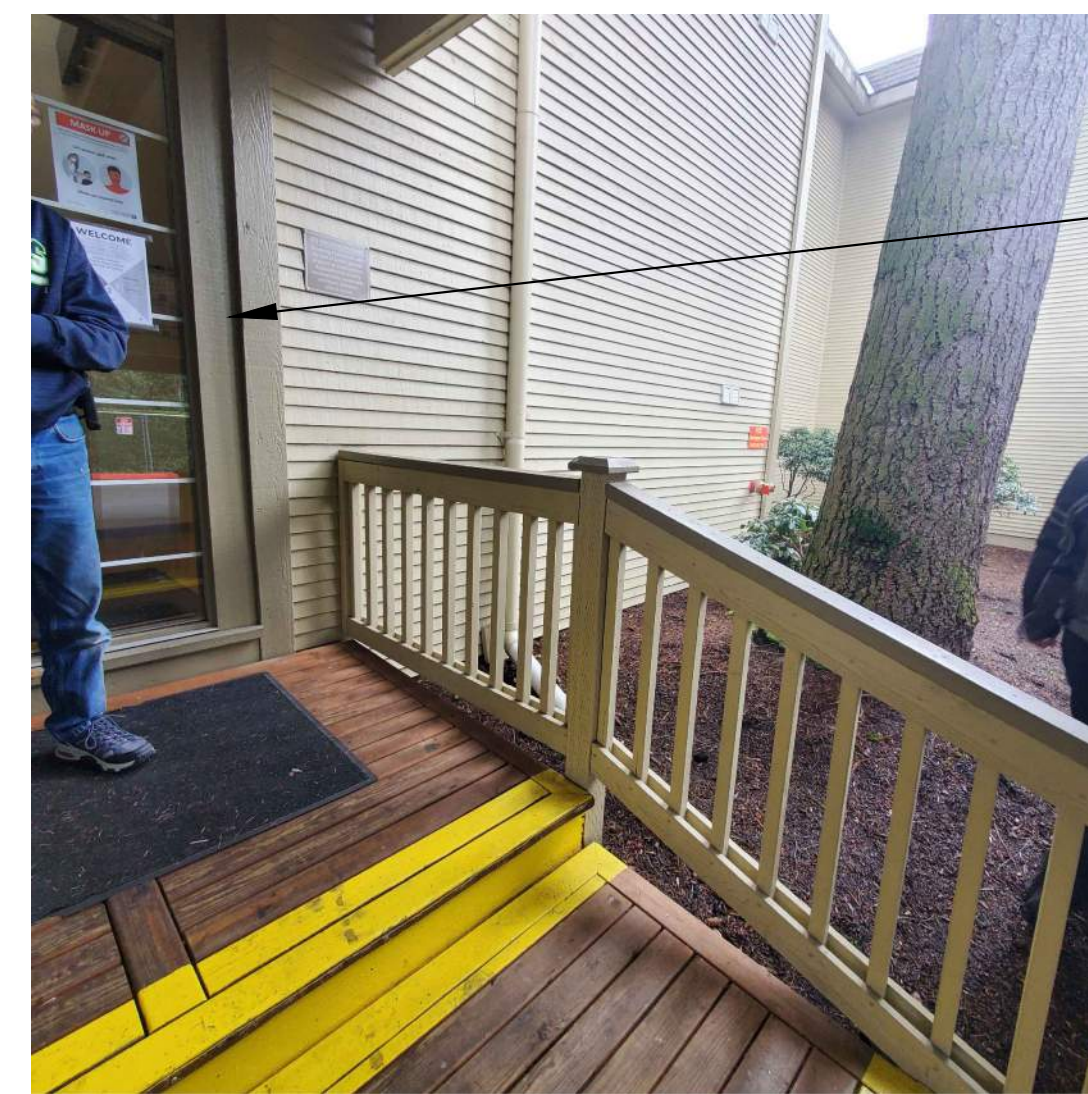
1 DEVICES AT EXIT DOOR
NTS



FURNISH AND INSTALL NEW EXTERIOR HORN/STROBE DEVICE ABOVE BUILDING ENTRY AT ALL BUILDINGS IN COMPLEX. CONCEAL CONDUITS.

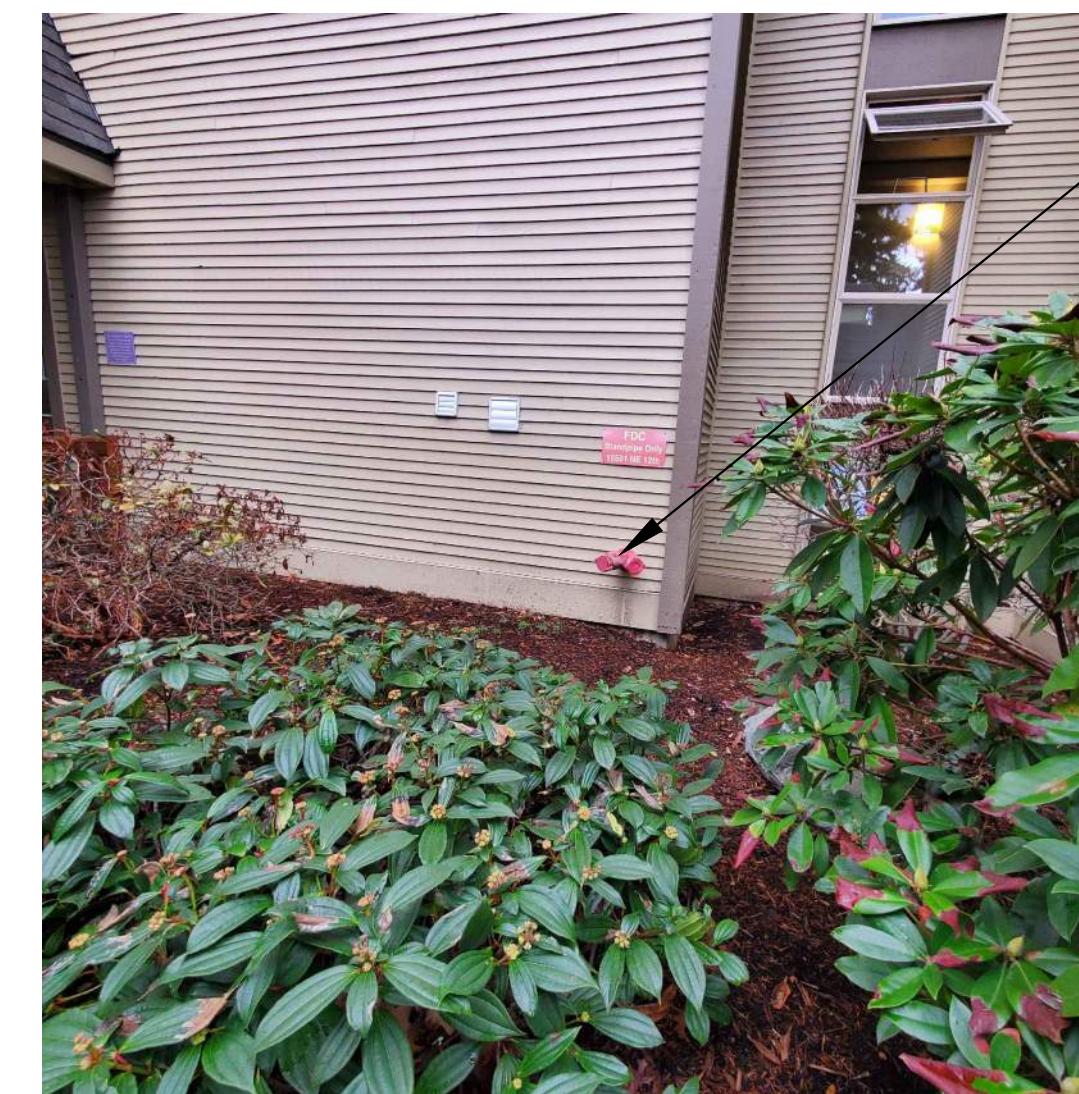
- NOTES:
1. THERE ARE NO EXISTING EXTERIOR HORN/STROBE DEVICES. NEW CONDUIT PATH AND BACK-BOXES REQUIRED.
 2. VERIFY LOCATION W/ CITY OF BELLEVUE FIRE MARSHALL.

3 BE ENTRY
NTS



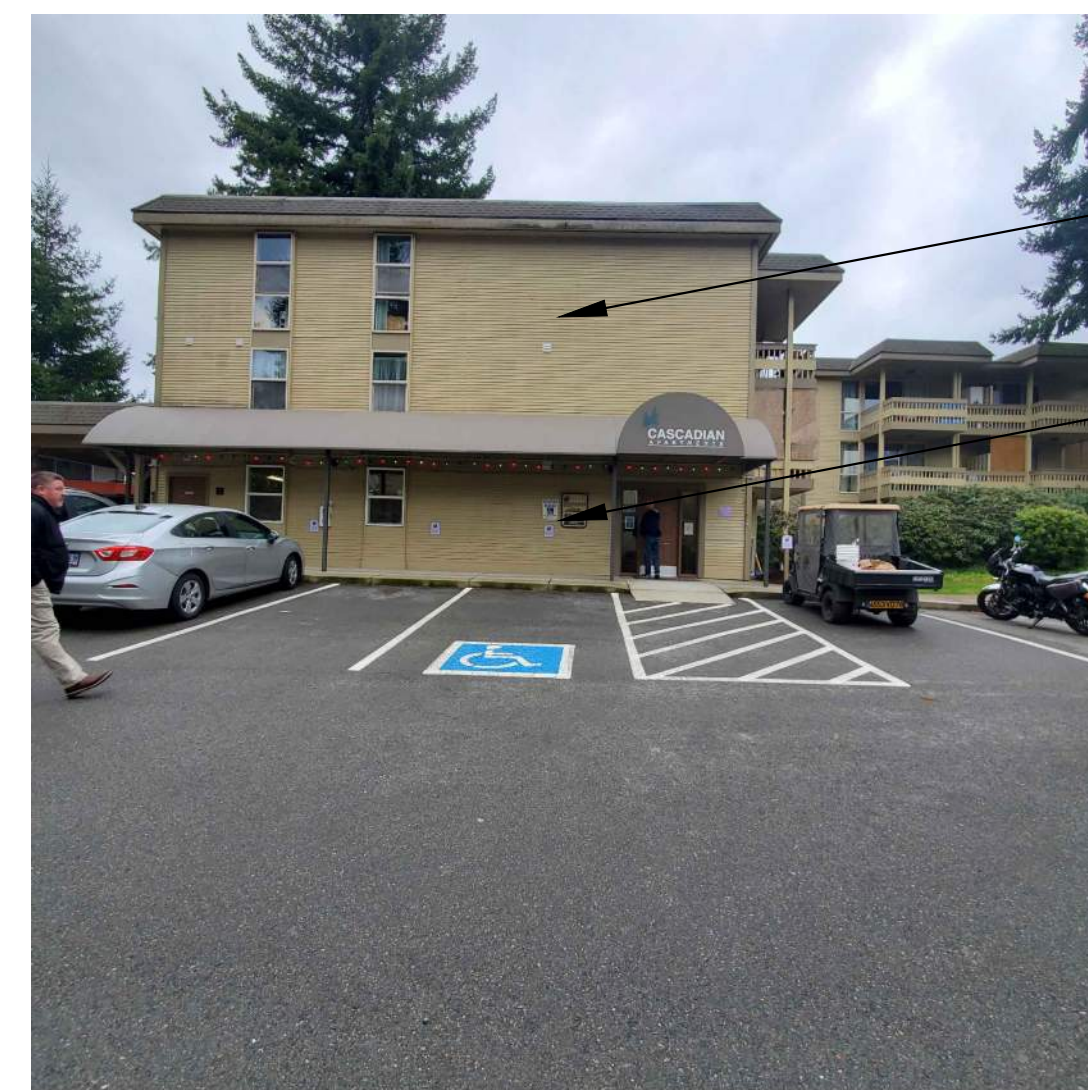
BUILDING ENTRY.
NOTE: THERE ARE NO ADA UNITS IN THE COMPLEX.

5 BG ENTRY
NTS



FIRE DEPARTMENT CONNECTION.

2 FDC
NTS



UPPER UNITS ARE APARTMENT UNITS

FIRST FLOOR IS USED FOR OFFICE FUNCTIONS. FOR BIDDING PURPOSE ASSUME FIRST FLOOR IS A TYPICAL APARTMENT BUILDING LAYOUT.

4 OFFICE
NTS

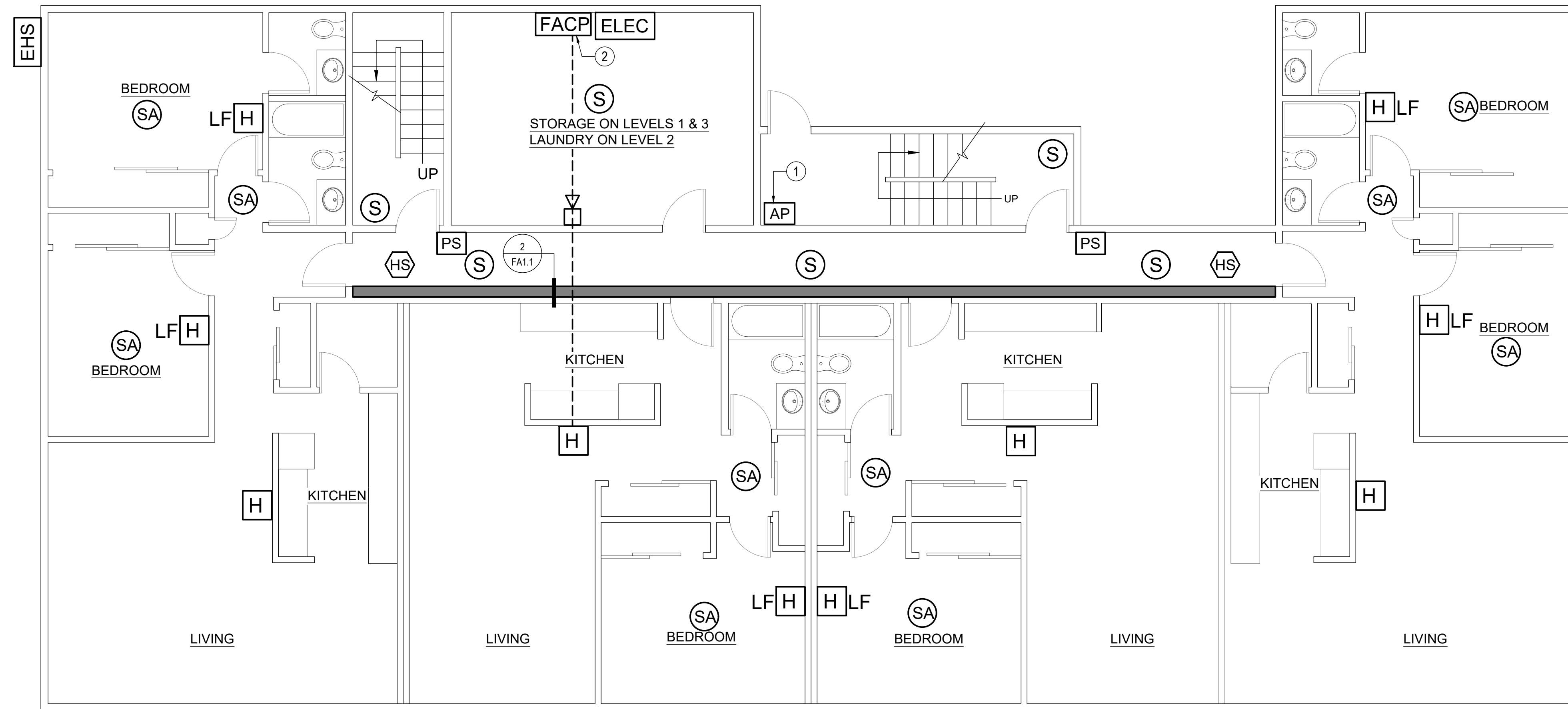


RE-USE (E) RACEWAY.

TYPICAL FINISHES IN INDIVIDUAL UNITS.
NOTE: WALL AND CEILING TEXTURE CONTAIN ASBESTOS.

REPLACE (E) F.A. DEVICE.
NOTE: CONTRACTOR IS RESPONSIBLE FOR DEVICE LAYOUT THAT MEETS JURISDICTIONAL REQUIREMENTS.

1 TEXTURED CEILING
NTS



1 TYPICAL F.A. DEVICE LAYOUT FOR BUILDINGS A, C, F, G, J, K, L, M, N - TYP. 1ST & 3RD FLOOR PLAN (2ND FLOOR SIMILAR)
 SCALE: 3/16" = 1'-0"
 ALL BUILDINGS HAVE 3 FLOORS, 18 UNITS EACH BUILDING



LEGEND:

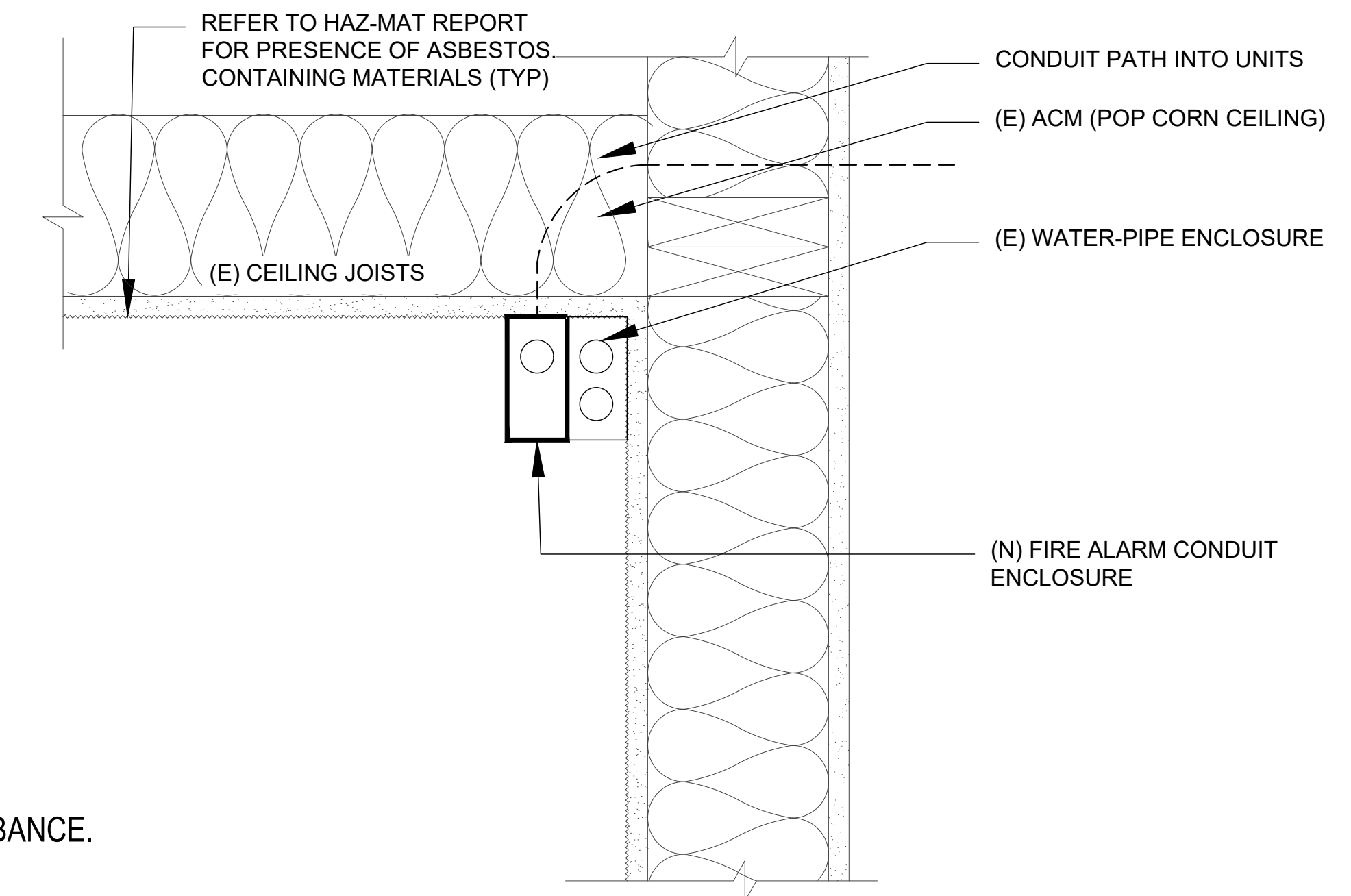
- | | |
|--|---|
| HORN STROBE - WALL MOUNTED | HORN STROBE - CEILING MOUNTED |
| HORN | ANNUNCIATOR PANEL (ONE PER BUILDING) |
| LOW-FREQUENCY SOUNDER | EXTERIOR HORN STROBE (ONE PER BUILDING) |
| PULL STATION | FIRE ALARM CONTROL PANEL (ONE PER BUILDING) |
| SMOKE DETECTOR (SYSTEM SMOKE DETECTOR) | |
| INTER CONNECTED, 120V, SMOKE ALARM CONNECTED TO NEAREST AVAILABLE UNSWITCHED SERVICE | |

GENERAL NOTES:

- (E) PLAN IS DIAGRAMMATIC TO SHOW NEW FIRE ALARM DEVICE REQUIREMENTS.
- REPLACE FIRE ALARM PANEL AND REPLACE NAC POWER SUPPLIES AS REQUIRED.
- FIRE ALARM RISER DESIGNED BY FIRE ALARM VENDOR.
- REPLACE ALL (E) FIRE ALARM DEVICES AND ADD NEW AS REQUIRED TO MEET JURISDICTIONAL REQUIREMENTS
- MINIMIZE DISTURBANCE OF (E) ACM CEILING AND WALL FINISHES. FOLLOW ALL LOCAL, STATE AND FEDERAL REQUIREMENTS ASSOCIATED W/ ACM DISTURBANCE.
- VERIFY LOCATION OF EXTERIOR HORN STROBE W/ FIRE MARSHALL.

KEY NOTES:

- FURNISH AND INSTALL ANNUNCIATOR PANEL AT MAIN ENTRY. MOUNT AT SAME LOCATION AS EXISTING F.A.C.P.
- INSTALL F.A.C.P. ADJACENT TO (E) ELEC. PANEL. EXTEND 15 AMP DEDICTED CIRCUIT TO F.A.C.P.



2 SURFACE CABLE RACEWAY DETAIL, TYP. FOR ALL BUILDINGS
 SCALE: 1" = 1'-0"

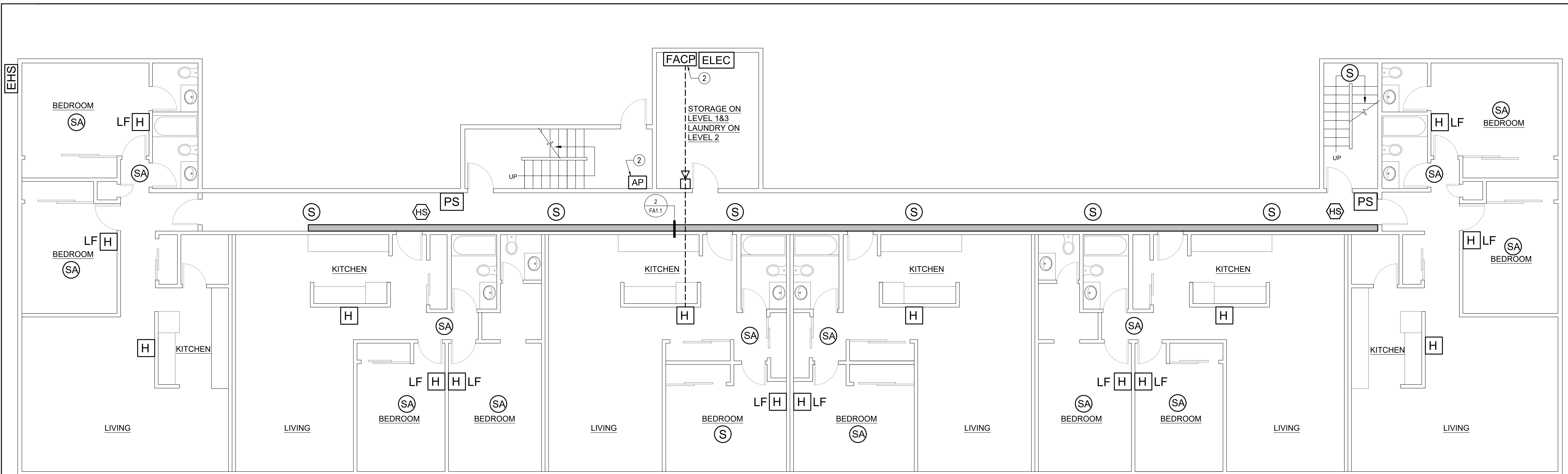
NOTE: THIS IS A SUGGESTED PATHWAY FOR RACEWAY ROUTING. OBTAIN OWNER APPROVAL FOR ALTERNATE ROUTING OPTIONS.



CASCADIAN APARTMENTS FIRE ALARM UPGRADES
 KING COUNTY HOUSING AUTHORITY
 15517 NE 12TH ST,
 BELLEVUE, WA 98007

DRAWN BY: MD	REVIEWED BY: JDO
PROJECT STATUS:	
ISSUE DATE:	
SHEET SIZE: ARCH D (24" x 36")	
DRAWING SCALE:	

SHEET NO. / TITLE: FA1.1 TYP. FIRE ALARM DEVICE LAYOUT PLAN
PROJECT NUMBER: KHCA2202



1 TYPICAL F.A. DEVICE LAYOUT FOR BUILDINGS B, D, E, H, P - TYP. 1ST & 3RD FLOOR PLAN (2ND FLOOR SIMILAR)
 SCALE: 3/16" = 1'-0"
 ALL BUILDINGS HAVE 3 FLOORS, 18 UNITS EACH BUILDING



LEGEND:

- | | |
|--|---|
| HORN STROBE - WALL MOUNTED | HORN STROBE - CEILING MOUNTED |
| HORN | ANNUNCIATOR PANEL (ONE PER BUILDING) |
| LOW-FREQUENCY SOUNDER | EXTERIOR HORN STROBE (ONE PER BUILDING) |
| PULL STATION | FIRE ALARM CONTROL PANEL (ONE PER BUILDING) |
| SMOKE DETECTOR (SYSTEM SMOKE DETECTOR) | |
| INTER CONNECTED, 120V, SMOKE ALARM CONNECTED TO NEAREST AVAILABLE UNSWITCHED SERVICE | |

GENERAL NOTES:

1. (E) PLAN IS DIAGRAMMATIC TO SHOW NEW FIRE ALARM DEVICE REQUIREMENTS.
2. REPLACE FIRE ALARM PANEL AND REPLACE NAC POWER SUPPLIES AS REQUIRED.
3. FIRE ALARM RISER DESIGNED BY FIRE ALARM VENDOR.
4. REPLACE ALL (E) FIRE ALARM DEVICES AND ADD NEW AS REQUIRED TO MEET JURISDICTIONAL REQUIREMENTS
5. MINIMIZE DISTURBANCE OF (E) ACM CEILING AND WALL FINISHES. FOLLOW ALL LOCAL, STATE AND FEDERAL REQUIREMENTS ASSOCIATED W/ ACM DISTURBANCE.
6. VERIFY LOCATION OF EXTERIOR HORN STROBE W/ FIRE MARSHALL.

KEY NOTES:

- 1 FURNISH AND INSTALL ANNUNCIATOR PANEL AT MAIN ENTRY. MOUNT AT SAME LOCATION AS EXISTING F.A.C.P.
- 2 INSTALL F.A.C.P. ADJACENT TO (E) ELEC. PANEL. EXTEND 15 AMP DEDICTED CIRCUIT TO F.A.C.P.



CASCADIAN APARTMENTS FIRE ALARM UPGRADES
 KING COUNTY HOUSING AUTHORITY
 15517 NE 12TH ST,
 BELLEVUE, WA 98007

DRAWN BY: MD	REVIEWED BY: JDO	SHEET NO. / TITLE: FA1.2 TYP. FIRE ALARM DEVICE LAYOUT PLAN
PROJECT STATUS:		
ISSUE DATE:		
SHEET SIZE: ARCH D (24" x 36")		
DRAWING SCALE:		PROJECT NUMBER: KHCA2202

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 Fire Alarm 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 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.
- B. The retail sales tax does not apply to the gross contract price.

INSTRUCTIONS TO BIDDERS

- 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 INSURANCE

Must, for the duration of the contract, procure and maintain Builders Risk insurance as stated in Part 2 of the General Conditions. This shall be in addition to General Liability and Automobile Liability Coverage.

1.12 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.

1.13 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.

1.14 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.

INSTRUCTIONS TO BIDDERS

1.15 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:
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.

1.16 CONTRACT AWARD

INSTRUCTIONS TO BIDDERS

- 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.
- B. **Must, for the duration of the contract, procure and maintain Builders Risk insurance as stated in Part 2 of the General Conditions. This shall be in addition to General Liability, Automobile Liability, and Professional Liability/Errors and Omissions (if applicable) Coverage.**
- C. **Bonding, insurance certificate with endorsements, 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.**
- D. **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.
- E. **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.
- T. "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.
 - 4. Builders Risk (Property / Course of Construction insurance covering for all risks of loss for all projects in excess of \$250,000.00).

2.3 MINIMUM LIMITS OF INSURANCE

GENERAL CONDITIONS

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.
4. Builder Risk (Property) / Course of Construction: Completed value of project.

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.
7. Builders Risk / Course of Construction policies shall contain the following provisions:
 - a. The King County Housing Authority shall be named as loss payee.
 - b. The insurer shall waive all rights of subrogation against the Owner and the Property Manager, its officers, officials, employees and volunteers.

2.6 ACCEPTABILITY OF INSURERS

GENERAL CONDITIONS

- 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.

2.7 VERIFICATION OF COVERAGE

- A. 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

GENERAL CONDITIONS

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 subcontractor and such laborers and mechanics.

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.

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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.
 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.

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- 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.
- 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.

GENERAL CONDITIONS

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 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.

GENERAL CONDITIONS

- 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.
- 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.

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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 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.

GENERAL CONDITIONS

- 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.

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.

GENERAL CONDITIONS

- 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.
- 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

GENERAL CONDITIONS

- 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.
- 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

GENERAL CONDITIONS

7. Contractor is otherwise in material breach of any provision of the Contract Documents.
- 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

GENERAL CONDITIONS

performance of this Contract. The Owner shall have the right to an annual audit of the Contractor's financial statement and condition.

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:

**Cascadian Apartments
Fire Alarm Systems**

Contract Number: HW2201531

BID FORM

The undersigned, Legal Name of Bidder: _____

on this date: _____, 2022, 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 _____ 2022

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: _____

BIDDER INFORMATION

Has any lien, claim and/or adverse legal action related to construction been rendered against Bidder in the past five years? (i.e., open claims, lawsuits, warrants, judgements including but not limited to those that would show on the L&I website) No Yes If yes, give details & attach additional pages as necessary: _____

Has Bidder or any of its employees filed any claims with Washington State Worker's Compensation or other insurance company for accidents resulting in fatal injury or dismemberment in the past 5 years? No Yes
If yes, please state:

<u>Date</u>	<u>Type of Injury</u>	<u>Agency Receiving Claim</u>
_____	_____	_____
_____	_____	_____

Bidders current Experience Modification Rate (EMR): _____

(If Bidder is self-insured, attach proof of EMR stated, showing complete worksheet calculations)

The bidder hereby certifies that the information contained in this Bidder's Information is accurate, complete and current.

BY: _____ NAME: _____
(signature) (print)

TITLE: _____ DATE: _____

CONTRACT FORM

This Contract is entered into by and between the King County Housing Authority, hereinafter referred to as the "Owner" whose principal office is located at 600 Andover Park West, Seattle, WA 98188 and [Name of Contractor], referred to as the "Contractor", whose principal office is located at [Contractor's Address].

IN CONSIDERATION OF the mutual benefits and conditions hereinafter contained, the parties hereto agree as follows:

1.1 Contract Documents

A. The provisions set forth in the Contract Documents are hereby incorporated into and made part of the Contract. Contractor acknowledges receipt and review of all Contract Documents applicable to performance of the work. The Contract shall consist of the following component parts:

1. This Instrument
2. Addenda
3. Specifications
4. Plans
5. Bid Form
6. Pre-Bid Agenda
7. General Conditions
8. Instructions to Bidders
9. Prevailing Wage Rates
10. Performance and Payment Bonds
11. Hazardous Material Report

1.2 Scope of Services to be Performed by the Contractor: The Contractor shall provide all labor, materials, tools, equipment, transportation, supplies, and incidentals required to complete the work in accordance with the Contract Documents for:

Project: Cascadian Fire Alarm Systems

Contract No.: HW2201531

1.3 Compensation: The total amount of the Contract shall be [\$\$\$] dollars and [¢¢] cents (\$[\$\$\$.\$\$]) subject to additions and deductions provided therein.

1.4 Duration of Contract: The Contractor shall commence work after receipt of Notice to Proceed, follow the schedule specified in the contract documents, and all work must be completed within ninety (90) consecutive calendar days from the date of the Notice to Proceed unless sooner terminated pursuant to the General Conditions. Upon expiration of the original Contract term, the Contract, at the Owner's sole discretion, may be extended for a period determined by the Owner.

1.5 Liquidated Damages: Timely performance and completion of the Work is essential to Owner and time limits stated in the Contract Documents are of the essence. If Completion of the Work does not occur within the Contract Time, the Contractor agrees that Liquidated Damages in the amount of **\$250** per day will be assessed for each calendar day that the Contractor exceeds the time for completion.

The individuals signing this Contract warrant and represent for themselves and for their respective organizations that they are duly authorized to sign this Contract and that upon such signing their respective organizations are bound thereby.

DATED this _____ day of _____, 2022

Contractor

Owner

President/Owner

Dan Watson
Interim Executive Director
KING COUNTY HOUSING AUTHORITY

CERTIFICATE OF INSURANCE

DATE(MM/DD/YY)

Issue Date

PRODUCER Vendor's Insurance Agent Street Address City, State, Zip Phone Number	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. <div style="text-align: center;">COMPANIES AFFORDING COVERAGE</div> <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> <tr> <td style="text-align: center;">COMPANY B</td> <td>DEF Insurance Company</td> </tr> <tr> <td style="text-align: center;">COMPANY C</td> <td>GHI Insurance Company</td> </tr> <tr> <td style="text-align: center;">COMPANY D</td> <td></td> </tr> </table>	COMPANY A	ABC Insurance Company	COMPANY B	DEF Insurance Company	COMPANY C	GHI Insurance Company	COMPANY D	
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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 checked="" type="checkbox"/> HIRED AUTOS				PROPERTY DAMAGE
<input type="checkbox"/> SCHEDULED 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
	<input type="checkbox"/> 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

King County Housing Authority and Allied Residential Services are named as additional insureds with respect to above general liability and auto coverage. Re: Contract HW2201531 at Cascadian Apartments, 15517 NE 12th St, Bellevue, WA 98007.

CERTIFICATE HOLDER King County Housing Authority Allied Residential Services 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
ACORD 25-S (3/93)	ACORD CORPORATION 1993

PROVIDE

**GENERAL LIABILITY
ENDORSEMENT**

and

**AUTO LIABILITY
ENDORSEMENT**



Limited Good Faith Asbestos Inspection

"Cascadian Apartments"
15517 NE 12th Street,
Bellevue, WA 98007



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

Project Number	2016-1117
Inspection Date	January 9 & 10, 2017
Report Date	January 13, 2017
Inspected By	Derrick Gallard
AHERA Certification	159360 / 160154
Expiration Date	October 19, 2017 / December 7, 2017

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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 Cascadian Apartments located at 15517 NE 12th Street, Bellevue, WA 98007 on January 9 & 10, 2017.

Derrick Gallard, an AHERA Certified Building Inspector, conducted this inspection at the request of Mr. Hugh Watkinson of King County Housing Authority.

The purpose of this inspection was to identify all suspect asbestos-containing building materials which would be impacted by the planned renovations. **As per the client (Hugh Watkinson) onsite, these renovations include plumbing and fixture upgrades in four buildings that will disturb wall/ceiling systems.** Due to occupancy, destructive sampling methods were not utilized to collect samples of suspect building materials. No soft/limited demolition was performed during this inspection. Please note that hidden materials may exist within the structures, and all suspect materials must be treated as asbestos containing until testing proves otherwise.

This survey 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) 296-62-07221(2), *Identification*, 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 site plan indicating locations of samples collected by NVL personnel has been included in **Appendix A**.

2.0 SURVEY METHOD

Asbestos Survey 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 six linear feet or six 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 SURVEY 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 this structure was performed to identify potential asbestos-containing materials. The walk-through 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 (1-1-87 edition) Part 763, Subpart F, Appendix A, 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

General Building Type	The area being disturbed consists of four multi-level apartment buildings of traditional wood framed construction.
Primary External Components	The exterior of the structures were not part of the surveyed area.
Foundation Type	The foundation of the buildings was not part of the surveyed area.
Roofing Material(s)	The roofs of the buildings were not part of the surveyed area.
Window Type(s)	The windows were not part of the surveyed area.
Flooring	The flooring was not part of the surveyed area.
Thermal Systems With Insulation	The thermal system was not part of the surveyed area.
Finishing	The buildings are finished with textured drywall and popcorn ceiling texture.

5.0 FINDINGS

Building K, Floor 1 (Ceiling)

Sample Number	Material Description by Layer	Location	Asbestos	Quantity**	Friable*
2016-1117-K1-1-1	Popcorn ceiling texture	Building K, floor 1, hallway, ceiling	5%	3845 ft ²	Yes
2016-1117-K1-1-2	Not analyzed	Building K, floor 1, hallway, ceiling	Not analyzed		
2016-1117-K1-1-3	Not analyzed	Building K, floor 1, hallway, ceiling	Not analyzed		
2016-1117-K1-1-4	Not analyzed	Building K, floor 1, unit 123, living room, ceiling	Not analyzed		
2016-1117-K1-1-5	Not analyzed	Building K, floor 1, unit 124, bedroom, ceiling	Not analyzed		
2016-1117-K1-1-6	Not analyzed	Building K, floor 1, unit 125, foyer, ceiling	Not analyzed		
2016-1117-K1-1-7	Not analyzed	Building K, floor 1, unit 126, kitchen, ceiling	Not analyzed		

Building K, Floor 1 (Wall)

Sample Number	Material Description by Layer	Location	Asbestos	Quantity**	Friable*
2016-1117-K1-2-1	1: Wall texture 2: Drywall	Building K, floor 1, hallway, mid-wall	1: 5% 2: ND	9865 ft ²	Yes
2016-1117-K1-2-2	Not analyzed	Building K, floor 1, South stairway, mid-wall	Not analyzed		
2016-1117-K1-2-3	Not analyzed	Building K, floor 1, North stairway, mid-wall	Not analyzed		
2016-1117-K1-2-4	Not analyzed	Building K, floor 1, unit 123, bedroom, mid-wall	Not analyzed		
2016-1117-K1-2-5	Not analyzed	Building K, floor 1, unit 124, kitchen, mid-wall	Not analyzed		
2016-1117-K1-2-6	Not analyzed	Building K, floor 1, unit 125, bathroom, mid-wall	Not analyzed		
2016-1117-K1-2-7	Not analyzed	Building K, floor 1, unit 126, hall, mid-wall	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, Floor 2 (Ceiling)

Sample Number	Material Description by Layer	Location	Asbestos	Quantity**	Friable*
2016-1117-K2-1-8	Popcorn ceiling texture	Building K, floor 2, hallway, ceiling	6%	3945 ft ²	Yes
2016-1117-K2-1-9	Not analyzed	Building K, floor 2, laundry room, ceiling	Not analyzed		
2016-1117-K2-1-10	Not analyzed	Building K, floor 2, hallway, ceiling	Not analyzed		
2016-1117-K2-1-11	Not analyzed	Building K, floor 2, unit 226, living room, ceiling	Not analyzed		
2016-1117-K2-1-12	Not analyzed	Building K, floor 2, unit 225, bedroom, ceiling	Not analyzed		
2016-1117-K2-1-13	Not analyzed	Building K, floor 2, unit 224, hall, ceiling	Not analyzed		
2016-1117-K2-1-14	Not analyzed	Building K, floor 2, unit 223, living room, ceiling	Not analyzed		

Building K, Floor 2 (Wall)

Sample Number	Material Description by Layer	Location	Asbestos	Quantity**	Friable*
2016-1117-K2-2-8	1: Wall texture 2: Drywall	Building K, floor 2, laundry room, mid-wall	1: 2% 2: ND	9865 ft ²	Yes
2016-1117-K2-2-9	Not analyzed	Building K, floor 2, hallway, mid-wall	Not analyzed		
2016-1117-K2-2-10	Not analyzed	Building K, floor 2, South stairway, mid-wall	Not analyzed		
2016-1117-K2-2-11	Not analyzed	Building K, floor 2, unit 226, bathroom, mid-wall	Not analyzed		
2016-1117-K2-2-12	Not analyzed	Building K, floor 2, unit 225, kitchen, mid-wall	Not analyzed		
2016-1117-K2-2-13	Not analyzed	Building K, floor 2, unit 224, bathroom, mid-wall	Not analyzed		
2016-1117-K2-2-14	Not analyzed	Building K, floor 2, unit 223, bathroom, mid-wall	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, Floor 3 (Ceiling)

Sample Number	Material Description by Layer	Location	Asbestos	Quantity**	Friable*
2016-1117-K3-1-15	Popcorn ceiling texture	Building K, floor 3, unit 323, living room, ceiling	5%	3845 ft ²	Yes
2016-1117-K3-1-16	Not analyzed	Building K, floor 3, unit 324, bedroom, ceiling	Not analyzed		
2016-1117-K3-1-17	Not analyzed	Building K, floor 3, unit 325, living room, ceiling	Not analyzed		
2016-1117-K3-1-18	Not analyzed	Building K, floor 3, unit 326, bedroom, ceiling	Not analyzed		
2016-1117-K3-1-19	Not analyzed	Building K, floor 3, North stairway, ceiling	Not analyzed		
2016-1117-K3-1-20	Not analyzed	Building K, floor 3, hallway, ceiling	Not analyzed		
2016-1117-K3-1-21	Not analyzed	Building K, floor 3, hallway, ceiling	Not analyzed		

Building K, Floor 3 (Wall)

Sample Number	Material Description by Layer	Location	Asbestos	Quantity**	Friable*
2016-1117-K3-2-15	Drywall	Building K, floor 3, unit 333, bedroom, mid-wall	ND	9865 ft ²	Yes
2016-1117-K3-2-16	1: Wall texture 2: Drywall	Building K, floor 3, unit 324, bathroom, mid-wall	1: 2% 2: ND		
2016-1117-K3-2-17	Not analyzed	Building K, floor 3, unit 325, bathroom, mid-wall	Not analyzed		
2016-1117-K3-2-18	Not analyzed	Building K, floor 3, unit 326, foyer, mid-wall	Not analyzed		
2016-1117-K3-2-19	Not analyzed	Building K, floor 3, South stairway, mid-wall	Not analyzed		
2016-1117-K3-2-20	Not analyzed	Building K, floor 3, hallway, mid-wall	Not analyzed		
2016-1117-K3-2-21	Not analyzed	Building K, floor 3, hallway, mid-wall	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, Floor 1 (Ceiling)

Sample Number	Material Description by Layer	Location	Asbestos	Quantity**	Friable*
2016-1117-H1-1-1	Popcorn ceiling texture	Building H, floor 1, unit 122, living room, ceiling	5%	5880 ft ²	Yes
2016-1117-H1-1-2	Not analyzed	Building H, floor 1, unit 121, living room, ceiling	Not analyzed		
2016-1117-H1-1-3	Not analyzed	Building H, floor 1, hallway, ceiling	Not analyzed		
2016-1117-H1-1-4	Not analyzed	Building H, floor 1, unit 120, living room, ceiling	Not analyzed		
2016-1117-H1-1-5	Not analyzed	Building H, floor 1, unit 119, living room, ceiling	Not analyzed		
2016-1117-H1-1-6	Not analyzed	Building H, floor 1, unit 118, kitchen, ceiling	Not analyzed		
2016-1117-H1-1-7	Not analyzed	Building H, floor 1, unit 117, hall, ceiling	Not analyzed		

Building H, Floor 1 (Wall)

Sample Number	Material Description by Layer	Location	Asbestos	Quantity**	Friable*
2016-1117-H1-2-1	Drywall with paint	Building H, floor 1, unit 122, bathroom, mid-wall	ND	14950 ft ²	Yes
2016-1117-H1-2-2	Drywall with layered paint	Building H, floor 1, unit 121, foyer, mid-wall	ND		
2016-1117-H1-2-3	1: Wall texture 2: Drywall	Building H, floor 1, storage room, mid-wall	1: 3% 2: ND		
2016-1117-H1-2-4	Not analyzed	Building H, floor 1, unit 120, bathroom, mid-wall	Not analyzed		
2016-1117-H1-2-5	Not analyzed	Building H, floor 1, unit 119, foyer, mid-wall	Not analyzed		
2016-1117-H1-2-6	Not analyzed	Building H, floor 1, unit 118, foyer, mid-wall	Not analyzed		
2016-1117-H1-2-7	Not analyzed	Building H, floor 1, unit 117, bathroom, mid-wall	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.

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5.0 FINDINGS (continued)

Building H, Floor 2 (Ceiling)

Sample Number	Material Description by Layer	Location	Asbestos	Quantity**	Friable*
2016-1117-H2-1-8	Popcorn ceiling texture	Building H, floor 2, unit 217, bedroom 1, ceiling	4%	5980 ft ²	Yes
2016-1117-H2-1-9	Not analyzed	Building H, floor 2, unit 218, foyer, ceiling	Not analyzed		
2016-1117-H2-1-10	Not analyzed	Building H, floor 2, unit 219, living room, ceiling	Not analyzed		
2016-1117-H2-1-11	Not analyzed	Building H, floor 2, unit 220, bedroom, ceiling	Not analyzed		
2016-1117-H2-1-12	Not analyzed	Building H, floor 2, unit 221, bedroom, ceiling	Not analyzed		
2016-1117-H2-1-13	Not analyzed	Building H, floor 2, unit 222, living room, ceiling	Not analyzed		
2016-1117-H2-1-14	Not analyzed	Building H, floor 2, laundry room, ceiling	Not analyzed		

Building H, Floor 2 (Wall)

Sample Number	Material Description by Layer	Location	Asbestos	Quantity**	Friable*
2016-1117-H2-2-8	1: Wall texture 2: Drywall	Building H, floor 2, unit 217, foyer, mid-wall	1: 2% 2: ND	14950 ft ²	Yes
2016-1117-H2-2-9	Not analyzed	Building H, floor 2, unit 218, bathroom, mid-wall	Not analyzed		
2016-1117-H2-2-10	Not analyzed	Building H, floor 2, unit 219, foyer, mid-wall	Not analyzed		
2016-1117-H2-2-11	Not analyzed	Building H, floor 2, unit 220, bathroom, mid-wall	Not analyzed		
2016-1117-H2-2-12	Not analyzed	Building H, floor 2, unit 221, foyer, mid-wall	Not analyzed		
2016-1117-H2-2-13	Not analyzed	Building H, floor 2, unit 222, bathroom, mid-wall	Not analyzed		
2016-1117-H2-2-14	Not analyzed	Building H, floor 2, hallway, mid-wall	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, Floor 3 (Ceiling)

Sample Number	Material Description by Layer	Location	Asbestos	Quantity**	Friable*
2016-1117-H3-1-15	Popcorn ceiling texture	Building H, floor 3, unit 322, bedroom 2, ceiling	ND		
2016-1117-H3-1-16	Popcorn ceiling texture	Building H, floor 3, unit 321, living room, ceiling	ND		
2016-1117-H3-1-17	Popcorn ceiling texture	Building H, floor 3, unit 320, bedroom, ceiling	ND		
2016-1117-H3-1-18	Popcorn ceiling texture	Building H, floor 3, unit 319, living room, ceiling	ND		
2016-1117-H3-1-19	Popcorn ceiling texture	Building H, floor 3, unit 318, hall, ceiling	ND		
2016-1117-H3-1-20	Popcorn ceiling texture	Building H, floor 3, unit 317, bedroom 2, ceiling	ND		
2016-1117-H3-1-21	Popcorn ceiling texture	Building H, floor 3, South stairway, ceiling	ND		

ND None Detected

Building H, Floor 3 (Wall)

Sample Number	Material Description by Layer	Location	Asbestos	Quantity**	Friable*
2016-1117-H3-2-15	1: Wall texture 2: Drywall	Building H, floor 3, unit 322, foyer, mid-wall	1: ND 2: ND	14950 ft ²	Yes
2016-1117-H3-2-16	1: Wall texture 2: Drywall	Building H, floor 3, unit 321, bathroom, mid-wall	1: ND 2: ND		
2016-1117-H3-2-17	Drywall with layered paint	Building H, floor 3, unit 320, bathroom, mid-wall	ND		
2016-1117-H3-2-18	Drywall with layered paint	Building H, floor 3, unit 319, foyer, mid-wall	ND		
2016-1117-H3-2-19	1: Wall texture 2: Drywall	Building H, floor 3, unit 318, bathroom 1, mid-wall	1: ND 2: ND		
2016-1117-H3-2-20	1: Wall texture 2: Drywall	Building H, floor 3, unit 320, bathroom, mid-wall	1: 2% 2: ND		
2016-1117-H3-2-21	Not analyzed	Building H, floor 3, hallway, mid-wall	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.

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5.0 FINDINGS (continued)

Building P, Floor 1 (Ceiling)

Sample Number	Material Description by Layer	Location	Asbestos	Quantity**	Friable*
2016-1117-P1-1-1	Popcorn ceiling texture	Building P, floor 1, unit 131, kitchen, ceiling	3%	5880 ft ²	Yes
2016-1117-P1-1-2	Not analyzed	Building P, floor 1, unit 132, bedroom 1, ceiling	Not analyzed		
2016-1117-P1-1-3	Not analyzed	Building P, floor 1, unit 133, living room, ceiling	Not analyzed		
2016-1117-P1-1-4	Not analyzed	Building P, floor 1, unit 134, bedroom 2, ceiling	Not analyzed		
2016-1117-P1-1-5	Not analyzed	Building P, floor 1, unit 135, bedroom 2, ceiling	Not analyzed		
2016-1117-P1-1-6	Not analyzed	Building P, floor 1, unit 136, kitchen, ceiling	Not analyzed		
2016-1117-P1-1-7	Not analyzed	Building P, floor 1, hallway, ceiling	Not analyzed		

Building P, Floor 1 (Wall)

Sample Number	Material Description by Layer	Location	Asbestos	Quantity**	Friable*
2016-1117-P1-2-1	1: Wall texture 2: Drywall	Building P, floor 1, unit 131, foyer, mid-wall	1: 2% 2: ND	14950 ft ²	Yes
2016-1117-P1-2-2	Not analyzed	Building P, floor 1, unit 132, bathroom 1, mid-wall	Not analyzed		
2016-1117-P1-2-3	Not analyzed	Building P, floor 1, unit 133, foyer, mid-wall	Not analyzed		
2016-1117-P1-2-4	Not analyzed	Building P, floor 1, unit 134, kitchen, mid-wall	Not analyzed		
2016-1117-P1-2-5	Not analyzed	Building P, floor 1, unit 135, bathroom 1, mid-wall	Not analyzed		
2016-1117-P1-2-6	Not analyzed	Building P, floor 1, unit 136, foyer, mid-wall	Not analyzed		
2016-1117-P1-2-7	Not analyzed	Building P, floor 1, hallway, mid-wall	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.

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5.0 FINDINGS (continued)

Building P, Floor 2 (Ceiling)

Sample Number	Material Description by Layer	Location	Asbestos	Quantity**	Friable*
2016-1117-P2-1-8	Popcorn ceiling texture	Building P, floor 2, unit 236, hall, ceiling	3%	5980 ft ²	Yes
2016-1117-P2-1-9	Not analyzed	Building P, floor 2, unit 235, kitchen, ceiling	Not analyzed		
2016-1117-P2-1-10	Not analyzed	Building P, floor 2, unit 234, bedroom, ceiling	Not analyzed		
2016-1117-P2-1-11	Not analyzed	Building P, floor 2, unit 233, bedroom, ceiling	Not analyzed		
2016-1117-P2-1-12	Not analyzed	Building P, floor 2, unit 232, living room, ceiling	Not analyzed		
2016-1117-P2-1-13	Not analyzed	Building P, floor 2, unit 231, kitchen, ceiling	Not analyzed		
2016-1117-P2-1-14	Not analyzed	Building P, floor 2, hallway, ceiling	Not analyzed		

Building P, Floor 2 (Wall)

Sample Number	Material Description by Layer	Location	Asbestos	Quantity**	Friable*
2016-1117-P2-2-8	1: Wall texture 2: Drywall	Building P, floor 2, unit 236, foyer, mid-wall	1: 2% 2: ND	14950 ft ²	Yes
2016-1117-P2-2-9	Not analyzed	Building P, floor 2, unit 235, bedroom 1, mid-wall	Not analyzed		
2016-1117-P2-2-10	Not analyzed	Building P, floor 2, unit 234, hall, mid-wall	Not analyzed		
2016-1117-P2-2-11	Not analyzed	Building P, floor 2, unit 233, bathroom, mid-wall	Not analyzed		
2016-1117-P2-2-12	Not analyzed	Building P, floor 2, unit 232, hall, mid-wall	Not analyzed		
2016-1117-P2-2-13	Not analyzed	Building P, floor 2, unit 231, foyer, mid-wall	Not analyzed		
2016-1117-P2-2-14	Not analyzed	Building P, floor 2, North stairway, mid-wall	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 P, Floor 3 (Ceiling)

Sample Number	Material Description by Layer	Location	Asbestos	Quantity**	Friable*
2016-1117-P3-1-15	Popcorn ceiling texture	Building P, floor 3, unit 331, bedroom 1, ceiling	3%	5880 ft ²	Yes
2016-1117-P3-1-16	Not analyzed	Building P, floor 3, unit 332, kitchen, ceiling	Not analyzed		
2016-1117-P3-1-17	Not analyzed	Building P, floor 3, unit 333, living room, ceiling	Not analyzed		
2016-1117-P3-1-18	Not analyzed	Building P, floor 3, unit 334, bedroom 1, ceiling	Not analyzed		
2016-1117-P3-1-19	Not analyzed	Building P, floor 3, unit 335, hall, ceiling	Not analyzed		
2016-1117-P3-1-20	Not analyzed	Building P, floor 3, unit 336, bedroom 2, ceiling	Not analyzed		
2016-1117-P3-1-21	Not analyzed	Building P, floor 3, hallway, ceiling	Not analyzed		

Building P, Floor 3 (Wall)

Sample Number	Material Description by Layer	Location	Asbestos	Quantity**	Friable*
2016-1117-P3-2-15	1: Wall texture 2: Drywall	Building P, floor 3, unit 331, kitchen, mid-wall	1: 2% 2: ND	14950 ft ²	Yes
2016-1117-P3-2-16	Not analyzed	Building P, floor 3, unit 332, foyer, mid-wall	Not analyzed		
2016-1117-P3-2-17	Not analyzed	Building P, floor 3, unit 333, kitchen, mid-wall	Not analyzed		
2016-1117-P3-2-18	Not analyzed	Building P, floor 3, unit 334, bathroom, mid-wall	Not analyzed		
2016-1117-P3-2-19	Not analyzed	Building P, floor 3, unit 335, bathroom, mid-wall	Not analyzed		
2016-1117-P3-2-20	Not analyzed	Building P, floor 3, unit 336, foyer, mid-wall	Not analyzed		
2016-1117-P3-2-21	Not analyzed	Building P, floor 3, hallway, mid-wall	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.

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5.0 FINDINGS (continued)

Building M, Floor 1 (Ceiling)

Sample Number	Material Description by Layer	Location	Asbestos	Quantity**	Friable*
2016-1117-M1-1-1	Popcorn ceiling texture	Building M, floor 1, hallway, ceiling	5%	3845 ft ²	Yes
2016-1117-M1-1-2	Not analyzed	Building M, floor 1, hallway, ceiling	Not analyzed		
2016-1117-M1-1-3	Not analyzed	Building M, floor 1, hallway, ceiling	Not analyzed		
2016-1117-M1-1-4	Not analyzed	Building M, floor 1, unit 130, hall, ceiling	Not analyzed		
2016-1117-M1-1-5	Not analyzed	Building M, floor 1, unit 129, living room, ceiling	Not analyzed		
2016-1117-M1-1-6	Not analyzed	Building M, floor 1, unit 128, living room, ceiling	Not analyzed		
2016-1117-M1-1-7	Not analyzed	Building M, floor 1, unit 127, foyer, ceiling	Not analyzed		

Building M, Floor 1 (Wall)

Sample Number	Material Description by Layer	Location	Asbestos	Quantity**	Friable*
2016-1117-M1-2-1	1: Wall texture 2: Drywall	Building M, floor 1, hallway, mid-wall	1: 2% 2: ND	9865 ft ²	Yes
2016-1117-M1-2-2	Not analyzed	Building M, floor 1, hallway, mid-wall	Not analyzed		
2016-1117-M1-2-3	Not analyzed	Building M, floor 1, South stairway, mid-wall	Not analyzed		
2016-1117-M1-2-4	Not analyzed	Building M, floor 1, unit 130, foyer, mid-wall	Not analyzed		
2016-1117-M1-2-5	Not analyzed	Building M, floor 1, unit 129, bedroom, mid-wall	Not analyzed		
2016-1117-M1-2-6	Not analyzed	Building M, floor 1, unit 128, foyer, mid-wall	Not analyzed		
2016-1117-M1-2-7	Not analyzed	Building M, floor 1, unit 127, bedroom 2, mid-wall	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 M, Floor 2 (Ceiling)

Sample Number	Material Description by Layer	Location	Asbestos	Quantity**	Friable*
2016-1117-M2-1-8	Popcorn ceiling texture	Building M, floor 2, hallway, ceiling	5%	3945 ft ²	Yes
2016-1117-M2-1-9	Not analyzed	Building M, floor 2, laundry room, ceiling	Not analyzed		
2016-1117-M2-1-10	Not analyzed	Building M, floor 2, hallway, ceiling	Not analyzed		
2016-1117-M2-1-11	Not analyzed	Building M, floor 2, unit 227, bedroom 1, ceiling	Not analyzed		
2016-1117-M2-1-12	Not analyzed	Building M, floor 2, unit 228, bedroom, ceiling	Not analyzed		
2016-1117-M2-1-13	Not analyzed	Building M, floor 2, unit 229, living room, ceiling	Not analyzed		
2016-1117-M2-1-14	Not analyzed	Building M, floor 2, unit 230, living room, ceiling	Not analyzed		

Building M, Floor 2 (Wall)

Sample Number	Material Description by Layer	Location	Asbestos	Quantity**	Friable*
2016-1117-M2-2-8	1: Wall texture 2: Drywall	Building M, floor 2, North stairway, mid-wall	1: 2% 2: ND	9865 ft ²	Yes
2016-1117-M2-2-9	Not analyzed	Building M, floor 2, Laundry room, mid-wall	Not analyzed		
2016-1117-M2-2-10	Not analyzed	Building M, floor 2, hallway, mid-wall	Not analyzed		
2016-1117-M2-2-11	Not analyzed	Building M, floor 2, unit 227, bathroom 1, mid-wall	Not analyzed		
2016-1117-M2-2-12	Not analyzed	Building M, floor 2, unit 228, bathroom, mid-wall	Not analyzed		
2016-1117-M2-2-13	Not analyzed	Building M, floor 2, unit 229, kitchen, mid-wall	Not analyzed		
2016-1117-M2-2-14	Not analyzed	Building M, floor 2, unit 230, foyer, mid-wall	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 M, Floor 3 (Ceiling)

Sample Number	Material Description by Layer	Location	Asbestos	Quantity**	Friable*
2016-1117-M3-1-15	Popcorn ceiling texture	Building M, floor 3, North stairway, ceiling	6%	3845 ft ²	Yes
2016-1117-M3-1-16	Not analyzed	Building M, floor 3, hallway, ceiling	Not analyzed		
2016-1117-M3-1-17	Not analyzed	Building M, floor 3, hallway, ceiling	Not analyzed		
2016-1117-M3-1-18	Not analyzed	Building M, floor 3, unit 330, bedroom 1, ceiling	Not analyzed		
2016-1117-M3-1-19	Not analyzed	Building M, floor 3, unit 329, hall, ceiling	Not analyzed		
2016-1117-M3-1-20	Not analyzed	Building M, floor 3, unit 328, bedroom, ceiling	Not analyzed		
2016-1117-M3-1-21	Not analyzed	Building M, floor 3, unit 327, bedroom 1, ceiling	Not analyzed		

Building M, Floor 3 (Wall)

Sample Number	Material Description by Layer	Location	Asbestos	Quantity**	Friable*
2016-1117-M3-2-15	1: Wall texture 2: Drywall	Building M, floor 3, North stairway, mid-wall	1: 3% 2: ND	9865 ft ²	Yes
2016-1117-M3-2-16	Not analyzed	Building M, floor 3, hallway, mid-wall	Not analyzed		
2016-1117-M3-2-17	Not analyzed	Building M, floor 3, South stairway, mid-wall	Not analyzed		
2016-1117-M3-2-18	Not analyzed	Building M, floor 3, unit 330, bathroom 1, mid-wall	Not analyzed		
2016-1117-M3-2-19	Not analyzed	Building M, floor 3, unit 329, bathroom, mid-wall	Not analyzed		
2016-1117-M3-2-20	Not analyzed	Building M, floor 3, unit 328, kitchen, mid-wall	Not analyzed		
2016-1117-M3-2-21	Not analyzed	Building M, floor 3, unit 327, bathroom 2, mid-wall	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.

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 Cascadian Apartments, located at 15517 NE 12th Street, Bellevue, WA 98007.

Building K

1. Popcorn ceiling texture (Friable)

Sample numbers: 2016-1117-K1-1-1 to K3-1-21



There is approximately 11,635 square feet of asbestos containing popcorn ceiling texture located on all floors/units of building K.

2. Drywall texture (Friable)

Sample numbers: 2016-1117-K1-2-1 to K3-2-21



There is approximately 29,595 square feet of asbestos containing drywall texture located on the walls of all the floors/units of building K.

Building H

3. Popcorn ceiling texture (Friable)

Sample numbers: 2016-1117-H1-1-1 to H2-1-14



There is approximately 11,860 square feet of asbestos containing popcorn ceiling texture located on the first and second floor of building H.

The popcorn ceiling on the third floor of building H however is non-asbestos containing.

6.0 CONCLUSIONS AND RECOMMENDATIONS (continued)

4. Drywall texture (Friable)

Sample numbers: 2016-1117-H1-2-1 to H3-2-21



There is approximately 44,100 square feet of asbestos containing drywall texture located on all the floors of building H.

Building P

5. Popcorn ceiling texture (Friable)

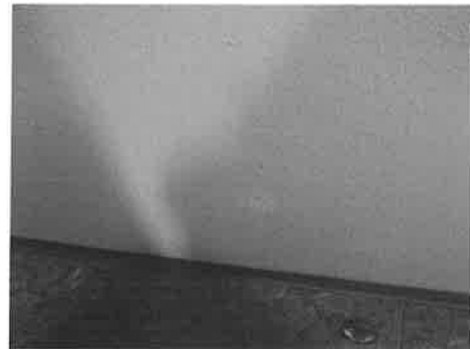
Sample numbers: 2016-1117-P1-1-1 to P3-1-21



There is approximately 17,740 square feet of asbestos containing popcorn ceiling texture on all the floors of building P.

6. Drywall texture (Friable)

Sample numbers: 2016-1117-P1-2-1 to P3-2-21



There is approximately 44,850 square feet of asbestos containing drywall texture on all the floors of building P.

6.0 CONCLUSIONS AND RECOMMENDATIONS (continued)

Building M

7. Popcorn ceiling texture (Friable)

Sample numbers: 2016-1117-M1-1-1 to M3-1-21



There is approximately 11,635 square feet of asbestos containing popcorn ceiling texture on the all the floors of building M.

8. Drywall texture (Friable)

Sample numbers: 2016-1117-M1-2-1 to M3-2-7



There is approximately 29,595 square feet of asbestos containing drywall texture on all the floors of building M.

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.

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

1. A copy of this inspection report should be maintained at the project site during demolition.

2. A copy of this inspection report should be provided to the General Contractor and any Sub Contractors working on the project.
3. A licensed asbestos abatement contractor must be utilized to remove any asbestos-containing materials that will be impacted by the planned demolition.

7.0 LIMITATIONS OF SURVEY

The sole purpose of this Limited Good Faith Asbestos Inspection report is to document asbestos-containing building materials discovered at the Cascadian Apartments located at 15517 NE 12th Street, Bellevue, WA 98007

The purpose of this inspection was to identify all suspect asbestos-containing building materials which would be impacted by the planned renovations. **As per the client (Hugh Watkinson) onsite, these renovations include plumbing and fixture upgrades in four buildings that will disturb wall/ceiling systems.** Due to occupancy, destructive sampling methods were not utilized to collect samples of suspect building materials. No soft/limited demolition was performed during this inspection. Please note that 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: #159360
Expiration Date: October 19, 2017

Reviewed By



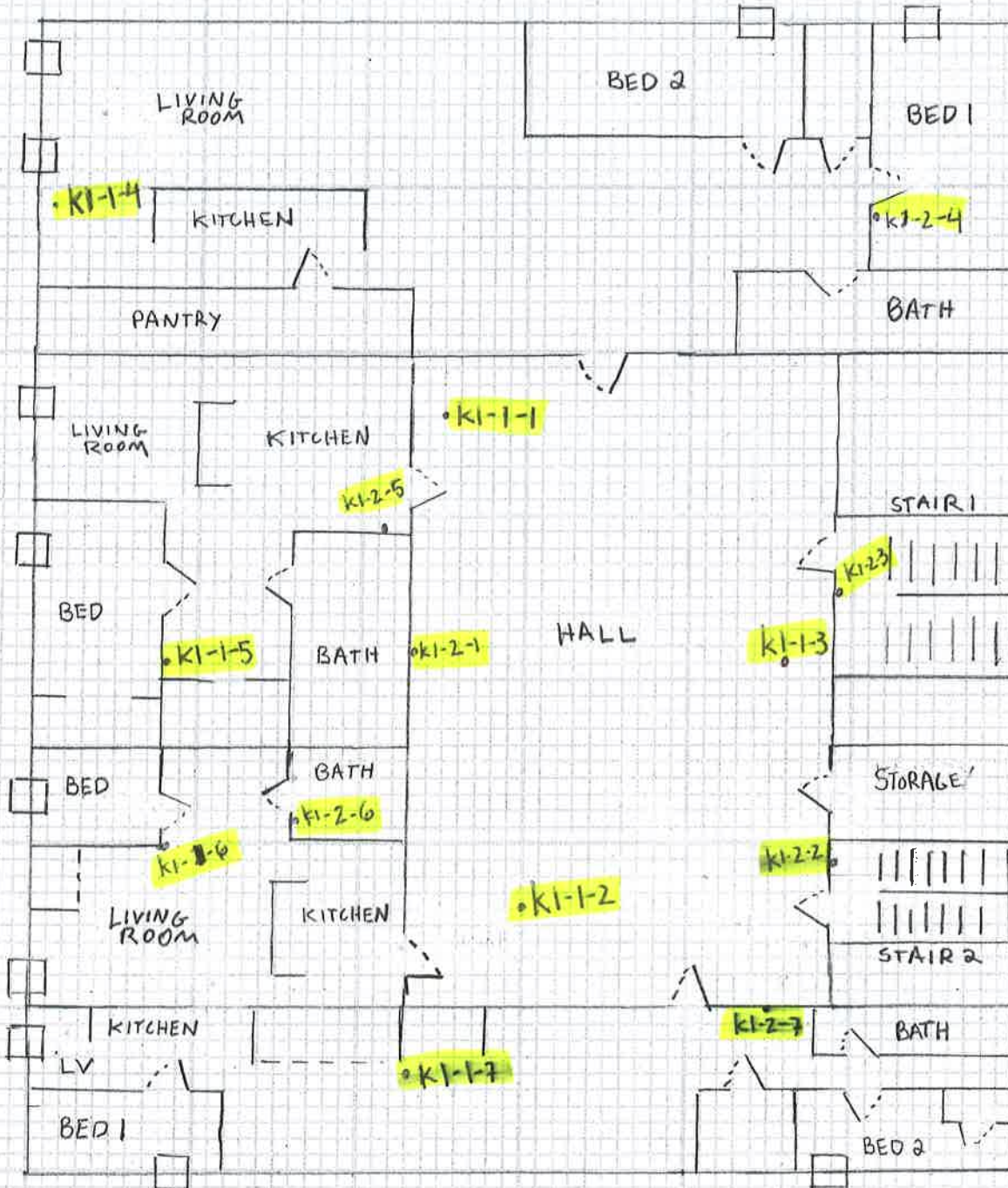
Syed Hasan
Manager Field Services
AHERA Certification: # 159150
Expiration Date: October 5, 2017



Appendix A

Sample Locations (Floor Plan)

**BUILDING K
FLOOR 1**



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SERVICES

NVL Project # 2016-1117

Client King County Housing Authority - Hugh

Page 2 of 12

Location "Cascadian Apartments" 15517 NE 12th St

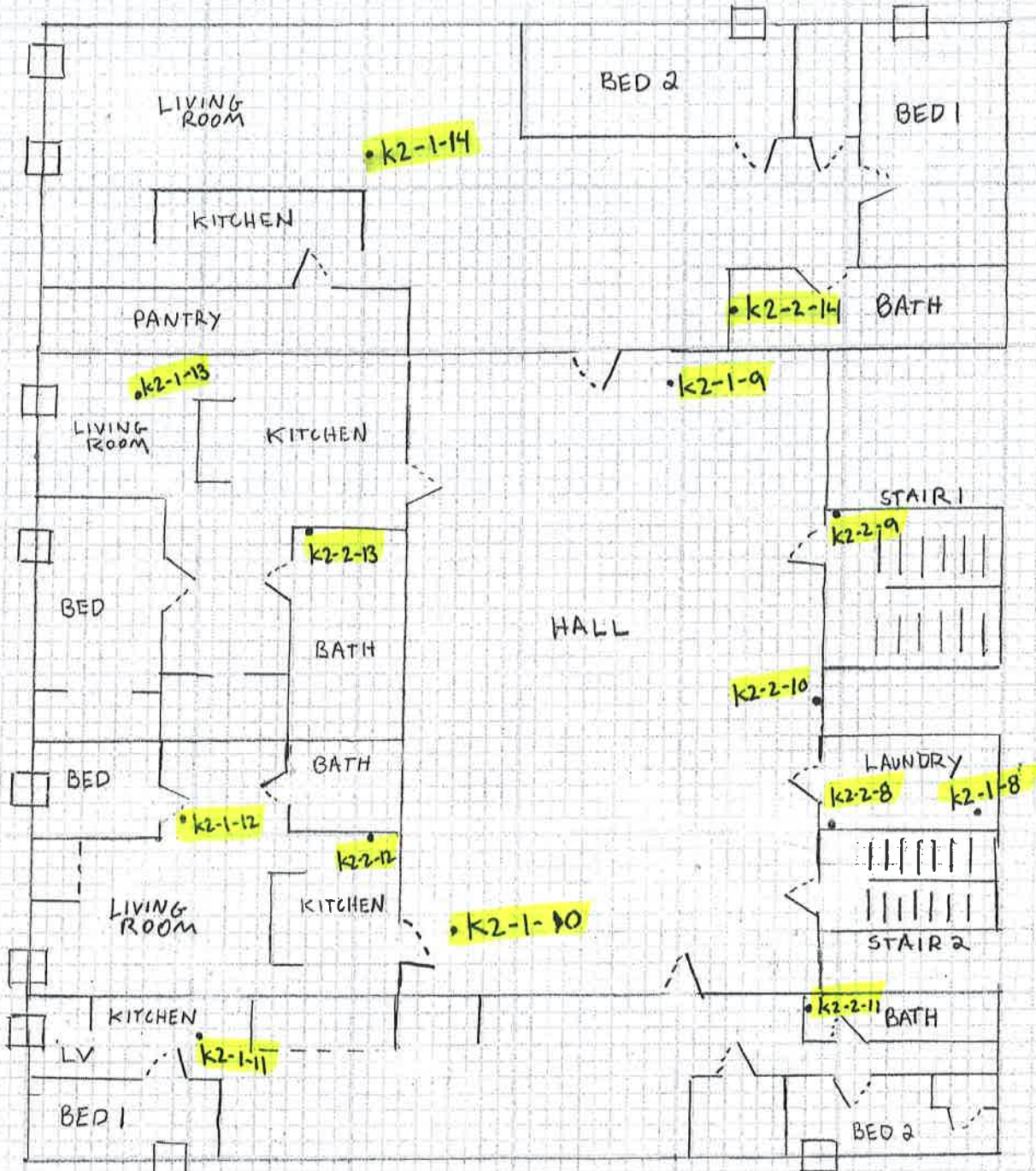
Date 1/9/2017

City Bellevue

Made by Derrick Gallard

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BUILDING K FLOOR 2



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NVL Project # 2016-1117

Client King County Housing Authority - Hugh

Location "Cascadian Apartments" 15517 NE 12th St

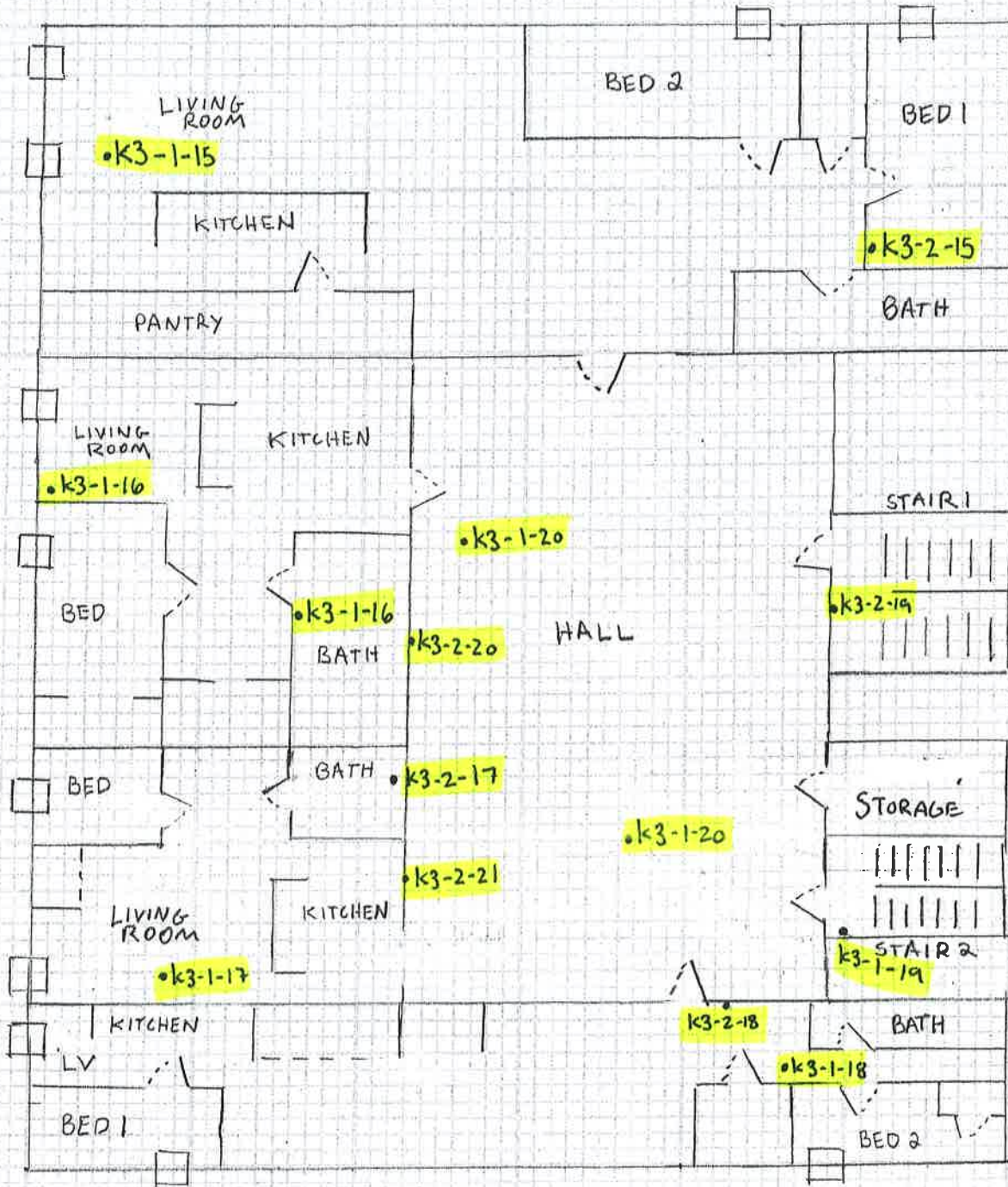
City Bellevue

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BUILDING K FLOOR 3



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NVL Project # 2016-1117

Client King County Housing Authority - Hugh

Location "Cascadian Apartments" 15517 NE 12th St

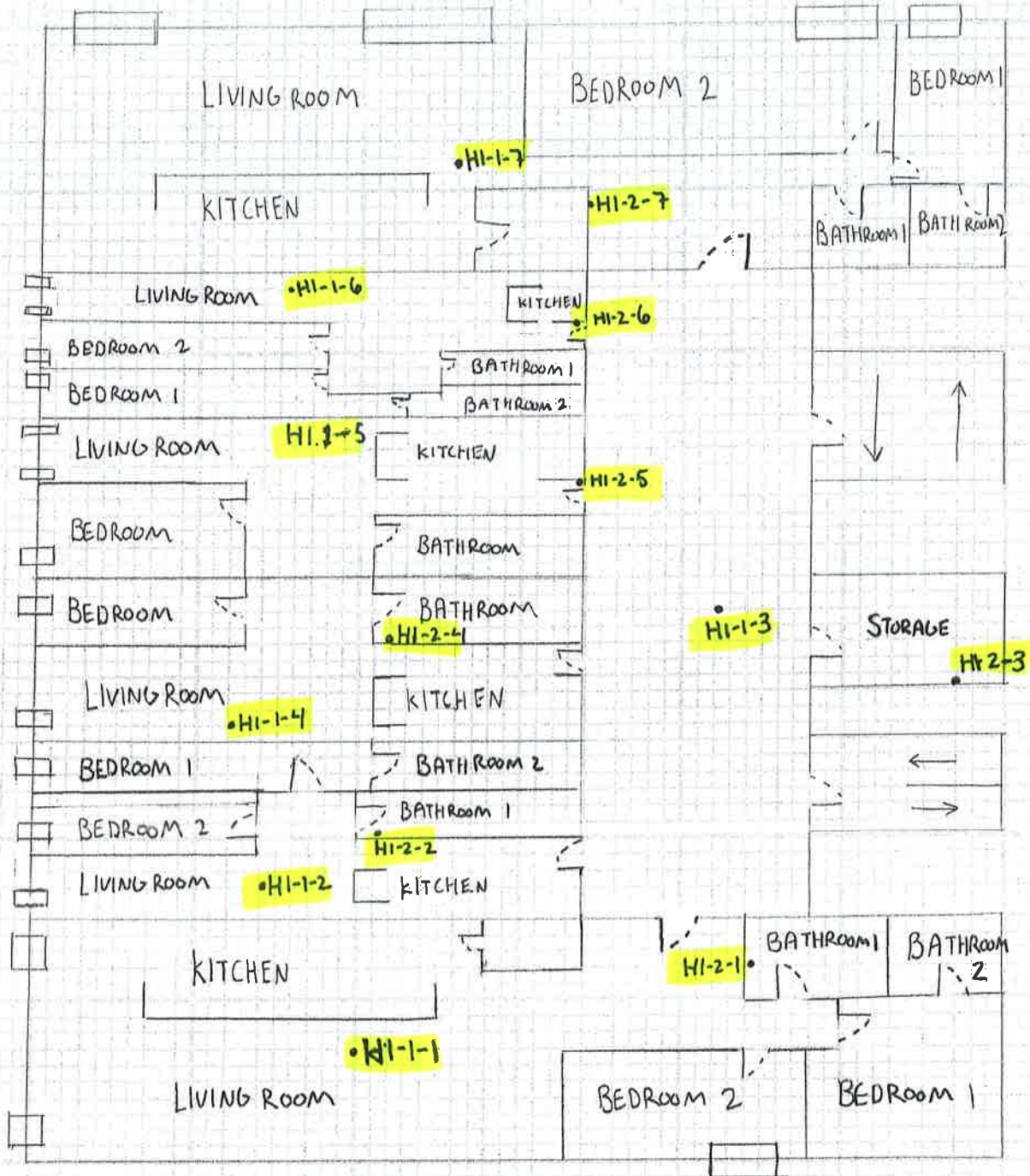
City Bellevue

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Date 1/9/2017

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BUILDING H
FLOOR 1



(NOT TO SCALE)



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NVL Project # 2016-1117

Client King County Housing Authority - Hugh

Location "Cascadian Apartments" 15517 NE 12th St

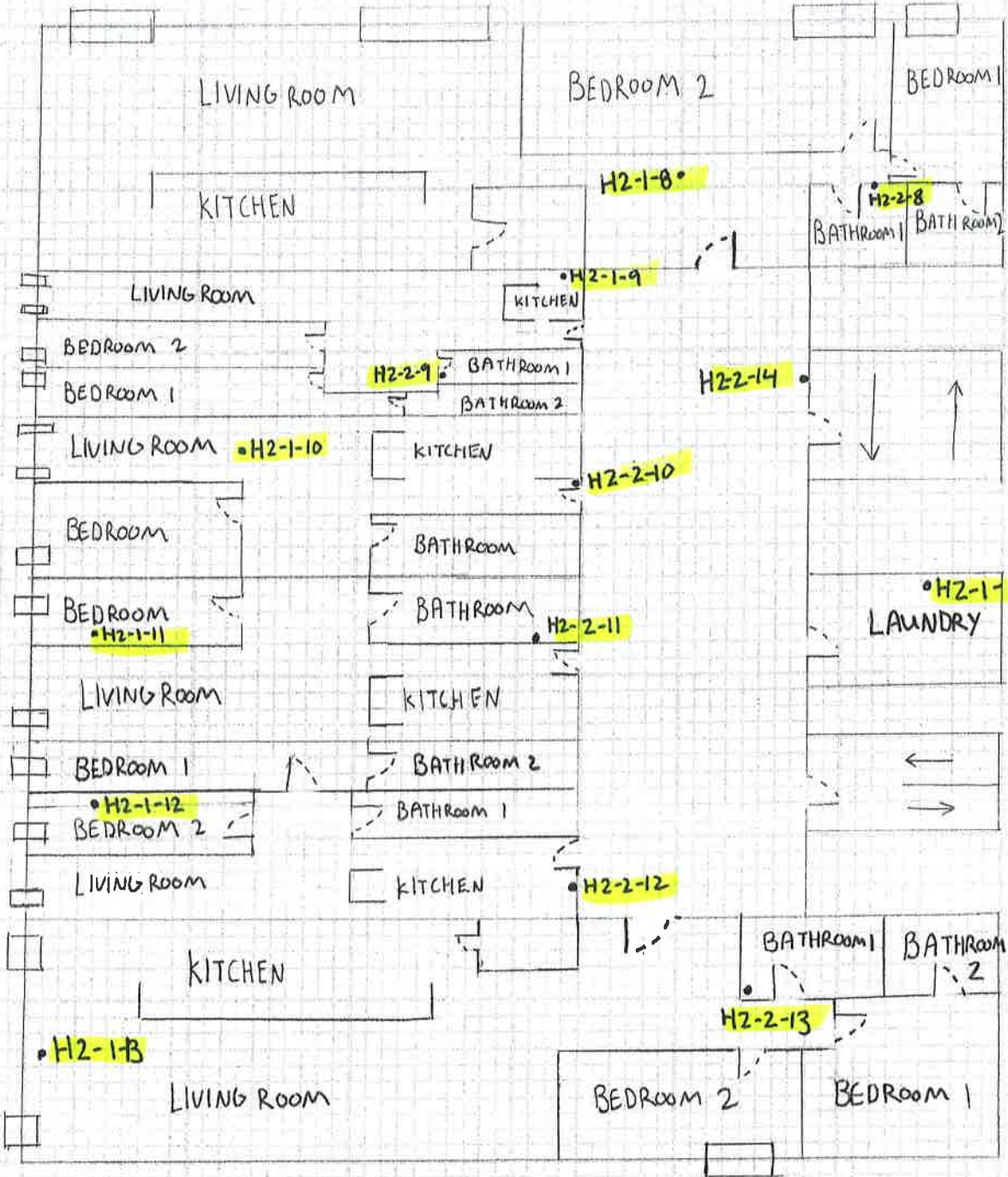
City Bellevue

Page 5 of 12

Date 1/9/2017

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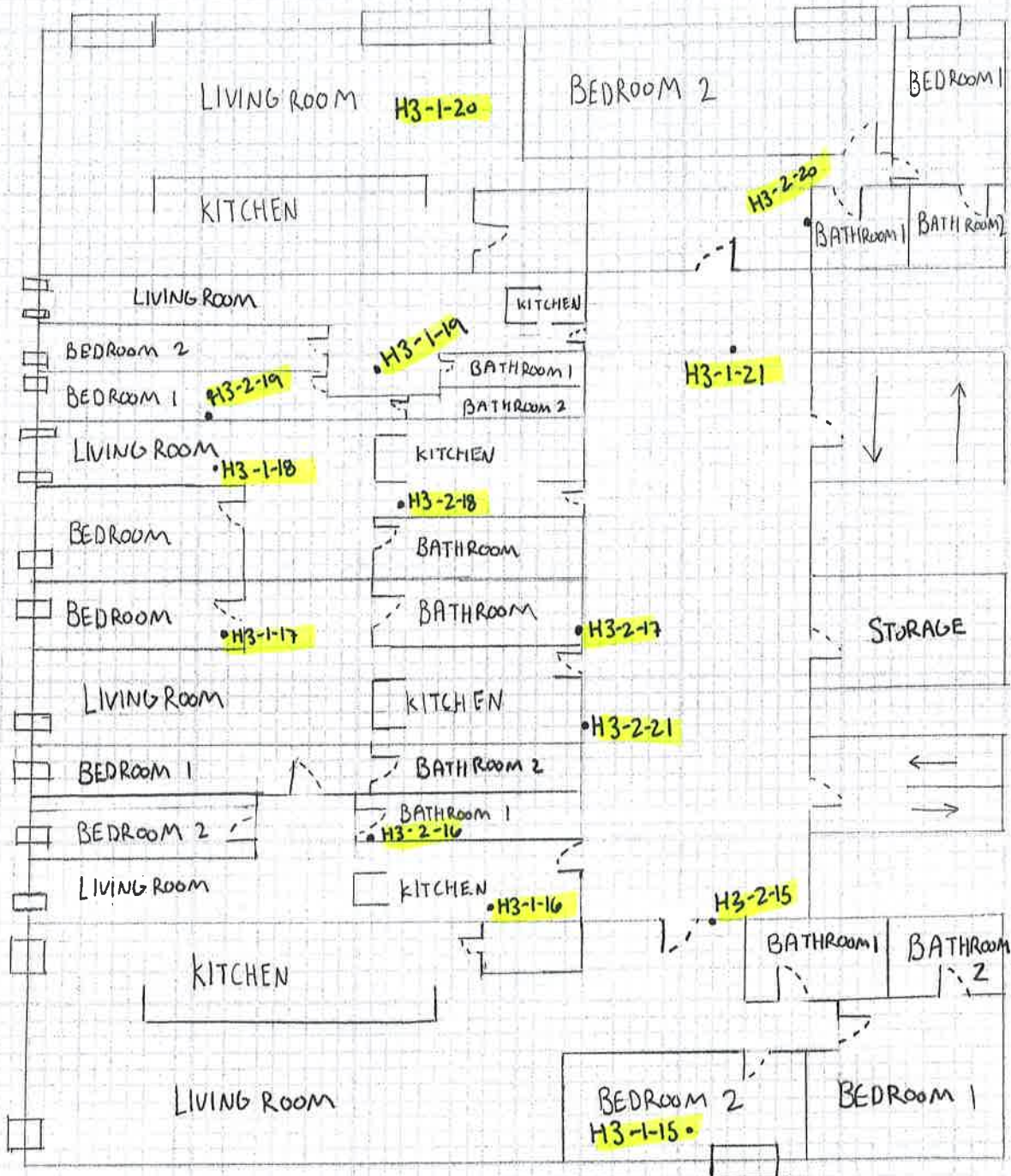
BUILDING H
FLOOR 2



(NOT TO SCALE)

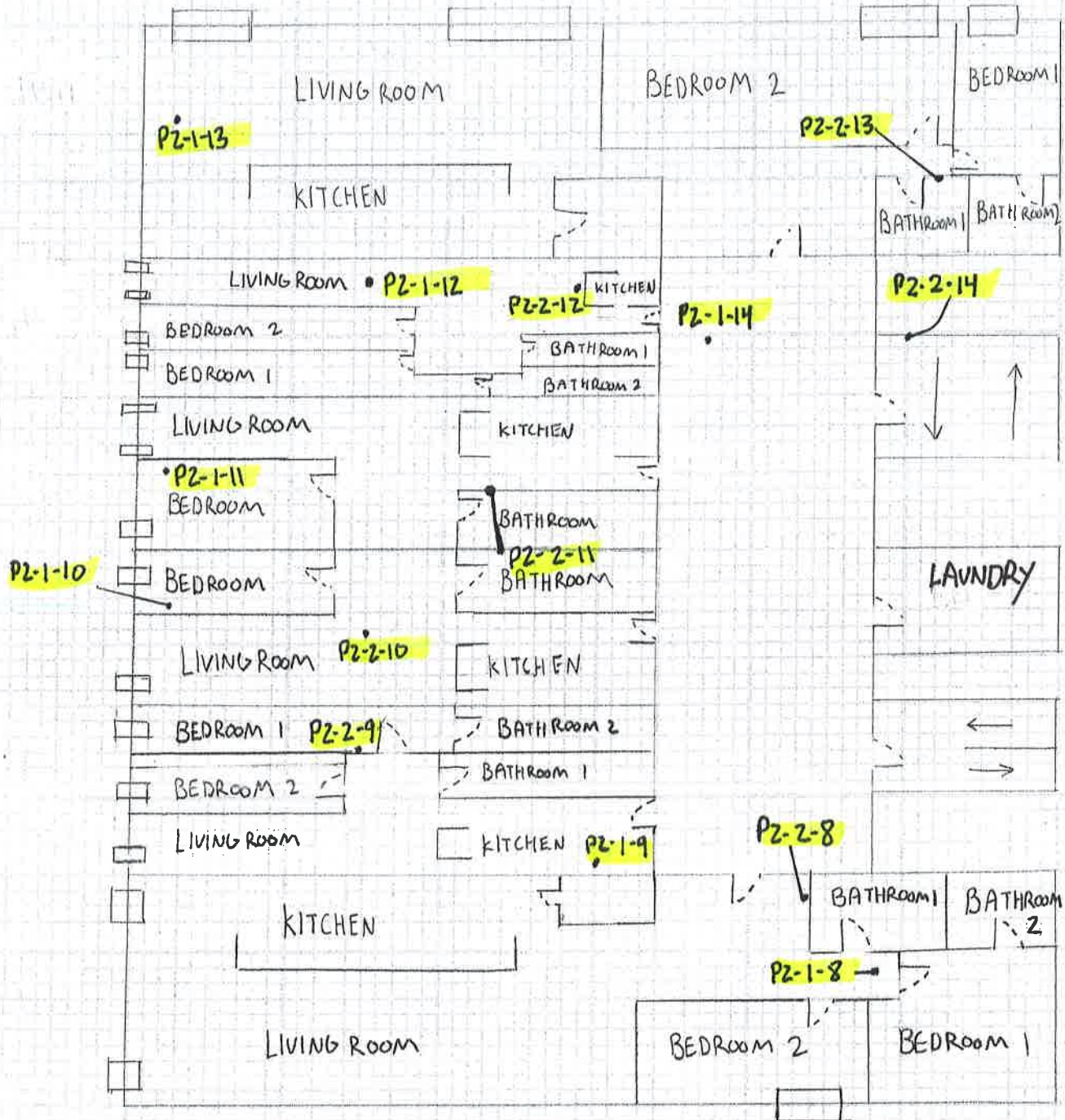


BUILDING H
FLOOR 3



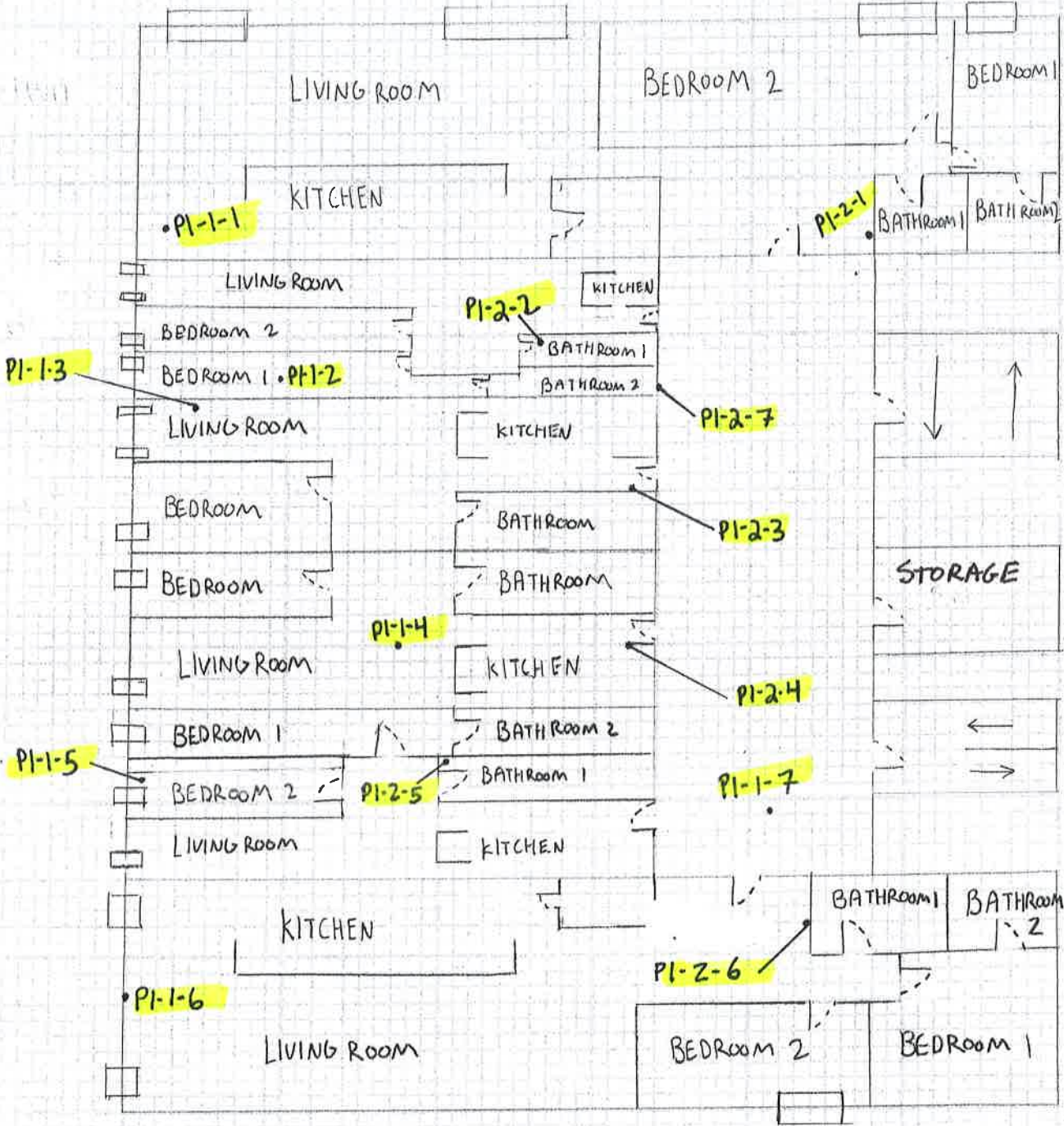
(NOT TO SCALE)

BUILDING P
FLOOR 2



(NOT TO SCALE)

BUILDING P
 FLOOR 1



(NOT TO SCALE)



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Client King County Housing Authority - Hugh

Location "Cascadian Apartments" 15517 NE 12th St

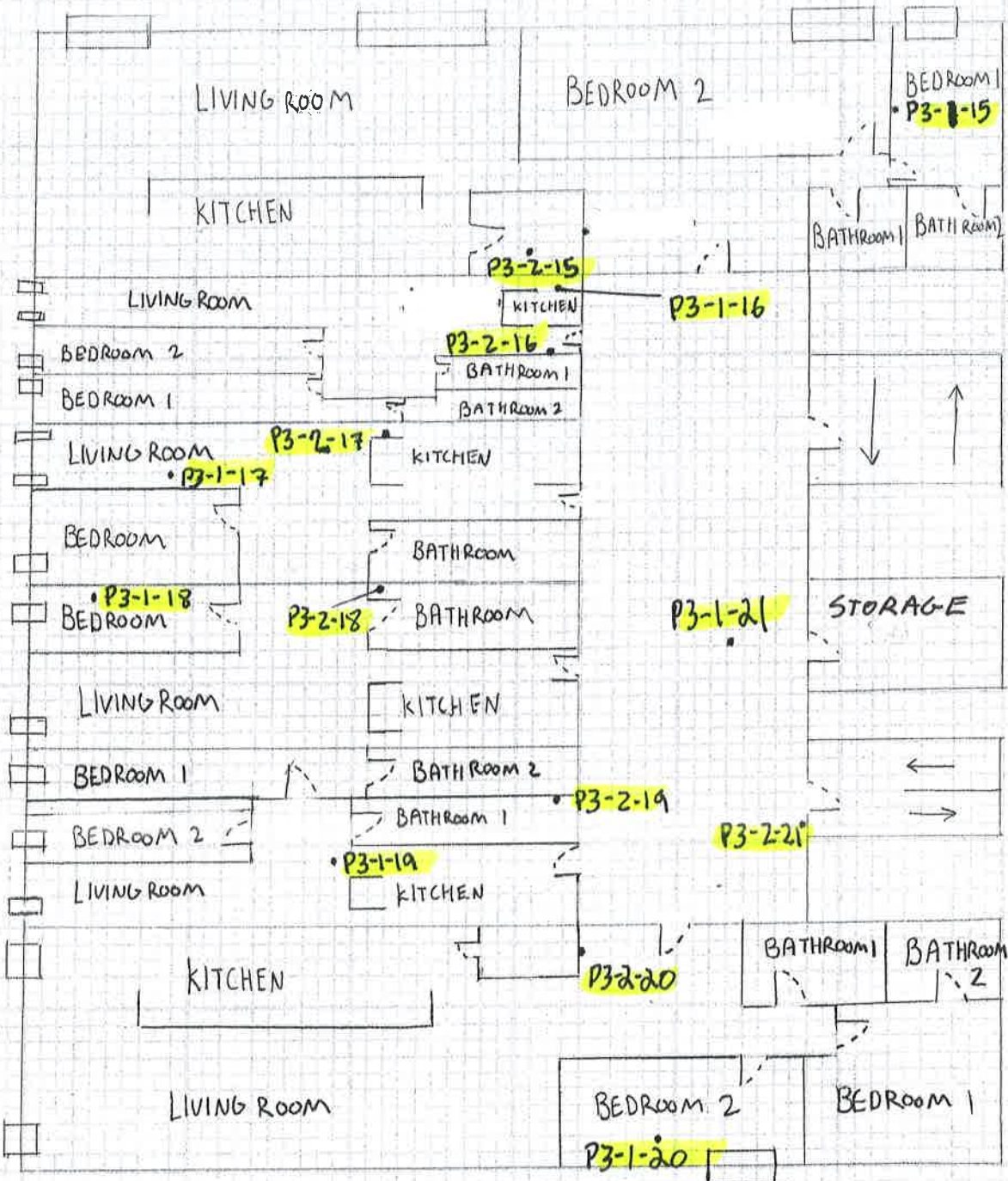
City Bellevue

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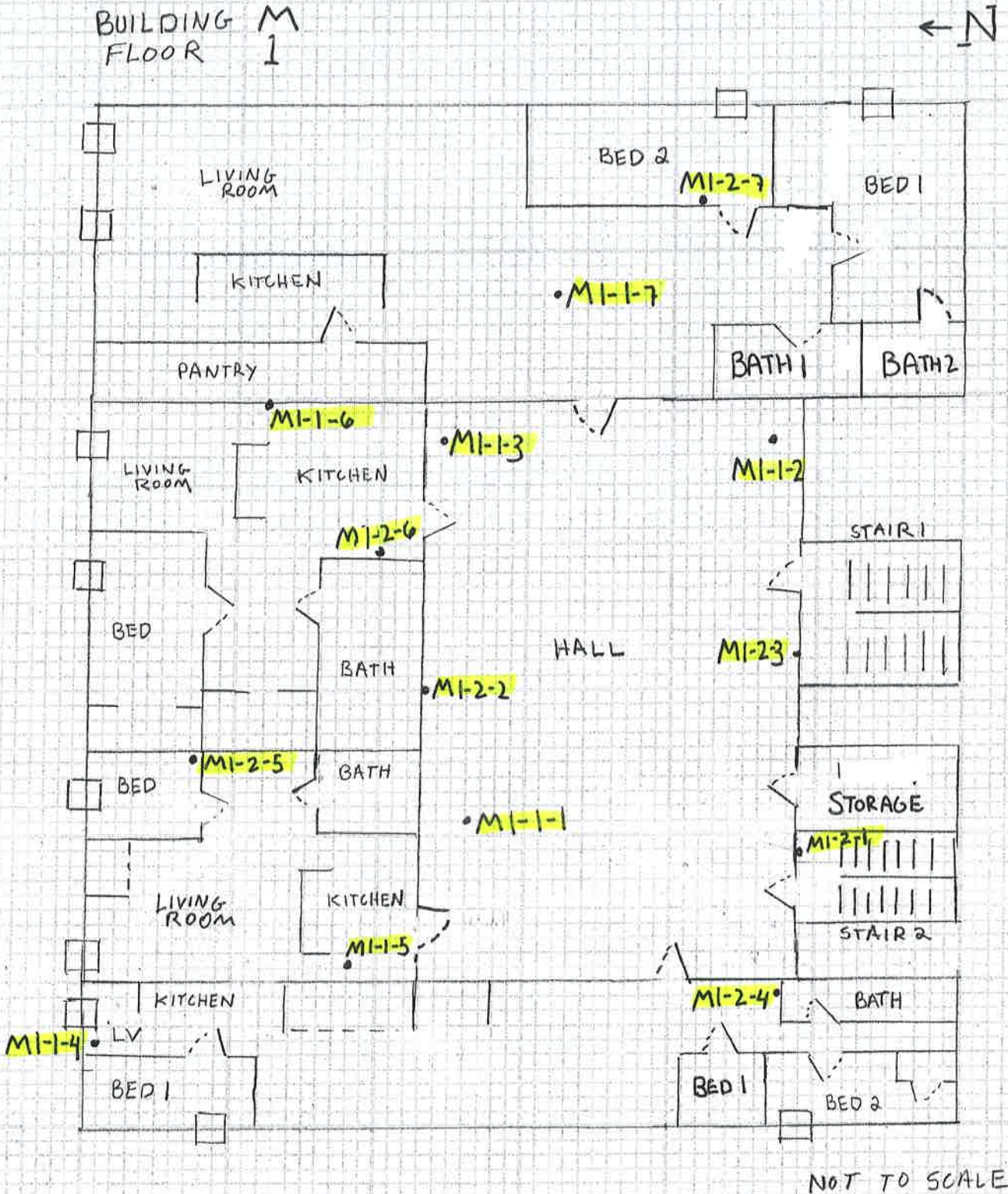
Date 1/9/2017

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BUILDING P
FLOOR 3



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NVL Project # 2016-1117

Client King County Housing Authority - Hugh

Location "Cascadian Apartments" 15517 NE 12th St

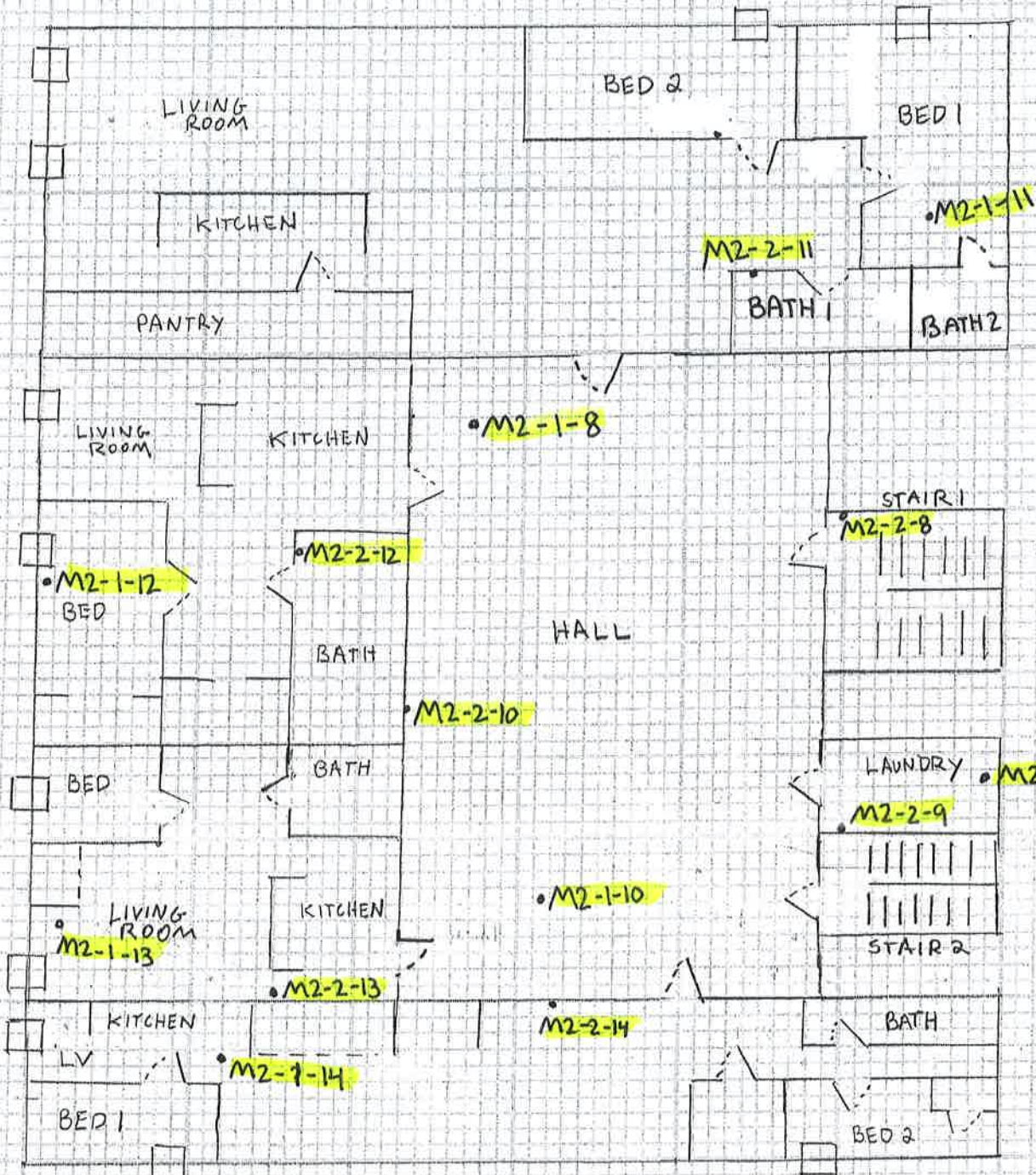
City Bellevue

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Date 1/9/2017

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BUILDING M FLOOR 2



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NVL Project # 2016-1117

Client King County Housing Authority - Hugh

Location "Cascadian Apartments" 15517 NE 12th St

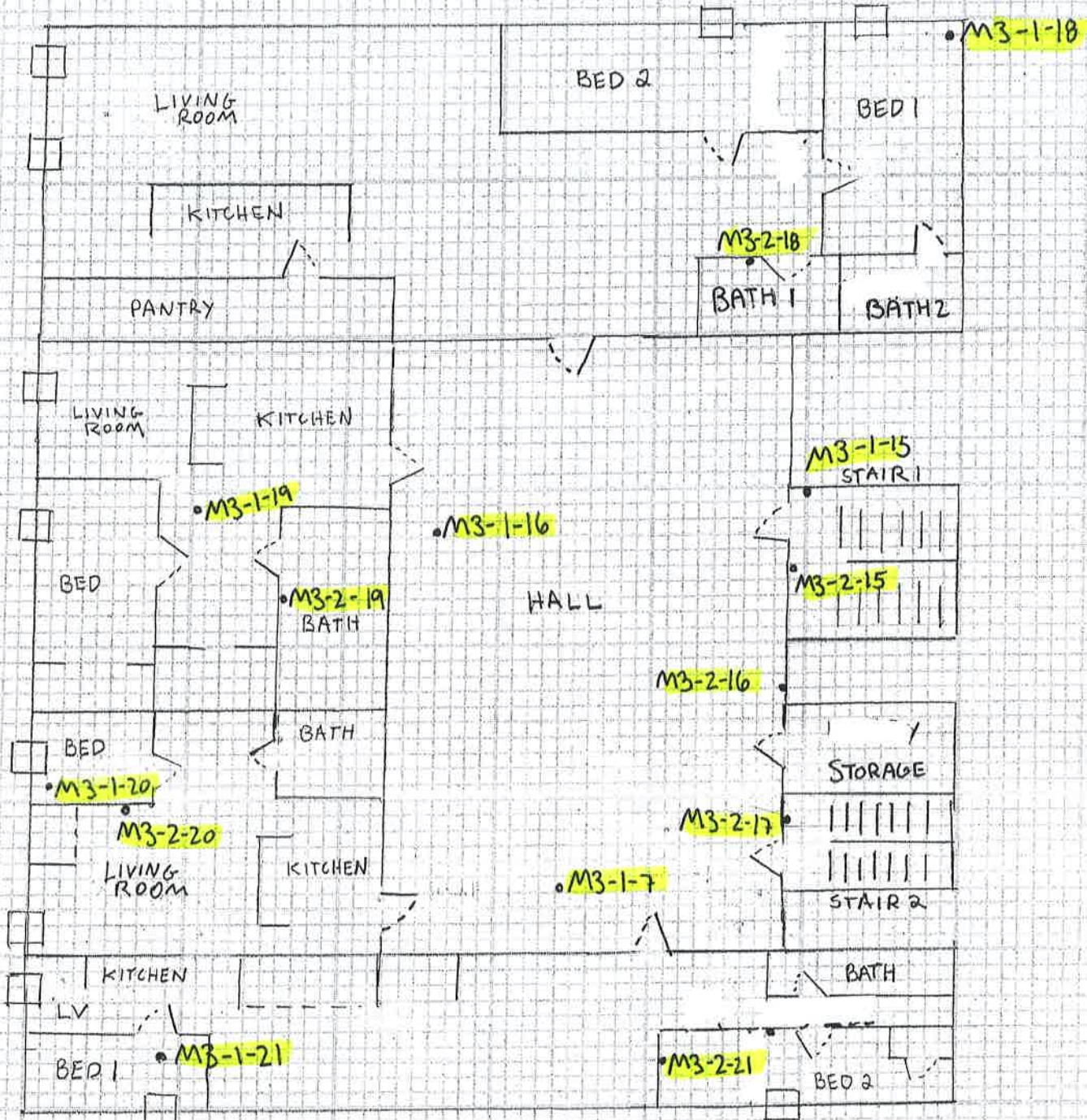
City Bellevue

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Date 1/9/2017

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BUILDING M
FLOOR 3



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Appendix B

Laboratory Analysis Results

January 10, 2017

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



Laboratory | Management | Training

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 1700440.00

Client Project: 2016-1117

Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007 (Bldg. K-1)

Dear Mr. Gallard,

Enclosed please find test results for the 42 sample(s) submitted to our laboratory for analysis on 1/9/2017.

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,


Lori Tseng, Laboratory Analyst



Lab Code: 102063-0

1.888.NVL.LABS Enc.: Sample Results
1.888.(685.5227)
www.nvllabs.com

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

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

Batch #: 1700440.00
Client Project #: 2016-1117
Date Received: 1/9/2017
Samples Received: 42
Samples Analyzed: 7
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard
Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007
(Bldg. K-1)

Lab ID: 17002177 **Client Sample #: 2017-1117-K1-1-1**
Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007 (Bldg. K-1)

Layer 1 of 1 **Description:** White lumpy material with paint
Non-Fibrous Materials: Other Fibrous Materials:% **Asbestos Type: %**
Calcareous binder, Mica, Paint Cellulose 4% **Chrysotile 5%**

Lab ID: 17002178 **Client Sample #: 2017-1117-K1-1-2** **Sample Status:** **Not Analyzed**

Lab ID: 17002179 **Client Sample #: 2017-1117-K1-1-3** **Sample Status:** **Not Analyzed**

Lab ID: 17002180 **Client Sample #: 2017-1117-K1-1-4** **Sample Status:** **Not Analyzed**

Lab ID: 17002181 **Client Sample #: 2017-1117-K1-1-5** **Sample Status:** **Not Analyzed**

Lab ID: 17002182 **Client Sample #: 2017-1117-K1-1-6** **Sample Status:** **Not Analyzed**

Lab ID: 17002183 **Client Sample #: 2017-1117-K1-1-7** **Sample Status:** **Not Analyzed**

Lab ID: 17002184 **Client Sample #: 2017-1117-K1-2-1**
Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007 (Bldg. K-1)

Layer 1 of 2 **Description:** White compacted powdery material with paint
Non-Fibrous Materials: Other Fibrous Materials:% **Asbestos Type: %**
Calcareous particles, Calcareous binder, Paint Cellulose 4% **Chrysotile 3%**

Sampled by: Client
Analyzed by: Jacob Laugeson **Date:** 01/10/2017
Reviewed by: Lori Tseng **Date:** 01/10/2017 *Lori Tseng*
Lori Tseng, Laboratory Analyst

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

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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 #: 1700440.00
Client Project #: 2016-1117
Date Received: 1/9/2017
Samples Received: 42
Samples Analyzed: 7
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007
(Bldg. K-1)

Layer	Description	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Layer 2 of 2	White chalky material with paper	Gypsum/Binder, Binder/Filler	Cellulose 29%	None Detected ND
Lab ID: 17002185	Client Sample #: 2017-1117-K1-2-2		Sample Status:	Not Analyzed
Lab ID: 17002186	Client Sample #: 2017-1117-K1-2-3		Sample Status:	Not Analyzed
Lab ID: 17002187	Client Sample #: 2017-1117-K1-2-4		Sample Status:	Not Analyzed
Lab ID: 17002188	Client Sample #: 2017-1117-K1-2-5		Sample Status:	Not Analyzed
Lab ID: 17002189	Client Sample #: 2017-1117-K1-2-6		Sample Status:	Not Analyzed
Lab ID: 17002190	Client Sample #: 2017-1117-K1-2-7		Sample Status:	Not Analyzed
Lab ID: 17002191	Client Sample #: 2017-1117-K2-1-8			
Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007 (Bldg. K-1)				
Layer 1 of 1	White lumpy material with paint	Calcereous binder, Mica, Paint	Cellulose 6%	Asbestos Type: % Chrysotile 6%
Lab ID: 17002192	Client Sample #: 2017-1117-K2-1-9		Sample Status:	Not Analyzed

Sampled by: Client		
Analyzed by: Jacob Laugeson	Date: 01/10/2017	
Reviewed by: Lori Tseng	Date: 01/10/2017	Lori Tseng, Laboratory Analyst

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

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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 #: 1700440.00
Client Project #: 2016-1117
Date Received: 1/9/2017
Samples Received: 42
Samples Analyzed: 7
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007
(Bldg. K-1)

Lab ID: 17002193	Client Sample #: 2017-1117-K2-1-10	Sample Status:	Not Analyzed
Lab ID: 17002194	Client Sample #: 2017-1117-K2-1-11	Sample Status:	Not Analyzed
Lab ID: 17002195	Client Sample #: 2017-1117-K2-1-12	Sample Status:	Not Analyzed
Lab ID: 17002196	Client Sample #: 2017-1117-K2-1-13	Sample Status:	Not Analyzed
Lab ID: 17002197	Client Sample #: 2017-1117-K2-1-14	Sample Status:	Not Analyzed
Lab ID: 17002198	Client Sample #: 2017-1117-K2-2-8	Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007 (Bldg. K-1)	
Layer 1 of 2	Description: White compacted powdery material with paint		
	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
	Calcareous particles, Calcareous binder, Paint	Cellulose 2%	Chrysotile 2%
Layer 2 of 2	Description: White chalky material with paper		
	Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
	Gypsum/Binder, Binder/Filler	Cellulose 30%	None Detected ND
Lab ID: 17002199	Client Sample #: 2017-1117-K2-2-9	Sample Status:	Not Analyzed
Lab ID: 17002200	Client Sample #: 2017-1117-K2-2-10	Sample Status:	Not Analyzed

Sampled by: Client Analyzed by: Jacob Laugeson Reviewed by: Lori Tseng	Date: 01/10/2017 Date: 01/10/2017	 <hr/> Lori Tseng, Laboratory Analyst
---	--	---

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 #: 1700440.00
 Client Project #: 2016-1117
 Date Received: 1/9/2017
 Samples Received: 42
 Samples Analyzed: 7
 Method: EPA/600/R-93/116
 & EPA/600/M4-82-020

Attention: Mr. Derrick Gallard
 Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007
 (Bldg. K-1)

Lab ID: 17002201	Client Sample #: 2017-1117-K2-2-11	Sample Status:	Not Analyzed
Lab ID: 17002202	Client Sample #: 2017-1117-K2-2-12	Sample Status:	Not Analyzed
Lab ID: 17002203	Client Sample #: 2017-1117-K2-2-13	Sample Status:	Not Analyzed
Lab ID: 17002204	Client Sample #: 2017-1117-K2-2-14	Sample Status:	Not Analyzed
Lab ID: 17002205	Client Sample #: 2017-1117-K3-1-15		
Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007 (Bldg. K-1)			
Layer 1 of 1 Description: White lumpy material with paint			
Non-Fibrous Materials:		Other Fibrous Materials: %	Asbestos Type: %
Calcareous binder, Mica, Paint		Cellulose 7%	Chrysotile 5%
Lab ID: 17002206	Client Sample #: 2017-1117-K3-1-16	Sample Status:	Not Analyzed
Lab ID: 17002207	Client Sample #: 2017-1117-K3-1-17	Sample Status:	Not Analyzed
Lab ID: 17002208	Client Sample #: 2017-1117-K3-1-18	Sample Status:	Not Analyzed
Lab ID: 17002209	Client Sample #: 2017-1117-K3-1-19	Sample Status:	Not Analyzed
Lab ID: 17002210	Client Sample #: 2017-1117-K3-1-20	Sample Status:	Not Analyzed

<p>Sampled by: Client</p> <p>Analyzed by: Jacob Laugeson</p> <p>Reviewed by: Lori Tseng</p>	<p>Date: 01/10/2017</p> <p>Date: 01/10/2017</p>	<p>_____ Lori Tseng, Laboratory Analyst</p>
--	---	--

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

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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 #: 1700440.00
Client Project #: 2016-1117
Date Received: 1/9/2017
Samples Received: 42
Samples Analyzed: 7
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard
Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007
(Bldg. K-1)

Lab ID: 17002211 Client Sample #: 2017-1117-K3-1-21 Sample Status: Not Analyzed

Lab ID: 17002212 Client Sample #: 2017-1117-K3-2-15
Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007 (Bldg. K-1)
Layer 1 of 1 Description: White chalky material with paper and paint
Non-Fibrous Materials: Other Fibrous Materials:% **Asbestos Type: %**
Gypsum/Binder, Binder/Filler, Paint Cellulose 28% **None Detected ND**

Lab ID: 17002213 Client Sample #: 2017-1117-K3-2-16
Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007 (Bldg. K-1)
Layer 1 of 2 Description: White thin compacted powdery material with paint
Non-Fibrous Materials: Other Fibrous Materials:% **Asbestos Type: %**
Calcareous particles, Calcareous binder, 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, Binder/Filler Cellulose 28% **None Detected ND**

Lab ID: 17002214 Client Sample #: 2017-1117-K3-2-17 Sample Status: Not Analyzed

Lab ID: 17002215 Client Sample #: 2017-1117-K3-2-18 Sample Status: Not Analyzed

Lab ID: 17002216 Client Sample #: 2017-1117-K3-2-19 Sample Status: Not Analyzed

Lab ID: 17002217 Client Sample #: 2017-1117-K3-2-20 Sample Status: Not Analyzed

Sampled by: Client
Analyzed by: Jacob Laugeson **Date:** 01/10/2017
Reviewed by: Lori Tseng **Date:** 01/10/2017 *Lori Tseng*
Lori Tseng, Laboratory Analyst

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

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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

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007
(Bldg. K-1)

Batch #: 1700440.00

Client Project #: 2016-1117

Date Received: 1/9/2017

Samples Received: 42

Samples Analyzed: 7

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

Lab ID: 17002218

Client Sample #: 2017-1117-K3-2-21

Sample Status:

Not Analyzed

Sampled by: Client

Analyzed by: Jacob Laugeson

Reviewed by: Lori Tseng

Date: 01/10/2017

Date: 01/10/2017

Lori Tseng, Laboratory Analyst

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

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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 (425) 985-1253

NVL Batch Number 1700440.00

TAT 2 Days **AH No.**

Rush TAT

Due Date 1/11/2017 **Time** 4:30 PM

Email derrick.g@nvllabs.com

Fax (206) 634-1936

Project Name/Number: 2016-1117 **Project Location:** "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007 (Bldg. K-1)

Subcategory PLM Bulk

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

Total Number of Samples 42

Rush Samples

Lab ID	Sample ID	Description	A/R	
1	17002177	2017-1117-K1-1-1	Stop @ First Positive	A
2	17002178	2017-1117-K1-1-2		A
3	17002179	2017-1117-K1-1-3		A
4	17002180	2017-1117-K1-1-4		A
5	17002181	2017-1117-K1-1-5		A
6	17002182	2017-1117-K1-1-6		A
7	17002183	2017-1117-K1-1-7		A
8	17002184	2017-1117-K1-2-1	Stop @ First Positive	A
9	17002185	2017-1117-K1-2-2		A
10	17002186	2017-1117-K1-2-3		A
11	17002187	2017-1117-K1-2-4		A
12	17002188	2017-1117-K1-2-5		A
13	17002189	2017-1117-K1-2-6		A
14	17002190	2017-1117-K1-2-7		A
15	17002191	2017-1117-K2-1-8	Stop @ First Positive	A
16	17002192	2017-1117-K2-1-9		A
17	17002193	2017-1117-K2-1-10		A
18	17002194	2017-1117-K2-1-11		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Umer Khan		NVL	1/9/17	1630
Analyzed by	Jacob Laugeson		NVL	1/10/17	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions:

Date: 1/9/2017
Time: 4:34 PM
Entered By: Umer Khan



Company NVL Field Services Division
Address 4708 Aurora Ave. N.
 Seattle, WA 98103
Project Manager Mr. Derrick Gallard
Phone (206) 547-0100
Cell (425) 985-1253

NVL Batch Number 1700440.00
TAT 2 Days **AH** No
Rush TAT
Due Date 1/11/2017 **Time** 4:30 PM
Email derrick.g@nvllabs.com
Fax (206) 634-1936

Project Name/Number: 2016-1117 **Project Location:** "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007 (Bldg. K-1)

Subcategory PLM Bulk

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

Total Number of Samples 42

Rush Samples _____

Lab ID	Sample ID	Description	A/R
19	17002195	2017-1117-K2-1-12	A
20	17002196	2017-1117-K2-1-13	A
21	17002197	2017-1117-K2-1-14	A
22	17002198	2017-1117-K2-2-8 Stop @ First Positive	A
23	17002199	2017-1117-K2-2-9	A
24	17002200	2017-1117-K2-2-10	A
25	17002201	2017-1117-K2-2-11	A
26	17002202	2017-1117-K2-2-12	A
27	17002203	2017-1117-K2-2-13	A
28	17002204	2017-1117-K2-2-14	A
29	17002205	2017-1117-K3-1-15 Stop @ First Positive	A
30	17002206	2017-1117-K3-1-16	A
31	17002207	2017-1117-K3-1-17	A
32	17002208	2017-1117-K3-1-18	A
33	17002209	2017-1117-K3-1-19	A
34	17002210	2017-1117-K3-1-20	A
35	17002211	2017-1117-K3-1-21	A
36	17002212	2017-1117-K3-2-15 Stop @ First Positive	A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Umer Khan		NVL	1/9/17	1630
Analyzed by	Jacob Laugeson		NVL	1/10/17	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions: _____

Date: 1/9/2017
 Time: 4:34 PM
 Entered By: Umer Khan

NVL Laboratories, Inc.

ASBESTOS LABORATORY SERVICES



4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

Company NVL Field Services Division	NVL Batch Number 1700440.00
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 1/11/2017 Time 4:30 PM
Cell (425) 985-1253	Email derrick.g@nvllabs.com
	Fax (206) 634-1936

Project Name/Number: 2016-1117	Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007 (Bldg. K-1)
---------------------------------------	---

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

Total Number of Samples 42 **Rush Samples**

Lab ID	Sample ID	Description	A/R
37	17002213	2017-1117-K3-2-16	A
38	17002214	2017-1117-K3-2-17	A
39	17002215	2017-1117-K3-2-18	A
40	17002216	2017-1117-K3-2-19	A
41	17002217	2017-1117-K3-2-20	A
42	17002218	2017-1117-K3-2-21	A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				
Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Umer Khan		NVL	1/9/17	1630
Analyzed by	Jacob Laugeson		NVL	1/10/17	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					
Special Instructions:					

Date: 1/9/2017
 Time: 4:34 PM
 Entered By: Umer Khan

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

**CHAIN of CUSTODY
SAMPLE LOG**

1700440

5

Client NVL Laboratories Inc
 Street 4708 Aurora Ave N
Seattle, WA 98103
 Project Manager Syed Hasan
 Project Location "Cascadian Apartments" 15517 NE 12th St
Bellevue, WA 98007 (BLD K-1)

NVL Batch Number _____
 Client Job Number 2016-1117
 Total Samples # 4/2
 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 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		2016-1117-K1-1-1	STOP @ 1 ST POSITIVE	
2		K1-1-2		
3		K1-1-3		
4		K1-1-4		
5		K1-1-5		
6		K1-1-6		
7		K1-1-7		
8		2016-1117 K1-2-1	STOP @ 1 ST POSITIVE	
9		K1-2-2		
10		K1-2-3		
11		K1-2-4		
12		K1-2-5		
13		K1-2-6		
14		K1-2-7		
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	DERRICK	<i>[Signature]</i>	NVL	1/9/17	9:00am
Relinquished by	DERRICK	<i>[Signature]</i>	NVL	1/9/17	4:30pm
Received by	<i>[Signature]</i>	<i>[Signature]</i>	NVL	1/9/17	16:30
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 DERRICK

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

**CHAIN of CUSTODY
SAMPLE LOG**

1700440



Client NVL Laboratories Inc
 Street 4708 Aurora Ave N
Seattle, WA 98103
 Project Manager Syed Hasan
 Project Location "Cascadian Apartments" 15517 NE 12th St
Bellevue, WA 98007 (BLD k-2)

NVL Batch Number _____
 Client Job Number 2016-1117
 Total Samples 44 42
 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 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		2016-1117-k2-1-8	STOP @ 1ST POSITIVE	
2		k2-1-9		
3		k2-1-10		
4		k2-1-11		
5		k2-1-12		
6		k2-1-13		
7		k2-1-14		
8		2016-1117-k2-2-8	STOP @ 1ST POSITIVE	
9		k2-2-9		
10		k2-2-10		
11		k2-2-11		
12		k2-2-12		
13		k2-2-13		
14		k2-2-14		
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	DERRICK G.		NVL	1/9/17	9:01 am
Relinquished by	DERRICK G.		NVL	1/9/17	4:30
Received by			NVL	1/9/17	16:30
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 DERRICK

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

**CHAIN of CUSTODY
SAMPLE LOG**

1700440



Client NVL Laboratories Inc
 Street 4708 Aurora Ave N
Seattle, WA 98103
 Project Manager Syed Hasan
 Project Location "Cascadian Apartments" 15517 NE 12th St
Bellevue, WA 98007 (BLD k-3)

NVL Batch Number _____
 Client Job Number 2016-1117
 Total Samples # 42
 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 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		2016-1117 - k3-1-15	STOP @ 1ST POSITIVE	
2		-k3-1-16	↓	
3		-k3-1-17		
4		-k3-1-18		
5		-k3-1-19		
6		-k3-1-20		
7		-k3-1-21		
8		2016-1117 - k3-2-15	STOP @ 1ST POSITIVE	
9		k3-2-16	↓	
10		k3-2-17		
11		k3-2-18		
12		k3-2-19		
13		k3-2-20		
14		k3-2-21		
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	DERRICK	<i>[Signature]</i>	NVL	1/9/17	9:00 am
Relinquished by	DERRICK	<i>[Signature]</i>	NVL	1/9/17	4:30
Received by	<i>[Signature]</i>	<i>[Signature]</i>	NVL	1/9/17	16:30
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 DERRICK

January 10, 2017

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



Laboratory | Management | Training

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 1700441.00

Client Project: 2016-1117

Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007

Dear Mr. Gallard,

Enclosed please find test results for the 42 sample(s) submitted to our laboratory for analysis on 1/9/2017.

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,


Lori Tseng, Laboratory Analyst



Lab Code: 102063-0

1.888.NVL.LABS Enc.: Sample Results
1.888.(685.5227)
www.nvllabs.com

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

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

Batch #: 1700441.00

Client Project #: 2016-1117

Date Received: 1/9/2017

Samples Received: 42

Samples Analyzed: 19

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

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1,
Bellevue WA 98007

Lab ID: 17002219 Client Sample #: 2016-1117-H1-1-1

Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007

Layer 1 of 1 Description: White lumpy material with paint

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Calcareous particles, Binder/Filler, Vermiculite	None Detected ND	Chrysotile 5%
Paint		

Lab ID: 17002220 Client Sample #: 2016-1117-H1-1-2 Sample Status: Not Analyzed

Lab ID: 17002221 Client Sample #: 2016-1117-H1-1-3 Sample Status: Not Analyzed

Lab ID: 17002222 Client Sample #: 2016-1117-H1-1-4 Sample Status: Not Analyzed

Lab ID: 17002223 Client Sample #: 2016-1117-H1-1-5 Sample Status: Not Analyzed

Lab ID: 17002224 Client Sample #: 2016-1117-H1-1-6 Sample Status: Not Analyzed

Lab ID: 17002225 Client Sample #: 2016-1117-H1-1-7 Sample Status: Not Analyzed

Lab ID: 17002226 Client Sample #: 2016-1117-H1-2-1

Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007

Sampled by: Client

Analyzed by: Nadezhda Prysyzhnyuk

Reviewed by: Lori Tseng

Date: 01/10/2017

Date: 01/10/2017

Lori Tseng, Laboratory Analyst

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 #: 1700441.00
 Client Project #: 2016-1117
 Date Received: 1/9/2017
 Samples Received: 42
 Samples Analyzed: 19
 Method: EPA/600/R-93/116
 & EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1,
 Bellevue WA 98007

Layer 1 of 1	Description: White chalky material with paper and paint		Asbestos Type: %
	Non-Fibrous Materials:	Other Fibrous Materials: %	
	Fine particles, Gypsum/Binder, Paint	Cellulose 18%	None Detected ND

Lab ID: 17002227 **Client Sample #: 2016-1117-H1-2-2**
 Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007

Layer 1 of 1	Description: White chalky material with paper and layered paint		Asbestos Type: %
	Non-Fibrous Materials:	Other Fibrous Materials: %	
	Fine particles, Gypsum/Binder, Mica	Cellulose 17%	None Detected ND
	Paint	Glass fibers 3%	

Lab ID: 17002228 **Client Sample #: 2016-1117-H1-2-3**
 Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007

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

Lab ID: 17002229 **Client Sample #: 2016-1117-H1-2-4** **Sample Status: Not Analyzed**

Lab ID: 17002230 **Client Sample #: 2016-1117-H1-2-5** **Sample Status: Not Analyzed**

Lab ID: 17002231 **Client Sample #: 2016-1117-H1-2-6** **Sample Status: Not Analyzed**

Sampled by: Client			
Analyzed by: Nadezhda Prysyzhnyuk	Date: 01/10/2017		
Reviewed by: Lori Tseng	Date: 01/10/2017	Lori Tseng, Laboratory Analyst	

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

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

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

Batch #: 1700441.00

Client Project #: 2016-1117

Date Received: 1/9/2017

Samples Received: 42

Samples Analyzed: 19

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

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1,
Bellevue WA 98007

Lab ID: 17002232 Client Sample #: 2016-1117-H1-2-7 Sample Status: Not Analyzed

Lab ID: 17002233 Client Sample #: 2016-1117-H2-1-8
Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007

Layer 1 of 1 Description: White lumpy material with paint

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Calcareous particles, Binder/Filler, Vermiculite	None Detected ND	Chrysotile 4%
Paint		

Lab ID: 17002234 Client Sample #: 2016-1117-H2-1-9 Sample Status: Not Analyzed

Lab ID: 17002235 Client Sample #: 2016-1117-H2-1-10 Sample Status: Not Analyzed

Lab ID: 17002236 Client Sample #: 2016-1117-H2-1-11 Sample Status: Not Analyzed

Lab ID: 17002237 Client Sample #: 2016-1117-H2-1-12 Sample Status: Not Analyzed

Lab ID: 17002238 Client Sample #: 2016-1117-H2-1-13 Sample Status: Not Analyzed

Lab ID: 17002239 Client Sample #: 2016-1117-H2-1-14 Sample Status: Not Analyzed

Sampled by: Client

Analyzed by: Nadezhda Prysyzhnyuk

Date: 01/10/2017

Reviewed by: Lori Tseng

Date: 01/10/2017

Lori Tseng, Laboratory Analyst

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 #: 1700441.00

Client Project #: 2016-1117

Date Received: 1/9/2017

Samples Received: 42

Samples Analyzed: 19

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

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1,
Bellevue WA 98007

Lab ID: 17002240 Client Sample #: 2016-1117-H2-2-8

Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007

Layer 1 of 2 **Description:** Trace white textured powdery material with paint

Non-Fibrous Materials: Other Fibrous Materials:%
Calcereous particles, Binder/Filler, Paint Cellulose 2%

**Asbestos Type: %
Chrysotile 2%**

Layer 2 of 2 **Description:** White chalky material with paper

Non-Fibrous Materials: Other Fibrous Materials:%
Fine particles, Gypsum/Binder, Mica Cellulose 18%
Glass fibers 4%

**Asbestos Type: %
None Detected ND**

Lab ID: 17002241 Client Sample #: 2016-1117-H2-2-9 Sample Status: Not Analyzed

Lab ID: 17002242 Client Sample #: 2016-1117-H2-2-10 Sample Status: Not Analyzed

Lab ID: 17002243 Client Sample #: 2016-1117-H2-2-11 Sample Status: Not Analyzed

Lab ID: 17002244 Client Sample #: 2016-1117-H2-2-12 Sample Status: Not Analyzed

Lab ID: 17002245 Client Sample #: 2016-1117-H2-2-13 Sample Status: Not Analyzed

Lab ID: 17002246 Client Sample #: 2016-1117-H2-2-14 Sample Status: Not Analyzed

Sampled by: Client

Analyzed by: Nadezhda Prysyzhnyuk

Reviewed by: Lori Tseng

Date: 01/10/2017

Date: 01/10/2017

Lori Tseng, Laboratory Analyst

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

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

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

Batch #: 1700441.00
Client Project #: 2016-1117
Date Received: 1/9/2017
Samples Received: 42
Samples Analyzed: 19
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1,
Bellevue WA 98007

Lab ID: 17002247 Client Sample #: 2016-1117-H3-1-15

Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007

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

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

Lab ID: 17002248 Client Sample #: 2016-1117-H3-1-16

Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007

Layer 1 of 1 Description: White lumpy foamy material with paint and trace paper

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Calcareous particles, Binder/Filler, Synthetic foam	Cellulose 7%	None Detected ND
Paint		

Lab ID: 17002249 Client Sample #: 2016-1117-H3-1-17

Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007

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

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

Lab ID: 17002250 Client Sample #: 2016-1117-H3-1-18

Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007

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

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Calcareous particles, Binder/Filler, Synthetic foam	Cellulose <1%	None Detected ND
Paint		

Sampled by: Client		
Analyzed by: Nadezhda Prysyzhnyuk	Date: 01/10/2017	
Reviewed by: Lori Tseng	Date: 01/10/2017	Lori Tseng, Laboratory Analyst

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

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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 #: 1700441.00
Client Project #: 2016-1117
Date Received: 1/9/2017
Samples Received: 42
Samples Analyzed: 19
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard
Project Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1,
Bellevue WA 98007

Lab ID: 17002251 Client Sample #: 2016-1117-H3-1-19
Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007

Layer 1 of 1 Description: White lumpy foamy material with paint
Non-Fibrous Materials: Other Fibrous Materials:%
Calcereous particles, Binder/Filler, Synthetic foam None Detected ND **Asbestos Type: %**
None Detected ND
Paint

Lab ID: 17002252 Client Sample #: 2016-1117-H3-1-20
Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007

Layer 1 of 1 Description: White lumpy foamy material with paint
Non-Fibrous Materials: Other Fibrous Materials:%
Calcereous particles, Binder/Filler, Synthetic foam None Detected ND **Asbestos Type: %**
None Detected ND
Paint

Lab ID: 17002253 Client Sample #: 2016-1117-H3-1-21
Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007

Layer 1 of 1 Description: White lumpy foamy material with paint
Non-Fibrous Materials: Other Fibrous Materials:%
Calcereous particles, Binder/Filler, Synthetic foam None Detected ND **Asbestos Type: %**
None Detected ND
Paint

Lab ID: 17002254 Client Sample #: 2016-1117-H3-2-15
Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007

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

Sampled by: Client
Analyzed by: Nadezhda Prysyzhnyuk **Date:** 01/10/2017
Reviewed by: Lori Tseng **Date:** 01/10/2017 *Lori Tseng*
Lori Tseng, Laboratory Analyst

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

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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 #: 1700441.00
Client Project #: 2016-1117
Date Received: 1/9/2017
Samples Received: 42
Samples Analyzed: 19
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard
Project Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1,
Bellevue WA 98007

Layer 2 of 2	Description: Light gray chalky material with paper and paint		
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Fine particles, Gypsum/Binder, Paint	Cellulose 16%	None Detected ND
		Glass fibers 4%	

Lab ID: 17002255 **Client Sample #: 2016-1117-H3-2-16**
Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007

Layer 1 of 2	Description: Trace white textured material with paint		
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Calcareous particles, Binder/Filler, Paint	None Detected ND	None Detected ND

Layer 2 of 2	Description: White chalky material with paper and paint		
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Fine particles, Gypsum/Binder, Mica	Cellulose 16%	None Detected ND
	Paint	Glass fibers 3%	

Lab ID: 17002256 **Client Sample #: 2016-1117-H3-2-17**
Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007

Layer 1 of 1	Description: White chalky material with paper and layered paint		
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Fine particles, Gypsum/Binder, Mica	Cellulose 15%	None Detected ND
	Paint	Glass fibers 5%	

Lab ID: 17002257 **Client Sample #: 2016-1117-H3-2-18**
Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007

Layer 1 of 1	Description: White chalky material with paper and layered paint		
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Fine particles, Gypsum/Binder, Mica	Cellulose 18%	None Detected ND

Sampled by: Client		
Analyzed by: Nadezhda Prysyzhnyuk	Date: 01/10/2017	
Reviewed by: Lori Tseng	Date: 01/10/2017	Lori Tseng, Laboratory Analyst

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

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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 #: 1700441.00
Client Project #: 2016-1117
Date Received: 1/9/2017
Samples Received: 42
Samples Analyzed: 19
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1,
Bellevue WA 98007

Paint Glass fibers 4%

Lab ID: 17002258 Client Sample #: 2016-1117-H3-2-19

Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007

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

Non-Fibrous Materials: Other Fibrous Materials:%
Calcareous particles, Binder/Filler, Paint None Detected ND

**Asbestos Type: %
None Detected ND**

Layer 2 of 2 Description: White chalky material with paper and paint

Non-Fibrous Materials: Other Fibrous Materials:%
Fine particles, Gypsum/Binder, Paint Cellulose 16%
Glass fibers 3%

**Asbestos Type: %
None Detected ND**

Lab ID: 17002259 Client Sample #: 2016-1117-H3-2-20

Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007

Layer 1 of 2 Description: Trace off-white compacted powdery material with layered paint

Non-Fibrous Materials: Other Fibrous Materials:%
Calcareous particles, Binder/Filler, Paint None Detected ND

**Asbestos Type: %
Chrysotile 2%**

Layer 2 of 2 Description: White chalky material with paper

Non-Fibrous Materials: Other Fibrous Materials:%
Fine particles, Gypsum/Binder, Mica Cellulose 14%
Glass fibers 5%

**Asbestos Type: %
None Detected ND**

Lab ID: 17002260 Client Sample #: 2016-1117-H3-2-21 Sample Status: Not Analyzed

Sampled by: Client

Analyzed by: Nadezhda Prisyazhnyuk

Reviewed by: Lori Tseng

Date: 01/10/2017

Date: 01/10/2017

Lori Tseng, Laboratory Analyst

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

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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 (425) 985-1253

NVL Batch Number 1700441.00
TAT 2 Days **AH No**
Rush TAT
Due Date 1/11/2017 **Time** 4:30 PM
Email derrick.g@nvllabs.com
Fax (206) 634-1936

Project Name/Number: 2016-1117 **Project Location:** "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007

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

Total Number of Samples 42 **Rush Samples**

Lab ID	Sample ID	Description	A/R
1	17002219	2016-1117-H1-1-1	A
2	17002220	2016-1117-H1-1-2	A
3	17002221	2016-1117-H1-1-3	A
4	17002222	2016-1117-H1-1-4	A
5	17002223	2016-1117-H1-1-5	A
6	17002224	2016-1117-H1-1-6	A
7	17002225	2016-1117-H1-1-7	A
8	17002226	2016-1117-H1-2-1	A
9	17002227	2016-1117-H1-2-2	A
10	17002228	2016-1117-H1-2-3	A
11	17002229	2016-1117-H1-2-4	A
12	17002230	2016-1117-H1-2-5	A
13	17002231	2016-1117-H1-2-6	A
14	17002232	2016-1117-H1-2-7	A
15	17002233	2016-1117-H2-1-8	A
16	17002234	2016-1117-H2-1-9	A
17	17002235	2016-1117-H2-1-10	A
18	17002236	2016-1117-H2-1-11	A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Umer Khan		NVL	1/9/17	1630
Analyzed by	Nadezhda		NVL	1/10/17	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions:

Date: 1/9/2017
 Time: 4:53 PM
 Entered By: Maya Thetford

NVL Laboratories, Inc.

ASBESTOS LABORATORY SERVICES



4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

Company NVL Field Services Division
Address 4708 Aurora Ave. N.
 Seattle, WA 98103
Project Manager Mr. Derrick Gallard
Phone (206) 547-0100
Cell (425) 985-1253

NVL Batch Number 1700441.00
TAT 2 Days **AH** No
Rush TAT
Due Date 1/11/2017 **Time** 4:30 PM
Email derrick.g@nvllabs.com
Fax (206) 634-1936

Project Name/Number: 2016-1117 **Project Location:** "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007

Subcategory PLM Bulk

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

Total Number of Samples 42

Rush Samples _____

Lab ID	Sample ID	Description	A/R
19	17002237	2016-1117-H2-1-12	A
20	17002238	2016-1117-H2-1-13	A
21	17002239	2016-1117-H2-1-14	A
22	17002240	2016-1117-H2-2-8	A
23	17002241	2016-1117-H2-2-9	A
24	17002242	2016-1117-H2-2-10	A
25	17002243	2016-1117-H2-2-11	A
26	17002244	2016-1117-H2-2-12	A
27	17002245	2016-1117-H2-2-13	A
28	17002246	2016-1117-H2-2-14	A
29	17002247	2016-1117-H3-1-15	A
30	17002248	2016-1117-H3-1-16	A
31	17002249	2016-1117-H3-1-17	A
32	17002250	2016-1117-H3-1-18	A
33	17002251	2016-1117-H3-1-19	A
34	17002252	2016-1117-H3-1-20	A
35	17002253	2016-1117-H3-1-21	A
36	17002254	2016-1117-H3-2-15	A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Umer Khan		NVL	1/9/17	1630
Analyzed by	Nadezhda		NVL	1/10/17	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions:

Date: 1/9/2017
 Time: 4:53 PM
 Entered By: Maya Thetford

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

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ASBESTOS LABORATORY SERVICES



Company NVL Field Services Division	NVL Batch Number 1700441.00
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 1/11/2017 Time 4:30 PM
Cell (425) 985-1253	Email derrick.g@nvllabs.com
	Fax (206) 634-1936

Project Name/Number: 2016-1117	Project Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007
---------------------------------------	--

Subcategory PLM Bulk

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

Total Number of Samples 42 **Rush Samples**

Lab ID	Sample ID	Description	A/R
37	17002255	2016-1117-H3-2-16	A
38	17002256	2016-1117-H3-2-17	A
39	17002257	2016-1117-H3-2-18	A
40	17002258	2016-1117-H3-2-19	A
41	17002259	2016-1117-H3-2-20	A
42	17002260	2016-1117-H3-2-21	A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				
Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Umer Khan		NVL	1/9/17	1630
Analyzed by	Nadezhda		NVL	1/10/17	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					
Special Instructions:					

Date: 1/9/2017
 Time: 4:53 PM
 Entered By: Maya Thetford

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

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**CHAIN of CUSTODY
SAMPLE LOG**

1700441



Client NVL Laboratories Inc
 Street 4708 Aurora Ave N
Seattle, WA 98103
 Project Manager Syed Hasan
 Project Location "Cascadian Apartments" 15517 NE 12th St
Bellevue, WA 98007 BIDG H, floor 1

NVL Batch Number _____
 Client Job Number 2016-1117
 Total Samples 42
 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
 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"/> 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		2016-1117-H1.1.1	Stop @ first positive	
2		H1.1.2	↓	
3		H1.1.3		
4		H1.1.4		
5		H1.1.5		
6		H1.1.6		
7		H1.1.7		
8		H1.2.1		Stop @ first positive
9		H1.2.2	↓	
10		H1.2.3		
11		H1.2.4		
12		H1.2.5		
13		H1.2.6		
14		H1.2.7		
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Chris/Derrick	[Signature]	NVL	1-9-17	09:00
Relinquished by	Chris/Derrick	[Signature]	NVL	1-9-17	16:30
Received by	[Signature]	[Signature]	NVL	1-9-17	16:30
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 DERRICK

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

**CHAIN of CUSTODY
SAMPLE LOG**

1700441



Client NVL Laboratories Inc
 Street 4708 Aurora Ave N
Seattle, WA 98103
 Project Manager Syed Hasan
 Project Location "Cascadian Apartments" 15517 NE 12th St
Bellevue, WA 98007 BLDG H, floor 2

NVL Batch Number _____
 Client Job Number 2016-1117
 Total Samples 42
 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 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		2016-1117-H2-1.8	Stop @ first positive	
2		H2-1.9		
3		H2-1.10		
4		H2-1.11		
5		H2-1.12		
6		H2-1.13		
7		H2-1.14		
8		H2-2.8	Stop @ first positive	
9		H2-2.9		
10		H2-2.10		
11		H2-2.11		
12		H2-2.12		
13		H2-2.13		
14		H2-2.14		
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Chris/Derrick	<i>[Signature]</i>	NVL	1-9-17	09:00
Relinquished by	Chris/Derrick	<i>[Signature]</i>	NVL	1-9-17	16:30
Received by	Umer Khan	<i>[Signature]</i>	Nvl	1-9-17	16:30
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 DERRICK

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

**CHAIN of CUSTODY
SAMPLE LOG**

1700441



Client NVL Laboratories Inc
 Street 4708 Aurora Ave N
Seattle, WA 98103
 Project Manager Syed Hasan
 Project Location "Cascadian Apartments" 15517 NE 12th St
Bellevue, WA 98007 **BLDG H, FLOOR 3**

NVL Batch Number _____
 Client Job Number 2016-1117
 Total Samples 42
 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 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		2016-1117-113-1-15	Stop @ first positive	
2		H3-1-16		
3		H3-1-17		
4		H3-1-18		
5		H3-1-19		
6		H3-1-20		
7		H3-1-21		
8		H3-2-15	Stop @ first positive	
9		H3-2-16		
10		H3-2-17		
11		H3-2-18		
12		H3-2-19		
13		H3-2-20		
14		H3-2-21		
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Chris/Derrick	<i>Chris/Derrick</i>	NVL	1-9-17	09:00
Relinquished by	Chris/Derrick	<i>Chris/Derrick</i>	NVL	1-9-17	16:30
Received by	Amer Khan	<i>Amer Khan</i>	NOL	1-9-17	16:30
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

DERRICK

January 11, 2017

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



Laboratory | Management | Training

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 1700536.00

Client Project: 2016-1117

Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

Dear Mr. Gallard,

Enclosed please find test results for the 42 sample(s) submitted to our laboratory for analysis on 1/10/2017.

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: 102083-0

1.888.NVL.LABS Enc.: Sample Results
1.888.(685.5227)
www.nvllabs.com

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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 #: 1700536.00
Client Project #: 2016-1117
Date Received: 1/10/2017
Samples Received: 42
Samples Analyzed: 6
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

Lab ID: 17002700	Client Sample #: 2016-1117-P1-1-1		
Layer 1 of 1	Description: White lumpy foamy material with paint and micaceous material		
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Binder/Filler, Synthetic foam, Paint	Cellulose 2%	Chrysotile 3%
	Vermiculite		

Lab ID: 17002701	Client Sample #: 2016-1117-P1-1-2	Sample Status:	Not Analyzed
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Lab ID: 17002702	Client Sample #: 2016-1117-P1-1-3	Sample Status:	Not Analyzed
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Lab ID: 17002703	Client Sample #: 2016-1117-P1-1-4	Sample Status:	Not Analyzed
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Lab ID: 17002704	Client Sample #: 2016-1117-P1-1-5	Sample Status:	Not Analyzed
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Lab ID: 17002705	Client Sample #: 2016-1117-P1-1-6	Sample Status:	Not Analyzed
-------------------------	--	-----------------------	---------------------

Lab ID: 17002706	Client Sample #: 2016-1117-P1-1-7	Sample Status:	Not Analyzed
-------------------------	--	-----------------------	---------------------

Lab ID: 17002707 **Client Sample #: 2016-1117-P1-2-1**
Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

Layer 1 of 2	Description: White textured powdery material with paint		
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Calcareous particles, Paint	Cellulose 2%	Chrysotile 2%

Sampled by: Client
Analyzed by: Lori Tseng
Reviewed by: Nick Ly

Date: 01/11/2017
Date: 01/11/2017

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

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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 #: 1700536.00
Client Project #: 2016-1117
Date Received: 1/10/2017
Samples Received: 42
Samples Analyzed: 6
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

Layer 2 of 2	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %	
	Binder/Filler, Gypsum/Binder, Mica	Cellulose 22%	None Detected ND	
		Glass fibers 6%		

Lab ID: 17002708	Client Sample #: 2016-1117-P1-2-2	Sample Status:	Not Analyzed
Lab ID: 17002709	Client Sample #: 2016-1117-P1-2-3	Sample Status:	Not Analyzed
Lab ID: 17002710	Client Sample #: 2016-1117-P1-2-4	Sample Status:	Not Analyzed
Lab ID: 17002711	Client Sample #: 2016-1117-P1-2-5	Sample Status:	Not Analyzed
Lab ID: 17002712	Client Sample #: 2016-1117-P1-2-6	Sample Status:	Not Analyzed
Lab ID: 17002713	Client Sample #: 2016-1117-P1-2-7	Sample Status:	Not Analyzed

Lab ID: 17002714 **Client Sample #: 2016-1117-P2-1-8**
Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

Layer 1 of 1	Description: White lumpy foamy material with paint and micaceous material			
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %	
	Binder/Filler, Synthetic foam, Paint	Cellulose 2%	Chrysotile 3%	

Sampled by: Client		
Analyzed by: Lori Tseng	Date: 01/11/2017	
Reviewed by: Nick Ly	Date: 01/11/2017	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

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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 #: 1700536.00

Client Project #: 2016-1117

Date Received: 1/10/2017

Samples Received: 42

Samples Analyzed: 6

Method: EPA/600/R-93/116

& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

Vermiculite

Lab ID: 17002715	Client Sample #: 2016-1117-P2-1-9	Sample Status:	Not Analyzed
Lab ID: 17002716	Client Sample #: 2016-1117-P2-1-10	Sample Status:	Not Analyzed
Lab ID: 17002717	Client Sample #: 2016-1117-P2-1-11	Sample Status:	Not Analyzed
Lab ID: 17002718	Client Sample #: 2016-1117-P2-1-12	Sample Status:	Not Analyzed
Lab ID: 17002719	Client Sample #: 2016-1117-P2-1-13	Sample Status:	Not Analyzed
Lab ID: 17002720	Client Sample #: 2016-1117-P2-1-14	Sample Status:	Not Analyzed
Lab ID: 17002721	Client Sample #: 2016-1117-P2-2-8		
Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007			
Layer 1 of 2	Description: White textured powdery material with paint		
	Non-Fibrous Materials: Calcareous particles, Paint, Binder/Filler	Other Fibrous Materials: Cellulose 2%	Asbestos Type: % Chrysotile 2%
Layer 2 of 2	Description: White chalky material with paper		
	Non-Fibrous Materials: Binder/Filler, Gypsum/Binder	Other Fibrous Materials: Cellulose 26%	Asbestos Type: % None Detected ND
Lab ID: 17002722	Client Sample #: 2016-1117-P2-2-9	Sample Status:	Not Analyzed

Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 01/11/2017

Date: 01/11/2017

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

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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 #: 1700536.00
Client Project #: 2016-1117
Date Received: 1/10/2017
Samples Received: 42
Samples Analyzed: 6
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

Lab ID: 17002723	Client Sample #: 2016-1117-P2-2-10	Sample Status:	Not Analyzed
Lab ID: 17002724	Client Sample #: 2016-1117-P2-2-11	Sample Status:	Not Analyzed
Lab ID: 17002725	Client Sample #: 2016-1117-P2-2-12	Sample Status:	Not Analyzed
Lab ID: 17002726	Client Sample #: 2016-1117-P2-2-13	Sample Status:	Not Analyzed
Lab ID: 17002727	Client Sample #: 2016-1117-P2-2-14	Sample Status:	Not Analyzed
Lab ID: 17002728	Client Sample #: 2016-1117-P3-1-15	Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007	
Layer 1 of 1	Description: White lumpy foamy material with paint and micaceous material		
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Binder/Filler, Vermiculite, Paint	Cellulose 3%	Chrysotile 3%
	Synthetic foam		
Lab ID: 17002729	Client Sample #: 2016-1117-P3-1-16	Sample Status:	Not Analyzed
Lab ID: 17002730	Client Sample #: 2016-1117-P3-1-17	Sample Status:	Not Analyzed
Lab ID: 17002731	Client Sample #: 2016-1117-P3-1-18	Sample Status:	Not Analyzed

<p>Sampled by: Client Analyzed by: Lori Tseng Reviewed by: Nick Ly</p>	<p>Date: 01/11/2017 Date: 01/11/2017</p>	 <hr/> 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

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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 #: 1700536.00
Client Project #: 2016-1117
Date Received: 1/10/2017
Samples Received: 42
Samples Analyzed: 6
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

Lab ID: 17002732	Client Sample #: 2016-1117-P3-1-19	Sample Status:	Not Analyzed
Lab ID: 17002733	Client Sample #: 2016-1117-P3-1-20	Sample Status:	Not Analyzed
Lab ID: 17002734	Client Sample #: 2016-1117-P3-1-21	Sample Status:	Not Analyzed
Lab ID: 17002735	Client Sample #: 2016-1117-P3-2-15	Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007	
Layer 1 of 2	Description: White textured powdery material with layered paint		
	Non-Fibrous Materials: Calcareous particles, Binder/Filler, Paint/Binder	Other Fibrous Materials:% Cellulose 29%	Asbestos Type: % Chrysotile 2%
Layer 2 of 2	Description: White chalky material with paper		
	Non-Fibrous Materials: Binder/Filler, Gypsum/Binder	Other Fibrous Materials:% Cellulose 31%	Asbestos Type: % None Detected ND
Lab ID: 17002736	Client Sample #: 2016-1117-P3-2-16	Sample Status:	Not Analyzed
Lab ID: 17002737	Client Sample #: 2016-1117-P3-2-17	Sample Status:	Not Analyzed
Lab ID: 17002738	Client Sample #: 2016-1117-P3-2-18	Sample Status:	Not Analyzed
Lab ID: 17002739	Client Sample #: 2016-1117-P3-2-19	Sample Status:	Not Analyzed

Sampled by: Client	
Analyzed by: Lori Tseng	Date: 01/11/2017
Reviewed by: Nick Ly	Date: 01/11/2017
	 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

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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 #: 1700536.00

Client Project #: 2016-1117

Date Received: 1/10/2017

Samples Received: 42

Samples Analyzed: 6

Method: EPA/600/R-93/116

& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

Lab ID: 17002740	Client Sample #: 2016-1117-P3-2-20	Sample Status:	Not Analyzed
Lab ID: 17002741	Client Sample #: 2016-1117-P3-2-21	Sample Status:	Not Analyzed

Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 01/11/2017

Date: 01/11/2017

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

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ASBESTOS LABORATORY SERVICES



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Company NVL Field Services Division
Address 4708 Aurora Ave. N.
 Seattle, WA 98103
Project Manager Mr. Derrick Gallard
Phone (206) 547-0100
Cell (425) 985-1253

NVL Batch Number 1700536.00
TAT 2 Days **AH No**
Rush TAT
Due Date 1/12/2017 **Time** 4:15 PM
Email derrick.g@nvllabs.com
Fax (206) 634-1936

Project Name/Number: 2016-1117 **Project Location:** "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

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

Total Number of Samples 42 **Rush Samples**

	Lab ID	Sample ID	Description	A/R
1	17002700	2016-1117-P1-1-1	Stop @ First Positive	A
2	17002701	2016-1117-P1-1-2		A
3	17002702	2016-1117-P1-1-3		A
4	17002703	2016-1117-P1-1-4		A
5	17002704	2016-1117-P1-1-5		A
6	17002705	2016-1117-P1-1-6		A
7	17002706	2016-1117-P1-1-7		A
8	17002707	2016-1117-P1-2-1		A
9	17002708	2016-1117-P1-2-2		A
10	17002709	2016-1117-P1-2-3		A
11	17002710	2016-1117-P1-2-4		A
12	17002711	2016-1117-P1-2-5		A
13	17002712	2016-1117-P1-2-6		A
14	17002713	2016-1117-P1-2-7		A
15	17002714	2016-1117-P2-1-8		A
16	17002715	2016-1117-P2-1-9		A
17	17002716	2016-1117-P2-1-10		A
18	17002717	2016-1117-P2-1-11		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Umer Khan		NVL	1/10/17	1615
Analyzed by	Lori Tseng		NVL	1/11/17	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Stop @ First Positive
Instructions:

Date: 1/10/2017
 Time: 4:17 PM
 Entered By: Umer Khan

NVL Laboratories, Inc.

ASBESTOS LABORATORY SERVICES



4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

Company NVL Field Services Division
Address 4708 Aurora Ave. N.
 Seattle, WA 98103
Project Manager Mr. Derrick Gallard
Phone (206) 547-0100
Cell (425) 985-1253

NVL Batch Number 1700536.00
TAT 2 Days **AH** No
Rush TAT
Due Date 1/12/2017 **Time** 4:15 PM
Email derrick.g@nvllabs.com
Fax (206) 634-1936

Project Name/Number: 2016-1117 **Project Location:** "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

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

Total Number of Samples 42 **Rush Samples**

Lab ID	Sample ID	Description	A/R
19	17002718	2016-1117-P2-1-12	A
20	17002719	2016-1117-P2-1-13	A
21	17002720	2016-1117-P2-1-14	A
22	17002721	2016-1117-P2-2-8	A
23	17002722	2016-1117-P2-2-9	A
24	17002723	2016-1117-P2-2-10	A
25	17002724	2016-1117-P2-2-11	A
26	17002725	2016-1117-P2-2-12	A
27	17002726	2016-1117-P2-2-13	A
28	17002727	2016-1117-P2-2-14	A
29	17002728	2016-1117-P3-1-15	A
30	17002729	2016-1117-P3-1-16	A
31	17002730	2016-1117-P3-1-17	A
32	17002731	2016-1117-P3-1-18	A
33	17002732	2016-1117-P3-1-19	A
34	17002733	2016-1117-P3-1-20	A
35	17002734	2016-1117-P3-1-21	A
36	17002735	2016-1117-P3-2-15	A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Umer Khan		NVL	1/10/17	1615
Analyzed by	Lori Tseng		NVL	1/11/17	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Stop @ First Positive Instructions:

Date: 1/10/2017
 Time: 4:17 PM
 Entered By: Umer Khan

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

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 (425) 985-1253

NVL Batch Number 1700536.00

TAT 2 Days **AH No.**

Rush TAT

Due Date 1/12/2017 **Time** 4:15 PM

Email derrick.g@nvllabs.com

Fax (206) 634-1936

Project Name/Number: 2016-1117 **Project Location:** "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

Subcategory PLM Bulk

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

Total Number of Samples 42

Rush Samples

	Lab ID	Sample ID	Description	A/R
37	17002736	2016-1117-P3-2-16		A
38	17002737	2016-1117-P3-2-17		A
39	17002738	2016-1117-P3-2-18		A
40	17002739	2016-1117-P3-2-19		A
41	17002740	2016-1117-P3-2-20		A
42	17002741	2016-1117-P3-2-21		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Umer Khan		NVL	1/10/17	1615
Analyzed by	Lori Tseng		NVL	1/11/17	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Stop @ First Positive Instructions:

Date: 1/10/2017

Time: 4:17 PM

Entered By: Umer Khan

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

**CHAIN of CUSTODY
SAMPLE LOG**

1700536



Client NVL Laboratories Inc
 Street 4708 Aurora Ave N
Seattle, WA 98103
 Project Manager Syed Hasan
 Project Location "Cascadian Apartments" 15517 NE 12th St
Bellevue, WA 98007

NVL Batch Number _____
 Client Job Number 2016-1117
 Total Samples 42
 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 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		2016-1117-P1-1-1	STOP @ 1ST POSITIVE	
2		P1-1-2		
3		P1-1-3		
4		P1-1-4		
5		P1-1-5		
6		P1-1-6		
7		P1-1-7		
8		2016-1117-P1-2-1	STOP @ 1ST POSITIVE	
9		-P1-2-2		
10		-P1-2-3		
11		-P1-2-4		
12		-P1-2-5		
13		-P1-2-6		
14		-P1-2-7		
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	DERRICK	<i>[Signature]</i>	NVL	1/10/17	9:05
Relinquished by	DERRICK	<i>[Signature]</i>	NVL	1/10/17	4:15
Received by	Umar Khan	<i>[Signature]</i>	NVL	1/10/17	10:15
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 DERRICK

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

**CHAIN of CUSTODY
SAMPLE LOG**

1700536



Client NVL Laboratories Inc
 Street 4708 Aurora Ave N
Seattle, WA 98103
 Project Manager Syed Hasan
 Project Location "Cascadian Apartments" 15517 NE 12th St
Bellevue, WA 98007

NVL Batch Number _____
 Client Job Number 2016-1117
 Total Samples 42
 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 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
<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		2016-1117-P2-1-8	STOP @ 1st POSITIVE	
2		-P2-1-9		
3		P2-1-10		
4		P2-1-11		
5		P2-1-12		
6		P2-1-13		
7		P2-1-14		
8		2016-1117-P2-2-8	STOP @ 1st POSITIVE	
9		P2-2-9		
10		P2-2-10		
11		P2-2-11		
12		P2-2-12		
13		P2-2-13		
14		P2-2-14		
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	DERRICK		NVL	1/10/17	9:00
Relinquished by	DERRICK		NVL	1/10/17	4:15
Received by			NVL	1/10/17	16:15
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

DERRICK

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

**CHAIN of CUSTODY
SAMPLE LOG**

1700536



Client NVL Laboratories Inc
 Street 4708 Aurora Ave N
Seattle, WA 98103
 Project Manager Syed Hasan
 Project Location "Cascadian Apartments" 15517 NE 12th St
Bellevue, WA 98007

NVL Batch Number _____
 Client Job Number 2016-1117
 Total Samples 42
 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 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		2016-1117-P3-1-15	STOP @ 1st POSITIVE	
2		P3-1-16		
3		P3-1-17		
4		P3-1-18		
5		P3-1-19		
6		P3-1-20		
7		P3-1-21		
8		2016-1117-P3-2-15	STOP @ 1st POSITIVE	
9		P3-2-16		
10		P3-2-17		
11		P3-2-18		
12		P3-2-19		
13		P3-2-20		
14		P3-2-21		
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	DERRICK	[Signature]	NVL	1/16/17	9:00
Relinquished by	DERRICK	[Signature]	NVL	1/16/17	4:15
Received by	Umer Khan	[Signature]	NVL	1/16/17	16:45
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

DERRICK

January 11, 2017

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



INDUSTRIAL
HYGIENE
SERVICES

Laboratory | Management | Training

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 1700539.00

Client Project: 2016-1117

Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

Dear Mr. Gallard,

Enclosed please find test results for the 42 sample(s) submitted to our laboratory for analysis on 1/10/2017.

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

1.888.NVL.LABS

Enc.: Sample Results

1.888.(685.5227)

www.nvllabs.com

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p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

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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 #: 1700539.00
Client Project #: 2016-1117
Date Received: 1/10/2017
Samples Received: 42
Samples Analyzed: 6
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

Lab ID: 17002746 **Client Sample #: 2016-1117-M1-1-1**
Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

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

Non-Fibrous Materials:	Other Fibrous Materials:%	Asbestos Type: %
Calcareous particles, Binder/Filler, Vermiculite	None Detected ND	Chrysotile 5%
Paint		

Lab ID: 17002747 **Client Sample #: 2016-1117-M1-1-2** **Sample Status:** **Not Analyzed**

Lab ID: 17002748 **Client Sample #: 2016-1117-M1-1-3** **Sample Status:** **Not Analyzed**

Lab ID: 17002749 **Client Sample #: 2016-1117-M1-1-4** **Sample Status:** **Not Analyzed**

Lab ID: 17002750 **Client Sample #: 2016-1117-M1-1-5** **Sample Status:** **Not Analyzed**

Lab ID: 17002751 **Client Sample #: 2016-1117-M1-1-6** **Sample Status:** **Not Analyzed**

Lab ID: 17002752 **Client Sample #: 2016-1117-M1-1-7** **Sample Status:** **Not Analyzed**

Lab ID: 17002753 **Client Sample #: 2016-1117-M1-2-1**
Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

Sampled by: Client

Analyzed by: Nadezhda Prysyzhnyuk

Reviewed by: Nick Ly

Date: 01/11/2017

Date: 01/11/2017

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

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

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

Batch #: 1700539.00
Client Project #: 2016-1117
Date Received: 1/10/2017
Samples Received: 42
Samples Analyzed: 6
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

Layer 1 of 2	Description: White thin textured powdery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %	
	Calcereous particles, Binder/Filler, Paint	Cellulose 1%	Chrysotile 2%	
Layer 2 of 2	Description: White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %	
	Fine particles, Gypsum/Binder, Mica	Cellulose 15%	None Detected ND	
		Glass fibers 4%		

Lab ID: 17002754	Client Sample #: 2016-1117-M1-2-2	Sample Status:	Not Analyzed
Lab ID: 17002755	Client Sample #: 2016-1117-M1-2-3	Sample Status:	Not Analyzed
Lab ID: 17002756	Client Sample #: 2016-1117-M1-2-4	Sample Status:	Not Analyzed
Lab ID: 17002757	Client Sample #: 2016-1117-M1-2-5	Sample Status:	Not Analyzed
Lab ID: 17002758	Client Sample #: 2016-1117-M1-2-6	Sample Status:	Not Analyzed
Lab ID: 17002759	Client Sample #: 2016-1117-M1-2-7	Sample Status:	Not Analyzed
Lab ID: 17002760	Client Sample #: 2016-1117-M2-1-8		
Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007			

Sampled by: Client		
Analyzed by: Nadezhda Prysyzhnyuk	Date: 01/11/2017	
Reviewed by: Nick Ly	Date: 01/11/2017	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

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936 | www.nvllabs.com



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

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

Batch #: 1700539.00
Client Project #: 2016-1117
Date Received: 1/10/2017
Samples Received: 42
Samples Analyzed: 6
Method: EPA/600/R-93/116
& EPA/600/M4-82-020


Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

Layer 1 of 1	Description: White lumpy material with paint	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Calcareous particles, Binder/Filler, Vermiculite Paint		None Detected ND	Chrysotile 5%
Lab ID: 17002761	Client Sample #: 2016-1117-M2-1-9		Sample Status:	Not Analyzed
Lab ID: 17002762	Client Sample #: 2016-1117-M2-1-10		Sample Status:	Not Analyzed
Lab ID: 17002763	Client Sample #: 2016-1117-M2-1-11		Sample Status:	Not Analyzed
Lab ID: 17002764	Client Sample #: 2016-1117-M2-1-12		Sample Status:	Not Analyzed
Lab ID: 17002765	Client Sample #: 2016-1117-M2-1-13		Sample Status:	Not Analyzed
Lab ID: 17002766	Client Sample #: 2016-1117-M2-1-14		Sample Status:	Not Analyzed

Lab ID: 17002767 Client Sample #: 2016-1117-M2-2-8
Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

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

<p>Sampled by: Client</p> <p>Analyzed by: Nadezhda Prysyzhnyuk</p> <p>Reviewed by: Nick Ly</p>	<p>Date: 01/11/2017</p> <p>Date: 01/11/2017</p>	 <p>Nick Ly, Technical Director</p>
---	---	---

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

NVL Laboratories, Inc.

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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 #: 1700539.00
Client Project #: 2016-1117
Date Received: 1/10/2017
Samples Received: 42
Samples Analyzed: 6
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

Layer 2 of 2	Description: White chalky material with paper		
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Fine particles, Gypsum/Binder, Mica	Cellulose 18%	None Detected ND
		Glass fibers 5%	

Lab ID: 17002768	Client Sample #: 2016-1117-M2-2-9	Sample Status:	Not Analyzed
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Lab ID: 17002769	Client Sample #: 2016-1117-M2-2-10	Sample Status:	Not Analyzed
-------------------------	---	-----------------------	---------------------

Lab ID: 17002770	Client Sample #: 2016-1117-M2-2-11	Sample Status:	Not Analyzed
-------------------------	---	-----------------------	---------------------

Lab ID: 17002771	Client Sample #: 2016-1117-M2-2-12	Sample Status:	Not Analyzed
-------------------------	---	-----------------------	---------------------

Lab ID: 17002772	Client Sample #: 2016-1117-M2-2-13	Sample Status:	Not Analyzed
-------------------------	---	-----------------------	---------------------

Lab ID: 17002773	Client Sample #: 2016-1117-M2-2-14	Sample Status:	Not Analyzed
-------------------------	---	-----------------------	---------------------

Lab ID: 17002774 **Client Sample #: 2016-1117-M3-1-15**
Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

Layer 1 of 1	Description: White lumpy foamy material with paint		
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Calcareous particles, Binder/Filler, Vermiculite	None Detected ND	Chrysotile 6%
	Paint		

Sampled by: Client		
Analyzed by: Nadezhda Prsyazhnyuk	Date: 01/11/2017	
Reviewed by: Nick Ly	Date: 01/11/2017	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

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com



Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

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

Batch #: 1700539.00
Client Project #: 2016-1117
Date Received: 1/10/2017
Samples Received: 42
Samples Analyzed: 6
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

Lab ID: 17002775	Client Sample #: 2016-1117-M3-1-16	Sample Status:	Not Analyzed
Lab ID: 17002776	Client Sample #: 2016-1117-M3-1-17	Sample Status:	Not Analyzed
Lab ID: 17002777	Client Sample #: 2016-1117-M3-1-18	Sample Status:	Not Analyzed
Lab ID: 17002778	Client Sample #: 2016-1117-M3-1-19	Sample Status:	Not Analyzed
Lab ID: 17002779	Client Sample #: 2016-1117-M3-1-20	Sample Status:	Not Analyzed
Lab ID: 17002780	Client Sample #: 2016-1117-M3-1-21	Sample Status:	Not Analyzed
Lab ID: 17002781	Client Sample #: 2016-1117-M3-2-15	Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007	
Layer 1 of 2	Description: White textured powdery material with paint		
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Calcereous particles, Binder/Filler, Paint	Cellulose 2%	Chrysotile 3%
Layer 2 of 2	Description: White chalky material with paper		
	Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
	Fine particles, Gypsum/Binder, Mica	Cellulose 17%	None Detected ND
		Glass fibers 4%	
Lab ID: 17002782	Client Sample #: 2016-1117-M3-2-16	Sample Status:	Not Analyzed

Sampled by: Client

Analyzed by: Nadezhda Prsyazhnyuk

Reviewed by: Nick Ly

Date: 01/11/2017

Date: 01/11/2017

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

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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 #: 1700539.00
Client Project #: 2016-1117
Date Received: 1/10/2017
Samples Received: 42
Samples Analyzed: 6
Method: EPA/600/R-93/116
& EPA/600/M4-82-020

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

Lab ID: 17002783	Client Sample #: 2016-1117-M3-2-17	Sample Status:	Not Analyzed
Lab ID: 17002784	Client Sample #: 2016-1117-M3-2-18	Sample Status:	Not Analyzed
Lab ID: 17002785	Client Sample #: 2016-1117-M3-2-19	Sample Status:	Not Analyzed
Lab ID: 17002786	Client Sample #: 2016-1117-M3-2-20	Sample Status:	Not Analyzed
Lab ID: 17002787	Client Sample #: 2016-1117-M3-2-21	Sample Status:	Not Analyzed

Sampled by: Client Analyzed by: Nadezhda Prisyazhnyuk Reviewed by: Nick Ly	Date: 01/11/2017 Date: 01/11/2017	 <hr/> 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

NVL Laboratories, Inc.

ASBESTOS LABORATORY SERVICES



4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

Company NVL Field Services Division
Address 4708 Aurora Ave. N.
 Seattle, WA 98103
Project Manager Mr. Derrick Gallard
Phone (206) 547-0100
Cell (425) 985-1253

NVL Batch Number 1700539.00
TAT 2 Days **AH No**
Rush TAT
Due Date 1/12/2017 **Time** 4:15 PM
Email derrick.g@nvllabs.com
Fax (206) 634-1936

Project Name/Number: 2016-1117 **Project Location:** "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

Subcategory PLM Bulk

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

Total Number of Samples 42

Rush Samples

	Lab ID	Sample ID	Description	A/R
1	17002746	2016-1117-M1-1-1	Stop @ First Positive	A
2	17002747	2016-1117-M1-1-2		A
3	17002748	2016-1117-M1-1-3		A
4	17002749	2016-1117-M1-1-4		A
5	17002750	2016-1117-M1-1-5		A
6	17002751	2016-1117-M1-1-6		A
7	17002752	2016-1117-M1-1-7		A
8	17002753	2016-1117-M1-2-1		A
9	17002754	2016-1117-M1-2-2		A
10	17002755	2016-1117-M1-2-3		A
11	17002756	2016-1117-M1-2-4		A
12	17002757	2016-1117-M1-2-5		A
13	17002758	2016-1117-M1-2-6		A
14	17002759	2016-1117-M1-2-7		A
15	17002760	2016-1117-M2-1-8		A
16	17002761	2016-1117-M2-1-9		A
17	17002762	2016-1117-M2-1-10		A
18	17002763	2016-1117-M2-1-11		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Umer Khan		NVL	1/10/17	1615
Analyzed by	Nadezhda		NVL	1/11/17	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions: Stop @ First Positive

Date: 1/10/2017
 Time: 4:32 PM
 Entered By: Umer Khan

NVL Laboratories, Inc.

ASBESTOS LABORATORY SERVICES



4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

Company NVL Field Services Division
Address 4708 Aurora Ave. N.
 Seattle, WA 98103
Project Manager Mr. Derrick Gallard
Phone (206) 547-0100
Cell (425) 985-1253

NVL Batch Number 1700539.00
TAT 2 Days **AH No.**
Rush TAT
Due Date 1/12/2017 **Time** 4:15 PM
Email derrick.g@nvllabs.com
Fax (206) 634-1936

Project Name/Number: 2016-1117 **Project Location:** "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

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

Total Number of Samples 42 **Rush Samples**

Lab ID	Sample ID	Description	A/R
19	17002764	2016-1117-M2-1-12	A
20	17002765	2016-1117-M2-1-13	A
21	17002766	2016-1117-M2-1-14	A
22	17002767	2016-1117-M2-2-8	A
23	17002768	2016-1117-M2-2-9	A
24	17002769	2016-1117-M2-2-10	A
25	17002770	2016-1117-M2-2-11	A
26	17002771	2016-1117-M2-2-12	A
27	17002772	2016-1117-M2-2-13	A
28	17002773	2016-1117-M2-2-14	A
29	17002774	2016-1117-M3-1-15	A
30	17002775	2016-1117-M3-1-16	A
31	17002776	2016-1117-M3-1-17	A
32	17002777	2016-1117-M3-1-18	A
33	17002778	2016-1117-M3-1-19	A
34	17002779	2016-1117-M3-1-20	A
35	17002780	2016-1117-M3-1-21	A
36	17002781	2016-1117-M3-2-15	A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Umer Khan		NVL	1/10/17	1615
Analyzed by	Nadezhda		NVL	1/11/17	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Stop @ First Positive Instructions:

Date: 1/10/2017
 Time: 4:32 PM
 Entered By: Umer Khan

NVL Laboratories, Inc.

ASBESTOS LABORATORY SERVICES



4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

Company NVL Field Services Division
Address 4708 Aurora Ave. N.
 Seattle, WA 98103
Project Manager Mr. Derrick Gallard
Phone (206) 547-0100
Cell (425) 985-1253

NVL Batch Number 1700539.00
TAT 2 Days **AH** No
Rush TAT
Due Date 1/12/2017 **Time** 4:15 PM
Email derrick.g@nvllabs.com
Fax (206) 634-1936

Project Name/Number: 2016-1117 **Project Location:** "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

Subcategory PLM Bulk

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

Total Number of Samples 42

Rush Samples

Lab ID	Sample ID	Description	A/R
37	17002782	2016-1117-M3-2-16	A
38	17002783	2016-1117-M3-2-17	A
39	17002784	2016-1117-M3-2-18	A
40	17002785	2016-1117-M3-2-19	A
41	17002786	2016-1117-M3-2-20	A
42	17002787	2016-1117-M3-2-21	A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Umer Khan		NVL	1/10/17	1615
Analyzed by	Nadezhda		NVL	1/11/17	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Stop @ First Positive Instructions:

Date: 1/10/2017
 Time: 4:32 PM
 Entered By: Umer Khan

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

**CHAIN of CUSTODY
SAMPLE LOG**

1700539



Client NVL Laboratories Inc
 Street 4708 Aurora Ave N
Seattle, WA 98103
 Project Manager Syed Hasan
 Project Location "Cascadian Apartments" 15517 NE 12th St
Bellevue, WA 98007

NVL Batch Number _____
 Client Job Number 2016-1117
 Total Samples 72
 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 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"/> Zinc (Zn)
		<input type="checkbox"/> Paint Chips in %			
		<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		2016-1117-M1.1.1	Stop at FIRST POSITIVE	
2		M1.1.2	↓	
3		M1.1.3	↓	
4		M1.1.4	↓	
5		M1.1.5	↓	
6		M1.1.6	↓	
7		M1.1.7	↓	
8		2016-1117-M1.2.1	Stop at FIRST POSITIVE	
9		M1.2.2	↓	
10		M1.2.3	↓	
11		M1.2.4	↓	
12		M1.2.5	↓	
13		M1.2.6	↓	
14		M1.2.7	↓	
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Chris/Derrick	<i>[Signature]</i>	NVL	1-10-17	09:00
Relinquished by	Chris/Derrick	<i>[Signature]</i>	NVL	1-10-17	16:15
Received by	Arner Chen	<i>[Signature]</i>	MOI	1-10-17	16:15
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 DERRICK

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

**CHAIN of CUSTODY
SAMPLE LOG**

1700539



Client NVL Laboratories Inc
 Street 4708 Aurora Ave N
Seattle, WA 98103
 Project Manager Syed Hasan
 Project Location "Cascadian Apartments" 15517 NE 12th St
Bellevue, WA 98007

NVL Batch Number _____
 Client Job Number 2016-1117
 Total Samples 42
 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 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		2016-1117-M2-1-8	STOP AT FIRST POSITIVE	
2		M2-1-9	↓	
3		M2-1-10	↓	
4		M2-1-11	↓	
5		M2-1-12	↓	
6		M2-1-13	↓	
7		M2-1-14	↓	
8		2016-1117-M2-2-8	Stop at First Positive	
9		M2-2-9	↓	
10		M2-2-10	↓	
11		M2-2-11	↓	
12		M2-2-12	↓	
13		M2-2-13	↓	
14		M2-2-14	↓	
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Chris/Derrick		NVL	1-10-17	09:00
Relinquished by	Chris/Derrick		NVL	1-10-17	16:15
Received by	Uma/Am		NVL	1-10-17	16:15
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 DERRICK

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

**CHAIN of CUSTODY
SAMPLE LOG**

1700539



Client NVL Laboratories Inc
 Street 4708 Aurora Ave N
Seattle, WA 98103
 Project Manager Syed Hasan
 Project Location "Cascadian Apartments" 15517 NE 12th St
Bellevue, WA 98007

NVL Batch Number _____
 Client Job Number 2016-1117
 Total Samples 42
 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 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"/> Zinc (Zn)
		<input type="checkbox"/> Paint Chips in %			
		<input type="checkbox"/> Paint Chlps 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		2016-1117-M3-1-15	Stop @ first positive	
2		M3-1-16		
3		M3-1-17		
4		M3-1-18		
5		M3-1-19		
6		M3-1-20		
7		M3-1-21		
8		2016-1117-M3-2-15	Stop @ first positive	
9		M3-2-16		
10		M3-2-17		
11		M3-2-18		
12		M3-2-19		
13		M3-2-20		
14		M3-2-21		
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Chris/Derrick	<i>[Signature]</i>	NVL	1-10-17	09:00
Relinquished by	Chris/Derrick	<i>[Signature]</i>	NVL	1-10-17	16:15
Received by	Umae Um	<i>[Signature]</i>	NVL	1-10-17	16:15
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

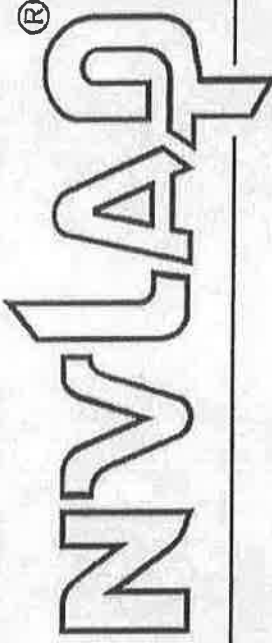
DERRICK



Appendix C

AHERA Certification & Laboratory Qualifications

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).*

2016-10-01 through 2017-09-30
Effective Dates



A handwritten signature in black ink, which appears to read "Peter S. Lamm".

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 600/M4-82-020: Interim Method for 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 "Dana S. Laman".

For the National Voluntary Laboratory Accreditation Program

Certificate of Completion

This is to certify that

Derrick S. Gallard

has satisfactorily completed
24 hours of training as an

Asbestos Building Inspector

to comply with the training requirements of
TSCA Title II / 40 CFR 763 (AHERA)

Certificate #
159360



Instructor

EPA Provider Certificate #1085



Oct 17 - 19, 2016

Date(s) of Training

Exam Score: 97%

Expiration Date: Oct 19, 2017

ARGUS PACIFIC, INC / 1900 WEST NICKERSON ST, SUITE 315 / SEATTLE, WASHINGTON 98119 / 206.285.3373 / ARGUSPACIFIC.COM

January 23, 2017



INDUSTRIAL
HYGIENE
SERVICES

Laboratory | Management | Training
www.NVLLABS.com

Mr. Hugh Watkinson
King County Housing Authority
600 Andover Park W
Seattle, WA 98188

Subject: Point Count Analysis (Addendum - NVL Project # 2016-1117)
@ 15517 NE 12th Street, Bellevue, WA 98007

NVL PROJECT # 2016-1117-1

Dear Mr. Hugh Watkinson,

Please find the attached laboratory results of Point Count Analysis performed on the interior drywall wall samples collected from the apartments located at the subject property.

Building K (Wall Texture)

Sample Number	Material Description by Layer	Location	Asbestos
2016-1117-K1-2-1	Wall texture	Building K, floor 1	2.0%*
2016-1117-K2-2-8	Wall texture	Building K, floor 2	1.8%*
2016-1117-K3-2-15	Wall texture	Building K, floor 3, unit 333, bedroom, mid-wall	0.0%*
2016-1117-K3-2-16	Wall texture	Building K, floor 3	1.1%*

Building H (Wall Texture)

Sample Number	Material Description by Layer	Location	Asbestos
2016-1117-H1-2-3	Wall texture	Building H, floor 1	1.3%*
2016-1117-H2-2-8	Wall texture	Building H, floor 2, unit 217, foyer, mid-wall	0.5%*
2016-1117-H2-2-9	Wall texture	Building H, floor 2, unit 218, bathroom, mid-wall	0.0%*
2016-1117-H2-2-10	Wall texture	Building H, floor 2, unit 219, foyer, mid-wall	0.9%*
2016-1117-H2-2-11	Wall texture	Building H, floor 2, unit 220, bathroom, mid-wall	0.0%*
2016-1117-H2-2-12	Wall texture	Building H, floor 2, unit 221, foyer, mid-wall	0.3%*

**Point Count Analysis results as per National Emission Standards for Hazardous Air Pollutants (NESHAP) and 40 Code of Federal Regulations (CFR) Part 61.141.*

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

Point Count Analysis Results (continued)

Sample Number	Material Description by Layer	Location	Asbestos
2016-1117-H2-2-13	Wall texture	Building H, floor 2, unit 222, bathroom, mid-wall	0.0%*
2016-1117-H2-2-14	Wall texture	Building H, floor 2, hallway, mid-wall	0.8%*
2016-1117-H3-2-20	Wall texture	Building H, floor 3, unit 317, bedroom 2, ceiling	0.1%*
2016-1117-H3-2-21	Wall texture	Building H, floor 3, South stairway, ceiling	0.0%*

Building P (Wall Texture)

Sample Number	Material Description by Layer	Location	Asbestos
2016-1117-P1-2-1	Wall texture	Building P, floor 1	1.3%*
2016-1117-P2-2-8	Wall texture	Building P, floor 2	1.3%*
2016-1117-P3-2-15	Wall texture	Building P, floor 3, unit 331, kitchen, mid-wall	0.1%*
2016-1117-P3-2-16	Wall texture	Building P, floor 3, unit 332, foyer, mid-wall	0.3%*
2016-1117-P3-2-17	Wall texture	Building P, floor 3, unit 333, kitchen, mid-wall	0.5%*
2016-1117-P3-2-18	Wall texture	Building P, floor 3, unit 334, bathroom, mid-wall	0.0%*
2016-1117-P3-2-19	Wall texture	Building P, floor 3, unit 335, bathroom, mid-wall	0.0%*
2016-1117-P3-2-20	Wall texture	Building P, floor 3, unit 336, foyer, mid-wall	0.3%*
2016-1117-P3-2-21	Wall texture	Building P, floor 3, hallway, mid-wall	0.0%*

**Point Count Analysis results as per National Emission Standards for Hazardous Air Pollutants (NESHAP) and 40 Code of Federal Regulations (CFR) Part 61.141.*

Point Count Analysis Results (continued)

Building M (Wall Texture)

Sample Number	Material Description by Layer	Location	Asbestos
2016-1117-M1-2-1	Wall texture	Building M, floor 1, hallway, mid-wall	0.9%*
2016-1117-M1-2-2	Wall texture	Building M, floor 1, hallway, mid-wall	0.1%*
2016-1117-M1-2-3	Wall texture	Building M, floor 1	1.3%*
2016-1117-M2-2-8	Wall texture	Building M, floor 2	1.3%*
2016-1117-M3-2-15	Wall texture	Building M, floor 3	1.5%*

**Point Count Analysis results as per National Emission Standards for Hazardous Air Pollutants (NESHAP) and 40 Code of Federal Regulations (CFR) Part 61.141.*

Conclusions and Recommendations

Texture associated with the interior GWB walls throughout all three floors of buildings K and M, floor 1 of building H, and floors 1 and 2 of building P was found to be asbestos-containing through Point Count Analysis. Asbestos abatement protocols apply for any renovations or demolition.

The texture associated with the interior GWB walls on floor 3 of building P, and on floors 2 and 3 of building H was found to be less than one percent asbestos containing through point count analysis. Therefore asbestos abatement protocols are not required for these floors.

Please refer to the survey report # 2016-1117 for Labor and Industries regulatory requirements for materials containing <1% asbestos.

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



Christopher Gaither
 AHERA Building Inspector
 AHERA Certification: # 160154
 Expiration Date: December 07, 2017

Attachment: Laboratory Analysis Results

January 20, 2017



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

**RE: Bulk Asbestos Fiber Concentration by Point Count
NVL Batch # 1700957**

Client Project: 2016-1117

Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007 Bldg. K

Dear Mr. Gallard,

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



Lab Code:102063

Enc.: Sample Results

1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936

PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007
Bldg. K

Batch #: 1700957.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 21

Samples Analyzed: 4

Method: EPA/600R-93/116

Lab ID : 17004689 Client Sample #: 2016-1117-K1-2-1

Sample Description: White compacted powdery material with 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 3 % in Layer 1. Corresponding Lab ID 17002184

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	1	49	50
2	0	50	50
3	1	49	50
4	2	48	50
5	0	50	50
6	2	48	50
7	1	49	50
8	1	49	50
Total	8	392	400

Conclusion: This Sample Contains 2.0 % ASBESTOS

Sampled by: Client

Analyzed by: Jacob Laugeson

Reviewed by: Nick Ly

Date: 01/19/2017

Date: 01/20/2017

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.

PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007
Bldg. K

Batch #: 1700957.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 21

Samples Analyzed: 4

Method: EPA/600R-93/116

Lab ID : 17004696 Client Sample #: 2016-1117-K2-2-8

Sample Description: White compacted powdery material with paint - layer 1 of 2

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 17002198

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	0	50	50
2	1	49	50
3	1	49	50
4	1	49	50
5	1	49	50
6	1	49	50
7	2	48	50
8	0	50	50
Total	7	393	400

Conclusion: This Sample Contains 1.8 % ASBESTOS

Sampled by: Client

Analyzed by: Jacob Laugeson

Reviewed by: Nick Ly

Date: 01/19/2017

Date: 01/20/2017

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.

PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007
Bldg. K

Batch #: 1700957.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 21

Samples Analyzed: 4

Method: EPA/600R-93/116

Lab ID : 17004703 Client Sample #: 2016-1117-K3-2-15

Sample Description: White chalky material with paper and paint - layer 1 of 1

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 ND % in Layer 1. Corresponding Lab ID 17002212

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 0.0 % ASBESTOS

Comments: No Asbestos fibers were observed in the field view

Sampled by: Client

Analyzed by: Jacob Laugeson

Reviewed by: Nick Ly

Date: 01/19/2017

Date: 01/20/2017

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.

PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: **Mr. Derrick Gallard**

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007
Bldg. K

Batch #: 1700957.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 21

Samples Analyzed: 4

Method: EPA/600R-93/116

Lab ID : 17004704 Client Sample #: 2016-1117-K3-2-16

Sample Description: White thin compacted powdery material with paint - layer 1 of 2

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 17002213

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	0	50	50
2	2	48	50
3	0	50	50
4	1	49	50
5	0	50	50
6	0	50	50
7	1	49	50
8	1	99	100
Total	5	445	450

Conclusion: This Sample Contains 1.1 % ASBESTOS

Sampled by: Client

Analyzed by: Jacob Laugeson

Reviewed by: Nick Ly

Date: 01/19/2017

Date: 01/20/2017



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.

NVL Laboratories, Inc.

ASBESTOS LABORATORY SERVICES



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Company NVL Field Services Division
Address 4708 Aurora Ave. N.
 Seattle, WA 98103
Project Manager Mr. Derrick Gallard
Phone (206) 547-0100
Cell (425) 985-1253

NVL Batch Number 1700957.00
TAT 2 Days **AH** No
Rush TAT
Due Date 1/20/2017 **Time** 9:00 AM
Email derrick.g@nvllabs.com
Fax (206) 634-1936

Project Name/Number: 2016-1117 **Project Location:** "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007 Bldg. K

Subcategory PLM Bulk

Item Code ASB-03 **EPA 600/R-93-116 Asbestos by PLM (400 points) <bulk>**

Total Number of Samples 21

Rush Samples _____

Lab ID	Sample ID	Description	A/R
1	17004689	2016-1117-K1-2-1	Stop @ 1st Pos. A
2	17004690	2016-1117-K1-2-2	*** A
3	17004691	2016-1117-K1-2-3	*** A
4	17004692	2016-1117-K1-2-4	*** A
5	17004693	2016-1117-K1-2-5	*** A
6	17004694	2016-1117-K1-2-6	*** A
7	17004695	2016-1117-K1-2-7	*** A
8	17004696	2016-1117-K2-2-8	Stop @ 1st Pos. A
9	17004697	2016-1117-K2-2-9	*** A
10	17004698	2016-1117-K2-2-10	*** A
11	17004699	2016-1117-K2-2-11	*** A
12	17004700	2016-1117-K2-2-12	*** A
13	17004701	2016-1117-K2-2-13	*** A
14	17004702	2016-1117-K2-2-14	*** A
15	17004703	2016-1117-K3-2-15	Stop @ 1st Pos. A
16	17004704	2016-1117-K3-2-16	*** A
17	17004705	2016-1117-K3-2-17	*** A
18	17004706	2016-1117-K3-2-18	*** A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Fatima Khan		NVL	1/18/17	900
Analyzed by	Jacob Laugeson		NVL	1/19/17	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Samples originally from batch# 1700440
Instructions:

Date: 1/18/2017
 Time: 9:20 AM
 Entered By: Fatima Khan



4708 Aurora Ave N, Seattle, WA 98103

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Company NVL Field Services Division	NVL Batch Number 1700957.00
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 1/20/2017 Time 9:00 AM
Cell (425) 985-1253	Email derrick.g@nvllabs.com
	Fax (206) 634-1936

Project Name/Number: 2016-1117	Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007 Bldg. K
---------------------------------------	--

Subcategory PLM Bulk

Item Code ASB-03 EPA 600/R-93-116 Asbestos by PLM (400 points) <bulk>

Total Number of Samples 21

Rush Samples

Lab ID	Sample ID	Description	A/R
19	17004707	2016-1117-K3-2-19	***
20	17004708	2016-1117-K3-2-20	***
21	17004709	2016-1117-K3-2-21	***

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Fatima Khan		NVL	1/18/17	900
Analyzed by	Jacob Laugeson		NVL	1/19/17	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Samples originally from batch# 1700440
Instructions:

Date: 1/18/2017
 Time: 9:20 AM
 Entered By: Fatima Khan

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

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**CHAIN of CUSTODY
SAMPLE LOG**

1700957

Client NVL Laboratories Inc
 Street 4708 Aurora Ave N
Seattle, WA 98103
 Project Manager Syed Hasan
 Project Location "Cascadian Apartments" 15517 NE 12th St
Bellevue, WA 98007 - Bug K.

NVL Batch Number _____
 Client Job Number 2016-1117
 Total Samples 21
 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 checked="" 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	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		2016-1117-K1-2-1	STOP @ FIRST +VE - Batch # 1700440-00	
2		-2-2		
3		-2-3		
4		-2-4		
5		-2-5		
6		-2-6		
7		-2-7		
8		K2-2-8	STOP @ FIRST +VE	
9		-2-9		
10		-2-10		
11		-2-11		
12		-2-12		
13		-2-13		
14		-2-14		
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	DERRICK G.	<i>[Signature]</i>	NVL	1-10-17	9:00 AM
Relinquished by	<i>[Signature]</i>	<i>[Signature]</i>		1-18-17	9:00 AM
Received by	<i>[Signature]</i>	<i>[Signature]</i>	NVLLabs	1/18/17	9:00 AM
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

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

**CHAIN of CUSTODY
SAMPLE LOG**

1700957



Client NVL Laboratories Inc
 Street 4708 Aurora Ave N
Seattle, WA 98103
 Project Manager Sved Hasan
 Project Location "Cascadian Apartments" 15517 NE 12th St
Bellevue, WA 98007 - BLDG K

NVL Batch Number _____
 Client Job Number 2016-1117
 Total Samples 21
 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	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		2016-1117-K8-2-15	Stop @ first +ve - BATCH # 1700440	00
2		-2-16		
3		-2-17		
4		-2-18		
5		-2-19		
6		-2-20		
7		-2-21		
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	DERRICK G.	[Signature]	NVL	1-10-17	9:00 AM
Relinquished by	[Signature]	[Signature]	[Signature]	1-18-17	9:00 AM
Received by	[Signature]	[Signature]	NVL Labs	1/18/17	[Signature]
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

January 19, 2017



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

**RE: Bulk Asbestos Fiber Concentration by Point Count
NVL Batch # 1700956**

Client Project: 2016-1117

Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007
Bldg. H

Dear Mr. Gallard,

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



Lab Code:102063

Enc.: Sample Results

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www.nvllabs.com

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936

PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.

Seattle, WA 98103

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1,
Bellevue WA 98007 Bldg. H

Batch #: 1700956.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 14

Samples Analyzed: 10

Method: EPA/600R-93/116

Lab ID : 17004675 Client Sample #: 2016-1117-H1-2-3

Sample Description: White thin textured powdery material with paint, Layer 1 of 2

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 17002228

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	1	49	50
2	0	50	50
3	0	50	50
4	1	49	50
5	0	50	50
6	1	49	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: Nadezhda Prysyzhnyuk

Reviewed by: Nick Ly

Date: 01/18/2017

Date: 01/19/2017

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.

PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: **Mr. Derrick Gallard**

Project Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1,
Bellevue WA 98007 Bldg. H

Batch #: 1700956.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 14

Samples Analyzed: 10

Method: EPA/600R-93/116

Lab ID : 17004680 Client Sample #: 2016-1117-H2-2-8

Sample Description: Trace white textured powdery material with paint, Layer 1 of 2

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 17002240

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	0	50	50
2	0	50	50
3	1	49	50
4	0	50	50
5	0	50	50
6	1	49	50
7	0	50	50
8	0	50	50
Total	2	398	400

Conclusion: This Sample Contains 0.5 % ASBESTOS

Sampled by: Client

Analyzed by: Nadezhda Prisyazhnyuk

Reviewed by: Nick Ly

Date: 01/18/2017

Date: 01/19/2017



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.

PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1,
Bellevue WA 98007 Bldg. H

Batch #: 1700956.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 14

Samples Analyzed: 10

Method: EPA/600R-93/116

Lab ID : 17004681 Client Sample #: 2016-1117-H2-2-9

Sample Description: White chalky material with paper and paint

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 0.0 % ASBESTOS

Comments: No Asbestos fibers were observed in the field view

Sampled by: Client

Analyzed by: Nadezhda Prsyazhnyuk

Reviewed by: Nick Ly

Date: 01/18/2017

Date: 01/19/2017

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.

PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.

Seattle, WA 98103

Attention: **Mr. Derrick Gallard**

Project Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1,
Bellevue WA 98007 Bldg. H

Batch #: 1700956.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 14

Samples Analyzed: 10

Method: EPA/600R-93/116

Lab ID : 17004682 Client Sample #: 2016-1117-H2-2-10

Sample Description: White thin textured powdery material with paint and chalky with paper

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	0	50	50
6	0	50	50
7	1	49	50
8	1	99	100
Total	4	446	450

Conclusion: This Sample Contains 0.9 % ASBESTOS

Comments: Chrysotile asbestos fibers observed in the field of view

Sampled by: Client

Analyzed by: Nadezhda Prysyzhnyuk

Reviewed by: Nick Ly

Date: 01/18/2017

Date: 01/19/2017



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.

PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1,
Bellevue WA 98007 Bldg. H

Batch #: 1700956.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 14

Samples Analyzed: 10

Method: EPA/600R-93/116

Lab ID : 17004683 Client Sample #: 2016-1117-H2-2-11

Sample Description: White chalky material with paper and layered paint

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 0.0 % ASBESTOS

Comments: No Asbestos fibers were observed in the field view

Sampled by: Client

Analyzed by: Nadezhda Prisyazhnyuk

Reviewed by: Nick Ly

Date: 01/18/2017

Date: 01/19/2017

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.

PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1,
Bellevue WA 98007 Bldg. H

Batch #: 1700956.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 14

Samples Analyzed: 10

Method: EPA/600R-93/116

Lab ID : 17004684 Client Sample #: 2016-1117-H2-2-12

Sample Description: Trace white textured powdery material with paint and chalky with paper

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	0	50	50
2	0	50	50
3	1	49	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

Comments: Chrysotile asbestos fibers observed in the field of view

Sampled by: Client

Analyzed by: Nadezhda Prysyzhnyuk

Reviewed by: Nick Ly

Date: 01/18/2017

Date: 01/19/2017

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.

PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1,
Bellevue WA 98007 Bldg. H

Batch #: 1700956.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 14

Samples Analyzed: 10

Method: EPA/600R-93/116

Lab ID : 17004685 Client Sample #: 2016-1117-H2-2-13

Sample Description: White chalky material with paper and layered paint

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 0.0 % ASBESTOS

Comments: No Asbestos fibers were observed in the field view

Sampled by: Client

Analyzed by: Nadezhda Prysyazhnyuk

Reviewed by: Nick Ly

Date: 01/18/2017

Date: 01/19/2017

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.

PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.

Seattle, WA 98103

Attention: **Mr. Derrick Gallard**

Project Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1,
Bellevue WA 98007 Bldg. H

Batch #: 1700956.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 14

Samples Analyzed: 10

Method: EPA/600R-93/116

Lab ID : 17004686 Client Sample #: 2016-1117-H2-2-14

Sample Description: White thin textured powdery material with paint and chalky with paper

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	1	49	50
2	0	50	50
3	1	49	50
4	0	50	50
5	0	50	50
6	0	50	50
7	1	49	50
8	0	50	50
Total	3	397	400

Conclusion: This Sample Contains 0.8 % ASBESTOS

Comments: Chrysotile asbestos fibers observed in the field of view

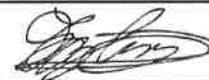
Sampled by: Client

Analyzed by: Nadezhda Prisyazhnyuk

Reviewed by: Nick Ly

Date: 01/18/2017

Date: 01/19/2017



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.

PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1,
Bellevue WA 98007 Bldg. H

Batch #: 1700956.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 14

Samples Analyzed: 10

Method: EPA/600R-93/116

Lab ID : 17004687 Client Sample #: 2016-1117-H3-2-20

Sample Description: Trace off-white compacted powdery material with layered paint, Layer 1 of 2

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 17002259

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: Nadezhda Prisyazhnyuk

Reviewed by: Nick Ly

Date: 01/18/2017

Date: 01/19/2017

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.

PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.

Seattle, WA 98103

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1,
Bellevue WA 98007 Bldg. H

Batch #: 1700956.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 14

Samples Analyzed: 10

Method: EPA/600R-93/116

Lab ID : 17004688 Client Sample #: 2016-1117-H3-2-21

Sample Description: White compacted powdery material with paint and chalky with paper and paint

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 0.0 % ASBESTOS

Comments: No Asbestos fibers were observed in the field view

Sampled by: Client

Analyzed by: Nadezhda Prisyazhnyuk

Reviewed by: Nick Ly

Date: 01/18/2017

Date: 01/19/2017

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.

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

ASBESTOS LABORATORY SERVICES



Company NVL Field Services Division	NVL Batch Number 1700956.00
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 1/20/2017 Time 9:00 AM
Cell (425) 985-1253	Email derrick.g@nvllabs.com
	Fax (206) 634-1936

Project Name/Number: 2016-1117 **Project Location:** "Cascadian Apartments" 15517 NE 12th St Bldg. H, Floor 1, Bellevue WA 98007 Bldg. H

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	17004675	2016-1117-H1-2-3	**Stop at first positive	A
2	17004676	2016-1117-H1-2-4	**	A
3	17004677	2016-1117-H1-2-5	**	A
4	17004678	2016-1117-H1-2-6	**	A
5	17004679	2016-1117-H1-2-7	**	A
6	17004680	2016-1117-H2-2-8	**Stop at first positive	A
7	17004681	2016-1117-H2-2-9	**	A
8	17004682	2016-1117-H2-2-10	**	A
9	17004683	2016-1117-H2-2-11	**	A
10	17004684	2016-1117-H2-2-12	**	A
11	17004685	2016-1117-H2-2-13	**	A
12	17004686	2016-1117-H2-2-14	**	A
13	17004687	2016-1117-H3-2-20	**Stop at first positive	A
14	17004688	2016-1117-H3-2-21	**	A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Mychelle Bentley		NVL	1/18/17	900
Analyzed by	Nadezhda		NVL	1/18/17	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions: Samples originally from Batch #1700441. Stop at first positive.

Date: 1/18/2017
 Time: 9:12 AM
 Entered By: Mychelle Bentley

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

**CHAIN of CUSTODY
SAMPLE LOG**

1700956

5

Client NVL Laboratories Inc
 Street 4708 Aurora Ave N
Seattle, WA 98103
 Project Manager Syed Hasan
 Project Location "Cascadian Apartments" 15517 NE 12th St
Bellevue, WA 98007 -BLD H-

NVL Batch Number _____
 Client Job Number 2016-1117
 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		2016-1117-H1-2-3	STOP @ 1 ST POSITIVE - BATCH # 1700441.00	
2		-2-4	↓	
3		-2-5	↓	
4		-2-6	↓	
5		-2-7	↓	
6		H2-2-8	STOP @ 1 ST POSITIVE	
7		-2-9	↓	
8		-2-10	↓	
9		-2-11	↓	
10		-2-12	↓	
11		-2-13	↓	
12		-2-14	↓	
13		H3-2-20	STOP @ 1 ST POSITIVE	
14		-2-21	↓	
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	DERRICK G.		NVL	1/10/12	9:00am
Relinquished by			NVL	1/18/12	9:00am
Received by	Michelle Bentley		NVL	1-18-12	9:00am
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

January 19, 2017



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

**RE: Bulk Asbestos Fiber Concentration by Point Count
NVL Batch # 1700958**

Client Project: 2016-1117

Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007 Bldg. P

Dear Mr. Gallard,

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



Lab Code:102063

Enc.: Sample Results

1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936

PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007
Bldg. P

Batch #: 1700958.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 21

Samples Analyzed: 9

Method: EPA/600R-93/116

Lab ID : 17004710 Client Sample #: 2016-1117-P1-2-1

Sample Description: White textured powdery material with paint, Layer 1 of 2

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 17002707

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	1	49	50
2	0	50	50
3	1	49	50
4	1	49	50
5	1	49	50
6	1	49	50
7	0	50	50
8	0	50	50
Total	5	395	400

Conclusion: This Sample Contains 1.3 % ASBESTOS

Sampled by: Client
Analyzed by: Lori Tseng
Reviewed by: Nick Ly

Date: 01/18/2017
Date: 01/19/2017



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.

NVL Laboratories, Inc.

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PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007
Bldg. P**Batch #: 1700958.00**

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 21

Samples Analyzed: 9

Method: EPA/600R-93/116

Lab ID : 17004717 Client Sample #: 2016-1117-P2-2-8**Sample Description:** White textured powdery material with paint, Layer 1 of 2

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 17002721

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	1	49	50
2	0	50	50
3	0	50	50
4	2	48	50
5	1	49	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:** Lori Tseng**Reviewed by:** Nick Ly**Date:** 01/18/2017**Date:** 01/19/2017

A handwritten signature in black ink, appearing to read 'Nick Ly', is written over a horizontal line.

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.

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**PLM Point Count
Bulk Asbestos Fibers Analysis**

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: **Mr. Derrick Gallard**

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007
Bldg. P

Batch #: 1700958.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 21

Samples Analyzed: 9

Method: EPA/600R-93/116

Lab ID : 17004724 Client Sample #: 2016-1117-P3-2-15

Sample Description: White textured powdery material with layered paint, Layer 1 of 2

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 17002735

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: Lori Tseng

Reviewed by: Nick Ly

Date: 01/18/2017

Date: 01/19/2017

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.

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**PLM Point Count
Bulk Asbestos Fibers Analysis**

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007
Bldg. P

Batch #: 1700958.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 21

Samples Analyzed: 9

Method: EPA/600R-93/116

Lab ID : 17004725 Client Sample #: 2016-1117-P3-2-16

Sample Description: White trace textured powdery material with layered paint, Layer 1 of 2

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	1	49	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	1	399	400

Conclusion: This Sample Contains 0.3 % ASBESTOS

Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 01/18/2017

Date: 01/19/2017

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.

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**PLM Point Count
Bulk Asbestos Fibers Analysis**

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: **Mr. Derrick Gallard**

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007
Bldg. P

Batch #: 1700958.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 21

Samples Analyzed: 9

Method: EPA/600R-93/116

Lab ID : 17004726 Client Sample #: 2016-1117-P3-2-17

Sample Description: White textured powdery material with layered paint, Layer 1 of 2

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	1	49	50
2	0	50	50
3	1	49	50
4	0	50	50
5	0	50	50
6	0	50	50
7	0	50	50
8	0	50	50
Total	2	398	400

Conclusion: This Sample Contains 0.5 % ASBESTOS

Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 01/18/2017

Date: 01/19/2017

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.

PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: **Mr. Derrick Gallard**

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007
Bldg. P

Batch #: 1700958.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 21

Samples Analyzed: 9

Method: EPA/600R-93/116

Lab ID : 17004727 Client Sample #: 2016-1117-P3-2-18

Sample Description: White chalky material with layered paint and paper

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 0.0 % ASBESTOS

Comments: No textured powdery material detected in this sample

Sampled by: Client
Analyzed by: Lori Tseng
Reviewed by: Nick Ly

Date: 01/18/2017
Date: 01/19/2017

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.

PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007
Bldg. P

Batch #: 1700958.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 21

Samples Analyzed: 9

Method: EPA/600R-93/116

Lab ID : 17004728 Client Sample #: 2016-1117-P3-2-19

Sample Description: White chalky material with paper and layered paint

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 0.0 % ASBESTOS

Comments: No textured powdery material detected in this sample

Sampled by: Client
Analyzed by: Lori Tseng
Reviewed by: Nick Ly

Date: 01/18/2017
Date: 01/19/2017

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.

**PLM Point Count
Bulk Asbestos Fibers Analysis**

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

Attention: **Mr. Derrick Gallard**

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007
Bldg. P

Batch #: 1700958.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 21

Samples Analyzed: 9

Method: EPA/600R-93/116

Lab ID : 17004729 Client Sample #: 2016-1117-P3-2-20

Sample Description: White textured powdery material with layered paint, Layer 1 of 2

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	1	49	50
Total	1	399	400

Conclusion: This Sample Contains 0.3 % ASBESTOS

Sampled by: Client
Analyzed by: Lori Tseng
Reviewed by: Nick Ly

Date: 01/18/2017
Date: 01/19/2017



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.

PLM Point Count Bulk Asbestos Fibers Analysis

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.

Seattle, WA 98103

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007

Bldg. P

Batch #: 1700958.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 21

Samples Analyzed: 9

Method: EPA/600R-93/116

Lab ID : 17004730 Client Sample #: 2016-1117-P3-2-21

Sample Description: White chalky material with paper and layered paint

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 0.0 % ASBESTOS

Comments: No textured powdery material detected in this sample.

Sampled by: Client

Analyzed by: Lori Tseng

Reviewed by: Nick Ly

Date: 01/18/2017

Date: 01/19/2017

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.

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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 (425) 985-1253

NVL Batch Number **1700958.00**
TAT 2 Days **AH No**
Rush TAT
Due Date 1/20/2017 **Time** 9:00 AM
Email derrick.g@nvllabs.com
Fax (206) 634-1936

Project Name/Number: 2016-1117 **Project Location:** "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007 Bldg. P

Subcategory PLM Bulk

Item Code ASB-03 **EPA 600/R-93-1.16 Asbestos by PLM (400 points) <bulk>**

Total Number of Samples 21

Rush Samples _____

Lab ID	Sample ID	Description	A/R	
1	17004710	2016-1117-P1-2-1	**Stop at first positive	A
2	17004711	2016-1117-P1-2-2	**	A
3	17004712	2016-1117-P1-2-3	**	A
4	17004713	2016-1117-P1-2-4	**	A
5	17004714	2016-1117-P1-2-5	**	A
6	17004715	2016-1117-P1-2-6	**	A
7	17004716	2016-1117-P1-2-7	**	A
8	17004717	2016-1117-P2-2-8	**Stop at first positive	A
9	17004718	2016-1117-P2-2-9	**	A
10	17004719	2016-1117-P2-2-10	**	A
11	17004720	2016-1117-P2-2-11	**	A
12	17004721	2016-1117-P2-2-12	**	A
13	17004722	2016-1117-P2-2-13	**	A
14	17004723	2016-1117-P2-2-14	**	A
15	17004724	2016-1117-P3-2-15	**Stop at first positive	A
16	17004725	2016-1117-P3-2-16	**	A
17	17004726	2016-1117-P3-2-17	**	A
18	17004727	2016-1117-P3-2-18	**	A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Mychelle Bentley		NVL	1/18/17	900
Analyzed by	Lori Tseng		NVL	1/18/17	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions: Samples originally from Batch #1700536. Stop at first positive.

Date: 1/18/2017
 Time: 9:22 AM
 Entered By: Mychelle Bentley

NVL Laboratories, Inc.

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ASBESTOS LABORATORY SERVICES



Company NVL Field Services Division	NVL Batch Number 1700958.00
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 1/20/2017 Time 9:00 AM
Cell (425) 985-1253	Email derrick.g@nvllabs.com
	Fax (206) 634-1936

Project Name/Number: 2016-1117	Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007 Bldg. P
---------------------------------------	--

Subcategory PLM Bulk

Item Code ASB-03 EPA 600/R-93-116 Asbestos by PLM (400 points) <bulk>

Total Number of Samples 21

Rush Samples

Lab ID	Sample ID	Description	A/R
19	17004728	2016-1117-P3-2-19	** A
20	17004729	2016-1117-P3-2-20	** A
21	17004730	2016-1117-P3-2-21	** A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Mychelle Bentley		NVL	1/18/17	900
Analyzed by	Lori Tseng		NVL	1/18/17	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Samples originally from Batch #1700536. Stop at first positive.
Instructions:

Date: 1/18/2017
 Time: 9:22 AM
 Entered By: Mychelle Bentley

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

**CHAIN of CUSTODY
SAMPLE LOG**

1700958



Client NVL Laboratories Inc
 Street 4708 Aurora Ave N
Seattle, WA 98103
 Project Manager Syed Hasan
 Project Location "Cascadian Apartments" 15517 NE 12th St
Bellevue, WA 98007 -BLD P-

NVL Batch Number _____
 Client Job Number 2016-1117
 Total Samples 21
 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	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		2016-1117-P1-2-1	STOP @ 1st POSITIVE - BATCH # 1700536.00	
2		-2-2		
3		-2-3		
4		-2-4		
5		-2-5		
6		-2-6		
7		-2-7		
8		PD-2-8	STOP @ 1st POSITIVE	
9		-2-9		
10		-2-10		
11		-2-11		
12		-2-12		
13		-2-13		
14		-2-14		
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	DERRICK	<i>[Signature]</i>	NVL	1/10/17	9:00
Relinquished by	DERRICK	<i>[Signature]</i>	NVL	1/18/17	9:00
Received by	Mychelle Bentley	<i>[Signature]</i>	NVL	1-18-17	9:00am
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

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

**CHAIN of CUSTODY
SAMPLE LOG**

1700958

Client NVL Laboratories Inc

Street 4708 Aurora Ave N
Seattle, WA 98103

Project Manager Syed Hasan

Project Location "Cascadian Apartments" 15517 NE 12th St
Bellevue, WA 98007 - BLD P-

NVL Batch Number _____

Client Job Number 2016-1117

Total Samples 21

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 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 type="checkbox"/> Asbestos Bulk	<input 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"/> 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		2016-1117-P3-2-15	STOP @ 1ST POSITIVE - BATCH # 1700536.00	
2		-2-16		
3		-2-17		
4		-2-18		
5		-2-19		
6		-2-20		
7		-2-21		
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	DERRICK G	[Signature]	NVL	4/10/17	9:00
Relinquished by	[Signature]	[Signature]	NVL	1/18/17	9:00
Received by	Michelle Bentley	[Signature]	NVL	1-18-17	9:00am
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

January 19, 2017

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



INDUSTRIAL
HYGIENE
SERVICES

Laboratory | Management | Training

**RE: Bulk Asbestos Fiber Concentration by Point Count
NVL Batch # 1700954**

Client Project: 2016-1117

Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007 Bldg. M

Dear Mr. Gallard,

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

1.888.NVL.LABS
1.888.(685.5227)
www.nvllabs.com

NVL Laboratories, Inc.
4708 Aurora Ave N, Seattle, WA 98103
p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com



**PLM Point Count
Bulk Asbestos Fibers Analysis**

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

Attention: **Mr. Derrick Gallard**

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007
Bldg. M

Batch #: 1700954.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 21

Samples Analyzed: 5

Method: EPA/600R-93/116

Lab ID : 17004654 Client Sample #: 2016-1117-M1-2-1

Sample Description: White thin textured powdery material with paint, Layer 1 of 2

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 17002753

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	1	49	50
2	0	50	50
3	0	50	50
4	1	49	50
5	0	50	50
6	1	49	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: Nadezhda Prysazhnyuk

Reviewed by: Nick Ly

Date: 01/18/2017

Date: 01/19/2017

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.

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**PLM Point Count
Bulk Asbestos Fibers Analysis**

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: **Mr. Derrick Gallard**

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007
Bldg. M

Batch #: 1700954.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 21

Samples Analyzed: 5

Method: EPA/600R-93/116

Lab ID : 17004655 Client Sample #: 2016-1117-M1-2-2

Sample Description: Trace white textured powdery material with paint, chalky with paper

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: Chrysotile asbestos fibers observed in the field of view but not counted as points

Sampled by: Client

Analyzed by: Nadezhda Prysazhnyuk

Reviewed by: Nick Ly

Date: 01/18/2017

Date: 01/19/2017

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.

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**PLM Point Count
Bulk Asbestos Fibers Analysis**

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007
Bldg. M

Batch #: 1700954.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 21

Samples Analyzed: 5

Method: EPA/600R-93/116

Lab ID : 17004656 Client Sample #: 2016-1117-M1-2-3

Sample Description: White textured powdery material with paint, chalky with paper

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	1	49	50
2	0	50	50
3	1	49	50
4	1	49	50
5	0	50	50
6	1	49	50
7	0	50	50
8	1	49	50
Total	5	395	400

Conclusion: This Sample Contains 1.3 % ASBESTOS

Comments: Chrysotile asbestos fibers observed in the field of view

Sampled by: Client

Analyzed by: Nadezhda Prysyzhnyuk

Reviewed by: Nick Ly

Date: 01/18/2017

Date: 01/19/2017

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.

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**PLM Point Count
Bulk Asbestos Fibers Analysis**

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

Attention: **Mr. Derrick Gallard**

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007
Bldg. M

Batch #: 1700954.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 21

Samples Analyzed: 5

Method: EPA/600R-93/i16

Lab ID : 17004661 Client Sample #: 2016-1117-M2-2-8

Sample Description: White thin textured powdery material with paint, Layer 1 of 2

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 17002767

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	0	50	50
2	1	49	50
3	1	49	50
4	1	49	50
5	0	50	50
6	1	49	50
7	1	49	50
8	0	50	50
Total	5	395	400

Conclusion: This Sample Contains 1.3 % ASBESTOS

Sampled by: Client

Analyzed by: Nadezhda Prysyzhnyuk

Reviewed by: Nick Ly

Date: 01/18/2017

Date: 01/19/2017

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.

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**PLM Point Count
Bulk Asbestos Fibers Analysis**

Client: NVL Field Services Division

Address: 4708 Aurora Ave. N.
Seattle, WA 98103

Attention: Mr. Derrick Gallard

Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007
Bldg. M

Batch #: 1700954.00

Client Project #: 2016-1117

Date Received: 1/18/2017

Samples Received: 21

Samples Analyzed: 5

Method: EPA/600R-93/116

Lab ID : 17004668 Client Sample #: 2016-1117-M3-2-15

Sample Description: White textured powdery material with paint, Layer 1 of 2

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 17002781

Prep Slide #	Asbestos Point	Non Asbestos Point	Total Points Counted
1	1	49	50
2	0	50	50
3	0	50	50
4	0	50	50
5	1	49	50
6	2	48	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: Nadezhda Prisyazhnyuk

Reviewed by: Nick Ly

Date: 01/18/2017

Date: 01/19/2017

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.

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ASBESTOS LABORATORY SERVICES



Company NVL Field Services Division	NVL Batch Number 1700954.00
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 1/20/2017 Time 9:00 AM
Cell (425) 985-1253	Email derrick.g@nvllabs.com
	Fax (206) 634-1936

Project Name/Number: 2016-1117	Project Location: "Cascadian Apartments" 15517 NE 12th St. Bellevue, WA 98007 Bldg. M
---------------------------------------	--

Subcategory PLM Bulk

Item Code ASB-03 EPA 600/R-93-116 Asbestos by PLM (400 points) <bulk>

Total Number of Samples 21

Rush Samples

Lab ID	Sample ID	Description	A/R
1	17004654	2016-1117-M1-2-1 Stop @ 1st Pos.	A
2	17004655	2016-1117-M1-2-2 ***	A
3	17004656	2016-1117-M1-2-3 ***	A
4	17004657	2016-1117-M1-2-4 ***	A
5	17004658	2016-1117-M1-2-5 ***	A
6	17004659	2016-1117-M1-2-6 ***	A
7	17004660	2016-1117-M1-2-7 ***	A
8	17004661	2016-1117-M2-2-8 Stop @ 1st Pos.	A
9	17004662	2016-1117-M2-2-9 ***	A
10	17004663	2016-1117-M2-2-10 ***	A
11	17004664	2016-1117-M2-2-11 ***	A
12	17004665	2016-1117-M2-2-12 ***	A
13	17004666	2016-1117-M2-2-13 ***	A
14	17004667	2016-1117-M2-2-14 ***	A
15	17004668	2016-1117-M3-2-15 Stop @ 1st Pos.	A
16	17004669	2016-1117-M3-2-16 ***	A
17	17004670	2016-1117-M3-2-17 ***	A
18	17004671	2016-1117-M3-2-18 ***	A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Fatima Khan		NVL	1/18/17	900
Analyzed by	Nadezhda		NVL	1/18/17	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Samples originally from batch# 1700539
Instructions:

Date: 1/18/2017
 Time: 9:10 AM
 Entered By: Fatima Khan

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

**CHAIN of CUSTODY
SAMPLE LOG**

1700954



Client NVL Laboratories Inc
 Street 4708 Aurora Ave N
Seattle, WA 98103
 Project Manager Syed Hasan
 Project Location "Cascadian Apartments" 15517 NE 12th St
Bellevue, WA 98007 - BLD M-

NVL Batch Number _____
 Client Job Number 2016-1117
 Total Samples 21
 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	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		2016-1117-M1-2-1	STOP @ 1 ST POSITIVE - BATCH # 1700539.00	
2		-2-2		
3		-2-3		
4		-2-4		
5		-2-5		
6		-2-6		
7		-2-7		
8		M2-2-8	STOP @ 1 ST POSITIVE	
9		-2-9		
10		-2-10		
11		-2-11		
12		-2-12		
13		-2-13		
14		-2-14		
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	DEARILL G.	DL	NVL	4/10/17	9:2
Relinquished by	[Signature]	[Signature]	NVL	1/18/17	9:1a
Received by	[Signature]	[Signature]	Nvllabs	1/18/17	9:00a
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

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

**CHAIN of CUSTODY
SAMPLE LOG**

1700954



Client NVL Laboratories Inc
Street 4708 Aurora Ave N
 Seattle, WA 98103
Project Manager Syed Hasan
Project Location "Cascadian Apartments" 15517 NE 12th St
 Bellevue, WA 98007 **-BLD M-**

NVL Batch Number _____
Client Job Number 2016-1117
Total Samples 21
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
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"/> 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		2016-1117-M3-2-15	STOP @ 1ST POSITIVE - BATCH # 1700539.00	
2		-2-16		
3		-2-17		
4		-2-18		
5		-2-19		
6		-2-20		
7		-2-21		
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	DERRICK	[Signature]	NVL	1/10/12	9:00
Relinquished by	DERRICK	[Signature]	NVL	1/18/12	9:00
Received by	[Signature]	[Signature]	Nevlabs	1/18/12	9:00am
Analyzed by					
Results Called by					
Results Faxed by					

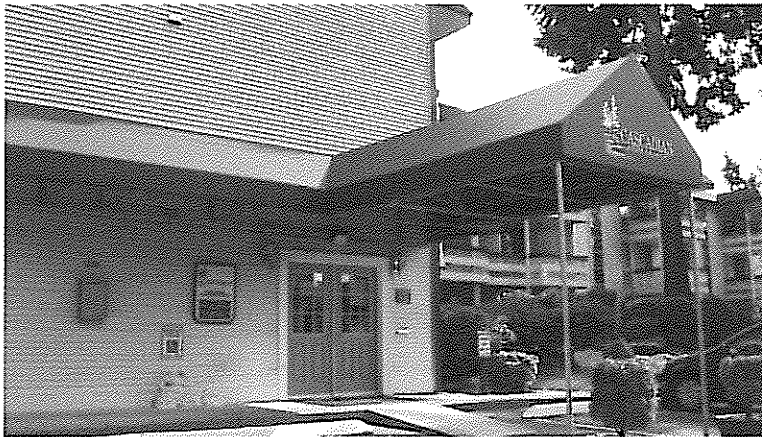
Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
 Results report to _____



ORIGINAL

Lead-Based Paint Inspection Report

"Cascadian Apartments"
15517 NE 12th Street
Bellevue, WA 98007



Date Prepared
October 13, 2010

Prepared for:
Mr. Hugh Watkinson
King County Housing Authority
600 Andover Park W.
Seattle, WA 98188

NVL PROJECT # 2010-636

NVL Laboratories, Inc., 4708 Aurora Ave. N., Seattle, WA 98103
Phone (206) 547-0100 • Fax (206) 634-1936

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FLOOR PLANS	B
HUD MULTI-FAMILY FLOW CHART	C
Risk Assessors Certifications & Lab. Qualifications	D

1.0 SUMMARY

A lead-based paint inspection was conducted on a multi-family residential complex "Cascadian Apartments" located at 15517 NE 12th Street, Bellevue, Washington. At the request of Mr. Hugh Watkinson of King County Housing Authority, Mr. Antonio Herrera, a Washington Department of Commerce (WA-DOC) certified Lead Risk Assessor and representative of NVL Laboratories, Inc conducted this lead based paint inspection on October 11 and October 12, 2010. Tanveer Khan, a WA-DOC certified lead based paint inspector and additional representative of NVL Laboratories, assisted in the inspection on October 12, 2010.

A total of 27 apartment units, exteriors and common areas have been inspected for lead based paint to satisfy the EPA Renovation, Repair and Painting (RRP) guidelines for the evaluation and control of Lead-Based Paint hazards in multi-family housing.

Painted surfaces were evaluated with Niton XLp 300A spectrum analyzers. For this inspection two Niton analyzers were used, the serial numbers for those analyzers are 25392TR1368 and 17840NR9395. Exterior and interior living areas were evaluated for lead hazards.

The instrument was auto-calibrated just prior to testing. Immediately after a NIST reference sample was tested in triplicate. These values were averaged and found to be within the accepted limits (NIST SRM used for calibration was 1.04 +/- 0.06). Calibration check was also performed every four hours and at the end of the testing for each day/shift.

All building components facing the main entrance into each unit are labeled as Side A and increases clockwise or anti clockwise depending on the floor plan. Room equivalent (an identifiable part of a residence such as a room, house exterior, staircase, hallway, or a painted exterior area) is numbered starting as Room 1 in the entry room and increases clockwise or anti-clockwise (depending on the floor plan) as indicated in Appendix B (Floor Plan).

For common areas testing, main entrances into the area (office, stairs, laundry rooms) are labeled as Side A and increases clockwise. For the exterior, all components facing "NE 12th Street" are labeled as Side A components and increases clockwise.

SITE DESCRIPTION

This is a 197 unit apartment complex split into 14 different structures. Of the 27 units inspected on October 11 and October 12 of 2010, 15 were one bedroom one restroom units, and 12 were two bedroom two restroom units.

The primary external components for the units are a concrete footing/foundation, and wood siding.

Windows are vinyl replacement windows with original sill/stool. There were no window casings identified on the interior of the units. Window casings were found to be present on the exterior of the buildings.

Each unit inspected is associated with one of the attached floor plans included with this report. All units include an entry area, a hallway, living room/dinette, kitchen, and at least one restroom.

The interior walls are drywall throughout. The kitchens have cabinets which may or may not be painted. The floors are carpeted in the living room, the hallway and bedrooms. There is sheet vinyl in the kitchen/dinette and restrooms.

The paint on the interior and exterior is mostly in "Fair" condition.

Please note that the following units were tested in this order for lead-based paint during this inspection.

DATE – OCTOBER 11, 2010		DATE – OCTOBER 12, 2010	
ORDER	UNIT/AREA	ORDER	UNIT/AREA
1	OFFICE	17	UNIT D111
2	UNIT A138	18	UNIT D109
3	UNIT C142	19	UNIT F113
4	UNIT C343	20	UNIT F215
5	UNIT E350	21	UNIT H119
6	UNIT E349	22	UNIT H117
7	UNIT G354	23	UNIT K126
8	UNIT G152	24	UNIT K325
9	UNIT J355	25	UNIT P234
10	UNIT J157	26	UNIT P136
11	UNIT L360	27	UNIT M327
12	UNIT L159	28	UNIT M129
13	UNIT N366		
14	UNIT N164		
15	UNIT B303		
16	UNIT B103		

2.0 FINDINGS

Painted Surfaces:

Paint film condition is rated Intact, Fair, or Poor according to HUD guidelines. These paint film conditions vary depending on whether their surface is an interior or exterior surface, large or small building component. The three condition ratings are described as follows:

- An "Intact" paint film has no significant evidence of paint failure.
- A "Fair" paint film has less than or equal to 10 ft² paint deterioration on large exterior components and less than or equal to 2 ft² paint deterioration on large interior components; or less than or equal to 10 percent (%) deterioration of the total surface areas of small interior and exterior components. Paint films that are in "Fair" condition have some paint failure in the form of peeling or chipping paint, chalking, or signs of friction impact. Although lead-based paint in fair condition would have some form of paint failure, it is below accepted de-minimus levels and is not considered to be an immediate hazard.
- A "Poor" paint film has more than 10 ft² deterioration on large exterior components, more than 2 ft² deterioration on large interior components and more than 10% deterioration on both interior and exterior small components.

The United States Environmental Protection Agency (EPA) and WA-DOC define LBP as the presence of Lead at or above **1.0 mg/cm²** or **0.5 % by weight** lead in paint as defined in Washington Administrative Code (WAC) 365-230.

A total of one thousand seven hundred and fifty (1750) XRF analyses (including calibration readings) were taken on the interior and exterior painted components of the subject multi-family residential property.

Out of one thousand seven hundred and twenty (1720) testing combinations within the subject dwelling, **NONE (0)** of the testing combinations tested positive for LBP, which is defined as at or above the EPA and WA-DOC threshold of 1.0 mg/cm² lead.

Appendix A contains a detailed summary of the components tested, including XRF and calibration data. All positive readings in the XRF data sheets have been highlighted in gray.

3.0 LABORATORY INFORMATION

LABORATORY ANALYSIS OF PAINT

Paints that have inconclusive results by XRF analysis are collected and analyzed in our laboratory using Flame Atomic Absorption (FAA) or Graphite Furnace Analysis (GFA) depending upon the detection limit requirement for a given sample. Since there are no "Inconclusive" readings, no paint chip sample were collected from this site.

LABORATORY ACCREDITATION

AIHA-ELLAP: American Industrial Hygiene Association (AIHA) under the Environmental Lead Laboratory Accreditation Program (ELLAP). The ELLAP accreditation is required for a lab performing paint, soil or dust analysis for the presence of lead to be in compliance under EPA National Lead Laboratory Accreditation program (NLLAC)

AIHA-IHLAP: 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. (Cert. No. 101861).

DOE: Accredited by the Washington State Department of Ecology for Resource Conservation and Recovery Act (RCRA) metals analysis.

4.0 CONCLUSION AND RECOMMENDATION

- Lead-based paint was **not discovered** during the lead-based paint inspection of the Cascadian Apartments complex located at 15517 NE 12th Street, Bellevue, WA 98007.
- A copy of this report must be provided to new tenants and purchasers of this property under 24 Code of Federal Regulations (CFR) Part 35 and 40 CFR Part 745. Landlords and sellers are also required to distribute an educational pamphlet to ensure that parents have the information they need to protect their children from lead-based paint hazards
- Those surfaces that do not contain lead-based paint at or above federal standards of 1.0 mg/cm² or 0.5 percent lead by weight may still pose a hazard if disturbed.
- Occupational Safety and Health Administration (OSHA) and the Department of Labor and Industries, Division of Occupational Safety and Health (DOSH) regulate worker safety and health in construction and demolition work that impacts surface films with detectable levels of lead.

5.0 LIMITATIONS

This Lead-Based Paint Inspection Report has been prepared for the exclusive use of the Client named herein at the specified Site Address. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. NVL Laboratories, Inc. (NVL) accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report. This report is based upon and conducted in accordance with HUD Guidelines and WA-DOC rules in effect at the time of this inspection. NVL has no duty to update this report based on subsequent regulatory changes.

NVL is not responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time the report was prepared. Areas not accessible at the time of the Inspection are excluded from this report. NVL also notes that the facts and conditions referenced in this report may change overtime, and that the conclusions set forth here are applicable to the facts and conditions as described at the time of this report. We believe that the conditions stated here are factual, but no guarantee is made or implied.

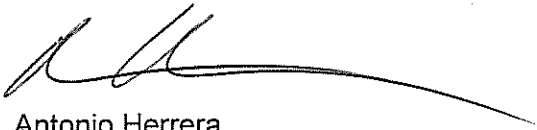
This document is the sole property of NVL Laboratories and the property owner, or his agent, authorizing this Inspection.

Inspected by:



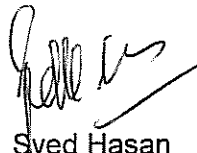
Tanveer Khan
Washington DOC-certified Lead Risk Assessor
Certification #: 6110
Expires on: January 13, 2013

Inspected/Prepared by:



Antonio Herrera
Washington DOC-certified Lead Risk Assessor
Certification #: 0172
Expires on: September 8th, 2011

Reviewed by:



Syed Hasan
Manager Field Services
Certification #: 0171
Expires on: December 12, 2011



Appendix A

INSTRUMENT (XRF) & CALIBRATION DATA

NVL Laboratories, Inc.

4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936

1.888.NVLLABS(685.5227), www.nvllabs.com

Calibration Check Test Results



Date: Oct 11, 2010

Client: King County Housing Authority

Project Location: "Cascadian Apartment" 15517 NE. 12th Street


NVL Project #: 2010-636

Device: Niton XL 309 Spectrum Analyzer

XRF Serial #: 25392TR1368

Inspected by: Antonio Herrera

Certification #: 0172

Inspector Signature: 

Expiration Date: Sep 08, 2011

NIST SRM Used 1.04 mg/cm²

Calibration Check Tolerance Used

+/- 0.06 mg/cm²

First Calibration Check

NIST SRM			Average
First Reading	Second Reading	Third Reading	
<u>1.1</u>	<u>1.2</u>	<u>1.0</u>	<u>1.1</u>

Second Calibration Check

NIST SRM			Average
First Reading	Second Reading	Third Reading	
<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>

Third Calibration Check (if required)

			Average
First Reading	Second Reading	Third Reading	
<u>1.1</u>	<u>1.0</u>	<u>1.0</u>	<u>1.03</u>

Fourth Calibration Check (if required)

NIST SRM			Average
First Reading	Second Reading	Third Reading	

NITON
 Serial # XLP 300A - 25392TR1368
 PAINT

Inspected by: Antonio Herrera; WA / DOC Lead-Based Paint Inspector Certification # 0172 (Expires on; September 8, 2011)
 Site: "Cascadian Apartments" - 15517 NE 12th Street, Bellevue, WA 98007
 Date: 10/11/2010 9:30AM

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	UNIT	FLOOR	ROOM	Results	PbC
1	10/11/2010 9:40										5.48
2	10/11/2010 9:45									Positive	1.1
3	10/11/2010 9:45									Positive	1.2
4	10/11/2010 9:45									Positive	1
5	10/11/2010 9:52	WALL	DRYWALL	A	FAIR	WHITE	OFFICE	1	1	Positive	0
6	10/11/2010 9:52	DOOR	WOOD	A	FAIR	BEIGE	OFFICE	1	1	Negative	-0.3
7	10/11/2010 9:52	DOOR CASING	WOOD	A	FAIR	WHITE	OFFICE	1	1	Negative	0
8	10/11/2010 9:52	WALL	DRYWALL	B	FAIR	WHITE	OFFICE	1	1	Negative	0
9	10/11/2010 9:53	WALL	DRYWALL	C	FAIR	WHITE	OFFICE	1	1	Negative	0
10	10/11/2010 9:53	WALL	DRYWALL	D	FAIR	WHITE	OFFICE	1	1	Negative	0
11	10/11/2010 9:53	WALL	DRYWALL	A	FAIR	WHITE	OFFICE	1	2	Negative	0
12	10/11/2010 9:53	WALL	DRYWALL	B	FAIR	WHITE	OFFICE	1	2	Negative	0
13	10/11/2010 9:53	WALL	DRYWALL	C	FAIR	WHITE	OFFICE	1	2	Negative	0
14	10/11/2010 9:54	WALL	DRYWALL	D	FAIR	WHITE	OFFICE	1	2	Negative	0
15	10/11/2010 9:54	DOOR JAMB	WOOD	D	FAIR	WHITE	OFFICE	1	2	Negative	0.01
16	10/11/2010 9:54	DOOR JAMB	WOOD	C	FAIR	WHITE	OFFICE	1	2	Negative	0
17	10/11/2010 9:55	WALL	DRYWALL	A	FAIR	WHITE	OFFICE	1	3	Negative	0
18	10/11/2010 9:55	WALL	DRYWALL	B	FAIR	WHITE	OFFICE	1	3	Negative	0
19	10/11/2010 9:55	WALL	DRYWALL	C	FAIR	WHITE	OFFICE	1	3	Negative	0
20	10/11/2010 9:55	WALL	DRYWALL	D	FAIR	WHITE	OFFICE	1	3	Negative	0
21	10/11/2010 9:55	DOOR JAMB	WOOD	A	FAIR	WHITE	OFFICE	1	3	Negative	0
22	10/11/2010 9:55	WINDOW STOOL	WOOD	A	FAIR	WHITE	OFFICE	1	3	Negative	0
23	10/11/2010 9:56	WALL	DRYWALL	A	FAIR	WHITE	OFFICE	1	4	Negative	0.03
24	10/11/2010 9:56	WALL	DRYWALL	B	FAIR	WHITE	OFFICE	1	4	Negative	0.02
25	10/11/2010 9:56	WALL	DRYWALL	C	FAIR	WHITE	OFFICE	1	4	Negative	0.01
26	10/11/2010 9:56	WALL	DRYWALL	D	FAIR	WHITE	OFFICE	1	4	Negative	0.04
27	10/11/2010 9:57	DOOR	WOOD	A	FAIR	WHITE	OFFICE	1	4	Negative	0
28	10/11/2010 9:57	DOOR JAMB	WOOD	A	FAIR	WHITE	OFFICE	1	4	Negative	0.04
29	10/11/2010 9:57	WALL	DRYWALL	A	FAIR	WHITE	OFFICE	1	5	Negative	0
30	10/11/2010 9:58	WALL	DRYWALL	B	FAIR	WHITE	OFFICE	1	5	Negative	0.01
31	10/11/2010 9:58	WALL	DRYWALL	C	FAIR	WHITE	OFFICE	1	5	Negative	0.01
32	10/11/2010 9:58	WALL	DRYWALL	D	FAIR	WHITE	OFFICE	1	5	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	UNIT	FLOOR	ROOM	Results	PbC
33	10/11/2010 9:58	DOOR JAMB	WOOD	A	FAIR	WHITE	OFFICE	1	5	Negative	0
34	10/11/2010 9:59	WALL	DRYWALL	A	FAIR	WHITE	OFFICE	1	6	Negative	0
35	10/11/2010 9:59	WALL	DRYWALL	B	FAIR	WHITE	OFFICE	1	6	Negative	0
36	10/11/2010 9:59	WALL	DRYWALL	C	FAIR	WHITE	OFFICE	1	6	Negative	0
37	10/11/2010 9:59	WALL	DRYWALL	D	FAIR	WHITE	OFFICE	1	6	Negative	0.03
38	10/11/2010 9:59	DOOR JAMB	WOOD	A	FAIR	WHITE	OFFICE	1	6	Negative	0
39	10/11/2010 10:00	WALL	DRYWALL	A	FAIR	WHITE	OFFICE	1	7	Negative	0
40	10/11/2010 10:00	WALL	DRYWALL	B	FAIR	WHITE	OFFICE	1	7	Negative	0
41	10/11/2010 10:00	WALL	DRYWALL	C	FAIR	WHITE	OFFICE	1	7	Negative	0.02
42	10/11/2010 10:00	WALL	DRYWALL	D	FAIR	WHITE	OFFICE	1	7	Negative	0
43	10/11/2010 10:02	WALL	DRYWALL	A	FAIR	WHITE	A BUILDING	1	HALL	Negative	0.01
44	10/11/2010 10:02	WINDOW STOOL	WOOD	A	FAIR	BLUE	A BUILDING	1	HALL	Negative	0
45	10/11/2010 10:02	BASEBOARD	WOOD	A	FAIR	WHITE	A BUILDING	1	HALL	Negative	0.03
46	10/11/2010 10:03	WALL	DRYWALL	C	FAIR	WHITE	A BUILDING	1	HALL	Negative	0
47	10/11/2010 10:03	DOOR	WOOD	D	FAIR	BLUE	A BUILDING	1	HALL	Negative	0.01
48	10/11/2010 10:03	DOOR JAMB	WOOD	D	FAIR	BLUE	A BUILDING	1	HALL	Negative	0
49	10/11/2010 10:06	WALL	DRYWALL	A	FAIR	WHITE	A138	1	1	Negative	0
50	10/11/2010 10:06	WALL	DRYWALL	B	FAIR	WHITE	A138	1	1	Negative	0
51	10/11/2010 10:06	WALL	DRYWALL	D	FAIR	WHITE	A138	1	1	Negative	0
52	10/11/2010 10:06	DOOR	WOOD	A	FAIR	WHITE	A138	1	1	Negative	0
53	10/11/2010 10:06	DOOR CASING	WOOD	A	FAIR	WHITE	A138	1	1	Negative	0
54	10/11/2010 10:07	DOOR JAMB	WOOD	A	FAIR	WHITE	A138	1	1	Negative	0
55	10/11/2010 10:07	WALL	DRYWALL	A	FAIR	WHITE	A138	1	2	Negative	0
56	10/11/2010 10:07	WALL	DRYWALL	C	FAIR	WHITE	A138	1	2	Negative	0.01
57	10/11/2010 10:07	WALL	DRYWALL	D	FAIR	WHITE	A138	1	2	Negative	0.01
58	10/11/2010 10:08	CABINET	WOOD	A	FAIR	WHITE	A138	1	2	Negative	0
59	10/11/2010 10:08	CEILING	DRYWALL	A	FAIR	WHITE	A138	1	2	Negative	0.01
60	10/11/2010 10:08	WALL	DRYWALL	A	FAIR	WHITE	A138	1	3	Negative	0.01
61	10/11/2010 10:08	WALL	DRYWALL	B	FAIR	WHITE	A138	1	3	Negative	0
62	10/11/2010 10:09	WALL	DRYWALL	C	FAIR	WHITE	A138	1	3	Negative	0
63	10/11/2010 10:09	WALL	DRYWALL	D	FAIR	WHITE	A138	1	3	Negative	0
64	10/11/2010 10:09	DOOR JAMB	WOOD	C	FAIR	WHITE	A138	1	3	Negative	0
65	10/11/2010 10:09	DOOR CASING	WOOD	C	FAIR	WHITE	A138	1	3	Negative	0
66	10/11/2010 10:09	BASEBOARD	WOOD	A	FAIR	WHITE	A138	1	3	Negative	0
67	10/11/2010 10:10	WALL	DRYWALL	A	FAIR	WHITE	A138	1	4	Negative	0
68	10/11/2010 10:10	WALL	DRYWALL	B	FAIR	GRAY	A138	1	4	Negative	0
69	10/11/2010 10:10	WALL	DRYWALL	C	FAIR	GRAY	A138	1	4	Negative	0
70	10/11/2010 10:10	WALL	DRYWALL	D	FAIR	GRAY	A138	1	4	Negative	0
71	10/11/2010 10:11	DOOR	WOOD	A	FAIR	WHITE	A138	1	4	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	UNIT	FLOOR	ROOM	Results	PbC
72	10/11/2010 10:11	DOOR JAMB	WOOD	A	FAIR	WHITE	A138	1	4	Negative	0
73	10/11/2010 10:11	CLOSET DOOR	WOOD	A	FAIR	GRAY	A138	1	4	Negative	0
74	10/11/2010 10:11	WINDOW STOOL	WOOD	C	FAIR	WHITE	A138	1	4	Negative	0
75	10/11/2010 10:11	WINDOW CASING	WOOD	C	FAIR	WHITE	A138	1	4	Negative	0
76	10/11/2010 10:12	WALL	DRYWALL	A	FAIR	WHITE	A138	1	5	Negative	0
77	10/11/2010 10:12	WALL	DRYWALL	B	FAIR	WHITE	A138	1	5	Negative	0.01
78	10/11/2010 10:12	WALL	DRYWALL	C	FAIR	WHITE	A138	1	5	Negative	0
79	10/11/2010 10:12	WALL	DRYWALL	D	FAIR	WHITE	A138	1	5	Negative	0.01
80	10/11/2010 10:13	DOOR	WOOD	C	FAIR	WHITE	A138	1	5	Negative	0
81	10/11/2010 10:13	DOOR JAMB	WOOD	C	FAIR	WHITE	A138	1	5	Negative	0
82	10/11/2010 10:13	DOOR CASING	WOOD	C	FAIR	WHITE	A138	1	5	Negative	0
83	10/11/2010 10:13	WALL	DRYWALL	A	FAIR	WHITE	A138	1	6	Negative	0
84	10/11/2010 10:14	WALL	DRYWALL	C	FAIR	WHITE	A138	1	6	Negative	0
85	10/11/2010 10:14	WALL	DRYWALL	D	FAIR	WHITE	A138	1	6	Negative	0
86	10/11/2010 10:14	CLOSET DOOR	WOOD	D	FAIR	WHITE	A138	1	6	Negative	0
87	10/11/2010 10:14	CLOSET SHELF	WOOD	D	FAIR	WHITE	A138	1	6	Negative	0
88	10/11/2010 10:14	CLOSET DOOR	WOOD	C	FAIR	WHITE	A138	1	6	Negative	0
89	10/11/2010 10:18	WALL	DRYWALL	A	FAIR	WHITE	C142	1	1	Negative	0.01
90	10/11/2010 10:18	WALL	DRYWALL	B	FAIR	WHITE	C142	1	1	Negative	0
91	10/11/2010 10:18	WALL	DRYWALL	C	FAIR	WHITE	C142	1	1	Negative	0.03
92	10/11/2010 10:18	WALL	DRYWALL	D	FAIR	WHITE	C142	1	1	Negative	0
93	10/11/2010 10:18	DOOR	WOOD	A	FAIR	CLEAR	C142	1	1	Negative	0
94	10/11/2010 10:18	DOOR CASING	WOOD	A	FAIR	CLEAR	C142	1	1	Negative	0
95	10/11/2010 10:19	BASEBOARD	WOOD	B	FAIR	CLEAR	C142	1	1	Negative	0
96	10/11/2010 10:19	WALL	DRYWALL	A	FAIR	WHITE	C142	1	2	Negative	0.03
97	10/11/2010 10:19	WALL	DRYWALL	C	FAIR	WHITE	C142	1	2	Negative	0.05
98	10/11/2010 10:19	WALL	DRYWALL	D	FAIR	WHITE	C142	1	2	Negative	0.02
99	10/11/2010 10:20	CABINET	WOOD	A	FAIR	CLEAR	C142	1	2	Negative	0
100	10/11/2010 10:20	WALL	DRYWALL	A	FAIR	WHITE	C142	1	3	Negative	0
101	10/11/2010 10:20	WALL	DRYWALL	B	FAIR	WHITE	C142	1	3	Negative	0.01
102	10/11/2010 10:20	WALL	DRYWALL	C	FAIR	WHITE	C142	1	3	Negative	0.03
103	10/11/2010 10:21	WALL	DRYWALL	D	FAIR	WHITE	C142	1	3	Negative	0.01
104	10/11/2010 10:21	DOOR CASING	WOOD	C	FAIR	CLEAR	C142	1	3	Negative	0
105	10/11/2010 10:21	WALL	DRYWALL	A	FAIR	WHITE	C142	1	4	Negative	0
106	10/11/2010 10:22	WALL	DRYWALL	B	FAIR	WHITE	C142	1	4	Negative	0.02
107	10/11/2010 10:22	WALL	DRYWALL	C	FAIR	WHITE	C142	1	4	Negative	0.01
108	10/11/2010 10:22	WALL	DRYWALL	D	FAIR	WHITE	C142	1	4	Negative	0.02
109	10/11/2010 10:22	WINDOW STOOL	WOOD	C	FAIR	CLEAR	C142	1	4	Negative	0.01
110	10/11/2010 10:22	DOOR	WOOD	A	FAIR	CLEAR	C142	1	4	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	UNIT	FLOOR	ROOM	Results	PbC
111	10/11/2010 10:23	DOOR JAMB	WOOD	A	FAIR	CLEAR	C142	1	4	Negative	0
112	10/11/2010 10:23	CLOSET DOOR	WOOD	A	FAIR	WHITE	C142	1	4	Negative	0.01
113	10/11/2010 10:24	WALL	DRYWALL	A	FAIR	WHITE	C142	1	5	Negative	0.01
114	10/11/2010 10:24	WALL	DRYWALL	B	FAIR	WHITE	C142	1	5	Negative	0.01
115	10/11/2010 10:24	WALL	DRYWALL	C	FAIR	WHITE	C142	1	5	Negative	0.07
116	10/11/2010 10:24	WALL	DRYWALL	D	FAIR	WHITE	C142	1	5	Negative	0.16
117	10/11/2010 10:24	DOOR	WOOD	C	FAIR	CLEAR	C142	1	5	Negative	0
118	10/11/2010 10:25	DOOR JAMB	WOOD	C	FAIR	CLEAR	C142	1	5	Negative	0
119	10/11/2010 10:25	WALL	DRYWALL	A	FAIR	WHITE	C142	1	6	Negative	0.01
120	10/11/2010 10:25	WALL	DRYWALL	C	FAIR	WHITE	C142	1	6	Negative	0.03
121	10/11/2010 10:25	WALL	DRYWALL	D	FAIR	WHITE	C142	1	6	Negative	0
122	10/11/2010 10:25	CLOSET DOOR	WOOD	D	FAIR	WHITE	C142	1	6	Negative	0
123	10/11/2010 10:28	WALL	DRYWALL	B	FAIR	WHITE	C343	3	1	Negative	0
124	10/11/2010 10:28	WALL	DRYWALL	C	FAIR	WHITE	C343	3	1	Negative	0.01
125	10/11/2010 10:29	WALL	DRYWALL	D	FAIR	WHITE	C343	3	1	Negative	0.05
126	10/11/2010 10:29	DOOR	WOOD	A	FAIR	WHITE	C343	3	1	Negative	0
127	10/11/2010 10:29	DOOR CASING	WOOD	A	FAIR	WHITE	C343	3	1	Negative	0
128	10/11/2010 10:29	DOOR JAMB	WOOD	A	FAIR	WHITE	C343	3	1	Negative	0
129	10/11/2010 10:30	WALL	DRYWALL	A	FAIR	WHITE	C343	3	2	Negative	0.1
130	10/11/2010 10:30	WALL	DRYWALL	B	FAIR	WHITE	C343	3	2	Negative	0.05
131	10/11/2010 10:30	WALL	DRYWALL	C	FAIR	WHITE	C343	3	2	Negative	0.07
132	10/11/2010 10:30	WALL	DRYWALL	D	FAIR	WHITE	C343	3	2	Negative	0.04
133	10/11/2010 10:31	CABINET	WOOD	C	FAIR	WHITE	C343	3	2	Negative	0.01
134	10/11/2010 10:31	WALL	DRYWALL	A	FAIR	WHITE	C343	3	3	Negative	0
135	10/11/2010 10:31	WALL	DRYWALL	B	FAIR	WHITE	C343	3	3	Negative	0
136	10/11/2010 10:31	WALL	DRYWALL	C	FAIR	WHITE	C343	3	3	Negative	0
137	10/11/2010 10:32	WALL	DRYWALL	D	FAIR	WHITE	C343	3	3	Negative	0.01
138	10/11/2010 10:32	WALL	WOOD	A	FAIR	BEIGE	C343	3	PORCH	Negative	0.03
139	10/11/2010 10:32	PORCH RAIL	WOOD	A	FAIR	GREEN	C343	3	PORCH	Negative	0.02
140	10/11/2010 10:33	COLUMN	WOOD	A	FAIR	BEIGE	C343	3	PORCH	Negative	0
141	10/11/2010 10:33	STRINGER	WOOD	C	FAIR	BEIGE	C343	3	PORCH	Negative	0
142	10/11/2010 10:33	PORCH CEILING	WOOD	C	FAIR	BEIGE	C343	3	PORCH	Negative	0
143	10/11/2010 10:34	WALL	DRYWALL	A	FAIR	WHITE	C343	3	4	Negative	0
144	10/11/2010 10:34	WALL	DRYWALL	B	FAIR	WHITE	C343	3	4	Negative	0.01
145	10/11/2010 10:34	WALL	DRYWALL	C	FAIR	WHITE	C343	3	4	Negative	0.03
146	10/11/2010 10:35	WALL	DRYWALL	D	FAIR	WHITE	C343	3	4	Negative	0.02
147	10/11/2010 10:35	WINDOW STOOL	WOOD	C	FAIR	WHITE	C343	3	4	Negative	0.02
148	10/11/2010 10:35	DOOR	WOOD	A	FAIR	WHITE	C343	3	4	Negative	0
149	10/11/2010 10:35	DOOR JAMB	WOOD	A	FAIR	WHITE	C343	3	4	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	UNIT	FLOOR	ROOM	Results	PbC
150	10/11/2010 10:36	WALL	DRYWALL	A	FAIR	WHITE	C343	3	5	Negative	0.02
151	10/11/2010 10:36	WALL	DRYWALL	B	FAIR	WHITE	C343	3	5	Negative	0.02
152	10/11/2010 10:36	WALL	DRYWALL	C	FAIR	WHITE	C343	3	5	Negative	0.02
153	10/11/2010 10:36	WALL	DRYWALL	D	FAIR	WHITE	C343	3	5	Negative	0.02
154	10/11/2010 10:36	DOOR	WOOD	C	FAIR	WHITE	C343	3	5	Negative	0
155	10/11/2010 10:37	DOOR JAMB	WOOD	C	FAIR	WHITE	C343	3	5	Negative	0
156	10/11/2010 10:37	WALL	DRYWALL	A	FAIR	WHITE	C343	3	6	Negative	0
157	10/11/2010 10:37	WALL	DRYWALL	B	FAIR	WHITE	C343	3	6	Negative	0
158	10/11/2010 10:37	CLOSET DOOR	WOOD	B	FAIR	WHITE	C343	3	6	Negative	0
159	10/11/2010 10:38	BASEBOARD	WOOD	C	FAIR	WHITE	C343	3	6	Negative	-0.16
160	10/11/2010 10:42	WALL	DRYWALL	A	FAIR	WHITE	E350	3	6	Negative	0
161	10/11/2010 10:42	WALL	DRYWALL	B	FAIR	WHITE	E350	3	1	Negative	0
162	10/11/2010 10:43	WALL	DRYWALL	C	FAIR	WHITE	E350	3	1	Negative	0
163	10/11/2010 10:43	WALL	DRYWALL	D	FAIR	WHITE	E350	3	1	Negative	0
164	10/11/2010 10:43	DOOR	WOOD	A	FAIR	WHITE	E350	3	1	Negative	0
165	10/11/2010 10:43	DOOR JAMB	WOOD	A	FAIR	WHITE	E350	3	1	Negative	0
166	10/11/2010 10:43	DOOR CASING	WOOD	A	FAIR	WHITE	E350	3	1	Negative	0
167	10/11/2010 10:44	WALL	DRYWALL	A	FAIR	ORANGE	E350	3	2	Negative	0.01
168	10/11/2010 10:45	WALL	DRYWALL	B	FAIR	ORANGE	E350	3	2	Negative	0.09
169	10/11/2010 10:45	WALL	DRYWALL	C	FAIR	ORANGE	E350	3	2	Negative	0.01
170	10/11/2010 10:45	WALL	DRYWALL	D	FAIR	ORANGE	E350	3	2	Negative	0
171	10/11/2010 10:45	CABINET	WOOD	A	FAIR	ORANGE	E350	3	2	Negative	0
172	10/11/2010 10:45	WALL	DRYWALL	A	FAIR	WHITE	E350	3	3	Negative	0.01
173	10/11/2010 10:46	TRIM	WOOD	A	FAIR	WHITE	E350	3	3	Negative	0
174	10/11/2010 10:46	TRIM	WOOD	B	FAIR	WHITE	E350	3	3	Negative	0
175	10/11/2010 10:46	TRIM	WOOD	C	FAIR	WHITE	E350	3	3	Negative	0
176	10/11/2010 10:46	TRIM	WOOD	D	FAIR	WHITE	E350	3	3	Negative	0.1
177	10/11/2010 10:47	WINDOW STOOL	WOOD	B	FAIR	WHITE	E350	3	3	Negative	0.01
178	10/11/2010 10:47	WALL	WOOD	D	FAIR	BEIGE	E350	3	PORCH	Negative	0.01
179	10/11/2010 10:48	PORCH RAIL	WOOD	B	FAIR	GREEN	E350	3	PORCH	Negative	0
180	10/11/2010 10:48	PORCH SOFFIT	WOOD	B	FAIR	BEIGE	E350	3	PORCH	Negative	0.01
181	10/11/2010 10:48	COLUMN	WOOD	B	FAIR	BEIGE	E350	3	PORCH	Negative	0
182	10/11/2010 10:49	DOOR CASING	WOOD	D	FAIR	BEIGE	E350	3	PORCH	Negative	0.03
183	10/11/2010 10:50	WALL	DRYWALL	A	FAIR	WHITE	E350	3	4	Negative	0
184	10/11/2010 10:50	WALL	DRYWALL	B	FAIR	WHITE	E350	3	4	Negative	0
185	10/11/2010 10:50	WALL	DRYWALL	C	FAIR	WHITE	E350	3	4	Negative	0
186	10/11/2010 10:50	WALL	DRYWALL	D	FAIR	WHITE	E350	3	4	Negative	0
187	10/11/2010 10:50	CLOSET DOOR	WOOD	D	FAIR	WHITE	E350	3	4	Negative	0
188	10/11/2010 10:51	CLOSET SHELF	WOOD	D	FAIR	WHITE	E350	3	4	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	UNIT	FLOOR	ROOM	Results	PbC
189	10/11/2010 10:51	DOOR	WOOD	A	FAIR	WHITE	E350	3	4	Negative	0
190	10/11/2010 10:51	DOOR JAMB	WOOD	A	FAIR	WHITE	E350	3	4	Negative	0
191	10/11/2010 10:51	DOOR CASING	WOOD	A	FAIR	WHITE	E350	3	4	Negative	0
192	10/11/2010 10:51	WALL	DRYWALL	A	FAIR	WHITE	E350	3	5	Negative	0
193	10/11/2010 10:52	WALL	DRYWALL	B	FAIR	WHITE	E350	3	5	Negative	0
194	10/11/2010 10:52	WALL	DRYWALL	C	FAIR	WHITE	E350	3	5	Negative	0.01
195	10/11/2010 10:52	WALL	DRYWALL	D	FAIR	WHITE	E350	3	5	Negative	0
196	10/11/2010 10:52	DOOR	WOOD	B	FAIR	WHITE	E350	3	5	Negative	0
197	10/11/2010 10:52	DOOR JAMB	WOOD	B	FAIR	WHITE	E350	3	5	Negative	0
198	10/11/2010 10:53	WALL	DRYWALL	A	FAIR	WHITE	E350	3	6	Negative	0.05
199	10/11/2010 10:53	WALL	DRYWALL	B	FAIR	WHITE	E350	3	6	Negative	0.02
200	10/11/2010 10:53	WALL	DRYWALL	C	FAIR	WHITE	E350	3	6	Negative	0.02
201	10/11/2010 10:53	WALL	DRYWALL	D	FAIR	WHITE	E350	3	6	Negative	0.05
202	10/11/2010 10:53	DOOR	WOOD	C	FAIR	WHITE	E350	3	6	Negative	0
203	10/11/2010 10:54	DOOR JAMB	WOOD	C	FAIR	WHITE	E350	3	6	Negative	0
204	10/11/2010 10:54	WALL	DRYWALL	A	FAIR	WHITE	E350	3	7	Negative	0.03
205	10/11/2010 10:54	WALL	DRYWALL	B	FAIR	WHITE	E350	3	7	Negative	0.01
206	10/11/2010 10:54	WALL	DRYWALL	C	FAIR	WHITE	E350	3	7	Negative	0.05
207	10/11/2010 10:54	WALL	DRYWALL	D	FAIR	WHITE	E350	3	7	Negative	0.02
208	10/11/2010 10:55	DOOR	WOOD	C	FAIR	WHITE	E350	3	7	Negative	0
209	10/11/2010 10:55	DOOR JAMB	WOOD	C	FAIR	WHITE	E350	3	7	Negative	0
210	10/11/2010 10:55	CABINET	WOOD	A	FAIR	WHITE	E350	3	7	Negative	0
211	10/11/2010 10:55	CEILING	DRYWALL	A	FAIR	WHITE	E350	3	7	Negative	0.02
212	10/11/2010 10:58	WALL	DRYWALL	A	FAIR	WHITE	E BUILDING	3	HALL	Negative	0.01
213	10/11/2010 10:58	WALL	DRYWALL	B	FAIR	WHITE	E BUILDING	3	HALL	Negative	0
214	10/11/2010 10:59	WALL	DRYWALL	C	FAIR	WHITE	E BUILDING	3	HALL	Negative	0.01
215	10/11/2010 10:59	WALL	DRYWALL	D	FAIR	WHITE	E BUILDING	3	HALL	Negative	0
216	10/11/2010 10:59	WINDOW STOOL	WOOD	A	FAIR	GREEN	E BUILDING	3	HALL	Negative	0
217	10/11/2010 10:59	BASEBOARD	WOOD	A	FAIR	WHITE	E BUILDING	3	HALL	Negative	0
218	10/11/2010 11:00	WALL	DRYWALL	A	FAIR	BEIGE	E349	3	1	Negative	0
219	10/11/2010 11:01	WALL	DRYWALL	B	FAIR	BEIGE	E349	3	1	Negative	0
220	10/11/2010 11:01	WALL	DRYWALL	C	FAIR	BEIGE	E349	3	1	Negative	0.01
221	10/11/2010 11:01	WALL	DRYWALL	D	FAIR	BEIGE	E349	3	1	Negative	0
222	10/11/2010 11:01	DOOR	WOOD	A	FAIR	WHITE	E349	3	1	Negative	0.04
223	10/11/2010 11:01	DOOR JAMB	WOOD	A	FAIR	WHITE	E349	3	1	Negative	0
224	10/11/2010 11:02	DOOR CASING	WOOD	A	FAIR	WHITE	E349	3	1	Negative	0
225	10/11/2010 11:02	WALL	DRYWALL	A	FAIR	BEIGE	E349	3	2	Negative	0.02
226	10/11/2010 11:02	WALL	DRYWALL	B	FAIR	BEIGE	E349	3	2	Negative	0.02
227	10/11/2010 11:02	WALL	DRYWALL	C	FAIR	BEIGE	E349	3	2	Negative	0.02

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	UNIT	FLOOR	ROOM	Results	PbC
228	10/11/2010 11:03	WALL	DRYWALL	D	FAIR	BEIGE	E349	3	2	Negative	0.01
229	10/11/2010 11:03	CABINET	WOOD	A	FAIR	WHITE	E349	3	2	Negative	0
230	10/11/2010 11:03	WALL	DRYWALL	A	FAIR	WHITE	E349	3	3	Negative	0
231	10/11/2010 11:03	WALL	DRYWALL	B	FAIR	WHITE	E349	3	3	Negative	0.01
232	10/11/2010 11:04	WALL	DRYWALL	C	FAIR	WHITE	E349	3	3	Negative	0.04
233	10/11/2010 11:04	WALL	DRYWALL	D	FAIR	WHITE	E349	3	3	Negative	0.04
234	10/11/2010 11:04	DOOR JAMB	WOOD	C	FAIR	WHITE	E349	3	3	Negative	0
235	10/11/2010 11:04	DOOR CASING	WOOD	C	FAIR	WHITE	E349	3	3	Negative	0
236	10/11/2010 11:05	WALL	WOOD	A	FAIR	BEIGE	E349	3	PORCH	Negative	0
237	10/11/2010 11:05	PORCH RAIL	WOOD	B	FAIR	GREEN	E349	3	PORCH	Negative	0.02
238	10/11/2010 11:05	COLUMN	WOOD	B	FAIR	BEIGE	E349	3	PORCH	Negative	0
239	10/11/2010 11:05	WALL	WOOD	D	FAIR	BEIGE	E349	3	PORCH	Negative	0
240	10/11/2010 11:05	PORCH CEILING	WOOD	D	FAIR	BEIGE	E349	3	PORCH	Negative	0
241	10/11/2010 11:06	PORCH CEILING	WOOD	D	FAIR	BEIGE	E349	3	PORCH	Negative	0
242	10/11/2010 11:07	WALL	DRYWALL	A	FAIR	BLUE	E349	3	4	Negative	0.01
243	10/11/2010 11:07	WALL	DRYWALL	B	FAIR	BLUE	E349	3	4	Negative	0.03
244	10/11/2010 11:08	WALL	DRYWALL	C	FAIR	BLUE	E349	3	4	Negative	0.01
245	10/11/2010 11:08	WALL	DRYWALL	D	FAIR	BLUE	E349	3	4	Negative	0.01
246	10/11/2010 11:08	CLOSET DOOR	WOOD	A	FAIR	WHITE	E349	3	4	Negative	0
247	10/11/2010 11:08	DOOR	WOOD	A	FAIR	WHITE	E349	3	4	Negative	0.01
248	10/11/2010 11:08	DOOR JAMB	WOOD	A	FAIR	WHITE	E349	3	4	Negative	0
249	10/11/2010 11:09	DOOR CASING	WOOD	A	FAIR	WHITE	E349	3	4	Negative	0.01
250	10/11/2010 11:09	WINDOW STOOL	WOOD	C	FAIR	WHITE	E349	3	4	Negative	0.01
251	10/11/2010 11:10	WALL	DRYWALL	A	FAIR	PURPLE	E349	3	5	Negative	0
252	10/11/2010 11:10	WALL	DRYWALL	B	FAIR	PURPLE	E349	3	5	Negative	0.01
253	10/11/2010 11:10	WALL	DRYWALL	C	FAIR	PURPLE	E349	3	5	Negative	0
254	10/11/2010 11:10	WALL	DRYWALL	D	FAIR	PURPLE	E349	3	5	Negative	0
255	10/11/2010 11:10	DOOR	WOOD	A	FAIR	WHITE	E349	3	5	Negative	0.01
256	10/11/2010 11:10	DOOR JAMB	WOOD	A	FAIR	WHITE	E349	3	5	Negative	0
257	10/11/2010 11:11	WINDOW STOOL	WOOD	C	FAIR	WHITE	E349	3	5	Negative	0
258	10/11/2010 11:11	WALL	DRYWALL	A	FAIR	WHITE	E349	3	6	Negative	0.01
259	10/11/2010 11:11	WALL	DRYWALL	B	FAIR	WHITE	E349	3	6	Negative	0.02
260	10/11/2010 11:11	WALL	DRYWALL	C	FAIR	WHITE	E349	3	6	Negative	0.04
261	10/11/2010 11:12	WALL	DRYWALL	D	FAIR	WHITE	E349	3	6	Negative	0.28
262	10/11/2010 11:13	DOOR	WOOD	C	FAIR	WHITE	E349	3	6	Negative	0
263	10/11/2010 11:13	DOOR JAMB	WOOD	C	FAIR	WHITE	E349	3	6	Negative	0
264	10/11/2010 11:14	WALL	DRYWALL	A	FAIR	BEIGE	E349	3	7	Negative	0
265	10/11/2010 11:14	WALL	DRYWALL	B	FAIR	BEIGE	E349	3	7	Negative	0.05
266	10/11/2010 11:14	WALL	DRYWALL	C	FAIR	BEIGE	E349	3	7	Negative	0.01

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	UNIT	FLOOR	ROOM	Results	PbC
267	10/11/2010 11:14	WALL	DRYWALL	D	FAIR	BEIGE	E349	3	7	Negative	0
268	10/11/2010 11:14	DOOR	WOOD	C	FAIR	WHITE	E349	3	7	Negative	0
269	10/11/2010 11:14	DOOR JAMB	WOOD	C	FAIR	WHITE	E349	3	7	Negative	0
270	10/11/2010 11:15	DOOR CASING	WOOD	C	FAIR	WHITE	E349	3	7	Negative	0.01
271	10/11/2010 11:18	WALL	DRYWALL	A	FAIR	WHITE	G354	3	1	Negative	0.02
272	10/11/2010 11:18	WALL	DRYWALL	B	FAIR	WHITE	G354	3	1	Negative	0
273	10/11/2010 11:18	WALL	DRYWALL	C	FAIR	WHITE	G354	3	1	Negative	0.01
274	10/11/2010 11:18	WALL	DRYWALL	D	FAIR	WHITE	G354	3	1	Negative	0
275	10/11/2010 11:19	DOOR	WOOD	A	FAIR	WHITE	G354	3	1	Negative	0
276	10/11/2010 11:19	DOOR CASING	WOOD	A	FAIR	WHITE	G354	3	1	Negative	0
277	10/11/2010 11:19	DOOR JAMB	WOOD	A	FAIR	WHITE	G354	3	1	Negative	0
278	10/11/2010 11:20	WALL	DRYWALL	A	FAIR	WHITE	G354	3	2	Negative	0
279	10/11/2010 11:20	WALL	DRYWALL	B	FAIR	WHITE	G354	3	2	Negative	0.03
280	10/11/2010 11:20	WALL	DRYWALL	B	FAIR	WHITE	G354	3	2	Negative	0.03
281	10/11/2010 11:20	WALL	DRYWALL	C	FAIR	WHITE	G354	3	2	Negative	0.01
282	10/11/2010 11:20	WALL	DRYWALL	D	FAIR	WHITE	G354	3	2	Negative	0
283	10/11/2010 11:21	CABINET	WOOD	A	FAIR	CLEAR	G354	3	2	Negative	0
284	10/11/2010 11:21	WALL	DRYWALL	A	FAIR	WHITE	G354	3	2	Negative	0
285	10/11/2010 11:21	WALL	DRYWALL	B	FAIR	WHITE	G354	3	3	Negative	0.03
286	10/11/2010 11:21	WALL	DRYWALL	C	FAIR	WHITE	G354	3	3	Negative	0
287	10/11/2010 11:21	WALL	DRYWALL	D	FAIR	WHITE	G354	3	3	Negative	0
288	10/11/2010 11:22	DOOR CASING	WOOD	B	FAIR	BEIGE	G354	3	3	Negative	0
289	10/11/2010 11:22	WALL	WOOD	D	FAIR	BEIGE	G354	3	3	Negative	0.03
290	10/11/2010 11:22	DOOR CASING	WOOD	D	FAIR	BEIGE	G354	3	3	Negative	0.01
291	10/11/2010 11:23	COLUMN	WOOD	B	FAIR	BEIGE	G354	3	3	Negative	0.02
292	10/11/2010 11:23	PORCH RAIL	WOOD	B	FAIR	GREEN	G354	3	3	Negative	0
293	10/11/2010 11:23	PORCH STRINGER	WOOD	B	FAIR	BEIGE	G354	3	3	Negative	0
294	10/11/2010 11:25	WALL	DRYWALL	A	FAIR	WHITE	G354	3	4	Negative	0
295	10/11/2010 11:25	WALL	DRYWALL	B	FAIR	WHITE	G354	3	4	Negative	0
296	10/11/2010 11:25	WALL	DRYWALL	C	FAIR	WHITE	G354	3	4	Negative	0
297	10/11/2010 11:25	WALL	DRYWALL	D	FAIR	WHITE	G354	3	4	Negative	0.01
298	10/11/2010 11:26	DOOR	WOOD	A	FAIR	WHITE	G354	3	4	Negative	0.02
299	10/11/2010 11:26	DOOR JAMB	WOOD	A	FAIR	WHITE	G354	3	4	Negative	0
300	10/11/2010 11:26	DOOR CASING	WOOD	A	FAIR	WHITE	G354	3	4	Negative	0
301	10/11/2010 11:26	WINDOW STOOL	WOOD	C	FAIR	WHITE	G354	3	4	Negative	0
302	10/11/2010 11:27	WALL	DRYWALL	A	FAIR	WHITE	G354	3	5	Negative	0
303	10/11/2010 11:27	WALL	DRYWALL	B	FAIR	WHITE	G354	3	5	Negative	0
304	10/11/2010 11:27	WALL	DRYWALL	C	FAIR	WHITE	G354	3	5	Negative	0
305	10/11/2010 11:27	WALL	DRYWALL	D	FAIR	WHITE	G354	3	5	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	UNIT	FLOOR	ROOM	Results	PbC
306	10/11/2010 11:28	WINDOW STOOL	WOOD	C	FAIR	WHITE	G354	3	5	Negative	0.04
307	10/11/2010 11:28	DOOR	WOOD	B	FAIR	WHITE	G354	3	5	Negative	0
308	10/11/2010 11:28	DOOR JAMB	WOOD	B	FAIR	WHITE	G354	3	5	Negative	0
309	10/11/2010 11:28	WALL	DRYWALL	A	FAIR	WHITE	G354	3	6	Negative	0.12
310	10/11/2010 11:29	WALL	DRYWALL	B	FAIR	WHITE	G354	3	6	Negative	0
311	10/11/2010 11:29	WALL	DRYWALL	C	FAIR	WHITE	G354	3	6	Negative	0.03
312	10/11/2010 11:29	WALL	DRYWALL	D	FAIR	WHITE	G354	3	6	Negative	0.01
313	10/11/2010 11:29	DOOR	WOOD	C	FAIR	WHITE	G354	3	6	Negative	-0.04
314	10/11/2010 11:29	DOOR JAMB	WOOD	C	FAIR	WHITE	G354	3	6	Negative	0.01
315	10/11/2010 11:30	CABINET	WOOD	A	FAIR	CLEAR	G354	3	6	Negative	0
316	10/11/2010 11:30	WALL	DRYWALL	A	FAIR	WHITE	G354	3	7	Negative	0.06
317	10/11/2010 11:30	WALL	DRYWALL	B	FAIR	WHITE	G354	3	7	Negative	0.03
318	10/11/2010 11:30	WALL	DRYWALL	C	FAIR	WHITE	G354	3	7	Negative	0.02
319	10/11/2010 11:31	WALL	DRYWALL	D	FAIR	WHITE	G354	3	7	Negative	0.05
320	10/11/2010 11:31	DOOR	WOOD	C	FAIR	WHITE	G354	3	7	Negative	0
321	10/11/2010 11:31	DOOR JAMB	WOOD	C	FAIR	WHITE	G354	3	7	Negative	0
322	10/11/2010 11:33	WALL	DRYWALL	A	FAIR	WHITE	G152	1	1	Negative	0
323	10/11/2010 11:33	WALL	DRYWALL	B	FAIR	WHITE	G152	1	1	Negative	0
324	10/11/2010 11:33	WALL	DRYWALL	C	FAIR	WHITE	G152	1	1	Negative	0
325	10/11/2010 11:34	WALL	DRYWALL	D	FAIR	WHITE	G152	1	1	Negative	0
326	10/11/2010 11:34	DOOR	WOOD	A	FAIR	WHITE	G152	1	1	Negative	0
327	10/11/2010 11:34	DOOR CASING	WOOD	A	FAIR	WHITE	G152	1	1	Negative	0
328	10/11/2010 11:34	DOOR JAMB	WOOD	A	FAIR	WHITE	G152	1	1	Negative	0.01
329	10/11/2010 11:34	WALL	DRYWALL	A	FAIR	WHITE	G152	1	2	Negative	0.01
330	10/11/2010 11:35	WALL	DRYWALL	B	FAIR	WHITE	G152	1	2	Negative	0.03
331	10/11/2010 11:35	WALL	DRYWALL	C	FAIR	WHITE	G152	1	2	Negative	0.03
332	10/11/2010 11:35	WALL	DRYWALL	A	FAIR	WHITE	G152	1	3	Negative	0
333	10/11/2010 11:35	WALL	DRYWALL	B	FAIR	WHITE	G152	1	3	Negative	0
334	10/11/2010 11:36	WALL	DRYWALL	C	FAIR	WHITE	G152	1	3	Negative	0
335	10/11/2010 11:36	WALL	DRYWALL	D	FAIR	WHITE	G152	1	3	Negative	0.01
336	10/11/2010 11:36	DOOR JAMB	WOOD	C	FAIR	WHITE	G152	1	3	Negative	0.02
337	10/11/2010 11:36	DOOR CASING	WOOD	C	FAIR	WHITE	G152	1	3	Negative	0
338	10/11/2010 11:37	WALL	DRYWALL	A	FAIR	WHITE	G152	1	4	Negative	0.01
339	10/11/2010 11:37	WALL	DRYWALL	B	FAIR	WHITE	G152	1	4	Negative	0.01
340	10/11/2010 11:37	WALL	DRYWALL	C	FAIR	WHITE	G152	1	4	Negative	0
341	10/11/2010 11:37	WALL	DRYWALL	D	FAIR	WHITE	G152	1	4	Negative	0.01
342	10/11/2010 11:37	WINDOW STOOL	WOOD	C	FAIR	WHITE	G152	1	4	Negative	0.11
343	10/11/2010 11:38	CLOSET DOOR	WOOD	D	FAIR	WHITE	G152	1	4	Negative	0
344	10/11/2010 11:38	DOOR	WOOD	A	FAIR	WHITE	G152	1	4	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	UNIT	FLOOR	ROOM	Results	PbC
345	10/11/2010 11:38	DOOR JAMB	WOOD	A	FAIR	WHITE	G152	1	4	Negative	0
346	10/11/2010 11:38	DOOR CASING	WOOD	A	FAIR	WHITE	G152	1	4	Negative	0
347	10/11/2010 11:39	WALL	DRYWALL	A	FAIR	WHITE	G152	1	5	Negative	0.03
348	10/11/2010 11:39	WALL	DRYWALL	B	FAIR	WHITE	G152	1	5	Negative	0.01
349	10/11/2010 11:39	WALL	DRYWALL	C	FAIR	WHITE	G152	1	5	Negative	0.04
350	10/11/2010 11:39	WALL	DRYWALL	D	FAIR	WHITE	G152	1	5	Negative	0.01
351	10/11/2010 11:39	DOOR	WOOD	C	FAIR	WHITE	G152	1	5	Negative	0
352	10/11/2010 11:39	DOOR JAMB	WOOD	C	FAIR	WHITE	G152	1	5	Negative	0
353	10/11/2010 11:40	CEILING	DRYWALL	C	FAIR	WHITE	G152	1	5	Negative	0.04
354	10/11/2010 11:40	WALL	DRYWALL	A	FAIR	WHITE	G152	1	6	Negative	0.01
355	10/11/2010 11:40	WALL	DRYWALL	B	FAIR	WHITE	G152	1	6	Negative	0
356	10/11/2010 11:40	WALL	DRYWALL	D	FAIR	WHITE	G152	1	6	Negative	0
357	10/11/2010 11:41	CLOSET DOOR	WOOD	D	FAIR	WHITE	G152	1	6	Negative	0
358	10/11/2010 11:41	CLOSET TRACK	WOOD	D	POOR	WHITE	G152	1	6	Negative	0.01
359	10/11/2010 12:55			CALIBRATE						Negative	1
360	10/11/2010 12:56			CALIBRATE						Positive	1
361	10/11/2010 12:56			CALIBRATE						Positive	1
362	10/11/2010 13:11	WALL	DRYWALL	A	FAIR		J355	3	1	Positive	0
363	10/11/2010 13:12	WALL	DRYWALL	B	FAIR		J355	3	1	Negative	0
364	10/11/2010 13:12	WALL	DRYWALL	C	FAIR		J355	3	1	Negative	0
365	10/11/2010 13:12	WALL	DRYWALL	D	FAIR		J355	3	1	Negative	0
366	10/11/2010 13:12	DOOR	WOOD	A	FAIR	WHITE	J355	3	1	Negative	0
367	10/11/2010 13:13	DOOR JAMB	WOOD	A	FAIR	WHITE	J355	3	1	Negative	0
368	10/11/2010 13:13	DOOR CASING	WOOD	A	FAIR	WHITE	J355	3	1	Negative	0
369	10/11/2010 13:13	WALL	DRYWALL	A	FAIR	WHITE	J355	3	2	Negative	0.01
370	10/11/2010 13:14	WALL	DRYWALL	B	FAIR	WHITE	J355	3	2	Negative	0
371	10/11/2010 13:14	WALL	DRYWALL	C	FAIR	WHITE	J355	3	2	Negative	0
372	10/11/2010 13:14	WALL	DRYWALL	D	FAIR	WHITE	J355	3	2	Negative	0.01
373	10/11/2010 13:14	CABINET	WOOD	A	FAIR	WHITE	J355	3	2	Negative	-0.32
374	10/11/2010 13:14	DOOR	WOOD	B	FAIR	WHITE	J355	3	2	Negative	0
375	10/11/2010 13:14	DOOR JAMB	WOOD	B	FAIR	WHITE	J355	3	2	Negative	0
376	10/11/2010 13:15	WALL	DRYWALL	A	FAIR	WHITE	J355	3	3	Negative	0
377	10/11/2010 13:15	WALL	DRYWALL	B	FAIR	WHITE	J355	3	3	Negative	0
378	10/11/2010 13:15	WALL	DRYWALL	C	FAIR	WHITE	J355	3	3	Negative	0
379	10/11/2010 13:15	WALL	DRYWALL	D	FAIR	WHITE	J355	3	3	Negative	0
380	10/11/2010 13:16	DOOR CASING	WOOD	D	FAIR	BEIGE	J355	3	3	Negative	0
381	10/11/2010 13:16	WALL	WOOD	B	FAIR	BEIGE	J355	3	PORCH	Negative	0
382	10/11/2010 13:16	PORCH RAIL	WOOD	D	FAIR	GREEN	J355	3	PORCH	Negative	0
383	10/11/2010 13:17	PORCH STRINGER	WOOD	D	FAIR	BEIGE	J355	3	PORCH	Negative	0.01

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	UNIT	FLOOR	ROOM	Results	PbC
384	10/11/2010 13:17	COLUMN	WOOD	D	FAIR	BEIGE	J355	3	PORCH	Negative	0
385	10/11/2010 13:17	WALL	DRYWALL	A	FAIR	WHITE	J355	3	4	Negative	0
386	10/11/2010 13:18	WALL	DRYWALL	B	FAIR	WHITE	J355	3	4	Negative	0.01
387	10/11/2010 13:18	WALL	DRYWALL	C	FAIR	WHITE	J355	3	4	Negative	0
388	10/11/2010 13:18	WALL	DRYWALL	D	FAIR	WHITE	J355	3	4	Negative	0
389	10/11/2010 13:18	CLOSET DOOR	WOOD	B	FAIR	WHITE	J355	3	4	Negative	-0.15
390	10/11/2010 13:18	WINDOW STOOL	WOOD	C	FAIR	WHITE	J355	3	4	Negative	0.01
391	10/11/2010 13:19	DOOR	WOOD	A	FAIR	WHITE	J355	3	4	Negative	0
392	10/11/2010 13:19	DOOR JAMB	WOOD	A	FAIR	WHITE	J355	3	4	Negative	0
393	10/11/2010 13:19	WALL	DRYWALL	A	FAIR	WHITE	J355	3	5	Negative	0
394	10/11/2010 13:19	WALL	DRYWALL	B	FAIR	WHITE	J355	3	5	Negative	0.01
395	10/11/2010 13:20	WALL	DRYWALL	C	FAIR	WHITE	J355	3	5	Negative	0
396	10/11/2010 13:20	WALL	DRYWALL	D	FAIR	WHITE	J355	3	5	Negative	0
397	10/11/2010 13:20	CLOSET DOOR	WOOD	D	FAIR	WHITE	J355	3	5	Negative	0.02
398	10/11/2010 13:20	WINDOW STOOL	WOOD	C	FAIR	WHITE	J355	3	5	Negative	0.04
399	10/11/2010 13:20	DOOR	WOOD	D	FAIR	WHITE	J355	3	5	Negative	0
400	10/11/2010 13:20	DOOR JAMB	WOOD	D	FAIR	WHITE	J355	3	5	Negative	0
401	10/11/2010 13:21	WALL	DRYWALL	A	FAIR	WHITE	J355	3	6	Negative	0.02
402	10/11/2010 13:21	WALL	DRYWALL	B	FAIR	WHITE	J355	3	6	Negative	0.02
403	10/11/2010 13:21	WALL	DRYWALL	C	FAIR	WHITE	J355	3	6	Negative	0
404	10/11/2010 13:21	WALL	DRYWALL	D	FAIR	WHITE	J355	3	6	Negative	0.02
405	10/11/2010 13:22	DOOR	WOOD	C	FAIR	WHITE	J355	3	6	Negative	0
406	10/11/2010 13:22	DOOR JAMB	WOOD	C	FAIR	WHITE	J355	3	6	Negative	0
407	10/11/2010 13:22	WALL	DRYWALL	A	FAIR	WHITE	J355	3	7	Negative	0.03
408	10/11/2010 13:22	WALL	DRYWALL	B	FAIR	WHITE	J355	3	7	Negative	0.01
409	10/11/2010 13:23	WALL	DRYWALL	C	FAIR	WHITE	J355	3	7	Negative	0.05
410	10/11/2010 13:23	WALL	DRYWALL	D	FAIR	WHITE	J355	3	7	Negative	0
411	10/11/2010 13:23	CABINET	WOOD	A	FAIR	WHITE	J355	3	7	Negative	0
412	10/11/2010 13:23	DOOR	WOOD	C	FAIR	WHITE	J355	3	7	Negative	0
413	10/11/2010 13:26	WALL	DRYWALL	A	FAIR	WHITE	J157	1	1	Negative	0.01
414	10/11/2010 13:26	WALL	DRYWALL	B	FAIR	WHITE	J157	1	1	Negative	0
415	10/11/2010 13:26	WALL	DRYWALL	C	FAIR	WHITE	J157	1	1	Negative	0
416	10/11/2010 13:26	WALL	DRYWALL	D	FAIR	WHITE	J157	1	1	Negative	0
417	10/11/2010 13:26	DOOR	WOOD	A	FAIR	WHITE	J157	1	1	Negative	0
418	10/11/2010 13:26	DOOR JAMB	WOOD	A	FAIR	WHITE	J157	1	1	Negative	0
419	10/11/2010 13:27	DOOR CASING	WOOD	A	FAIR	WHITE	J157	1	1	Negative	0
420	10/11/2010 13:27	WALL	DRYWALL	A	FAIR	WHITE	J157	1	2	Negative	0.02
421	10/11/2010 13:27	WALL	DRYWALL	B	FAIR	WHITE	J157	1	2	Negative	0.02
422	10/11/2010 13:27	WALL	DRYWALL	C	FAIR	WHITE	J157	1	2	Negative	0.04

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	UNIT	FLOOR	ROOM	Results	PbC
423	10/11/2010 13:27	WALL	DRYWALL	D	FAIR	WHITE	J157	1	2	Negative	0.01
424	10/11/2010 13:28	CABINET	WOOD	A	FAIR	WHITE	J157	1	2	Negative	0
425	10/11/2010 13:28	WALL	DRYWALL	A	FAIR	WHITE	J157	1	3	Negative	0.01
426	10/11/2010 13:28	TRIM	WOOD	A	FAIR	WHITE	J157	1	3	Negative	0
427	10/11/2010 13:28	WALL	DRYWALL	B	FAIR	WHITE	J157	1	3	Negative	0.01
428	10/11/2010 13:29	WALL	DRYWALL	C	FAIR	WHITE	J157	1	3	Negative	0.01
429	10/11/2010 13:29	WALL	DRYWALL	D	FAIR	WHITE	J157	1	3	Negative	0.01
430	10/11/2010 13:29	WINDOW STOOL	WOOD	C	FAIR	WHITE	J157	1	3	Negative	0
431	10/11/2010 13:30	WALL	DRYWALL	A	FAIR	WHITE	J157	1	4	Negative	0
432	10/11/2010 13:30	WALL	DRYWALL	B	FAIR	WHITE	J157	1	4	Negative	0
433	10/11/2010 13:30	WALL	DRYWALL	C	FAIR	WHITE	J157	1	4	Negative	0
434	10/11/2010 13:30	WALL	DRYWALL	D	FAIR	WHITE	J157	1	4	Negative	0
435	10/11/2010 13:30	WINDOW STOOL	WOOD	C	FAIR	WHITE	J157	1	4	Negative	0
436	10/11/2010 13:31	CLOSET DOOR	WOOD	B	FAIR	WHITE	J157	1	4	Negative	0.05
437	10/11/2010 13:31	DOOR	WOOD	A	FAIR	WHITE	J157	1	4	Negative	0.01
438	10/11/2010 13:31	DOOR JAMB	WOOD	A	FAIR	WHITE	J157	1	4	Negative	0
439	10/11/2010 13:32	WALL	DRYWALL	A	FAIR	WHITE	J157	1	5	Negative	0.02
440	10/11/2010 13:32	WALL	DRYWALL	B	FAIR	WHITE	J157	1	5	Negative	0.08
441	10/11/2010 13:32	WALL	DRYWALL	C	FAIR	WHITE	J157	1	5	Negative	0.07
442	10/11/2010 13:32	WALL	DRYWALL	D	FAIR	WHITE	J157	1	5	Negative	0.09
443	10/11/2010 13:32	DOOR	WOOD	C	FAIR	WHITE	J157	1	5	Negative	0
444	10/11/2010 13:32	DOOR JAMB	WOOD	C	FAIR	WHITE	J157	1	5	Negative	0
445	10/11/2010 13:33	CEILING	DRYWALL	C	FAIR	WHITE	J157	1	5	Negative	0.06
446	10/11/2010 13:33	WALL	DRYWALL	A	FAIR	WHITE	J157	1	5	Negative	0.01
447	10/11/2010 13:33	CLOSET DOOR	WOOD	B	FAIR	WHITE	J157	1	6	Negative	0
448	10/11/2010 13:33	CLOSET DOOR	WOOD	C	FAIR	WHITE	J157	1	6	Negative	0.09
449	10/11/2010 13:37	WALL	DRYWALL	A	FAIR	WHITE	L360	3	1	Negative	0
450	10/11/2010 13:37	WALL	DRYWALL	B	FAIR	WHITE	L360	3	1	Negative	0.02
451	10/11/2010 13:37	WALL	DRYWALL	C	FAIR	WHITE	L360	3	1	Negative	0
452	10/11/2010 13:37	WALL	DRYWALL	D	FAIR	WHITE	L360	3	1	Negative	0.01
453	10/11/2010 13:37	DOOR	WOOD	A	FAIR	WHITE	L360	3	1	Negative	0
454	10/11/2010 13:38	DOOR JAMB	WOOD	A	FAIR	WHITE	L360	3	1	Negative	0
455	10/11/2010 13:38	DOOR CASING	WOOD	A	FAIR	WHITE	L360	3	1	Negative	0
456	10/11/2010 13:38	WALL	DRYWALL	A	FAIR	YELLOW	L360	3	2	Negative	0.02
457	10/11/2010 13:38	WALL	DRYWALL	B	FAIR	YELLOW	L360	3	2	Negative	0.25
458	10/11/2010 13:38	WALL	DRYWALL	C	FAIR	YELLOW	L360	3	2	Negative	0.03
459	10/11/2010 13:39	WALL	DRYWALL	D	FAIR	YELLOW	L360	3	2	Negative	0.03
460	10/11/2010 13:39	WALL	DRYWALL	A	FAIR	YELLOW	L360	3	3	Negative	0.01
461	10/11/2010 13:39	WALL	DRYWALL	B	FAIR	WHITE	L360	3	3	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	UNIT	FLOOR	ROOM	Results	PbC
462	10/11/2010 13:39	WALL	DRYWALL	C	FAIR	WHITE	L360	3	3	Negative	0.02
463	10/11/2010 13:40	WALL	DRYWALL	D	FAIR	WHITE	L360	3	3	Negative	0
464	10/11/2010 13:40	WINDOW STOOL	WOOD	C	FAIR	WHITE	L360	3	3	Negative	0
465	10/11/2010 13:40	WALL	WOOD	A	FAIR	BEIGE	L360	3	PORCH	Negative	0.02
466	10/11/2010 13:41	PORCH RAIL	WOOD	C	FAIR	GREEN	L360	3	PORCH	Negative	0.01
467	10/11/2010 13:41	COLUMN	WOOD	C	FAIR	BEIGE	L360	3	PORCH	Negative	0.03
468	10/11/2010 13:41	STRINGER	WOOD	C	FAIR	BEIGE	L360	3	PORCH	Negative	0.03
469	10/11/2010 13:42	WALL	DRYWALL	A	FAIR	WHITE	L360	3	4	Negative	0
470	10/11/2010 13:42	WALL	DRYWALL	B	FAIR	WHITE	L360	3	4	Negative	0.01
471	10/11/2010 13:42	WALL	DRYWALL	C	FAIR	WHITE	L360	3	4	Negative	0.01
472	10/11/2010 13:42	WALL	DRYWALL	D	FAIR	WHITE	L360	3	4	Negative	0
473	10/11/2010 13:43	DOOR	WOOD	A	FAIR	WHITE	L360	3	4	Negative	0
474	10/11/2010 13:43	DOOR JAMB	WOOD	A	FAIR	WHITE	L360	3	4	Negative	0
475	10/11/2010 13:43	WINDOW STOOL	WOOD	C	FAIR	WHITE	L360	3	4	Negative	0.02
476	10/11/2010 13:43	WALL	DRYWALL	A	FAIR	WHITE	L360	3	5	Negative	0.03
477	10/11/2010 13:44	WALL	DRYWALL	B	FAIR	WHITE	L360	3	5	Negative	0.06
478	10/11/2010 13:44	WALL	DRYWALL	C	FAIR	WHITE	L360	3	5	Negative	0.01
479	10/11/2010 13:44	WALL	DRYWALL	D	FAIR	WHITE	L360	3	5	Negative	0
480	10/11/2010 13:44	DOOR	WOOD	C	FAIR	WHITE	L360	3	5	Negative	0
481	10/11/2010 13:44	DOOR JAMB	WOOD	C	FAIR	WHITE	L360	3	5	Negative	0
482	10/11/2010 13:47	WALL	DRYWALL	A	FAIR	WHITE	L159	1	1	Negative	0
483	10/11/2010 13:47	WALL	DRYWALL	B	FAIR	WHITE	L159	1	1	Negative	0
484	10/11/2010 13:47	WALL	DRYWALL	C	FAIR	WHITE	L159	1	1	Negative	0
485	10/11/2010 13:48	WALL	DRYWALL	D	FAIR	WHITE	L159	1	1	Negative	0
486	10/11/2010 13:48	DOOR	WOOD	A	FAIR	WHITE	L159	1	1	Negative	0
487	10/11/2010 13:48	DOOR JAMB	WOOD	A	FAIR	WHITE	L159	1	1	Negative	0
488	10/11/2010 13:48	DOOR CASING	WOOD	A	FAIR	WHITE	L159	1	1	Negative	0
489	10/11/2010 13:49	WALL	DRYWALL	A	FAIR	WHITE	L159	1	1	Negative	0
490	10/11/2010 13:49	WALL	DRYWALL	B	FAIR	WHITE	L159	1	2	Negative	0.01
491	10/11/2010 13:49	WALL	DRYWALL	C	FAIR	WHITE	L159	1	2	Negative	0.01
492	10/11/2010 13:49	WALL	DRYWALL	D	FAIR	WHITE	L159	1	2	Negative	0.03
493	10/11/2010 13:49	CABINET	WOOD	A	FAIR	WHITE	L159	1	2	Negative	0.02
494	10/11/2010 13:50	DOOR	WOOD	B	FAIR	WHITE	L159	1	2	Negative	0
495	10/11/2010 13:50	DOOR JAMB	WOOD	B	FAIR	WHITE	L159	1	2	Negative	0
496	10/11/2010 13:50	WALL	DRYWALL	A	FAIR	WHITE	L159	1	3	Negative	0
497	10/11/2010 13:50	WALL	DRYWALL	B	FAIR	WHITE	L159	1	3	Negative	0
498	10/11/2010 13:50	WALL	DRYWALL	C	FAIR	WHITE	L159	1	3	Negative	0.01
499	10/11/2010 13:51	WALL	DRYWALL	D	FAIR	WHITE	L159	1	3	Negative	0
500	10/11/2010 13:51	WINDOW STOOL	WOOD	D	FAIR	WHITE	L159	1	3	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	UNIT	FLOOR	ROOM	Results	PbC
501	10/11/2010 13:51	WALL	DRYWALL	A	FAIR	WHITE	L159	1	4	Negative	0
502	10/11/2010 13:52	WALL	DRYWALL	B	FAIR	WHITE	L159	1	4	Negative	0.26
503	10/11/2010 13:52	WALL	DRYWALL	C	FAIR	WHITE	L159	1	4	Negative	0.02
504	10/11/2010 13:52	WALL	DRYWALL	D	FAIR	WHITE	L159	1	4	Negative	0.01
505	10/11/2010 13:52	DOOR	WOOD	A	FAIR	WHITE	L159	1	4	Negative	0
506	10/11/2010 13:52	DOOR JAMB	WOOD	A	FAIR	WHITE	L159	1	4	Negative	0
507	10/11/2010 13:53	WALL	DRYWALL	A	FAIR	WHITE	L159	1	5	Negative	0
508	10/11/2010 13:53	WALL	DRYWALL	B	FAIR	WHITE	L159	1	5	Negative	0
509	10/11/2010 13:53	WALL	DRYWALL	C	FAIR	WHITE	L159	1	5	Negative	0
510	10/11/2010 13:53	WALL	DRYWALL	D	FAIR	WHITE	L159	1	5	Negative	0
511	10/11/2010 13:54	DOOR	WOOD	D	FAIR	WHITE	L159	1	5	Negative	0.01
512	10/11/2010 13:54	DOOR JAMB	WOOD	D	FAIR	WHITE	L159	1	5	Negative	0
513	10/11/2010 13:54	BASEBOARD	WOOD	D	FAIR	WHITE	L159	1	5	Negative	0.01
514	10/11/2010 13:54	WALL	DRYWALL	A	FAIR	WHITE	L159	1	6	Negative	0.02
515	10/11/2010 13:54	WALL	DRYWALL	B	FAIR	WHITE	L159	1	6	Negative	0
516	10/11/2010 13:55	WALL	DRYWALL	C	FAIR	WHITE	L159	1	6	Negative	0.08
517	10/11/2010 13:55	WALL	DRYWALL	D	FAIR	WHITE	L159	1	6	Negative	0.06
518	10/11/2010 13:55	DOOR	WOOD	C	FAIR	WHITE	L159	1	6	Negative	0
519	10/11/2010 13:55	DOOR JAMB	WOOD	C	FAIR	WHITE	L159	1	6	Negative	0
520	10/11/2010 13:55	WALL	DRYWALL	A	FAIR	WHITE	L159	1	7	Negative	0.09
521	10/11/2010 13:56	WALL	DRYWALL	B	FAIR	WHITE	L159	1	7	Negative	0.05
522	10/11/2010 13:56	WALL	DRYWALL	C	FAIR	WHITE	L159	1	7	Negative	0.09
523	10/11/2010 13:56	WALL	DRYWALL	D	FAIR	WHITE	L159	1	7	Negative	0.02
524	10/11/2010 13:56	DOOR	WOOD	C	FAIR	WHITE	L159	1	7	Negative	0
525	10/11/2010 13:56	DOOR JAMB	WOOD	C	FAIR	WHITE	L159	1	7	Negative	0
526	10/11/2010 13:56	CEILING	DRYWALL	C	FAIR	WHITE	L159	1	7	Negative	0.09
527	10/11/2010 14:01	WALL	DRYWALL	A	FAIR	WHITE	N366	3	1	Negative	0.02
528	10/11/2010 14:01	WALL	DRYWALL	B	FAIR	WHITE	N366	3	1	Negative	0
529	10/11/2010 14:01	WALL	DRYWALL	C	FAIR	WHITE	N366	3	1	Negative	0
530	10/11/2010 14:01	WALL	DRYWALL	D	FAIR	WHITE	N366	3	1	Negative	0
531	10/11/2010 14:01	DOOR	WOOD	A	FAIR	WHITE	N366	3	1	Negative	0.01
532	10/11/2010 14:02	DOOR JAMB	WOOD	A	FAIR	WHITE	N366	3	1	Negative	0
533	10/11/2010 14:02	WALL	DRYWALL	A	FAIR	WHITE	N366	3	1	Negative	0.02
534	10/11/2010 14:02	WALL	DRYWALL	B	FAIR	WHITE	N366	3	2	Negative	0.05
535	10/11/2010 14:02	WALL	DRYWALL	C	FAIR	WHITE	N366	3	2	Negative	0
536	10/11/2010 14:03	WALL	DRYWALL	D	FAIR	WHITE	N366	3	2	Negative	0.01
537	10/11/2010 14:03	DOOR	WOOD	D	FAIR	WHITE	N366	3	2	Negative	0
538	10/11/2010 14:03	DOOR JAMB	WOOD	D	FAIR	WHITE	N366	3	2	Negative	0
539	10/11/2010 14:03	CABINET	WOOD	A	FAIR	WHITE	N366	3	2	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	UNIT	FLOOR	ROOM	Results	PbC
540	10/11/2010 14:04	WALL	DRYWALL	A	FAIR	WHITE	N366	3	3	Negative	0.01
541	10/11/2010 14:04	WALL	DRYWALL	B	FAIR	WHITE	N366	3	3	Negative	0
542	10/11/2010 14:04	WALL	DRYWALL	C	FAIR	WHITE	N366	3	3	Negative	0
543	10/11/2010 14:04	WALL	DRYWALL	D	FAIR	WHITE	N366	3	3	Negative	0
544	10/11/2010 14:04	DOOR JAMB	WOOD	B	FAIR	WHITE	N366	3	3	Negative	0.02
545	10/11/2010 14:05	WALL	WOOD	D	FAIR	BEIGE	N366	3	PORCH	Negative	0
546	10/11/2010 14:05	PORCH RAIL	WOOD	B	FAIR	GREEN	N366	3	PORCH	Negative	0.01
547	10/11/2010 14:05	STRINGER	WOOD	B	FAIR	BEIGE	N366	3	PORCH	Negative	0.01
548	10/11/2010 14:06	COLUMN	WOOD	B	FAIR	BEIGE	N366	3	PORCH	Negative	0.01
549	10/11/2010 14:07	WALL	DRYWALL	A	FAIR	WHITE	N366	3	4	Negative	0
550	10/11/2010 14:07	WALL	DRYWALL	B	FAIR	WHITE	N366	3	4	Negative	0
551	10/11/2010 14:07	WALL	DRYWALL	C	FAIR	WHITE	N366	3	4	Negative	0
552	10/11/2010 14:07	WALL	DRYWALL	D	FAIR	WHITE	N366	3	4	Negative	0
553	10/11/2010 14:07	CLOSET DOOR	WOOD	D	FAIR	WHITE	N366	3	4	Negative	0
554	10/11/2010 14:08	DOOR	WOOD	A	FAIR	WHITE	N366	3	4	Negative	0
555	10/11/2010 14:08	DOOR JAMB	WOOD	A	FAIR	WHITE	N366	3	4	Negative	0
556	10/11/2010 14:08	WALL	DRYWALL	A	FAIR	WHITE	N366	3	5	Negative	0
557	10/11/2010 14:08	WALL	DRYWALL	B	FAIR	WHITE	N366	3	5	Negative	0.01
558	10/11/2010 14:08	WALL	DRYWALL	C	FAIR	WHITE	N366	3	5	Negative	0
559	10/11/2010 14:09	WALL	DRYWALL	D	FAIR	WHITE	N366	3	5	Negative	0
560	10/11/2010 14:09	DOOR	WOOD	B	FAIR	WHITE	N366	3	5	Negative	0
561	10/11/2010 14:09	DOOR JAMB	WOOD	B	FAIR	WHITE	N366	3	5	Negative	0
562	10/11/2010 14:09	WINDOW STOOL	WOOD	C	FAIR	WHITE	N366	3	5	Negative	0.02
563	10/11/2010 14:10	WALL	DRYWALL	A	FAIR	WHITE	N366	3	6	Negative	0.02
564	10/11/2010 14:10	WALL	DRYWALL	B	FAIR	WHITE	N366	3	6	Negative	0.02
565	10/11/2010 14:10	WALL	DRYWALL	C	FAIR	WHITE	N366	3	6	Negative	0.02
566	10/11/2010 14:10	WALL	DRYWALL	D	FAIR	WHITE	N366	3	6	Negative	0.04
567	10/11/2010 14:10	DOOR	WOOD	C	FAIR	WHITE	N366	3	6	Negative	0
568	10/11/2010 14:11	DOOR JAMB	WOOD	C	FAIR	WHITE	N366	3	6	Negative	0
569	10/11/2010 14:11	WALL	DRYWALL	A	FAIR	WHITE	N366	3	6	Negative	0
570	10/11/2010 14:11	WALL	DRYWALL	B	FAIR	WHITE	N366	3	7	Negative	0.04
571	10/11/2010 14:11	WALL	DRYWALL	C	FAIR	WHITE	N366	3	7	Negative	0.01
572	10/11/2010 14:12	WALL	DRYWALL	D	FAIR	WHITE	N366	3	7	Negative	0
573	10/11/2010 14:12	DOOR	WOOD	C	FAIR	WHITE	N366	3	7	Negative	0.07
574	10/11/2010 14:12	DOOR JAMB	WOOD	C	FAIR	WHITE	N366	3	7	Negative	0
575	10/11/2010 14:14	WALL	DRYWALL	A	FAIR	WHITE	N164	1	1	Negative	0.01
576	10/11/2010 14:14	WALL	DRYWALL	B	FAIR	WHITE	N164	1	1	Negative	0
577	10/11/2010 14:14	WALL	DRYWALL	C	FAIR	WHITE	N164	1	1	Negative	0.01
578	10/11/2010 14:15	WALL	DRYWALL	D	FAIR	WHITE	N164	1	1	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	UNIT	FLOOR	ROOM	Results	PbC
579	10/11/2010 14:15	WALL	WOOD	A	FAIR	WHITE	N164	1	1	Negative	0.05
580	10/11/2010 14:15	DOOR JAMB	WOOD	A	FAIR	WHITE	N164	1	1	Negative	0.5
581	10/11/2010 14:15	WALL	WOOD	A	FAIR	WHITE	N164	1	2	Negative	0.11
582	10/11/2010 14:15	WALL	WOOD	B	FAIR	WHITE	N164	1	2	Negative	0.06
583	10/11/2010 14:16	WALL	WOOD	C	FAIR	WHITE	N164	1	2	Negative	0.07
584	10/11/2010 14:16	WALL	WOOD	D	FAIR	WHITE	N164	1	2	Negative	0.06
585	10/11/2010 14:16	CABINET	WOOD	A	FAIR	WHITE	N164	1	2	Negative	0.04
586	10/11/2010 14:17	WALL	DRYWALL	A	FAIR	WHITE	N164	1	3	Negative	0.01
587	10/11/2010 14:17	WALL	DRYWALL	B	FAIR	WHITE	N164	1	3	Negative	0
588	10/11/2010 14:18	WALL	DRYWALL	C	FAIR	WHITE	N164	1	3	Negative	0.01
589	10/11/2010 14:18	WALL	DRYWALL	D	FAIR	WHITE	N164	1	3	Negative	0
590	10/11/2010 14:19	WALL	DRYWALL	A	FAIR	WHITE	N164	1	4	Negative	0
591	10/11/2010 14:19	WALL	DRYWALL	B	FAIR	WHITE	N164	1	4	Negative	0
592	10/11/2010 14:19	WALL	DRYWALL	C	FAIR	WHITE	N164	1	4	Negative	0
593	10/11/2010 14:19	WALL	DRYWALL	D	FAIR	WHITE	N164	1	4	Negative	0.3
594	10/11/2010 14:20	DOOR	WOOD	A	FAIR	WHITE	N164	1	4	Negative	0
595	10/11/2010 14:20	DOOR JAMB	WOOD	A	FAIR	WHITE	N164	1	4	Negative	0
596	10/11/2010 14:20	CLOSET DOOR	WOOD	D	FAIR	WHITE	N164	1	4	Negative	0
597	10/11/2010 14:20	WALL	DRYWALL	A	FAIR	WHITE	N164	1	4	Negative	0.01
598	10/11/2010 14:21	WALL	DRYWALL	B	FAIR	WHITE	N164	1	5	Negative	0.03
599	10/11/2010 14:21	WALL	DRYWALL	C	FAIR	WHITE	N164	1	5	Negative	0.05
600	10/11/2010 14:21	WALL	DRYWALL	D	FAIR	WHITE	N164	1	5	Negative	0.03
601	10/11/2010 14:21	DOOR	WOOD	C	FAIR	WHITE	N164	1	5	Negative	0.03
602	10/11/2010 14:21	DOOR JAMB	WOOD	C	FAIR	WHITE	N164	1	5	Negative	0
603	10/11/2010 14:22	CEILING	DRYWALL	C	FAIR	WHITE	N164	1	5	Negative	0.02
604	10/11/2010 14:22	CABINET	WOOD	D	FAIR	WHITE	N164	1	5	Negative	0
605	10/11/2010 14:22	CABINET	WOOD	D	FAIR	WHITE	N164	1	5	Negative	0
606	10/11/2010 14:25	WALL	WOOD	A	FAIR	BEIGE	N164	1	5	Negative	0
607	10/11/2010 14:26	WINDOW PANEL	WOOD	A	FAIR	GREEN	C BUILDING	1	EXTERIOR	Negative	0.01
608	10/11/2010 14:26	WALL	WOOD	B	FAIR	BEIGE	C BUILDING	1	EXTERIOR	Negative	0
609	10/11/2010 14:27	FENCE	WOOD	B	FAIR	BEIGE	C BUILDING	1	EXTERIOR	Negative	0.03
610	10/11/2010 14:27	TRIM	WOOD	B	FAIR	GREEN	C BUILDING	1	EXTERIOR	Negative	0
611	10/11/2010 14:28	WALL	WOOD	C	FAIR	BEIGE	C BUILDING	1	EXTERIOR	Negative	0.02
612	10/11/2010 14:28	TRIM	WOOD	C	FAIR	GREEN	C BUILDING	1	EXTERIOR	Negative	0.01
613	10/11/2010 14:29	WALL	WOOD	D	FAIR	BEIGE	C BUILDING	1	EXTERIOR	Negative	0.12
614	10/11/2010 14:29	FENCE	WOOD	D	FAIR	BEIGE	C BUILDING	1	EXTERIOR	Negative	0
615	10/11/2010 14:30	STAIR RAIL	WOOD	A	FAIR	GREEN	C BUILDING	1	EXTERIOR	Negative	0
616	10/11/2010 14:30	DOOR	WOOD	A	FAIR	BEIGE	C BUILDING	1	EXTERIOR	Negative	0
617	10/11/2010 14:30	WINDOW CASING	WOOD	A	FAIR	WHITE	C BUILDING	1	EXTERIOR	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	UNIT	FLOOR	ROOM	Results	PbC
618	10/11/2010 14:30	DOOR THRESHOLD	WOOD	A	FAIR	GREEN	C BUILDING	1	EXTERIOR	Negative	0.01
619	10/11/2010 14:31	CARPOT COLUMN	WOOD	A	FAIR	GREEN	C BUILDING	1	EXTERIOR	Negative	0.15
620	10/11/2010 14:32	CARPOT SUPPORT BEAM	WOOD	A	FAIR	BEIGE	C BUILDING	1	EXTERIOR	Negative	0.01
621	10/11/2010 14:41	WALL	DRYWALL	A	FAIR	WHITE	B303	3	1	Negative	0.02
622	10/11/2010 14:41	WALL	DRYWALL	B	FAIR	WHITE	B303	3	1	Negative	0
623	10/11/2010 14:41	WALL	DRYWALL	C	FAIR	WHITE	B303	3	1	Negative	0.01
624	10/11/2010 14:41	WALL	DRYWALL	D	FAIR	WHITE	B303	3	1	Negative	0.03
625	10/11/2010 14:41	DOOR	WOOD	A	FAIR	WHITE	B303	3	1	Negative	0.01
626	10/11/2010 14:41	DOOR JAMB	WOOD	A	FAIR	WHITE	B303	3	1	Negative	0
627	10/11/2010 14:42	DOOR CASING	WOOD	A	FAIR	WHITE	B303	3	1	Negative	0
628	10/11/2010 14:42	WALL	DRYWALL	A	FAIR	WHITE	B303	3	2	Negative	0.24
629	10/11/2010 14:42	WALL	DRYWALL	B	FAIR	WHITE	B303	3	2	Negative	0.06
630	10/11/2010 14:42	WALL	DRYWALL	C	FAIR	WHITE	B303	3	2	Negative	0.02
631	10/11/2010 14:43	WALL	DRYWALL	D	FAIR	WHITE	B303	3	2	Negative	0.12
632	10/11/2010 14:43	CABINET	WOOD	A	FAIR	WHITE	B303	3	2	Negative	0
633	10/11/2010 14:43	WALL	DRYWALL	A	FAIR	WHITE	B303	3	3	Negative	0
634	10/11/2010 14:43	WALL	DRYWALL	B	FAIR	WHITE	B303	3	3	Negative	0.07
635	10/11/2010 14:44	WALL	DRYWALL	C	FAIR	WHITE	B303	3	3	Negative	0.02
636	10/11/2010 14:44	WALL	DRYWALL	D	FAIR	WHITE	B303	3	3	Negative	0.04
637	10/11/2010 14:44	DOOR JAMB	WOOD	C	FAIR	WHITE	B303	3	3	Negative	0
638	10/11/2010 14:44	WINDOW STOOL	WOOD	C	FAIR	WHITE	B303	3	3	Negative	0
639	10/11/2010 14:45	WALL	WOOD	A	FAIR	BEIGE	B303	3	PORCH	Negative	0.03
640	10/11/2010 14:45	PORCH RAIL	WOOD	B	FAIR	GREEN	B303	3	PORCH	Negative	0.04
641	10/11/2010 14:45	COLUMN	WOOD	B	FAIR	BEIGE	B303	3	PORCH	Negative	0.07
642	10/11/2010 14:46	WALL	DRYWALL	A	FAIR	WHITE	B303	3	4	Negative	0.03
643	10/11/2010 14:46	WALL	DRYWALL	B	FAIR	WHITE	B303	3	4	Negative	0.25
644	10/11/2010 14:46	WALL	DRYWALL	C	FAIR	WHITE	B303	3	4	Negative	0.01
645	10/11/2010 14:47	WALL	DRYWALL	D	FAIR	WHITE	B303	3	4	Negative	0.01
646	10/11/2010 14:47	WINDOW STOOL	WOOD	C	FAIR	WHITE	B303	3	4	Negative	0.03
647	10/11/2010 14:47	DOOR	WOOD	A	FAIR	WHITE	B303	3	4	Negative	0
648	10/11/2010 14:47	DOOR JAMB	WOOD	A	FAIR	WHITE	B303	3	4	Negative	0.01
649	10/11/2010 14:48	WALL	DRYWALL	A	FAIR	WHITE	B303	3	5	Negative	0.02
650	10/11/2010 14:48	WALL	DRYWALL	B	FAIR	WHITE	B303	3	5	Negative	0.01
651	10/11/2010 14:48	WALL	DRYWALL	C	FAIR	WHITE	B303	3	5	Negative	0.02
652	10/11/2010 14:48	WALL	DRYWALL	D	FAIR	WHITE	B303	3	5	Negative	0.02
653	10/11/2010 14:48	DOOR	WOOD	C	FAIR	WHITE	B303	3	5	Negative	0.02
654	10/11/2010 14:48	DOOR JAMB	WOOD	C	FAIR	WHITE	B303	3	5	Negative	-0.49
655	10/11/2010 14:49	CABINET	WOOD	B	FAIR	WHITE	B303	3	5	Negative	0
656	10/11/2010 14:51	WALL	DRYWALL	A	FAIR	WHITE	B103	1	1	Negative	0.01

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	UNIT	FLOOR	ROOM	Results	PbC
657	10/11/2010 14:51	WALL	DRYWALL	B	FAIR	WHITE	B103	1	1	Negative	0
658	10/11/2010 14:51	WALL	DRYWALL	C	FAIR	WHITE	B103	1	1	Negative	0.03
659	10/11/2010 14:51	WALL	DRYWALL	D	FAIR	WHITE	B103	1	1	Negative	0.01
660	10/11/2010 14:51	DOOR	WOOD	A	FAIR	WHITE	B103	1	1	Negative	0.01
661	10/11/2010 14:51	DOOR JAMB	WOOD	A	FAIR	WHITE	B103	1	1	Negative	0
662	10/11/2010 14:52	DOOR CASING	WOOD	A	FAIR	WHITE	B103	1	1	Negative	0.01
663	10/11/2010 14:52	WALL	DRYWALL	A	FAIR	WHITE	B103	1	2	Negative	0.06
664	10/11/2010 14:52	WALL	DRYWALL	B	FAIR	WHITE	B103	1	2	Negative	0.05
665	10/11/2010 14:52	WALL	DRYWALL	C	FAIR	WHITE	B103	1	2	Negative	0.05
666	10/11/2010 14:53	WALL	DRYWALL	D	FAIR	WHITE	B103	1	2	Negative	0.04
667	10/11/2010 14:53	CABINET	WOOD	A	FAIR	CLEAR	B103	1	2	Negative	0.01
668	10/11/2010 14:53	WALL	DRYWALL	A	FAIR	WHITE	B103	1	3	Negative	0
669	10/11/2010 14:53	WALL	DRYWALL	B	FAIR	WHITE	B103	1	3	Negative	0.01
670	10/11/2010 14:54	WALL	DRYWALL	C	FAIR	WHITE	B103	1	3	Negative	0
671	10/11/2010 14:54	WALL	DRYWALL	D	FAIR	WHITE	B103	1	3	Negative	0.01
672	10/11/2010 14:54	WINDOW STOOL	WOOD	C	FAIR	WHITE	B103	1	3	Negative	0
673	10/11/2010 14:55	WALL	DRYWALL	A	FAIR	WHITE	B103	1	5	Negative	0.03
674	10/11/2010 14:55	WALL	DRYWALL	B	FAIR	WHITE	B103	1	5	Negative	0.04
675	10/11/2010 14:55	WALL	DRYWALL	C	FAIR	WHITE	B103	1	5	Negative	0.01
676	10/11/2010 14:55	WALL	DRYWALL	D	FAIR	WHITE	B103	1	5	Negative	0.05
677	10/11/2010 14:55	DOOR	WOOD	C	FAIR	WHITE	B103	1	5	Negative	0.01
678	10/11/2010 14:56	DOOR JAMB	WOOD	C	FAIR	WHITE	B103	1	5	Negative	0
679	10/11/2010 14:58	WALL	DRYWALL	A	FAIR	WHITE	B BUILDING	1	HALL	Negative	0.03
680	10/11/2010 14:58	WALL	DRYWALL	B	FAIR	WHITE	B BUILDING	1	HALL	Negative	0.01
681	10/11/2010 14:58	WALL	DRYWALL	C	FAIR	WHITE	B BUILDING	1	HALL	Negative	0.01
682	10/11/2010 14:58	WALL	DRYWALL	D	FAIR	WHITE	B BUILDING	1	HALL	Negative	0
683	10/11/2010 14:59	WINDOW STOOL	WOOD	A	FAIR	GREEN	B BUILDING	1	HALL	Negative	0.01
684	10/11/2010 14:59	BASEBOARD	WOOD	A	FAIR	WHITE	B BUILDING	1	HALL	Negative	0
685	10/11/2010 15:00	WALL	DRYWALL	A	FAIR	WHITE	B BUILDING	1	HALL	Negative	0
686	10/11/2010 15:00	WALL	DRYWALL	B	FAIR	WHITE	B BUILDING	1	STAIR	Negative	0
687	10/11/2010 15:00	WALL	DRYWALL	C	FAIR	WHITE	B BUILDING	1	STAIR	Negative	0
688	10/11/2010 15:01	WALL	DRYWALL	D	FAIR	WHITE	B BUILDING	1	STAIR	Negative	0
689	10/11/2010 15:01	DOOR	METAL	D	FAIR	GREEN	B BUILDING	1	STAIR	Negative	0
690	10/11/2010 15:01	DOOR JAMB	METAL	D	FAIR	GREEN	B BUILDING	1	STAIR	Negative	0.04
691	10/11/2010 15:01	DOOR JAMB	WOOD	C	FAIR	GREEN	B BUILDING	1	STAIR	Negative	0.01
692	10/11/2010 15:02	WALL	WOOD	A	FAIR	BEIGE	B BUILDING	1	EXTERIOR	Negative	0.19
693	10/11/2010 15:03	WALL	WOOD	B	FAIR	BEIGE	B BUILDING	1	EXTERIOR	Negative	0.02
694	10/11/2010 15:03	FENCE	WOOD	B	FAIR	BEIGE	B BUILDING	1	EXTERIOR	Negative	0
695	10/11/2010 15:04	WALL	WOOD	C	FAIR	BEIGE	B BUILDING	1	EXTERIOR	Negative	0.05

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	UNIT	FLOOR	ROOM	Results	PbC
696	10/11/2010 15:05	WALL	WOOD	D	FAIR	BEIGE	B BUILDING	1	EXTERIOR	Negative	0.01
697	10/11/2010 15:05	WALL	WOOD	A	FAIR	BEIGE	A BUILDING	1	EXTERIOR	Negative	0.02
698	10/11/2010 15:06	WALL	WOOD	B	FAIR	BEIGE	A BUILDING	1	EXTERIOR	Negative	0.01
699	10/11/2010 15:06	TRIM	WOOD	B	FAIR	GREEN	A BUILDING	1	EXTERIOR	Negative	0
700	10/11/2010 15:06	TRIM	WOOD	C	FAIR	GREEN	A BUILDING	1	EXTERIOR	Negative	0.01
701	10/11/2010 15:06	DOOR CASING	WOOD	C	FAIR	WHITE	A BUILDING	1	EXTERIOR	Negative	0
702	10/11/2010 15:07	DOOR JAMB	WOOD	C	FAIR	WHITE	A BUILDING	1	EXTERIOR	Negative	0
703	10/11/2010 15:07	WINDOW CASING	WOOD	C	FAIR	BEIGE	A BUILDING	1	EXTERIOR	Negative	0
704	10/11/2010 15:07	WALL	WOOD	D	FAIR	BEIGE	A BUILDING	1	EXTERIOR	Negative	0.03
705	10/11/2010 15:08	DOOR	WOOD	D	FAIR	GREEN	A BUILDING	1	EXTERIOR	Negative	0.04
706	10/11/2010 15:08	DOOR CASING	WOOD	D	FAIR	GREEN	A BUILDING	1	EXTERIOR	Negative	0
707	10/11/2010 15:09	DOOR THRESHOLD	WOOD	D	FAIR	GREEN	A BUILDING	1	EXTERIOR	Negative	0
708	10/11/2010 15:09	STAIR RAIL	WOOD	D	FAIR	GREEN	A BUILDING	1	EXTERIOR	Negative	0
709	10/11/2010 15:09	CARPOT COLUMN	WOOD	D	FAIR	GREEN	A BUILDING	1	EXTERIOR	Negative	0.13
710	10/11/2010 15:10	CARPOT SUPPORT BEAM	WOOD	D	FAIR	BEIGE	A BUILDING	1	EXTERIOR	Negative	0
711	10/11/2010 15:11	CARPOT FASCIA	WOOD	D	FAIR	GREEN	A BUILDING	1	EXTERIOR	Negative	0.04
712	10/11/2010 15:14	WALL	WOOD	A	FAIR	BEIGE	E BUILDING	1	EXTERIOR	Negative	0.01
713	10/11/2010 15:14	TRIM	WOOD	A	FAIR	GREEN	E BUILDING	1	EXTERIOR	Negative	0
714	10/11/2010 15:15	FENCE	WOOD	A	FAIR	BEIGE	E BUILDING	1	EXTERIOR	Negative	0
715	10/11/2010 15:15	WALL	WOOD	B	FAIR	BEIGE	E BUILDING	1	EXTERIOR	Negative	0
716	10/11/2010 15:15	TRIM	WOOD	B	FAIR	GREEN	E BUILDING	1	EXTERIOR	Negative	0.02
717	10/11/2010 15:17	WALL	WOOD	C	FAIR	BEIGE	E BUILDING	1	EXTERIOR	Negative	0
718	10/11/2010 15:17	WALL	WOOD	D	FAIR	BEIGE	E BUILDING	1	EXTERIOR	Negative	0.02
719	10/11/2010 15:18	DOOR CASING	WOOD	D	FAIR	WHITE	E BUILDING	1	EXTERIOR	Negative	0
720	10/11/2010 15:18	DOOR	WOOD	D	FAIR	BEIGE	E BUILDING	1	EXTERIOR	Negative	0
721	10/11/2010 15:18	DOOR THRESHOLD	WOOD	D	FAIR	GREEN	E BUILDING	1	EXTERIOR	Negative	0
722	10/11/2010 15:18	STAIR RAIL	WOOD	D	FAIR	GREEN	E BUILDING	1	EXTERIOR	Negative	0
723	10/11/2010 15:19	COLUMN	WOOD	D	FAIR	GREEN	E BUILDING	1	EXTERIOR	Negative	0
724	10/11/2010 15:19	SUPPORT BEAM	WOOD	D	FAIR	BEIGE	E BUILDING	1	CARPOT	Negative	0.09
725	10/11/2010 15:21	WALL	WOOD	D	FAIR	BEIGE	E BUILDING	1	CARPOT	Negative	0.17
726	10/11/2010 15:22	FENCE	WOOD	A	FAIR	BEIGE	G BUILDING	1	EXTERIOR	Negative	0.03
727	10/11/2010 15:22	TRIM	WOOD	A	FAIR	BEIGE	G BUILDING	1	EXTERIOR	Negative	0
728	10/11/2010 15:22	WALL	WOOD	A	FAIR	GREEN	G BUILDING	1	EXTERIOR	Negative	0.01
729	10/11/2010 15:23	WALL	WOOD	B	FAIR	BEIGE	G BUILDING	1	EXTERIOR	Negative	0.01
730	10/11/2010 15:24	TRIM	WOOD	C	FAIR	BEIGE	G BUILDING	1	EXTERIOR	Negative	0.05
731	10/11/2010 15:24	WALL	WOOD	C	FAIR	GREEN	G BUILDING	1	EXTERIOR	Negative	0.01
732	10/11/2010 15:25	DOOR CASING	WOOD	D	FAIR	BEIGE	G BUILDING	1	EXTERIOR	Negative	0.01
733	10/11/2010 15:25	DOOR THRESHOLD	WOOD	D	FAIR	WHITE	G BUILDING	1	EXTERIOR	Negative	0
734	10/11/2010 15:25	DOOR	WOOD	D	FAIR	GREEN	G BUILDING	1	EXTERIOR	Negative	0.03
				D	FAIR	BEIGE	G BUILDING	1	EXTERIOR	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	UNIT	FLOOR	ROOM	Results	P5C
735	10/11/2010 15:25	STAIR RAIL	WOOD	D	FAIR	GREEN	G BUILDING	1	EXTERIOR	Negative	0
736	10/11/2010 15:26	COLUMN	WOOD	D	FAIR	GREEN	G BUILDING	1	CARPOT	Negative	0
737	10/11/2010 15:26	SUPPORT BEAM	WOOD	D	FAIR	GREEN	G BUILDING	1	CARPOT	Negative	0
738	10/11/2010 15:27	WALL	WOOD	A	FAIR	BEIGE	J BUILDING	1	EXTERIOR	Negative	0.01
739	10/11/2010 15:28	TRIM	WOOD	A	FAIR	GREEN	J BUILDING	1	EXTERIOR	Negative	0.05
740	10/11/2010 15:28	FENCE	WOOD	A	FAIR	BEIGE	J BUILDING	1	EXTERIOR	Negative	0
741	10/11/2010 15:29	WALL	WOOD	B	FAIR	BEIGE	J BUILDING	1	EXTERIOR	Negative	0
742	10/11/2010 15:30	WALL	WOOD	C	FAIR	BEIGE	J BUILDING	1	EXTERIOR	Negative	0.01
743	10/11/2010 15:30	WINDOW CASING	WOOD	C	FAIR	BEIGE	J BUILDING	1	EXTERIOR	Negative	0
744	10/11/2010 15:30	TRIM	WOOD	C	FAIR	GREEN	J BUILDING	1	EXTERIOR	Negative	0.05
745	10/11/2010 15:31	WALL	WOOD	D	FAIR	BEIGE	J BUILDING	1	EXTERIOR	Negative	0.02
746	10/11/2010 15:31	DOOR CASING	WOOD	D	FAIR	WHITE	J BUILDING	1	EXTERIOR	Negative	0
747	10/11/2010 15:31	DOOR THRESHOLD	WOOD	D	FAIR	GREEN	J BUILDING	1	EXTERIOR	Negative	0.01
748	10/11/2010 15:32	STAIR RAIL	WOOD	D	FAIR	GREEN	J BUILDING	1	EXTERIOR	Negative	0
749	10/11/2010 15:32	DOOR	WOOD	D	FAIR	BEIGE	J BUILDING	1	EXTERIOR	Negative	0
750	10/11/2010 15:32	COLUMN	WOOD	D	FAIR	GREEN	J BUILDING	1	CARPOT	Negative	0.12
751	10/11/2010 15:33	SUPPORT BEAM	WOOD	D	FAIR	BEIGE	J BUILDING	1	CARPOT	Negative	0
752	10/11/2010 15:36			CALIBRATE						Negative	1.1
753	10/11/2010 15:36			CALIBRATE						Positive	1
754	10/11/2010 15:36			CALIBRATE						Positive	1

NVL Laboratories, Inc.

4708 Aurora Ave. N., Seattle, WA 98103
 Tel: 206.547.0100, Fax: 206.634.1936
 1.888.NVLLABS(685.5227), www.nvllabs.com

Calibration Check Test Results



Date: Oct 12, 2010

Client: King County Housing Authority

Project Location: "Cascadian Apartment" 15517 NE. 12th Street

NVL Project #: 2010-636

Device: Niton XL 309 Spectrum Analyzer

XRF Serial #: 25392TR1368

Inspected by: Antonio Herrera

Certification #: 0172

Inspector Signature: 

Expiration Date: Sep 08, 2011

NIST SRM Used 1.04 mg/cm²

Calibration Check Tolerance Used

+/- 0.06 mg/cm²

First Calibration Check

NIST SRM			Average
First Reading	Second Reading	Third Reading	
1.0	0.9	0.9	0.93

Second Calibration Check

NIST SRM			Average
First Reading	Second Reading	Third Reading	
1.0	1.0	1.2	1.07

Third Calibration Check (if required)

NIST SRM			Average
First Reading	Second Reading	Third Reading	
1.2	1.0	1.1	1.1

Fourth Calibration Check (if required)

NIST SRM			Average
First Reading	Second Reading	Third Reading	

NITON
 Serial # XLP 300A - 25392TR1368
 PAINT

Inspected by: Antonio Herrera; WA / DOC Lead-Based Paint Inspector Certification # 0172 (Expires on; September 8, 2011)
 Site: "Cascadian Apartments" - 15517 NE 12th Street, Bellevue, WA 98007
 Date: 10/12/2010 9:30AM

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	SITE	FLOOR	ROOM	Results	PbC
755	10/12/2010 9:40			SHUTTER CAL						Positive	5.14
756	10/12/2010 9:41			CALIBRATE						Positive	1
757	10/12/2010 9:41			CALIBRATE						Positive	0.9
758	10/12/2010 9:41			CALIBRATE						Negative	0.9
759	10/12/2010 10:07	WALL	DRYWALL	A	FAIR	WHITE	D111	1	1	Negative	0.01
760	10/12/2010 10:07	WALL	DRYWALL	B	FAIR	WHITE	D111	1	1	Negative	0
761	10/12/2010 10:07	WALL	DRYWALL	C	FAIR	WHITE	D111	1	1	Negative	0.01
762	10/12/2010 10:08	WALL	DRYWALL	D	FAIR	WHITE	D111	1	1	Negative	0.01
763	10/12/2010 10:08	CLOSET SHELF	WOOD	D	FAIR	WHITE	D111	1	1	Negative	0
764	10/12/2010 10:08	DOOR	WOOD	A	FAIR	WHITE	D111	1	1	Negative	0
765	10/12/2010 10:08	DOOR JAMB	WOOD	A	FAIR	WHITE	D111	1	1	Negative	0
766	10/12/2010 10:08	DOOR CASING	WOOD	A	FAIR	WHITE	D111	1	1	Negative	0
767	10/12/2010 10:09	WALL	DRYWALL	A	FAIR	WHITE	D111	1	1	Negative	0
768	10/12/2010 10:09	WALL	DRYWALL	A	FAIR	WHITE	D111	1	2	Negative	0.01
769	10/12/2010 10:09	WALL	DRYWALL	B	FAIR	WHITE	D111	1	2	Negative	0.01
770	10/12/2010 10:09	WALL	DRYWALL	C	FAIR	WHITE	D111	1	2	Negative	0.05
771	10/12/2010 10:09	WALL	DRYWALL	D	FAIR	WHITE	D111	1	2	Negative	0.06
772	10/12/2010 10:10	CABINET	WOOD	A	FAIR	WHITE	D111	1	2	Negative	-0.37
773	10/12/2010 10:10	WALL	DRYWALL	A	FAIR	WHITE	D111	1	3	Negative	0
774	10/12/2010 10:10	WALL	DRYWALL	B	FAIR	WHITE	D111	1	3	Negative	0.01
775	10/12/2010 10:10	WALL	DRYWALL	C	FAIR	WHITE	D111	1	3	Negative	0.04
776	10/12/2010 10:10	WALL	DRYWALL	D	FAIR	WHITE	D111	1	3	Negative	0.01
777	10/12/2010 10:11	DOOR JAMB	WOOD	C	FAIR	WHITE	D111	1	3	Negative	0
778	10/12/2010 10:11	WALL	DRYWALL	A	FAIR	WHITE	D111	1	4	Negative	0.01
779	10/12/2010 10:11	WALL	DRYWALL	B	FAIR	WHITE	D111	1	4	Negative	0
780	10/12/2010 10:11	WALL	DRYWALL	C	FAIR	WHITE	D111	1	4	Negative	0.06
781	10/12/2010 10:11	WALL	DRYWALL	D	FAIR	WHITE	D111	1	4	Negative	0
782	10/12/2010 10:12	WINDOW STOOL	WOOD	C	FAIR	WHITE	D111	1	4	Negative	0.01
783	10/12/2010 10:12	CLOSET DOOR	WOOD	A	FAIR	WHITE	D111	1	4	Negative	0.02
784	10/12/2010 10:12	DOOR	WOOD	A	FAIR	WHITE	D111	1	4	Negative	0
785	10/12/2010 10:12	DOOR JAMB	WOOD	A	FAIR	WHITE	D111	1	4	Negative	0
786	10/12/2010 10:13	WALL	DRYWALL	A	FAIR	WHITE	D111	1	5	Negative	0
787	10/12/2010 10:13	WALL	DRYWALL	B	FAIR	WHITE	D111	1	5	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	SITE	FLOOR	ROOM	Results	PbC
787	10/12/2010 10:13	WALL	DRYWALL	C	FAIR	WHITE	D111	1	5	Negative	0.05
788	10/12/2010 10:13	WALL	DRYWALL	D	FAIR	WHITE	D111	1	5	Negative	0.01
789	10/12/2010 10:13	WINDOW STOOL	WOOD	C	FAIR	WHITE	D111	1	5	Negative	0.04
790	10/12/2010 10:14	WALL	DRYWALL	A	FAIR	WHITE	D111	1	6	Negative	0.01
791	10/12/2010 10:14	WALL	DRYWALL	B	FAIR	WHITE	D111	1	6	Negative	0.03
792	10/12/2010 10:14	WALL	DRYWALL	C	FAIR	WHITE	D111	1	6	Negative	0.01
793	10/12/2010 10:14	WALL	DRYWALL	D	FAIR	WHITE	D111	1	6	Negative	0.01
794	10/12/2010 10:15	DOOR	WOOD	C	FAIR	WHITE	D111	1	6	Negative	0
795	10/12/2010 10:15	DOOR JAMB	WOOD	C	FAIR	WHITE	D111	1	6	Negative	0
796	10/12/2010 10:15	WALL	DRYWALL	A	FAIR	WHITE	D111	1	7	Negative	0
797	10/12/2010 10:15	WALL	DRYWALL	B	FAIR	WHITE	D111	1	7	Negative	0.01
798	10/12/2010 10:15	WALL	DRYWALL	C	FAIR	WHITE	D111	1	7	Negative	0
799	10/12/2010 10:16	WALL	DRYWALL	D	FAIR	WHITE	D111	1	7	Negative	0.02
800	10/12/2010 10:16	DOOR	WOOD	C	FAIR	WHITE	D111	1	7	Negative	0
801	10/12/2010 10:16	DOOR JAMB	WOOD	C	FAIR	WHITE	D111	1	7	Negative	0
802	10/12/2010 10:17	WALL	DRYWALL	B	FAIR	WHITE	D109	1	1	Negative	0
803	10/12/2010 10:18	WALL	DRYWALL	C	FAIR	WHITE	D109	1	1	Negative	0.01
804	10/12/2010 10:18	WALL	DRYWALL	D	FAIR	WHITE	D109	1	1	Negative	0.01
805	10/12/2010 10:18	DOOR	WOOD	A	FAIR	WHITE	D109	1	1	Negative	0
806	10/12/2010 10:18	DOOR CASING	WOOD	A	FAIR	WHITE	D109	1	1	Negative	0
807	10/12/2010 10:18	DOOR JAMB	WOOD	A	FAIR	WHITE	D109	1	1	Negative	0.01
808	10/12/2010 10:19	WALL	DRYWALL	A	FAIR	WHITE	D109	1	2	Negative	0.02
809	10/12/2010 10:19	WALL	DRYWALL	B	FAIR	WHITE	D109	1	2	Negative	0.01
810	10/12/2010 10:19	WALL	DRYWALL	C	FAIR	WHITE	D109	1	2	Negative	0
811	10/12/2010 10:19	WALL	DRYWALL	D	FAIR	WHITE	D109	1	2	Negative	0.02
812	10/12/2010 10:20	DOOR JAMB	WOOD	C	FAIR	WHITE	D109	1	2	Negative	0
813	10/12/2010 10:20	WALL	DRYWALL	A	FAIR	WHITE	D109	1	3	Negative	0.05
814	10/12/2010 10:20	WALL	DRYWALL	B	FAIR	WHITE	D109	1	3	Negative	0.04
815	10/12/2010 10:21	WALL	DRYWALL	C	FAIR	WHITE	D109	1	3	Negative	0.01
816	10/12/2010 10:21	WALL	DRYWALL	D	FAIR	WHITE	D109	1	3	Negative	0.05
817	10/12/2010 10:21	DOOR	WOOD	A	FAIR	WHITE	D109	1	3	Negative	-0.06
818	10/12/2010 10:21	DOOR JAMB	WOOD	A	FAIR	WHITE	D109	1	3	Negative	0
819	10/12/2010 10:21	WINDOW STOOL	WOOD	C	FAIR	WHITE	D109	1	3	Negative	0.01
820	10/12/2010 10:22	WALL	DRYWALL	A	FAIR	WHITE	D109	1	4	Negative	0.02
821	10/12/2010 10:22	WALL	DRYWALL	B	FAIR	WHITE	D109	1	4	Negative	0.02
822	10/12/2010 10:22	WALL	DRYWALL	C	FAIR	WHITE	D109	1	4	Negative	0.01
823	10/12/2010 10:22	WALL	DRYWALL	D	FAIR	WHITE	D109	1	4	Negative	0.9
824	10/12/2010 10:23	DOOR	WOOD	C	FAIR	WHITE	D109	1	4	Negative	-0.22
825	10/12/2010 10:23	DOOR JAMB	WOOD	C	FAIR	WHITE	D109	1	4	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	SITE	FLOOR	ROOM	Results	P5C
826	10/12/2010 10:25	WALL	DRYWALL	A	FAIR	WHITE	F113	1	1	Negative	0
827	10/12/2010 10:26	WALL	DRYWALL	B	FAIR	WHITE	F113	1	1	Negative	0
828	10/12/2010 10:26	WALL	DRYWALL	C	FAIR	WHITE	F113	1	1	Negative	0
829	10/12/2010 10:26	WALL	DRYWALL	D	FAIR	WHITE	F113	1	1	Negative	0
830	10/12/2010 10:26	DOOR	WOOD	A	FAIR	WHITE	F113	1	1	Negative	0
831	10/12/2010 10:26	DOOR CASING	WOOD	A	FAIR	WHITE	F113	1	1	Negative	0
832	10/12/2010 10:26	DOOR JAMB	WOOD	A	FAIR	WHITE	F113	1	1	Negative	0
833	10/12/2010 10:27	WALL	DRYWALL	A	FAIR	GREEN	F113	1	2	Negative	0.01
834	10/12/2010 10:27	WALL	DRYWALL	C	FAIR	GREEN	F113	1	2	Negative	0.06
835	10/12/2010 10:27	WALL	DRYWALL	D	FAIR	GREEN	F113	1	2	Negative	0.03
836	10/12/2010 10:27	DOOR JAMB	WOOD	D	FAIR	GREEN	F113	1	2	Negative	0
837	10/12/2010 10:28	WALL	DRYWALL	A	FAIR	GREEN	F113	1	3	Negative	0
838	10/12/2010 10:28	WALL	DRYWALL	B	FAIR	GREEN	F113	1	3	Negative	0.02
839	10/12/2010 10:29	WALL	DRYWALL	C	FAIR	GREEN	F113	1	3	Negative	0
840	10/12/2010 10:29	WALL	DRYWALL	D	FAIR	GREEN	F113	1	3	Negative	0
841	10/12/2010 10:29	WINDOW STOOL	WOOD	B	FAIR	WHITE	F113	1	3	Negative	0.05
842	10/12/2010 10:29	DOOR CASING	WOOD	B	FAIR	WHITE	F113	1	3	Negative	0
843	10/12/2010 10:30	WALL	DRYWALL	A	FAIR	YELLOW	F113	1	4	Negative	0
844	10/12/2010 10:30	WALL	DRYWALL	B	FAIR	YELLOW	F113	1	4	Negative	0
845	10/12/2010 10:30	WALL	DRYWALL	C	FAIR	YELLOW	F113	1	4	Negative	0
846	10/12/2010 10:30	WALL	DRYWALL	D	FAIR	YELLOW	F113	1	4	Negative	0
847	10/12/2010 10:31	DOOR	WOOD	A	FAIR	WHITE	F113	1	4	Negative	0
848	10/12/2010 10:31	DOOR JAMB	WOOD	A	FAIR	WHITE	F113	1	4	Negative	0
849	10/12/2010 10:31	DOOR CASING	WOOD	A	FAIR	WHITE	F113	1	4	Negative	0
850	10/12/2010 10:31	WINDOW STOOL	WOOD	C	FAIR	WHITE	F113	1	4	Negative	0.01
851	10/12/2010 10:32	WALL	DRYWALL	A	FAIR	WHITE	F113	1	5	Negative	0
852	10/12/2010 10:32	WALL	DRYWALL	B	FAIR	WHITE	F113	1	5	Negative	0
853	10/12/2010 10:32	WALL	DRYWALL	C	FAIR	PINK	F113	1	5	Negative	0
854	10/12/2010 10:32	WALL	DRYWALL	D	FAIR	PINK	F113	1	5	Negative	0
855	10/12/2010 10:33	DOOR	WOOD	B	FAIR	WHITE	F113	1	5	Negative	0
856	10/12/2010 10:33	DOOR JAMB	WOOD	B	FAIR	WHITE	F113	1	5	Negative	0
857	10/12/2010 10:33	WALL	DRYWALL	B	FAIR	WHITE	F113	1	5	Negative	0
858	10/12/2010 10:33	WALL	DRYWALL	A	FAIR	BLUE	F113	1	6	Negative	0.01
859	10/12/2010 10:34	WALL	DRYWALL	B	FAIR	BLUE	F113	1	6	Negative	0.6
859	10/12/2010 10:34	WALL	DRYWALL	C	FAIR	BLUE	F113	1	6	Negative	0.01
860	10/12/2010 10:34	WALL	DRYWALL	D	FAIR	WHITE	F113	1	6	Negative	0.04
861	10/12/2010 10:34	DOOR	WOOD	C	FAIR	WHITE	F113	1	6	Negative	0
862	10/12/2010 10:34	DOOR JAMB	WOOD	C	FAIR	WHITE	F113	1	6	Negative	0
863	10/12/2010 10:35	WALL	DRYWALL	A	FAIR	WHITE	F113	1	7	Negative	0
864	10/12/2010 10:35	WALL	DRYWALL	B	FAIR	WHITE	F113	1	7	Negative	0.21

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	SITE	FLOOR	ROOM	Results	PbC
865	10/12/2010 10:35	WALL	DRYWALL	C	FAIR	WHITE	F113	1	7	Negative	0.01
866	10/12/2010 10:35	WALL	DRYWALL	D	FAIR	WHITE	F113	1	7	Negative	0
867	10/12/2010 10:35	DOOR	WOOD	C	FAIR	WHITE	F113	1	7	Negative	0.01
868	10/12/2010 10:36	DOOR JAMB	WOOD	C	FAIR	WHITE	F113	1	7	Negative	0
869	10/12/2010 10:37	WALL	DRYWALL	B	FAIR	WHITE	F215	2	1	Negative	0
870	10/12/2010 10:37	WALL	DRYWALL	C	FAIR	WHITE	F215	2	1	Negative	0
871	10/12/2010 10:38	WALL	DRYWALL	D	FAIR	WHITE	F215	2	1	Negative	0
872	10/12/2010 10:38	DOOR	WOOD	A	FAIR	WHITE	F215	2	1	Negative	0
873	10/12/2010 10:38	DOOR JAMB	WOOD	A	FAIR	WHITE	F215	2	1	Negative	0
874	10/12/2010 10:38	DOOR CASING	WOOD	A	FAIR	WHITE	F215	2	1	Negative	0
875	10/12/2010 10:38	WALL	DRYWALL	A	FAIR	WHITE	F215	2	1	Negative	0.01
876	10/12/2010 10:38	WALL	DRYWALL	A	FAIR	WHITE	F215	2	2	Negative	0.02
877	10/12/2010 10:39	WALL	DRYWALL	B	FAIR	WHITE	F215	2	2	Negative	0
878	10/12/2010 10:39	WALL	DRYWALL	C	FAIR	WHITE	F215	2	2	Negative	0.08
879	10/12/2010 10:39	WALL	DRYWALL	D	FAIR	WHITE	F215	2	2	Negative	0.03
880	10/12/2010 10:39	CABINET	WOOD	A	FAIR	WHITE	F215	2	2	Negative	0
881	10/12/2010 10:39	WALL	DRYWALL	A	FAIR	WHITE	F215	2	3	Negative	0.01
882	10/12/2010 10:39	WALL	DRYWALL	B	FAIR	WHITE	F215	2	3	Negative	0
883	10/12/2010 10:40	WALL	DRYWALL	C	FAIR	WHITE	F215	2	3	Negative	0.03
884	10/12/2010 10:41	WALL	DRYWALL	D	FAIR	WHITE	F215	2	3	Negative	0
885	10/12/2010 10:41	WALL	WOOD	A	FAIR	BEIGE	F215	2	PORCH	Negative	0.01
886	10/12/2010 10:41	PORCH RAIL	WOOD	B	FAIR	BEIGE	F215	2	PORCH	Negative	0
887	10/12/2010 10:41	FASCIA	WOOD	C	FAIR	GREEN	F215	2	PORCH	Negative	0
888	10/12/2010 10:42	WINDOW CASING	WOOD	C	FAIR	GREEN	F215	2	PORCH	Negative	0.02
889	10/12/2010 10:42	WALL	WOOD	A	FAIR	BEIGE	F215	2	PORCH	Negative	0.06
890	10/12/2010 10:43	WALL	DRYWALL	A	FAIR	WHITE	F215	2	4	Negative	0.01
891	10/12/2010 10:43	WALL	DRYWALL	B	FAIR	WHITE	F215	2	4	Negative	0
892	10/12/2010 10:43	WALL	DRYWALL	C	FAIR	WHITE	F215	2	4	Negative	0
893	10/12/2010 10:43	WALL	DRYWALL	D	FAIR	WHITE	F215	2	4	Negative	0.02
894	10/12/2010 10:43	DOOR	WOOD	A	FAIR	WHITE	F215	2	4	Negative	0
895	10/12/2010 10:43	DOOR JAMB	WOOD	A	FAIR	WHITE	F215	2	4	Negative	0
896	10/12/2010 10:44	WINDOW STOOL	WOOD	C	FAIR	WHITE	F215	2	4	Negative	0
897	10/12/2010 10:44	WALL	DRYWALL	A	FAIR	WHITE	F215	2	4	Negative	0
898	10/12/2010 10:44	WALL	DRYWALL	B	FAIR	WHITE	F215	2	5	Negative	0
899	10/12/2010 10:44	WALL	DRYWALL	C	FAIR	WHITE	F215	2	5	Negative	0.03
900	10/12/2010 10:45	WALL	DRYWALL	D	FAIR	WHITE	F215	2	5	Negative	0.14
901	10/12/2010 10:45	DOOR	WOOD	C	FAIR	WHITE	F215	2	5	Negative	0
902	10/12/2010 10:45	DOOR JAMB	WOOD	C	FAIR	WHITE	F215	2	5	Negative	0
903	10/12/2010 10:52	CEILING	DRYWALL	C	FAIR	WHITE	F215	2	5	Negative	0
		WALL	DRYWALL	B	FAIR	GREEN	H119	1	1	Negative	0.01

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	SITE	FLOOR	ROOM	Results	P5C
904	10/12/2010 10:52	WALL	DRYWALL	C	FAIR	GREEN	H119	1	1	Negative	0
905	10/12/2010 10:52	WALL	DRYWALL	D	FAIR	GREEN	H119	1	1	Negative	0.01
906	10/12/2010 10:53	DOOR	WOOD	A	FAIR	WHITE	H119	1	1	Negative	0
907	10/12/2010 10:53	DOOR CASING	WOOD	A	FAIR	WHITE	H119	1	1	Negative	0
908	10/12/2010 10:53	DOOR JAMB	WOOD	A	FAIR	WHITE	H119	1	1	Negative	0
909	10/12/2010 10:53	WALL	DRYWALL	A	FAIR	WHITE	H119	1	2	Negative	0.11
910	10/12/2010 10:53	WALL	DRYWALL	B	FAIR	WHITE	H119	1	2	Negative	0.05
911	10/12/2010 10:54	WALL	DRYWALL	C	FAIR	WHITE	H119	1	2	Negative	0
912	10/12/2010 10:54	WALL	DRYWALL	D	FAIR	WHITE	H119	1	2	Negative	0.09
913	10/12/2010 10:54	WALL	DRYWALL	A	FAIR	GREEN	H119	1	3	Negative	0
914	10/12/2010 10:54	WALL	DRYWALL	B	FAIR	GREEN	H119	1	3	Negative	0
915	10/12/2010 10:55	WALL	DRYWALL	C	FAIR	WHITE	H119	1	3	Negative	0.01
916	10/12/2010 10:55	WALL	DRYWALL	D	FAIR	WHITE	H119	1	3	Negative	0
917	10/12/2010 10:55	WINDOW STOOL	WOOD	C	FAIR	WHITE	H119	1	3	Negative	0
918	10/12/2010 10:56	WALL	DRYWALL	A	FAIR	WHITE	H119	1	4	Negative	0
919	10/12/2010 10:56	WALL	DRYWALL	B	FAIR	WHITE	H119	1	4	Negative	0.01
920	10/12/2010 10:56	WALL	DRYWALL	C	FAIR	WHITE	H119	1	4	Negative	0.01
921	10/12/2010 10:56	WALL	DRYWALL	D	FAIR	WHITE	H119	1	4	Negative	0.01
922	10/12/2010 10:57	DOOR	WOOD	A	FAIR	WHITE	H119	1	4	Negative	0
923	10/12/2010 10:57	DOOR JAMB	WOOD	A	FAIR	WHITE	H119	1	4	Negative	0
924	10/12/2010 10:57	WALL	DRYWALL	A	FAIR	PINK	H119	1	5	Negative	0
925	10/12/2010 10:57	WALL	DRYWALL	B	FAIR	PINK	H119	1	5	Negative	0
926	10/12/2010 10:58	WALL	DRYWALL	C	FAIR	PINK	H119	1	5	Negative	0.05
927	10/12/2010 10:58	WALL	DRYWALL	D	FAIR	PINK	H119	1	5	Negative	0.01
928	10/12/2010 10:58	DOOR	WOOD	C	FAIR	WHITE	H119	1	5	Negative	0
929	10/12/2010 10:58	DOOR JAMB	WOOD	C	FAIR	WHITE	H119	1	5	Negative	0
930	10/12/2010 10:59	CLOSET DOOR	WOOD	C	FAIR	WHITE	H119	1	6	Negative	0
931	10/12/2010 10:59	BASEBOARD	WOOD	C	FAIR	WHITE	H119	1	6	Negative	0
932	10/12/2010 11:01	WALL	DRYWALL	A	FAIR	WHITE	H117	1	1	Negative	0
933	10/12/2010 11:01	WALL	DRYWALL	B	FAIR	WHITE	H117	1	1	Negative	0
934	10/12/2010 11:01	WALL	DRYWALL	C	FAIR	WHITE	H117	1	1	Negative	0
935	10/12/2010 11:01	WALL	DRYWALL	D	FAIR	WHITE	H117	1	1	Negative	0
936	10/12/2010 11:02	DOOR	WOOD	A	FAIR	WHITE	H117	1	1	Negative	0
937	10/12/2010 11:02	DOOR JAMB	WOOD	A	FAIR	WHITE	H117	1	1	Negative	0
938	10/12/2010 11:03	WALL	DRYWALL	A	FAIR	WHITE	H117	1	2	Negative	0.01
939	10/12/2010 11:03	WALL	DRYWALL	B	FAIR	WHITE	H117	1	2	Negative	0.01
940	10/12/2010 11:03	WALL	DRYWALL	C	FAIR	WHITE	H117	1	2	Negative	0.7
941	10/12/2010 11:04	WALL	DRYWALL	D	FAIR	WHITE	H117	1	2	Negative	0
942	10/12/2010 11:04	CABINET	WOOD	A	FAIR	WHITE	H117	1	2	Negative	0.01

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	SITE	FLOOR	ROOM	Results	PbC
943	10/12/2010 11:04	DOOR	WOOD	D	FAIR	WHITE	H117	1	2	Negative	0
944	10/12/2010 11:04	DOOR JAMB	WOOD	D	FAIR	WHITE	H117	1	2	Negative	0
945	10/12/2010 11:05	WALL	DRYWALL	A	FAIR	WHITE	H117	1	3	Negative	0
946	10/12/2010 11:05	WALL	DRYWALL	B	FAIR	WHITE	H117	1	3	Negative	0
947	10/12/2010 11:05	WALL	DRYWALL	C	FAIR	WHITE	H117	1	3	Negative	0
948	10/12/2010 11:05	WALL	DRYWALL	D	FAIR	WHITE	H117	1	3	Negative	0
949	10/12/2010 11:05	BASEBOARD	WOOD	A	FAIR	WHITE	H117	1	3	Negative	0
950	10/12/2010 11:06	DOOR CASING	WOOD	B	FAIR	WHITE	H117	1	3	Negative	0
951	10/12/2010 11:06	WALL	DRYWALL	A	FAIR	WHITE	H117	1	4	Negative	0
952	10/12/2010 11:06	WALL	DRYWALL	B	FAIR	WHITE	H117	1	4	Negative	0
953	10/12/2010 11:07	WALL	DRYWALL	C	FAIR	WHITE	H117	1	4	Negative	0
954	10/12/2010 11:07	WALL	DRYWALL	D	FAIR	WHITE	H117	1	4	Negative	0
955	10/12/2010 11:07	DOOR	WOOD	A	FAIR	WHITE	H117	1	4	Negative	0.01
956	10/12/2010 11:07	DOOR JAMB	WOOD	A	FAIR	WHITE	H117	1	4	Negative	0
957	10/12/2010 11:08	WINDOW STOOL	WOOD	C	FAIR	WHITE	H117	1	4	Negative	0
958	10/12/2010 11:08	WALL	DRYWALL	A	FAIR	WHITE	H117	1	5	Negative	0
959	10/12/2010 11:08	WALL	DRYWALL	B	FAIR	WHITE	H117	1	5	Negative	0
960	10/12/2010 11:08	WALL	DRYWALL	C	FAIR	WHITE	H117	1	5	Negative	0
961	10/12/2010 11:09	WALL	DRYWALL	D	FAIR	WHITE	H117	1	5	Negative	0
962	10/12/2010 11:09	CLOSET DOOR	WOOD	B	FAIR	WHITE	H117	1	5	Negative	0.4
963	10/12/2010 11:09	CLOSET SHELF	WOOD	B	FAIR	WHITE	H117	1	5	Negative	0
964	10/12/2010 11:09	DOOR	WOOD	B	FAIR	WHITE	H117	1	5	Negative	0
965	10/12/2010 11:09	DOOR JAMB	WOOD	B	FAIR	WHITE	H117	1	5	Negative	0
966	10/12/2010 11:10	WALL	DRYWALL	A	FAIR	WHITE	H117	1	6	Negative	0.04
967	10/12/2010 11:10	WALL	DRYWALL	B	FAIR	WHITE	H117	1	6	Negative	0.07
968	10/12/2010 11:10	WALL	DRYWALL	C	FAIR	WHITE	H117	1	6	Negative	0.03
969	10/12/2010 11:11	WALL	DRYWALL	D	FAIR	WHITE	H117	1	6	Negative	0.04
970	10/12/2010 11:11	DOOR	WOOD	C	FAIR	WHITE	H117	1	6	Negative	0
971	10/12/2010 11:11	DOOR JAMB	WOOD	C	FAIR	WHITE	H117	1	6	Negative	0.01
972	10/12/2010 11:11	WALL	DRYWALL	A	FAIR	WHITE	H117	1	7	Negative	0.01
973	10/12/2010 11:12	WALL	DRYWALL	B	FAIR	WHITE	H117	1	7	Negative	0.01
974	10/12/2010 11:12	WALL	DRYWALL	C	FAIR	WHITE	H117	1	7	Negative	0.01
975	10/12/2010 11:12	WALL	DRYWALL	D	FAIR	WHITE	H117	1	7	Negative	0.01
976	10/12/2010 11:12	DOOR	WOOD	C	FAIR	WHITE	H117	1	7	Negative	0
977	10/12/2010 11:12	DOOR JAMB	WOOD	C	FAIR	WHITE	H117	1	7	Negative	0
978	10/12/2010 11:16	WALL	DRYWALL	A	FAIR	WHITE	H117	1	7	Negative	0
979	10/12/2010 11:16	WALL	DRYWALL	B	FAIR	WHITE	K126	1	1	Negative	0
980	10/12/2010 11:16	WALL	DRYWALL	C	FAIR	WHITE	K126	1	1	Negative	0
981	10/12/2010 11:16	WALL	DRYWALL	D	FAIR	WHITE	K126	1	1	Negative	0.03

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	SITE	FLOOR	ROOM	Results	Pbc
982	10/12/2010 11:17	DOOR	WOOD	A	FAIR	WHITE	K126	1	1	Negative	0
983	10/12/2010 11:17	DOOR JAMB	WOOD	A	FAIR	WHITE	K126	1	1	Negative	0
984	10/12/2010 11:17	WALL	DRYWALL	A	FAIR	WHITE	K126	1	2	Negative	0
985	10/12/2010 11:17	WALL	DRYWALL	B	FAIR	WHITE	K126	1	2	Negative	0.02
986	10/12/2010 11:18	WALL	DRYWALL	C	FAIR	WHITE	K126	1	2	Negative	0.6
987	10/12/2010 11:18	CABINET	WOOD	A	FAIR	WHITE	K126	1	2	Negative	0
988	10/12/2010 11:18	DOOR	WOOD	B	FAIR	WHITE	K126	1	2	Negative	0
989	10/12/2010 11:18	DOOR JAMB	WOOD	B	FAIR	WHITE	K126	1	2	Negative	0
990	10/12/2010 11:19	WALL	DRYWALL	A	FAIR	WHITE	K126	1	3	Negative	0
991	10/12/2010 11:19	WALL	DRYWALL	B	FAIR	WHITE	K126	1	3	Negative	0.01
992	10/12/2010 11:19	WALL	DRYWALL	C	FAIR	WHITE	K126	1	3	Negative	0
993	10/12/2010 11:19	WALL	DRYWALL	D	FAIR	WHITE	K126	1	3	Negative	0
994	10/12/2010 11:19	WINDOW STOOL	WOOD	D	FAIR	WHITE	K126	1	3	Negative	0
995	10/12/2010 11:20	WALL	DRYWALL	A	FAIR	WHITE	K126	1	4	Negative	0
996	10/12/2010 11:20	WALL	DRYWALL	B	FAIR	WHITE	K126	1	4	Negative	0
997	10/12/2010 11:20	WALL	DRYWALL	C	FAIR	WHITE	K126	1	4	Negative	0
998	10/12/2010 11:21	WALL	DRYWALL	D	FAIR	WHITE	K126	1	4	Negative	0
999	10/12/2010 11:21	DOOR	WOOD	A	FAIR	WHITE	K126	1	4	Negative	0
1000	10/12/2010 11:21	DOOR JAMB	WOOD	A	FAIR	WHITE	K126	1	4	Negative	0
1001	10/12/2010 11:21	WALL	DRYWALL	A	FAIR	WHITE	K126	1	5	Negative	0
1002	10/12/2010 11:22	WALL	DRYWALL	B	FAIR	WHITE	K126	1	5	Negative	0
1003	10/12/2010 11:22	WALL	DRYWALL	C	FAIR	WHITE	K126	1	5	Negative	0
1004	10/12/2010 11:22	WALL	DRYWALL	D	FAIR	WHITE	K126	1	5	Negative	0
1005	10/12/2010 11:22	CLOSET DOOR	WOOD	D	FAIR	WHITE	K126	1	5	Negative	0
1006	10/12/2010 11:22	WINDOW STOOL	WOOD	C	FAIR	WHITE	K126	1	5	Negative	0.01
1007	10/12/2010 11:23	DOOR	WOOD	D	FAIR	WHITE	K126	1	5	Negative	0
1008	10/12/2010 11:23	DOOR JAMB	WOOD	D	FAIR	WHITE	K126	1	5	Negative	0
1009	10/12/2010 11:23	DOOR CASING	WOOD	D	FAIR	WHITE	K126	1	5	Negative	0
1010	10/12/2010 11:23	WALL	DRYWALL	A	FAIR	WHITE	K126	1	6	Negative	0.02
1011	10/12/2010 11:24	WALL	DRYWALL	B	FAIR	WHITE	K126	1	6	Negative	0.01
1012	10/12/2010 11:24	WALL	DRYWALL	C	FAIR	WHITE	K126	1	6	Negative	0.03
1013	10/12/2010 11:24	WALL	DRYWALL	D	FAIR	WHITE	K126	1	6	Negative	0
1014	10/12/2010 11:24	DOOR	WOOD	C	FAIR	WHITE	K126	1	6	Negative	0
1015	10/12/2010 11:24	DOOR JAMB	WOOD	C	FAIR	WHITE	K126	1	6	Negative	0
1016	10/12/2010 11:25	WALL	DRYWALL	A	FAIR	WHITE	K126	1	7	Negative	0
1017	10/12/2010 11:25	WALL	DRYWALL	B	FAIR	WHITE	K126	1	7	Negative	0.02
1018	10/12/2010 11:25	WALL	DRYWALL	C	FAIR	WHITE	K126	1	7	Negative	0.01
1019	10/12/2010 11:25	WALL	DRYWALL	D	FAIR	WHITE	K126	1	7	Negative	0
1020	10/12/2010 11:25	DOOR	WOOD	C	FAIR	WHITE	K126	1	7	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	SITE	FLOOR	ROOM	Results	PbC
1021	10/12/2010 11:26	DOOR JAMB	WOOD	C	FAIR	WHITE	K126	1	7	Negative	0
1022	10/12/2010 11:26	DOOR CASING	WOOD	C	FAIR	WHITE	K126	1	7	Negative	0
1023	10/12/2010 11:28	WALL	DRYWALL	B	FAIR	WHITE	K325	3	1	Negative	0
1024	10/12/2010 11:28	WALL	DRYWALL	C	FAIR	WHITE	K325	3	1	Negative	0
1025	10/12/2010 11:29	WALL	DRYWALL	D	FAIR	WHITE	K325	3	1	Negative	0.01
1026	10/12/2010 11:29	DOOR	WOOD	A	FAIR	WHITE	K325	3	1	Negative	0
1027	10/12/2010 11:29	DOOR CASING	WOOD	A	FAIR	WHITE	K325	3	1	Negative	0.01
1028	10/12/2010 11:29	DOOR JAMB	WOOD	A	FAIR	WHITE	K325	3	1	Negative	0
1029	10/12/2010 11:30	WALL	DRYWALL	A	FAIR	WHITE	K325	3	2	Negative	0.05
1030	10/12/2010 11:30	WALL	DRYWALL	B	FAIR	WHITE	K325	3	2	Negative	0.05
1031	10/12/2010 11:30	WALL	DRYWALL	C	FAIR	WHITE	K325	3	2	Negative	0.07
1032	10/12/2010 11:30	WALL	DRYWALL	D	FAIR	WHITE	K325	3	2	Negative	0.01
1033	10/12/2010 11:30	CABINET	WOOD	A	FAIR	WHITE	K325	3	2	Negative	0
1034	10/12/2010 11:31	WALL	DRYWALL	A	FAIR	WHITE	K325	3	3	Negative	0
1035	10/12/2010 11:31	WALL	DRYWALL	B	FAIR	WHITE	K325	3	3	Negative	0
1036	10/12/2010 11:31	WALL	DRYWALL	C	FAIR	WHITE	K325	3	3	Negative	0.01
1037	10/12/2010 11:31	WALL	DRYWALL	D	FAIR	WHITE	K325	3	3	Negative	0.01
1038	10/12/2010 11:32	DOOR JAMB	WOOD	C	FAIR	WHITE	K325	3	3	Negative	0
1039	10/12/2010 11:32	WALL	WOOD	A	FAIR	BEIGE	K325	3	PORCH	Negative	0.01
1040	10/12/2010 11:32	PORCH STRINGER	WOOD	D	FAIR	BEIGE	K325	3	PORCH	Negative	0.01
1041	10/12/2010 11:32	COLUMN	WOOD	D	FAIR	BEIGE	K325	3	PORCH	Negative	0
1042	10/12/2010 11:33	WALL	DRYWALL	A	FAIR	WHITE	K325	3	4	Negative	0.01
1043	10/12/2010 11:33	WALL	DRYWALL	B	FAIR	WHITE	K325	3	4	Negative	0
1044	10/12/2010 11:34	WALL	DRYWALL	C	FAIR	WHITE	K325	3	4	Negative	0.01
1045	10/12/2010 11:34	WALL	DRYWALL	D	FAIR	WHITE	K325	3	4	Negative	0.4
1046	10/12/2010 11:34	DOOR	WOOD	A	FAIR	WHITE	K325	3	4	Negative	0
1047	10/12/2010 11:34	DOOR JAMB	WOOD	A	FAIR	WHITE	K325	3	4	Negative	0
1048	10/12/2010 11:34	WINDOW STOOL	WOOD	C	FAIR	WHITE	K325	3	4	Negative	0
1049	10/12/2010 11:35	WALL	DRYWALL	A	FAIR	WHITE	K325	3	5	Negative	0.04
1050	10/12/2010 11:35	WALL	DRYWALL	B	FAIR	WHITE	K325	3	5	Negative	0.01
1051	10/12/2010 11:35	WALL	DRYWALL	C	FAIR	WHITE	K325	3	5	Negative	0.04
1052	10/12/2010 11:35	WALL	DRYWALL	D	FAIR	WHITE	K325	3	5	Negative	0.06
1053	10/12/2010 12:43			CALIBRATE						Negative	1
1054	10/12/2010 12:43			CALIBRATE						Positive	1
1055	10/12/2010 12:43			CALIBRATE						Positive	1.2
1056	10/12/2010 12:56	WALL	DRYWALL	B	FAIR	WHITE	P234	2	1	Positive	0
1057	10/12/2010 12:56	WALL	DRYWALL	C	FAIR	WHITE	P234	2	1	Negative	0
1058	10/12/2010 12:56	WALL	DRYWALL	D	FAIR	WHITE	P234	2	1	Negative	0
1059	10/12/2010 12:56	DOOR	WOOD	A	FAIR	WHITE	P234	2	1	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	SITE	FLOOR	ROOM	Results	PBC
1060	10/12/2010 12:57	DOOR JAMB	WOOD	A	FAIR	WHITE	P234	2	1	Negative	0
1061	10/12/2010 12:57	DOOR CASING	WOOD	A	FAIR	WHITE	P234	2	1	Negative	0
1062	10/12/2010 12:57	WALL	DRYWALL	A	FAIR	WHITE	P234	2	2	Negative	0
1063	10/12/2010 12:57	WALL	DRYWALL	B	FAIR	WHITE	P234	2	2	Negative	0.02
1064	10/12/2010 12:57	WALL	DRYWALL	C	FAIR	WHITE	P234	2	2	Negative	0
1065	10/12/2010 12:58	WALL	DRYWALL	D	FAIR	WHITE	P234	2	2	Negative	0
1066	10/12/2010 12:58	WALL	DRYWALL	D	FAIR	WHITE	P234	2	2	Negative	0
1067	10/12/2010 12:58	CABINET	WOOD	C	FAIR	WHITE	P234	2	2	Negative	0
1068	10/12/2010 12:58	WALL	DRYWALL	A	FAIR	WHITE	P234	2	3	Negative	0
1069	10/12/2010 12:58	WALL	DRYWALL	B	FAIR	WHITE	P234	2	3	Negative	0
1070	10/12/2010 12:59	WALL	DRYWALL	C	FAIR	WHITE	P234	2	3	Negative	0
1071	10/12/2010 12:59	WALL	DRYWALL	D	FAIR	WHITE	P234	2	3	Negative	0
1072	10/12/2010 12:59	DOOR JAMB	WOOD	C	FAIR	WHITE	P234	2	3	Negative	0
1073	10/12/2010 13:00	WALL	WOOD	A	FAIR	BEIGE	P234	2	PORCH	Negative	0.03
1074	10/12/2010 13:00	PORCH RAIL	WOOD	D	FAIR	GREEN	P234	2	PORCH	Negative	0.11
1075	10/12/2010 13:00	PORCH STRINGER	WOOD	D	FAIR	GREEN	P234	2	PORCH	Negative	0.01
1076	10/12/2010 13:01	WALL	DRYWALL	A	FAIR	WHITE	P234	2	4	Negative	0
1077	10/12/2010 13:01	WALL	DRYWALL	B	FAIR	WHITE	P234	2	4	Negative	0.02
1078	10/12/2010 13:01	WALL	DRYWALL	C	FAIR	WHITE	P234	2	4	Negative	0
1079	10/12/2010 13:02	WALL	DRYWALL	D	FAIR	WHITE	P234	2	4	Negative	0
1080	10/12/2010 13:02	WINDOW STOOL	WOOD	C	FAIR	WHITE	P234	2	4	Negative	0.01
1081	10/12/2010 13:02	CLOSET DOOR	WOOD	D	FAIR	WHITE	P234	2	4	Negative	0
1082	10/12/2010 13:02	DOOR	WOOD	A	FAIR	WHITE	P234	2	4	Negative	0
1083	10/12/2010 13:02	DOOR JAMB	WOOD	A	FAIR	WHITE	P234	2	4	Negative	0
1084	10/12/2010 13:03	WALL	DRYWALL	A	FAIR	WHITE	P234	2	5	Negative	0
1085	10/12/2010 13:03	WALL	DRYWALL	B	FAIR	WHITE	P234	2	5	Negative	0.01
1086	10/12/2010 13:03	WALL	DRYWALL	C	FAIR	WHITE	P234	2	5	Negative	0
1087	10/12/2010 13:03	WALL	DRYWALL	D	FAIR	WHITE	P234	2	5	Negative	0
1088	10/12/2010 13:03	DOOR	WOOD	C	FAIR	WHITE	P234	2	5	Negative	0
1089	10/12/2010 13:04	DOOR JAMB	WOOD	C	FAIR	WHITE	P234	2	5	Negative	0
1090	10/12/2010 13:04	CEILING	DRYWALL	C	FAIR	WHITE	P234	2	5	Negative	0
1091	10/12/2010 13:07	WALL	DRYWALL	A	FAIR	WHITE	P136	1	1	Negative	0.01
1092	10/12/2010 13:07	WALL	DRYWALL	B	FAIR	WHITE	P136	1	1	Negative	0.01
1093	10/12/2010 13:07	WALL	DRYWALL	C	FAIR	WHITE	P136	1	1	Negative	0
1094	10/12/2010 13:07	WALL	DRYWALL	D	FAIR	WHITE	P136	1	1	Negative	0.01
1095	10/12/2010 13:07	DOOR	WOOD	A	FAIR	WHITE	P136	1	1	Negative	0
1096	10/12/2010 13:07	DOOR JAMB	WOOD	A	FAIR	WHITE	P136	1	1	Negative	0
1097	10/12/2010 13:08	WALL	DRYWALL	A	FAIR	WHITE	P136	1	2	Negative	0
1098	10/12/2010 13:08	WALL	DRYWALL	B	FAIR	WHITE	P136	1	2	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	SITE	FLOOR	ROOM	Results	PbC
1099	10/12/2010 13:08	WALL	DRYWALL	C	FAIR	WHITE	P136	1	2	Negative	0
1100	10/12/2010 13:08	CABINET	WOOD	A	FAIR	WHITE	P136	1	2	Negative	0
1101	10/12/2010 13:09	DOOR	WOOD	B	FAIR	WHITE	P136	1	2	Negative	0
1102	10/12/2010 13:09	DOOR JAMB	WOOD	B	FAIR	WHITE	P136	1	2	Negative	0
1103	10/12/2010 13:09	WALL	DRYWALL	A	FAIR	WHITE	P136	1	3	Negative	0
1104	10/12/2010 13:09	WALL	DRYWALL	B	FAIR	WHITE	P136	1	3	Negative	0
1105	10/12/2010 13:09	WALL	DRYWALL	C	FAIR	WHITE	P136	1	3	Negative	0
1106	10/12/2010 13:10	WALL	DRYWALL	D	FAIR	WHITE	P136	1	3	Negative	0
1107	10/12/2010 13:10	DOOR CASING	WOOD	D	FAIR	WHITE	P136	1	3	Negative	0
1108	10/12/2010 13:10	WALL	DRYWALL	A	FAIR	WHITE	P136	1	4	Negative	0
1109	10/12/2010 13:11	WALL	DRYWALL	B	FAIR	WHITE	P136	1	4	Negative	0
1110	10/12/2010 13:11	WALL	DRYWALL	C	FAIR	WHITE	P136	1	4	Negative	0
1111	10/12/2010 13:11	WALL	DRYWALL	D	FAIR	WHITE	P136	1	4	Negative	0
1112	10/12/2010 13:11	DOOR	WOOD	A	FAIR	WHITE	P136	1	4	Negative	0
1113	10/12/2010 13:11	DOOR JAMB	WOOD	A	FAIR	WHITE	P136	1	4	Negative	0
1114	10/12/2010 13:12	WALL	DRYWALL	A	FAIR	WHITE	P136	1	5	Negative	0
1115	10/12/2010 13:12	WALL	DRYWALL	B	FAIR	WHITE	P136	1	5	Negative	0
1116	10/12/2010 13:12	WALL	DRYWALL	C	FAIR	WHITE	P136	1	5	Negative	0
1117	10/12/2010 13:12	WALL	DRYWALL	D	FAIR	WHITE	P136	1	5	Negative	0
1118	10/12/2010 13:13	WINDOW STOOL	WOOD	C	FAIR	WHITE	P136	1	5	Negative	0.5
1119	10/12/2010 13:13	WALL	DRYWALL	A	FAIR	WHITE	P136	1	6	Negative	0
1120	10/12/2010 13:13	WALL	DRYWALL	B	FAIR	WHITE	P136	1	6	Negative	0.01
1121	10/12/2010 13:13	WALL	DRYWALL	C	FAIR	WHITE	P136	1	6	Negative	0
1122	10/12/2010 13:14	WALL	DRYWALL	D	FAIR	WHITE	P136	1	6	Negative	0.01
1123	10/12/2010 13:14	DOOR	WOOD	C	FAIR	WHITE	P136	1	6	Negative	0
1124	10/12/2010 13:14	DOOR JAMB	WOOD	C	FAIR	WHITE	P136	1	6	Negative	0
1125	10/12/2010 13:14	WALL	DRYWALL	A	FAIR	WHITE	P136	1	7	Negative	0.02
1126	10/12/2010 13:14	WALL	DRYWALL	B	FAIR	WHITE	P136	1	7	Negative	0.01
1127	10/12/2010 13:15	WALL	DRYWALL	C	FAIR	WHITE	P136	1	7	Negative	0.05
1128	10/12/2010 13:15	WALL	DRYWALL	D	FAIR	WHITE	P136	1	7	Negative	0.03
1129	10/12/2010 13:15	DOOR	WOOD	C	FAIR	WHITE	P136	1	7	Negative	0
1130	10/12/2010 13:15	DOOR JAMB	WOOD	C	FAIR	WHITE	P136	1	7	Negative	0
1131	10/12/2010 13:15	CEILING	DRYWALL	C	FAIR	WHITE	P136	1	7	Negative	0
1132	10/12/2010 13:19	WALL	DRYWALL	A	FAIR	WHITE	M327	3	1	Negative	0
1133	10/12/2010 13:19	WALL	DRYWALL	B	FAIR	WHITE	M327	3	1	Negative	0.04
1134	10/12/2010 13:19	WALL	DRYWALL	C	FAIR	WHITE	M327	3	1	Negative	0.02
1135	10/12/2010 13:19	WALL	DRYWALL	D	FAIR	WHITE	M327	3	1	Negative	0.01
1136	10/12/2010 13:19	DOOR	WOOD	A	FAIR	WHITE	M327	3	1	Negative	0
1137	10/12/2010 13:19	DOOR JAMB	WOOD	A	FAIR	WHITE	M327	3	1	Negative	0.02

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	SITE	FLOOR	ROOM	Results	PBC
1138	10/12/2010 13:19	DOOR CASING	WOOD	A	FAIR	WHITE	M327	3	1	Negative	0
1139	10/12/2010 13:20	WALL	DRYWALL	A	FAIR	WHITE	M327	3	2	Negative	0
1140	10/12/2010 13:20	WALL	DRYWALL	B	FAIR	WHITE	M327	3	2	Negative	0.03
1141	10/12/2010 13:20	WALL	DRYWALL	C	FAIR	WHITE	M327	3	2	Negative	0
1142	10/12/2010 13:20	WALL	DRYWALL	D	FAIR	WHITE	M327	3	2	Negative	0.01
1143	10/12/2010 13:21	CABINET	WOOD	A	FAIR	WHITE	M327	3	2	Negative	0
1144	10/12/2010 13:21	DOOR	WOOD	D	FAIR	WHITE	M327	3	2	Negative	0.01
1145	10/12/2010 13:21	DOOR JAMB	WOOD	D	FAIR	WHITE	M327	3	2	Negative	0
1146	10/12/2010 13:21	WALL	DRYWALL	A	FAIR	WHITE	M327	3	3	Negative	0
1147	10/12/2010 13:22	WALL	DRYWALL	B	FAIR	WHITE	M327	3	3	Negative	0
1148	10/12/2010 13:22	WALL	DRYWALL	C	FAIR	WHITE	M327	3	3	Negative	0.01
1149	10/12/2010 13:22	WALL	DRYWALL	D	FAIR	WHITE	M327	3	3	Negative	0
1150	10/12/2010 13:22	DOOR JAMB	WOOD	B	FAIR	WHITE	M327	3	3	Negative	0.03
1151	10/12/2010 13:23	WALL	DRYWALL	A	FAIR	WHITE	M327	3	4	Negative	0
1152	10/12/2010 13:23	WALL	DRYWALL	B	FAIR	WHITE	M327	3	4	Negative	0.02
1153	10/12/2010 13:23	WALL	DRYWALL	C	FAIR	WHITE	M327	3	4	Negative	0
1154	10/12/2010 13:23	WALL	DRYWALL	D	FAIR	WHITE	M327	3	4	Negative	0
1155	10/12/2010 13:24	DOOR	WOOD	A	FAIR	WHITE	M327	3	4	Negative	0
1156	10/12/2010 13:24	DOOR JAMB	WOOD	A	FAIR	WHITE	M327	3	4	Negative	0
1157	10/12/2010 13:24	WINDOW STOOL	WOOD	C	FAIR	WHITE	M327	3	4	Negative	0.01
1158	10/12/2010 13:24	WALL	DRYWALL	A	FAIR	WHITE	M327	3	5	Negative	0.01
1159	10/12/2010 13:25	WALL	DRYWALL	B	FAIR	WHITE	M327	3	5	Negative	0
1160	10/12/2010 13:25	WALL	DRYWALL	C	FAIR	WHITE	M327	3	5	Negative	0
1161	10/12/2010 13:25	WALL	DRYWALL	D	FAIR	WHITE	M327	3	5	Negative	0
1162	10/12/2010 13:25	DOOR	WOOD	B	FAIR	WHITE	M327	3	5	Negative	0
1163	10/12/2010 13:25	DOOR JAMB	WOOD	B	FAIR	WHITE	M327	3	5	Negative	0
1164	10/12/2010 13:25	WINDOW STOOL	WOOD	C	FAIR	WHITE	M327	3	5	Negative	0
1165	10/12/2010 13:26	CLOSET DOOR	WOOD	B	FAIR	WHITE	M327	3	5	Negative	0
1166	10/12/2010 13:26	WALL	DRYWALL	A	FAIR	WHITE	M327	3	6	Negative	0.07
1167	10/12/2010 13:26	WALL	DRYWALL	B	FAIR	WHITE	M327	3	6	Negative	0.04
1168	10/12/2010 13:26	WALL	DRYWALL	C	FAIR	WHITE	M327	3	6	Negative	0.01
1169	10/12/2010 13:26	WALL	DRYWALL	D	FAIR	WHITE	M327	3	6	Negative	0.04
1170	10/12/2010 13:27	DOOR	WOOD	C	FAIR	WHITE	M327	3	6	Negative	0
1171	10/12/2010 13:27	DOOR JAMB	WOOD	C	FAIR	WHITE	M327	3	6	Negative	0
1172	10/12/2010 13:27	CABINET	WOOD	A	FAIR	WHITE	M327	3	6	Negative	0
1173	10/12/2010 13:27	WALL	DRYWALL	A	FAIR	WHITE	M327	3	7	Negative	0.02
1174	10/12/2010 13:28	WALL	DRYWALL	B	FAIR	WHITE	M327	3	7	Negative	0.5
1175	10/12/2010 13:28	WALL	DRYWALL	C	FAIR	WHITE	M327	3	7	Negative	0.03
1176	10/12/2010 13:28	WALL	DRYWALL	D	FAIR	WHITE	M327	3	7	Negative	0.04

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	SITE	FLOOR	ROOM	Results	PbC
1177	10/12/2010 13:28	DOOR	WOOD	C	FAIR	WHITE	M327	3	7	Negative	0
1178	10/12/2010 13:28	DOOR JAMB	WOOD	C	FAIR	WHITE	M327	3	7	Negative	0
1179	10/12/2010 13:43	WALL	DRYWALL	B	FAIR	WHITE	M129	1	1	Negative	0
1180	10/12/2010 13:43	WALL	DRYWALL	C	FAIR	WHITE	M129	1	1	Negative	0
1181	10/12/2010 13:43	WALL	DRYWALL	D	FAIR	WHITE	M129	1	1	Negative	0.01
1182	10/12/2010 13:43	DOOR	WOOD	A	FAIR	WHITE	M129	1	1	Negative	0
1183	10/12/2010 13:44	DOOR JAMB	WOOD	A	FAIR	WHITE	M129	1	1	Negative	0
1184	10/12/2010 13:44	DOOR CASING	WOOD	A	FAIR	WHITE	M129	1	1	Negative	0
1185	10/12/2010 13:44	WALL	DRYWALL	A	FAIR	WHITE	M129	1	2	Negative	0.01
1186	10/12/2010 13:44	WALL	DRYWALL	B	FAIR	WHITE	M129	1	2	Negative	0.03
1187	10/12/2010 13:44	WALL	DRYWALL	C	FAIR	WHITE	M129	1	2	Negative	0
1188	10/12/2010 13:45	WALL	DRYWALL	D	FAIR	WHITE	M129	1	2	Negative	0.8
1189	10/12/2010 13:45	CABINET	WOOD	A	FAIR	WHITE	M129	1	2	Negative	0
1190	10/12/2010 13:45	WALL	DRYWALL	A	FAIR	WHITE	M129	1	2	Negative	0
1191	10/12/2010 13:45	WALL	DRYWALL	B	FAIR	WHITE	M129	1	2	Negative	0
1192	10/12/2010 13:45	WALL	DRYWALL	C	FAIR	WHITE	M129	1	2	Negative	0
1193	10/12/2010 13:46	WALL	DRYWALL	D	FAIR	WHITE	M129	1	2	Negative	0
1194	10/12/2010 13:46	WINDOW STOOL	WOOD	C	FAIR	WHITE	M129	1	2	Negative	0.01
1195	10/12/2010 13:46	BASEBOARD	WOOD	B	FAIR	WHITE	M129	1	2	Negative	0
1196	10/12/2010 13:47	WALL	DRYWALL	A	FAIR	WHITE	M129	1	2	Negative	0.01
1197	10/12/2010 13:47	WALL	DRYWALL	B	FAIR	WHITE	M129	1	3	Negative	0
1198	10/12/2010 13:47	WALL	DRYWALL	C	FAIR	WHITE	M129	1	3	Negative	0
1199	10/12/2010 13:47	WALL	DRYWALL	D	FAIR	WHITE	M129	1	3	Negative	0.01
1200	10/12/2010 13:47	DOOR	WOOD	A	FAIR	WHITE	M129	1	3	Negative	0
1201	10/12/2010 13:48	DOOR JAMB	WOOD	A	FAIR	WHITE	M129	1	3	Negative	0
1202	10/12/2010 13:48	WINDOW STOOL	WOOD	C	FAIR	WHITE	M129	1	3	Negative	0
1203	10/12/2010 13:48	CLOSET DOOR	WOOD	D	FAIR	WHITE	M129	1	3	Negative	0
1204	10/12/2010 13:48	WALL	DRYWALL	A	FAIR	WHITE	M129	1	3	Negative	0.01
1205	10/12/2010 13:49	WALL	DRYWALL	B	FAIR	WHITE	M129	1	4	Negative	0.04
1206	10/12/2010 13:49	WALL	DRYWALL	C	FAIR	WHITE	M129	1	4	Negative	0.04
1207	10/12/2010 13:49	WALL	DRYWALL	D	FAIR	WHITE	M129	1	4	Negative	0.03
1208	10/12/2010 13:49	DOOR	WOOD	C	FAIR	WHITE	M129	1	4	Negative	0.12
1209	10/12/2010 13:49	DOOR JAMB	WOOD	C	FAIR	WHITE	M129	1	4	Negative	0
1210	10/12/2010 13:49	CEILING	DRYWALL	C	FAIR	WHITE	M129	1	4	Negative	0
1211	10/12/2010 13:54	RAIL	METAL	A	FAIR	YELLOW	PLAYGROUND	1	EXTERIOR	Negative	0
1212	10/12/2010 13:54	POST	METAL	A	FAIR	GREEN	PLAYGROUND	1	EXTERIOR	Negative	0
1213	10/12/2010 13:54	STEPS	METAL	A	FAIR	BLACK	PLAYGROUND	1	EXTERIOR	Negative	0.07
1214	10/12/2010 13:55	SLIDE	PLASTIC	A	FAIR	RED	PLAYGROUND	1	EXTERIOR	Negative	0.6
1215	10/12/2010 14:05	WALL	WOOD	A	FAIR	BEIGE	POOL STORAGE	1	EXTERIOR	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	SITE	FLOOR	ROOM	Results	PBC
1216	10/12/2010 14:05	WALL	WOOD	B	FAIR	BEIGE	POOL STORAGE	1	EXTERIOR	Negative	0
1217	10/12/2010 14:05	WALL	WOOD	C	FAIR	BEIGE	POOL STORAGE	1	EXTERIOR	Negative	0
1218	10/12/2010 14:05	TRIM	WOOD	C	FAIR	GREEN	POOL STORAGE	1	EXTERIOR	Negative	0
1219	10/12/2010 14:06	WALL	WOOD	D	FAIR	BEIGE	POOL STORAGE	1	EXTERIOR	Negative	0
1220	10/12/2010 14:06	DOOR	METAL	D	FAIR	GREEN	POOL STORAGE	1	EXTERIOR	Negative	0
1221	10/12/2010 14:07	POOL FLOOR	CONCRETE	D	FAIR	BEIGE	POOL	1	EXTERIOR	Negative	0.01
1222	10/12/2010 14:08	GATE	METAL	D	FAIR	BLACK	POOL	1	EXTERIOR	Negative	0
1223	10/12/2010 14:36	WALL	DRYWALL	A	FAIR	WHITE	G BUILDING	1	STAIR	Negative	0
1224	10/12/2010 14:36	WALL	WOOD	B	FAIR	WHITE	G BUILDING	1	STAIR	Negative	0.01
1225	10/12/2010 14:37	WALL	DRYWALL	C	FAIR	WHITE	G BUILDING	1	STAIR	Negative	0.04
1226	10/12/2010 14:37	WALL	DRYWALL	D	FAIR	WHITE	G BUILDING	1	STAIR	Negative	0
1227	10/12/2010 14:37	STAIR RAIL	WOOD	C	FAIR	GREEN	G BUILDING	1	STAIR	Negative	0
1228	10/12/2010 14:37	PIPE	METAL	D	FAIR	WHITE	G BUILDING	1	STAIR	Negative	0.07
1229	10/12/2010 14:38	DOOR	WOOD	A	FAIR	GREEN	G BUILDING	1	STAIR	Negative	0
1230	10/12/2010 14:38	DOOR CASING	WOOD	A	FAIR	GREEN	G BUILDING	1	STAIR	Negative	0
1231	10/12/2010 14:39	WALL	DRYWALL	A	FAIR	WHITE	G BUILDING	1	STAIR	Negative	0
1232	10/12/2010 14:39	WALL	DRYWALL	B	FAIR	WHITE	G BUILDING	2	LAUNDRY	Negative	0.03
1233	10/12/2010 14:39	WALL	DRYWALL	C	FAIR	WHITE	G BUILDING	2	LAUNDRY	Negative	0
1234	10/12/2010 14:40	WALL	DRYWALL	D	FAIR	WHITE	G BUILDING	2	LAUNDRY	Negative	0
1235	10/12/2010 14:40	DOOR	WOOD	A	FAIR	GREEN	G BUILDING	2	LAUNDRY	Negative	0.01
1236	10/12/2010 14:40	DOOR JAMB	WOOD	A	FAIR	GREEN	G BUILDING	2	LAUNDRY	Negative	0
1237	10/12/2010 14:40	WINDOW STOOL	WOOD	C	FAIR	WHITE	G BUILDING	2	LAUNDRY	Negative	0
1238	10/12/2010 14:41	SHELF	WOOD	B	FAIR	WHITE	G BUILDING	2	LAUNDRY	Negative	0
1239	10/12/2010 14:41	WALL	DRYWALL	A	FAIR	WHITE	G BUILDING	2	HALL	Negative	0
1240	10/12/2010 14:41	WALL	DRYWALL	B	FAIR	WHITE	G BUILDING	2	HALL	Negative	0
1241	10/12/2010 14:42	WALL	DRYWALL	C	FAIR	WHITE	G BUILDING	2	HALL	Negative	0.01
1242	10/12/2010 14:42	WALL	DRYWALL	D	FAIR	WHITE	G BUILDING	2	HALL	Negative	0
1243	10/12/2010 14:42	WINDOW STOOL	WOOD	A	FAIR	GREEN	G BUILDING	2	HALL	Negative	0.05
1244	10/12/2010 14:45	WALL	DRYWALL	A	FAIR	WHITE	E BUILDING	2	STAIR	Negative	0.01
1245	10/12/2010 14:45	WALL	WOOD	B	FAIR	WHITE	E BUILDING	2	STAIR	Negative	0.04
1246	10/12/2010 14:45	WALL	DRYWALL	C	FAIR	WHITE	E BUILDING	2	STAIR	Negative	0.01
1247	10/12/2010 14:45	WALL	DRYWALL	D	FAIR	WHITE	E BUILDING	2	STAIR	Negative	0
1248	10/12/2010 14:46	STAIR RAIL	WOOD	C	FAIR	GREEN	E BUILDING	2	STAIR	Negative	0
1249	10/12/2010 14:46	DOOR	WOOD	A	FAIR	GREEN	E BUILDING	2	STAIR	Negative	0
1250	10/12/2010 14:46	DOOR CASING	WOOD	A	FAIR	GREEN	E BUILDING	2	STAIR	Negative	0
1251	10/12/2010 14:47	WALL	DRYWALL	A	FAIR	WHITE	E BUILDING	2	STAIR	Negative	0
1252	10/12/2010 14:47	WALL	DRYWALL	B	FAIR	WHITE	E BUILDING	2	LAUNDRY	Negative	0.01
1253	10/12/2010 14:48	WALL	DRYWALL	C	FAIR	WHITE	E BUILDING	2	LAUNDRY	Negative	0.01
1254	10/12/2010 14:48	WALL	DRYWALL	D	FAIR	WHITE	E BUILDING	2	LAUNDRY	Negative	0
										Negative	0.04

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	SITE	FLOOR	ROOM	Results	Pbc
1255	10/12/2010 14:48	WINDOW CASING	WOOD	D	FAIR	WHITE	E BUILDING	2	LAUNDRY	Negative	0.01
1256	10/12/2010 14:48	DOOR	WOOD	A	FAIR	GREEN	E BUILDING	2	LAUNDRY	Negative	0
1257	10/12/2010 14:48	DOOR JAMB	WOOD	A	FAIR	GREEN	E BUILDING	2	LAUNDRY	Negative	0
1258	10/12/2010 14:49	DOOR CASING	WOOD	A	FAIR	GREEN	E BUILDING	2	LAUNDRY	Negative	0
1259	10/12/2010 14:51	WALL	DRYWALL	A	FAIR	WHITE	C BUILDING	1	STAIR	Negative	0
1260	10/12/2010 14:51	WALL	WOOD	B	FAIR	WHITE	C BUILDING	1	STAIR	Negative	0.5
1261	10/12/2010 14:52	WALL	DRYWALL	C	FAIR	WHITE	C BUILDING	1	STAIR	Negative	0
1262	10/12/2010 14:52	WALL	DRYWALL	D	FAIR	WHITE	C BUILDING	1	STAIR	Negative	0
1263	10/12/2010 14:52	STAIR RAIL	WOOD	C	FAIR	GREEN	C BUILDING	1	STAIR	Negative	0.01
1264	10/12/2010 14:52	DOOR	WOOD	A	FAIR	GREEN	C BUILDING	1	STAIR	Negative	0.01
1265	10/12/2010 14:52	DOOR CASING	WOOD	A	FAIR	GREEN	C BUILDING	1	STAIR	Negative	0
1266	10/12/2010 14:56	WALL	DRYWALL	A	FAIR	WHITE	C BUILDING	2	HALL	Negative	0.03
1267	10/12/2010 14:56	WALL	DRYWALL	B	FAIR	WHITE	C BUILDING	2	HALL	Negative	0.01
1268	10/12/2010 14:56	WALL	DRYWALL	C	FAIR	WHITE	C BUILDING	2	HALL	Negative	0
1269	10/12/2010 14:56	WALL	DRYWALL	D	FAIR	WHITE	C BUILDING	2	HALL	Negative	0
1270	10/12/2010 14:56	BASEBOARD	WOOD	A	FAIR	WHITE	C BUILDING	2	HALL	Negative	0
1271	10/12/2010 14:57	WINDOW STOOL	WOOD	A	FAIR	GREEN	C BUILDING	2	HALL	Negative	0.01
1272	10/12/2010 14:58	WALL	DRYWALL	A	FAIR	WHITE	C BUILDING	2	LAUNDRY	Negative	0
1273	10/12/2010 14:58	WALL	DRYWALL	B	FAIR	WHITE	C BUILDING	2	LAUNDRY	Negative	0.01
1274	10/12/2010 14:58	WALL	DRYWALL	C	FAIR	WHITE	C BUILDING	2	LAUNDRY	Negative	0
1275	10/12/2010 14:59	WALL	DRYWALL	D	FAIR	WHITE	C BUILDING	2	LAUNDRY	Negative	0.02
1276	10/12/2010 15:00	VENT	WOOD	D	FAIR	WHITE	C BUILDING	2	LAUNDRY	Negative	0
1277	10/12/2010 15:00	DOOR	WOOD	A	FAIR	GREEN	C BUILDING	2	LAUNDRY	Negative	0
1278	10/12/2010 15:00	DOOR CASING	WOOD	A	FAIR	GREEN	C BUILDING	2	LAUNDRY	Negative	0
1279	10/12/2010 15:00	DOOR JAMB	WOOD	A	FAIR	GREEN	C BUILDING	2	LAUNDRY	Negative	0
1280	10/12/2010 15:05	WALL	DRYWALL	A	FAIR	WHITE	A BUILDING	1	STAIR	Negative	0
1281	10/12/2010 15:05	WALL	WOOD	B	FAIR	WHITE	A BUILDING	1	STAIR	Negative	0.01
1282	10/12/2010 15:05	WALL	DRYWALL	C	FAIR	WHITE	A BUILDING	1	STAIR	Negative	0
1283	10/12/2010 15:06	WALL	DRYWALL	D	FAIR	WHITE	A BUILDING	1	STAIR	Negative	0.01
1284	10/12/2010 15:06	STAIR RAIL	WOOD	C	FAIR	GREEN	A BUILDING	1	STAIR	Negative	0.02
1285	10/12/2010 15:06	DOOR	WOOD	A	FAIR	GREEN	A BUILDING	1	STAIR	Negative	0.04
1286	10/12/2010 15:06	DOOR CASING	WOOD	A	FAIR	GREEN	A BUILDING	1	STAIR	Negative	0.01
1287	10/12/2010 15:07	WALL	DRYWALL	A	FAIR	WHITE	A BUILDING	2	LAUNDRY	Negative	0.03
1288	10/12/2010 15:07	WALL	DRYWALL	B	FAIR	WHITE	A BUILDING	2	LAUNDRY	Negative	0.01
1289	10/12/2010 15:08	WALL	DRYWALL	C	FAIR	WHITE	A BUILDING	2	LAUNDRY	Negative	0.5
1290	10/12/2010 15:08	WALL	DRYWALL	D	FAIR	WHITE	A BUILDING	2	LAUNDRY	Negative	0
1291	10/12/2010 15:08	DOOR	WOOD	A	FAIR	GREEN	A BUILDING	2	LAUNDRY	Negative	0
1292	10/12/2010 15:08	DOOR JAMB	WOOD	A	FAIR	GREEN	A BUILDING	2	LAUNDRY	Negative	0
1293	10/12/2010 15:08	DOOR CASING	WOOD	A	FAIR	GREEN	A BUILDING	2	LAUNDRY	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	SITE	FLOOR	ROOM	Results	PbC
1294	10/12/2010 15:08	DOOR	WOOD	C	FAIR	WHITE	A BUILDING	2	LAUNDRY	Negative	0
1295	10/12/2010 15:09	DOOR CASING	WOOD	C	FAIR	WHITE	A BUILDING	2	LAUNDRY	Negative	0
1296	10/12/2010 15:14	WALL	DRYWALL	A	FAIR	WHITE	B BUILDING	2	LAUNDRY	Negative	0.03
1297	10/12/2010 15:14	WALL	DRYWALL	B	FAIR	WHITE	B BUILDING	2	LAUNDRY	Negative	0.02
1298	10/12/2010 15:15	WALL	DRYWALL	C	FAIR	WHITE	B BUILDING	2	LAUNDRY	Negative	0
1299	10/12/2010 15:15	WALL	DRYWALL	D	FAIR	WHITE	B BUILDING	2	LAUNDRY	Negative	0.07
1300	10/12/2010 15:15	DOOR	WOOD	A	FAIR	GREEN	B BUILDING	2	LAUNDRY	Negative	0.02
1301	10/12/2010 15:15	DOOR JAMB	WOOD	A	FAIR	GREEN	B BUILDING	2	LAUNDRY	Negative	0
1302	10/12/2010 15:15	DOOR CASING	WOOD	A	FAIR	GREEN	B BUILDING	2	LAUNDRY	Negative	0.01
1303	10/12/2010 15:15	DOOR	WOOD	C	FAIR	WHITE	B BUILDING	2	LAUNDRY	Negative	0
1304	10/12/2010 15:16	DOOR CASING	WOOD	C	FAIR	WHITE	B BUILDING	2	LAUNDRY	Negative	0
1305	10/12/2010 15:19			CALIBRATE						Negative	1.2
1306	10/12/2010 15:19			CALIBRATE						Positive	1
1307	10/12/2010 15:19			CALIBRATE						Positive	1.1

NVL Laboratories, Inc.

4708 Aurora Ave. N., Seattle, WA 98103
 Tel: 206.547.0100, Fax: 206.634.1936
 1.888.NVLLABS(685.5227), www.nvllabs.com

**Calibration Check
 Test Results**



Date: Oct 12, 2010

Client: King County Housing Authority

Project Location: "Cascadian Apartment" 15517 NE. 12th Street

NVL Project #: 2010-636

Device: Niton XL 309 Spectrum Analyzer

XRF Serial #: 17840NR939

Inspected by: Tanveer Khan

Inspector Signature: Tanveer Khan

Certification #: 6110

Expiration Date: Jan 13, 2013

NIST SRM Used 1.04 mg/cm²

Calibration Check Tolerance Used

+/- 0.06 mg/cm²

First Calibration Check

NIST SRM			Average
First Reading	Second Reading	Third Reading	
0.9	0.9	1.2	1

Second Calibration Check

NIST SRM			Average
First Reading	Second Reading	Third Reading	
1	1	1.2	1.07

Third Calibration Check (if required)

			Average
First Reading	Second Reading	Third Reading	
1	0.9	1.1	1

Fourth Calibration Check (if required)

NIST SRM			Average
First Reading	Second Reading	Third Reading	

NITON
 Serial # XLP 300A - 17840NR9395
 PAINT

Inspected by: Tanveer Khan; WA / DOC Lead-Based Paint Inspector Certification # 6110 (Expires on; January 13, 2013)
 Site: "Cascadian Apartments" - 15517 NE. 12th Street, Bellevue, WA 98007
 Date: 10/12/2010 9:30 am

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	BUILDING	FLOOR	ROOM	Results	PbC
1	10/12/2010 9:32			SHUTTER CAL						Negative	2.13
2	10/12/2010 9:48			CALIBRATE						Negative	0.9
3	10/12/2010 9:48			CALIBRATE						Negative	0.9
4	10/12/2010 9:49			CALIBRATE						Positive	1.2
5	10/12/2010 10:08	WALL	DRYWALL	A	FAIR	WHITE	D	1	HALLWAY	Negative	0
6	10/12/2010 10:09	WALL	DRYWALL	B	FAIR	WHITE	D	1	HALLWAY	Negative	0
7	10/12/2010 10:09	WALL	DRYWALL	C	FAIR	WHITE	D	1	HALLWAY	Negative	0.01
8	10/12/2010 10:09	WALL	DRYWALL	D	FAIR	WHITE	D	1	HALLWAY	Negative	0
9	10/12/2010 10:09	WALL	CONCRETE	A	FAIR	WHITE	D	1	HALLWAY	Negative	0.02
10	10/12/2010 10:10	BASEBOARD	WOOD	A	FAIR	WHITE	D	1	HALLWAY	Negative	0
11	10/12/2010 10:10	DOOR	WOOD	A	FAIR	GREEN	D	1	HALLWAY	Negative	0.04
12	10/12/2010 10:11	DOOR CASING	WOOD	A	FAIR	GREEN	D	1	HALLWAY	Negative	0.01
13	10/12/2010 10:11	DOOR JAMB	WOOD	A	FAIR	GREEN	D	1	HALLWAY	Negative	0
14	10/12/2010 10:14	WINDOW CASING	WOOD	A	FAIR	GREEN	D	1	HALLWAY	Negative	0.01
15	10/12/2010 10:15	WINDOW SILL	WOOD	A	FAIR	GREEN	D	1	HALLWAY	Negative	0
16	10/12/2010 10:15	WALL	DRYWALL	A	FAIR	WHITE	D	1	STAIRWAY	Negative	0
17	10/12/2010 10:16	WALL	DRYWALL	B	FAIR	WHITE	D	1	STAIRWAY	Negative	0.03
18	10/12/2010 10:16	WALL	DRYWALL	C	FAIR	WHITE	D	1	STAIRWAY	Negative	0
19	10/12/2010 10:16	SIDING	WOOD	D	FAIR	WHITE	D	1	STAIRWAY	Negative	0.01
20	10/12/2010 10:17	CEILING	DRYWALL		FAIR	WHITE	D	1	STAIRWAY	Negative	0.01
21	10/12/2010 10:17	BASEBOARD	WOOD	C	FAIR	WHITE	D	1	STAIRWAY	Negative	0
22	10/12/2010 10:17	STAIR RAIL	WOOD		FAIR	GREEN	D	1	STAIRWAY	Negative	0.01
23	10/12/2010 10:18	STAIR BALUSTERS	WOOD		FAIR	GREEN	D	1	STAIRWAY	Negative	0
24	10/12/2010 10:18	DOOR	WOOD	A	FAIR	BEIGE	D	1	STAIRWAY	Negative	0
25	10/12/2010 10:19	DOOR CASING	WOOD	A	FAIR	WHITE	D	1	STAIRWAY	Negative	0
26	10/12/2010 10:21	WALL	DRYWALL	A	FAIR	WHITE	D	1	STAIRWAY	Negative	0
27	10/12/2010 10:21	WALL	DRYWALL	B	FAIR	WHITE	D	2	LAUNDRY	Negative	0
28	10/12/2010 10:21	WALL	DRYWALL	C	FAIR	WHITE	D	2	LAUNDRY	Negative	0.01
29	10/12/2010 10:22	WALL	DRYWALL	D	FAIR	WHITE	D	2	LAUNDRY	Negative	0.04
30	10/12/2010 10:22	CEILING	DRYWALL		FAIR	WHITE	D	2	LAUNDRY	Negative	0.01

Reading No	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	BUILDING	ROOM	Results	PbC
29	10/12/2010 10:22	WALL	DRYWALL	D	FAIR	WHITE	D	LAUNDRY	Negative	0.01
30	10/12/2010 10:22	CEILING	DRYWALL		FAIR	WHITE	D	LAUNDRY	Negative	0
31	10/12/2010 10:23	COUNTER	WOOD	D	FAIR	WHITE	D	LAUNDRY	Negative	0.01
32	10/12/2010 10:23	WINDOW CASING	WOOD	B	FAIR	WHITE	D	LAUNDRY	Negative	0
33	10/12/2010 10:23	DOOR	WOOD	C	FAIR	WHITE	D	LAUNDRY	Negative	0
34	10/12/2010 10:24	DOOR CASING	WOOD	C	FAIR	WHITE	D	LAUNDRY	Negative	0
35	10/12/2010 10:24	DOOR CASING	WOOD	A	FAIR	GREEN	D	LAUNDRY	Negative	0
36	10/12/2010 10:24	DOOR	WOOD	A	FAIR	GREEN	D	LAUNDRY	Negative	0
37	10/12/2010 10:25	DOOR JAMB	WOOD	A	FAIR	GREEN	D	LAUNDRY	Negative	0
38	10/12/2010 10:26	SIDING	WOOD	B	FAIR	WHITE	D	EXTERIOR	Negative	0
39	10/12/2010 10:27	WINDOW CASING	WOOD	B	FAIR	WHITE	D	EXTERIOR	Negative	0
40	10/12/2010 10:27	CORNER TRIM	WOOD	B	FAIR	GREEN	D	EXTERIOR	Negative	0.01
41	10/12/2010 10:28	DOOR	WOOD	B	FAIR	BEIGE	D	EXTERIOR	Negative	0
42	10/12/2010 10:28	DOOR CASING	WOOD	B	FAIR	WHITE	D	EXTERIOR	Negative	0.01
43	10/12/2010 10:28	DOOR JAMB	WOOD	B	FAIR	WHITE	D	EXTERIOR	Negative	0
44	10/12/2010 10:29	DOOR THRESHOLD	WOOD	B	POOR	GREEN	D	EXTERIOR	Negative	0
45	10/12/2010 10:29	STAIR RAIL	WOOD	B	FAIR	GREEN	D	EXTERIOR	Negative	0
46	10/12/2010 10:30	STAIR BALUSTER	WOOD	B	FAIR	GREEN	D	EXTERIOR	Negative	0
47	10/12/2010 10:30	TRIM	WOOD	B	FAIR	GREEN	D	EXTERIOR	Negative	0.01
48	10/12/2010 10:31	FLOOR STRIP	CONCRETE	B	POOR	WHITE	D	EXTERIOR	Negative	0
49	10/12/2010 10:32	SIDING	WOOD	C	FAIR	WHITE	D	EXTERIOR	Negative	0
50	10/12/2010 10:34	SIDING	WOOD	D	FAIR	WHITE	D	EXTERIOR	Negative	0
51	10/12/2010 10:38	SIDING	WOOD	A	FAIR	WHITE	D	EXTERIOR	Negative	0
52	10/12/2010 10:38	RAILING	WOOD	A	FAIR	WHITE	D	EXTERIOR	Negative	0.04
53	10/12/2010 10:39	RAILING BALUSTER	WOOD	A	FAIR	WHITE	D	EXTERIOR	Negative	0
54	10/12/2010 10:40	COLUMN	WOOD	A	FAIR	GREEN	D	EXTERIOR	Negative	0
55	10/12/2010 10:40	FASCIA	WOOD	A	FAIR	GREEN	D	CARPOT	Negative	0
56	10/12/2010 10:41	BEAM	WOOD	A	FAIR	WHITE	D	CARPOT	Negative	0.01
57	10/12/2010 10:41	SOFFIT	WOOD	A	FAIR	WHITE	D	CARPOT	Negative	0.01
58	10/12/2010 10:42	FLOOR STRIP	ASPHALT		POOR	WHITE	D	CARPOT	Negative	0
59	10/12/2010 10:52	WALL	DRYWALL	A	FAIR	WHITE	F	HALLWAY	Negative	0
60	10/12/2010 10:52	WALL	DRYWALL	B	FAIR	WHITE	F	HALLWAY	Negative	0
61	10/12/2010 10:52	WALL	DRYWALL	C	FAIR	WHITE	F	HALLWAY	Negative	0
62	10/12/2010 10:52	WALL	DRYWALL	D	FAIR	WHITE	F	HALLWAY	Negative	0
63	10/12/2010 10:53	BASEBOARD	WOOD	A	FAIR	WHITE	F	HALLWAY	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	BUILDING	FLOOR	ROOM	Results	PbC
68	10/12/2010 10:55	DOOR	WOOD	A	FAIR	GREEN	F	1	HALLWAY	Negative	0
69	10/12/2010 10:55	DOOR JAMB	WOOD	A	FAIR	GREEN	F	1	HALLWAY	Negative	0
70	10/12/2010 10:56	WALL	DRYWALL	A	FAIR	WHITE	F	1	STAIRWAY	Negative	0
71	10/12/2010 10:56	WALL	DRYWALL	B	FAIR	WHITE	F	1	STAIRWAY	Negative	0
72	10/12/2010 10:56	WALL	DRYWALL	C	FAIR	WHITE	F	1	STAIRWAY	Negative	0
73	10/12/2010 10:56	SIDING	WOOD	D	FAIR	WHITE	F	1	STAIRWAY	Negative	0
74	10/12/2010 10:57	STAIR RAIL	WOOD		FAIR	GREEN	F	1	STAIRWAY	Negative	0.01
75	10/12/2010 10:57	STAIR BALUSTER	WOOD		FAIR	GREEN	F	1	STAIRWAY	Negative	0.01
76	10/12/2010 10:58	BASEBOARD	WOOD	C	FAIR	WHITE	F	1	STAIRWAY	Negative	0
77	10/12/2010 10:58	DOOR	WOOD	A	FAIR	GREEN	F	1	STAIRWAY	Negative	0
78	10/12/2010 10:58	DOOR CASING	WOOD	A	FAIR	GREEN	F	1	STAIRWAY	Negative	0
79	10/12/2010 10:59	DOOR JAMB	WOOD	A	FAIR	GREEN	F	1	STAIRWAY	Negative	0
80	10/12/2010 11:00	WALL	DRYWALL	A	FAIR	WHITE	F	2	LAUNDRY	Negative	0.01
81	10/12/2010 11:00	WALL	DRYWALL	B	FAIR	WHITE	F	2	LAUNDRY	Negative	0.06
82	10/12/2010 11:00	WALL	DRYWALL	C	FAIR	WHITE	F	2	LAUNDRY	Negative	0.03
83	10/12/2010 11:01	WALL	DRYWALL	D	FAIR	WHITE	F	2	LAUNDRY	Negative	0
84	10/12/2010 11:01	COUNTER	WOOD	D	FAIR	WHITE	F	2	LAUNDRY	Negative	0.04
85	10/12/2010 11:02	WINDOW CASING	WOOD	C	FAIR	WHITE	F	2	LAUNDRY	Negative	0
86	10/12/2010 11:02	WINDOW SILL	WOOD	C	FAIR	WHITE	F	2	LAUNDRY	Negative	0
87	10/12/2010 11:02	DOOR CASING	WOOD	A	FAIR	GREEN	F	2	LAUNDRY	Negative	0
88	10/12/2010 11:02	DOOR	WOOD	A	FAIR	GREEN	F	2	LAUNDRY	Negative	0
89	10/12/2010 11:03	DOOR JAMB	WOOD	A	FAIR	GREEN	F	2	LAUNDRY	Negative	0
90	10/12/2010 11:04	SIDING	WOOD	A	FAIR	WHITE	F	1	EXTERIOR	Negative	0
91	10/12/2010 11:04	RAILING	WOOD	A	FAIR	WHITE	F	1	EXTERIOR	Negative	0
92	10/12/2010 11:05	RAIL BALUSTER	WOOD	A	FAIR	WHITE	F	1	EXTERIOR	Negative	0
93	10/12/2010 11:07	TRIM	WOOD	A	FAIR	GREEN	F	1	EXTERIOR	Negative	0.01
94	10/12/2010 11:09	SIDING	WOOD	B	FAIR	WHITE	F	1	EXTERIOR	Negative	0.01
95	10/12/2010 11:09	CORNER TRIM	WOOD	B	FAIR	GREEN	F	1	EXTERIOR	Negative	0.01
96	10/12/2010 11:09	WINDOW CASING	WOOD	B	FAIR	WHITE	F	1	EXTERIOR	Negative	0.1
97	10/12/2010 11:10	DOOR	WOOD	B	FAIR	BEIGE	F	1	EXTERIOR	Negative	0
98	10/12/2010 11:10	DOOR CASING	WOOD	B	FAIR	BEIGE	F	1	EXTERIOR	Negative	0.02
99	10/12/2010 11:10	DOOR JAMB	WOOD	B	FAIR	BEIGE	F	1	EXTERIOR	Negative	0
100	10/12/2010 11:11	DOOR THRESHOLD	WOOD	B	POOR	GREEN	F	1	EXTERIOR	Negative	0.1
101	10/12/2010 11:12	STAIR RAIL	WOOD	B	FAIR	GREEN	F	1	EXTERIOR	Negative	0
102	10/12/2010 11:12	STAIR BALUSTER	WOOD	B	FAIR	GREEN	F	1	EXTERIOR	Negative	0
103	10/12/2010 11:13	SIDING	WOOD	C	FAIR	WHITE	F	1	EXTERIOR	Negative	0.01
104	10/12/2010 11:14	SIDING	WOOD	D	FAIR	WHITE	F	1	EXTERIOR	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	BUILDING	FLOOR	ROOM	Results	PbC
105	10/12/2010 11:16	COLUMN	WOOD	B	FAIR	GREEN	F	1	CARPORT	Negative	0.01
106	10/12/2010 11:17	FASCIA	WOOD	B	FAIR	GREEN	F	1	CARPORT	Negative	0
107	10/12/2010 11:18	BEAM	WOOD	B	FAIR	WHITE	F	1	CARPORT	Negative	0.21
108	10/12/2010 11:18	SOFFIT	WOOD	B	FAIR	WHITE	F	1	CARPORT	Negative	0.4
109	10/12/2010 11:18	FLOOR STRIP	ASPHALT		POOR	WHITE	F	1	CARPORT	Negative	0
110	10/12/2010 11:26	WALL	DRYWALL	A	FAIR	WHITE	H	1	HALLWAY	Negative	0
111	10/12/2010 11:26	WALL	DRYWALL	B	FAIR	WHITE	H	1	HALLWAY	Negative	0
112	10/12/2010 11:26	WALL	DRYWALL	C	FAIR	WHITE	H	1	HALLWAY	Negative	0
113	10/12/2010 11:26	WALL	DRYWALL	D	FAIR	WHITE	H	1	HALLWAY	Negative	0
114	10/12/2010 11:27	WALL	CONCRETE	A	FAIR	WHITE	H	1	HALLWAY	Negative	0.02
115	10/12/2010 11:27	WINDOW CASING	WOOD	A	FAIR	GREEN	H	1	HALLWAY	Negative	0
116	10/12/2010 11:27	WINDOW SILL	WOOD	A	FAIR	GREEN	H	1	HALLWAY	Negative	0.01
117	10/12/2010 11:28	BASEBOARD	WOOD	C	FAIR	WHITE	H	1	HALLWAY	Negative	0
118	10/12/2010 11:28	DOOR CASING	WOOD	A	FAIR	GREEN	H	1	HALLWAY	Negative	0
119	10/12/2010 11:29	DOOR	WOOD	A	FAIR	GREEN	H	1	HALLWAY	Negative	0
120	10/12/2010 11:29	DOOR JAMB	WOOD	A	FAIR	GREEN	H	1	HALLWAY	Negative	0
121	10/12/2010 11:29	WALL	DRYWALL	A	FAIR	WHITE	H	1	HALLWAY	Negative	0
122	10/12/2010 11:30	WALL	DRYWALL	B	FAIR	WHITE	H	1	HALLWAY	Negative	0
123	10/12/2010 11:30	WALL	DRYWALL	C	FAIR	WHITE	H	1	STAIRWAY	Negative	0
124	10/12/2010 11:30	SIDING	WOOD	D	FAIR	WHITE	H	1	STAIRWAY	Negative	0.07
125	10/12/2010 11:31	CEILING	DRYWALL		FAIR	WHITE	H	1	STAIRWAY	Negative	0.02
126	10/12/2010 11:31	BASEBOARD	WOOD	C	FAIR	WHITE	H	1	STAIRWAY	Negative	0.02
127	10/12/2010 11:32	STAIR RAIL	WOOD		FAIR	GREEN	H	1	STAIRWAY	Negative	0
128	10/12/2010 11:32	STAIR BALUSTER	WOOD		FAIR	GREEN	H	1	STAIRWAY	Negative	0
129	10/12/2010 11:31	DOOR	WOOD	A	FAIR	BEIGE	H	1	STAIRWAY	Negative	0
130	10/12/2010 11:31	DOOR CASING	WOOD	A	FAIR	WHITE	H	1	STAIRWAY	Negative	0
131	10/12/2010 11:33	WALL	DRYWALL	A	FAIR	WHITE	H	1	STAIRWAY	Negative	0
132	10/12/2010 11:33	WALL	DRYWALL	B	FAIR	WHITE	H	2	LAUNDRY	Negative	0.01
133	10/12/2010 11:33	WALL	DRYWALL	C	FAIR	WHITE	H	2	LAUNDRY	Negative	0
134	10/12/2010 11:33	WALL	DRYWALL	D	FAIR	WHITE	H	2	LAUNDRY	Negative	0.01
135	10/12/2010 11:34	WINDOW CASING	WOOD	C	FAIR	WHITE	H	2	LAUNDRY	Negative	0.02
136	10/12/2010 11:34	WINDOW SILL	WOOD	C	FAIR	WHITE	H	2	LAUNDRY	Negative	0.01
137	10/12/2010 11:34	COUNTER	WOOD	B	FAIR	WHITE	H	2	LAUNDRY	Negative	0.03
138	10/12/2010 11:35	DOOR	WOOD	A	FAIR	GREEN	H	2	LAUNDRY	Negative	0
139	10/12/2010 11:35	DOOR CASING	WOOD	A	FAIR	GREEN	H	2	LAUNDRY	Negative	0
140	10/12/2010 11:35	DOOR JAMB	WOOD	A	FAIR	GREEN	H	2	LAUNDRY	Negative	0
141	10/12/2010 11:36	SIDING	WOOD	A	FAIR	WHITE	H	1	EXTERIOR	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	BUILDING	FLOOR	ROOM	Results	PbC
142	10/12/2010 11:36	WINDOW CASING	WOOD	A	FAIR	WHITE	H	1	EXTERIOR	Negative	0
143	10/12/2010 11:37	RAILING	WOOD	A	FAIR	WHITE	H	1	EXTERIOR	Negative	0
144	10/12/2010 11:37	RAIL BALUSTER	WOOD	A	FAIR	WHITE	H	1	EXTERIOR	Negative	0
145	10/12/2010 11:39	SIDING	WOOD	B	FAIR	WHITE	H	1	EXTERIOR	Negative	0.02
146	10/12/2010 11:40	WINDOW CASING	WOOD	B	FAIR	WHITE	H	1	EXTERIOR	Negative	0
147	10/12/2010 11:40	TRIM	WOOD	B	FAIR	GREEN	H	1	EXTERIOR	Negative	0
148	10/12/2010 11:40	CORNER TRIM	WOOD	B	FAIR	GREEN	H	1	EXTERIOR	Negative	0.06
149	10/12/2010 11:41	DOOR	WOOD	B	FAIR	BEIGE	H	1	EXTERIOR	Negative	0
150	10/12/2010 11:41	DOOR CASING	WOOD	B	FAIR	WHITE	H	1	EXTERIOR	Negative	0
151	10/12/2010 11:41	DOOR JAMB	WOOD	B	FAIR	WHITE	H	1	EXTERIOR	Negative	0.01
152	10/12/2010 11:42	DOOR THRESHOLD	WOOD	B	POOR	GREEN	H	1	EXTERIOR	Negative	0.02
153	10/12/2010 11:43	RAILING	WOOD	B	FAIR	GREEN	H	1	EXTERIOR	Negative	0
154	10/12/2010 11:43	RAIL BALUSTER	WOOD	B	FAIR	GREEN	H	1	EXTERIOR	Negative	0.15
155	10/12/2010 11:44	SIDING	WOOD	C	FAIR	WHITE	H	1	EXTERIOR	Negative	0.01
156	10/12/2010 11:44	SIDING	WOOD	D	FAIR	WHITE	H	1	EXTERIOR	Negative	0.02
157	10/12/2010 11:47	WALL	DRYWALL	A	FAIR	WHITE	K	1	HALLWAY	Negative	0
158	10/12/2010 11:47	WALL	DRYWALL	B	FAIR	WHITE	K	1	HALLWAY	Negative	0
159	10/12/2010 11:47	WALL	DRYWALL	C	FAIR	WHITE	K	1	HALLWAY	Negative	0
160	10/12/2010 11:47	WALL	DRYWALL	D	FAIR	WHITE	K	1	HALLWAY	Negative	0
161	10/12/2010 11:48	WALL	CONCRETE	A	FAIR	WHITE	K	1	HALLWAY	Negative	0
162	10/12/2010 11:48	BASEBOARD	WOOD	A	FAIR	WHITE	K	1	HALLWAY	Negative	0
163	10/12/2010 11:49	WINDOW CASING	WOOD	A	FAIR	GREEN	K	1	HALLWAY	Negative	0.01
164	10/12/2010 11:49	WINDOW SILL	WOOD	A	FAIR	GREEN	K	1	HALLWAY	Negative	0
165	10/12/2010 11:49	DOOR	WOOD	A	FAIR	GREEN	K	1	HALLWAY	Negative	0
166	10/12/2010 11:50	DOOR CASING	WOOD	A	FAIR	GREEN	K	1	HALLWAY	Negative	0
167	10/12/2010 11:50	DOOR JAMB	WOOD	A	FAIR	GREEN	K	1	HALLWAY	Negative	0
168	10/12/2010 11:51	WALL	DRYWALL	A	FAIR	WHITE	K	1	STAIRWAY	Negative	0
169	10/12/2010 11:51	SIDING	WOOD	B	FAIR	WHITE	K	1	STAIRWAY	Negative	0.01
170	10/12/2010 11:51	WALL	DRYWALL	C	FAIR	WHITE	K	1	STAIRWAY	Negative	0
171	10/12/2010 11:52	WALL	DRYWALL	D	FAIR	WHITE	K	1	STAIRWAY	Negative	0
172	10/12/2010 11:52	CEILING	DRYWALL		FAIR	WHITE	K	1	STAIRWAY	Negative	0.02
173	10/12/2010 11:52	BASEBOARD	WOOD	C	FAIR	WHITE	K	1	STAIRWAY	Negative	0
174	10/12/2010 11:52	STAIR RAIL	WOOD		FAIR	GREEN	K	1	STAIRWAY	Negative	0.01
175	10/12/2010 11:53	STAIR BALUSTER	WOOD		FAIR	GREEN	K	1	STAIRWAY	Negative	0.01
176	10/12/2010 11:53	DOOR	WOOD	A	FAIR	GREEN	K	1	STAIRWAY	Negative	0
177	10/12/2010 11:53	DOOR CASING	WOOD	A	FAIR	GREEN	K	1	STAIRWAY	Negative	0
178	10/12/2010 12:52			CALIBRATE				1		Positive	1

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	BUILDING	FLOOR	ROOM	Results	PbC
179	10/12/2010 12:52			CALIBRATE				1		Positive	1
180	10/12/2010 12:52			CALIBRATE				1		Positive	1.2
181	10/12/2010 12:57	WALL	DRYWALL	A	FAIR	WHITE	K	2	LAUNDRY	Negative	0.01
182	10/12/2010 12:57	WALL	DRYWALL	B	FAIR	WHITE	K	2	LAUNDRY	Negative	0.01
183	10/12/2010 12:57	WALL	DRYWALL	C	FAIR	WHITE	K	2	LAUNDRY	Negative	0
184	10/12/2010 12:57	WALL	DRYWALL	D	FAIR	WHITE	K	2	LAUNDRY	Negative	0.01
185	10/12/2010 13:00	COUNTER	WOOD	B	FAIR	WHITE	K	2	LAUNDRY	Negative	0
186	10/12/2010 13:00	WINDOW CASING	WOOD	C	FAIR	WHITE	K	2	LAUNDRY	Negative	0.01
187	10/12/2010 13:00	WINDOW SILL	WOOD	C	FAIR	WHITE	K	2	LAUNDRY	Negative	0
188	10/12/2010 13:01	DOOR	WOOD	A	FAIR	GREEN	K	2	LAUNDRY	Negative	0
189	10/12/2010 13:01	DOOR CASING	WOOD	A	FAIR	GREEN	K	2	LAUNDRY	Negative	0.03
190	10/12/2010 13:01	DOOR JAMB	WOOD	A	FAIR	GREEN	K	2	LAUNDRY	Negative	0.01
191	10/12/2010 13:03	SIDING	WOOD	A	FAIR	WHITE	K	1	EXTERIOR	Negative	0.01
192	10/12/2010 13:03	WINDOW CASING	WOOD	A	FAIR	WHITE	K	1	EXTERIOR	Negative	0
193	10/12/2010 13:04	TRIM	WOOD	A	FAIR	GREEN	K	1	EXTERIOR	Negative	0
194	10/12/2010 13:04	CORNER TRIM	WOOD	A	FAIR	GREEN	K	1	EXTERIOR	Negative	0.12
195	10/12/2010 13:04	DOOR	WOOD	A	FAIR	BEIGE	K	1	EXTERIOR	Negative	0
196	10/12/2010 13:05	DOOR CASING	WOOD	A	FAIR	WHITE	K	1	EXTERIOR	Negative	0.04
197	10/12/2010 13:05	DOOR JAMB	WOOD	A	FAIR	WHITE	K	1	EXTERIOR	Negative	0
198	10/12/2010 13:05	DOOR THRESHOLD	WOOD	A	POOR	GREEN	K	1	EXTERIOR	Negative	0
199	10/12/2010 13:06	RAILING	WOOD	A	POOR	CLEAR	K	1	EXTERIOR	Negative	0
200	10/12/2010 13:06	RAIL BALUSTER	WOOD	A	POOR	CLEAR	K	1	EXTERIOR	Negative	0
201	10/12/2010 13:07	RAILING	WOOD	B	FAIR	WHITE	K	1	EXTERIOR	Negative	0
202	10/12/2010 13:07	RAIL BALUSTER	WOOD	B	FAIR	WHITE	K	1	EXTERIOR	Negative	0
203	10/12/2010 13:07	SIDING	WOOD	B	FAIR	WHITE	K	1	EXTERIOR	Negative	0
204	10/12/2010 13:08	SIDING	WOOD	C	FAIR	WHITE	K	1	EXTERIOR	Negative	0.05
205	10/12/2010 13:08	SIDING	WOOD	D	FAIR	WHITE	K	1	EXTERIOR	Negative	0.02
206	10/12/2010 13:09	COLUMN	WOOD	A	FAIR	GREEN	K	1	CARPOT	Negative	0.05
207	10/12/2010 13:09	FASCIA	WOOD	A	FAIR	GREEN	K	1	CARPOT	Negative	0.03
208	10/12/2010 13:10	BEAM	WOOD	A	FAIR	WHITE	K	1	CARPOT	Negative	0
209	10/12/2010 13:10	SOFFIT	WOOD	A	FAIR	WHITE	K	1	CARPOT	Negative	0.24
210	10/12/2010 13:11	FLOOR STRIP	ASPHALT	A	POOR	WHITE	K	1	CARPOT	Negative	0
211	10/12/2010 13:12	WALL	CONCRETE	A	FAIR	WHITE	M	1	HALLWAY	Negative	0
212	10/12/2010 13:12	WALL	DRYWALL	A	FAIR	WHITE	M	1	HALLWAY	Negative	0.01
213	10/12/2010 13:13	WALL	DRYWALL	B	FAIR	WHITE	M	1	HALLWAY	Negative	0
214	10/12/2010 13:13	WALL	DRYWALL	C	FAIR	WHITE	M	1	HALLWAY	Negative	0.01
215	10/12/2010 13:13	WALL	DRYWALL	D	FAIR	WHITE	M	1	HALLWAY	Negative	0.08

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	BUILDING	FLOOR	ROOM	Results	PbC
216	10/12/2010 13:14	BASEBOARD	WOOD	A	FAIR	WHITE	M	1	HALLWAY	Negative	0.01
217	10/12/2010 13:14	WINDOW CASING	WOOD	A	FAIR	GREEN	M	1	HALLWAY	Negative	0.01
218	10/12/2010 13:14	WINDOW SILL	WOOD	A	FAIR	GREEN	M	1	HALLWAY	Negative	0.01
219	10/12/2010 13:14	DOOR	WOOD	A	FAIR	GREEN	M	1	HALLWAY	Negative	0
220	10/12/2010 13:14	DOOR CASING	WOOD	A	FAIR	GREEN	M	1	HALLWAY	Negative	0.01
221	10/12/2010 13:15	DOOR JAMB	WOOD	A	FAIR	GREEN	M	1	HALLWAY	Negative	0.05
222	10/12/2010 13:15	WALL	DRYWALL	A	FAIR	WHITE	M	1	STAIRWAY	Negative	0
223	10/12/2010 13:15	WALL	DRYWALL	B	FAIR	WHITE	M	1	STAIRWAY	Negative	0.01
224	10/12/2010 13:15	WALL	DRYWALL	C	FAIR	WHITE	M	1	STAIRWAY	Negative	0
225	10/12/2010 13:16	SIDING	WOOD	D	FAIR	WHITE	M	1	STAIRWAY	Negative	0.01
226	10/12/2010 13:16	CEILING	DRYWALL		FAIR	WHITE	M	1	STAIRWAY	Negative	0
227	10/12/2010 13:16	BASEBOARD	WOOD	C	FAIR	WHITE	M	1	STAIRWAY	Negative	0
228	10/12/2010 13:17	DOOR	WOOD	A	FAIR	GREEN	M	1	STAIRWAY	Negative	0.04
229	10/12/2010 13:17	DOOR CASING	WOOD	A	FAIR	GREEN	M	1	STAIRWAY	Negative	0
230	10/12/2010 13:17	STAIR RAIL	WOOD		FAIR	GREEN	M	1	STAIRWAY	Negative	0.02
231	10/12/2010 13:17	STAIR BALUSTER	WOOD		FAIR	GREEN	M	1	STAIRWAY	Negative	0
232	10/12/2010 13:18	WALL	DRYWALL	A	FAIR	WHITE	M	2	LAUNDRY	Negative	0
233	10/12/2010 13:19	WALL	DRYWALL	B	FAIR	WHITE	M	2	LAUNDRY	Negative	0.01
234	10/12/2010 13:19	WALL	DRYWALL	C	FAIR	WHITE	M	2	LAUNDRY	Negative	0.01
235	10/12/2010 13:19	WALL	DRYWALL	D	FAIR	WHITE	M	2	LAUNDRY	Negative	0.01
236	10/12/2010 13:20	WINDOW CASING	WOOD	C	FAIR	WHITE	M	2	LAUNDRY	Negative	0
237	10/12/2010 13:20	WINDOW SILL	WOOD	C	FAIR	WHITE	M	2	LAUNDRY	Negative	0
238	10/12/2010 13:20	COUNTER	WOOD	D	FAIR	WHITE	M	2	LAUNDRY	Negative	0.14
239	10/12/2010 13:21	DOOR	WOOD	A	FAIR	GREEN	M	2	LAUNDRY	Negative	0
240	10/12/2010 13:21	DOOR CASING	WOOD	A	FAIR	GREEN	M	2	LAUNDRY	Negative	0
241	10/12/2010 13:21	DOOR JAMB	WOOD	A	FAIR	GREEN	M	2	LAUNDRY	Negative	0
242	10/12/2010 13:22	SIDING	WOOD	A	FAIR	WHITE	M	1	EXTERIOR	Negative	0.01
243	10/12/2010 13:22	RAILING	WOOD	A	FAIR	WHITE	M	1	EXTERIOR	Negative	0
244	10/12/2010 13:22	RAIL BALUSTER	WOOD	A	FAIR	WHITE	M	1	EXTERIOR	Negative	0
245	10/12/2010 13:23	SIDING	WOOD	B	FAIR	WHITE	M	1	EXTERIOR	Negative	0.01
246	10/12/2010 13:23	CORNER TRIM	WOOD	B	FAIR	GREEN	M	1	EXTERIOR	Negative	0.02
247	10/12/2010 13:23	TRIM	WOOD	B	FAIR	GREEN	M	1	EXTERIOR	Negative	0.02
248	10/12/2010 13:24	WINDOW CASING	WOOD	B	FAIR	WHITE	M	1	EXTERIOR	Negative	0
249	10/12/2010 13:24	DOOR	WOOD	B	FAIR	BEIGE	M	1	EXTERIOR	Negative	0.01
250	10/12/2010 13:24	DOOR CASING	WOOD	B	FAIR	WHITE	M	1	EXTERIOR	Negative	0
251	10/12/2010 13:25	DOOR JAMB	WOOD	B	FAIR	WHITE	M	1	EXTERIOR	Negative	0
252	10/12/2010 13:25	DOOR THRESHOLD	WOOD	B	POOR	GREEN	M	1	EXTERIOR	Negative	0.03

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	BUILDING	FLOOR	ROOM	Results	PbC
253	10/12/2010 13:25	STAIR RAIL	WOOD	B	FAIR	GREEN	M	1	EXTERIOR	Negative	0
254	10/12/2010 13:25	STAIR BALUSTER	WOOD	B	FAIR	GREEN	M	1	EXTERIOR	Negative	0
255	10/12/2010 13:26	SIDING	WOOD	C	FAIR	WHITE	M	1	EXTERIOR	Negative	0.01
256	10/12/2010 13:26	SIDING	WOOD	D	FAIR	WHITE	M	1	EXTERIOR	Negative	0
257	10/12/2010 13:27	COLUMN	WOOD	B	FAIR	GREEN	M	1	CARPORT	Negative	0.09
258	10/12/2010 13:27	FASCIA	WOOD	B	FAIR	GREEN	M	1	CARPORT	Negative	0.05
259	10/12/2010 13:27	BEAM	WOOD	B	FAIR	WHITE	M	1	CARPORT	Negative	0
260	10/12/2010 13:28	SOFFIT	WOOD	B	FAIR	WHITE	M	1	CARPORT	Negative	0.4
261	10/12/2010 13:28	FLOOR STRIP	ASPHALT		FAIR	WHITE	M	1	CARPORT	Negative	0
262	10/12/2010 13:30	WALL	CONCRETE	A	FAIR	WHITE	P	1	HALLWAY	Negative	0.01
263	10/12/2010 13:31	WALL	DRYWALL	A	FAIR	WHITE	P	1	HALLWAY	Negative	0.01
264	10/12/2010 13:31	WALL	DRYWALL	B	FAIR	WHITE	P	1	HALLWAY	Negative	0
265	10/12/2010 13:31	WALL	DRYWALL	C	FAIR	WHITE	P	1	HALLWAY	Negative	0
266	10/12/2010 13:31	WALL	DRYWALL	D	FAIR	WHITE	P	1	HALLWAY	Negative	0.01
267	10/12/2010 13:31	BASEBOARD	WOOD	A	FAIR	WHITE	P	1	HALLWAY	Negative	0.01
268	10/12/2010 13:32	DOOR	WOOD	A	FAIR	GREEN	P	1	HALLWAY	Negative	0.02
269	10/12/2010 13:32	DOOR CASING	WOOD	A	FAIR	GREEN	P	1	HALLWAY	Negative	0
270	10/12/2010 13:32	DOOR JAMB	WOOD	A	FAIR	GREEN	P	1	HALLWAY	Negative	0
271	10/12/2010 13:33	WALL	DRYWALL	A	FAIR	WHITE	P	1	STAIRWAY	Negative	0
272	10/12/2010 13:33	SIDING	WOOD	B	FAIR	WHITE	P	1	STAIRWAY	Negative	0
273	10/12/2010 13:33	WALL	DRYWALL	C	FAIR	WHITE	P	1	STAIRWAY	Negative	0.02
274	10/12/2010 13:33	WALL	DRYWALL	D	FAIR	WHITE	P	1	STAIRWAY	Negative	0
275	10/12/2010 13:34	CEILING	DRYWALL		FAIR	WHITE	P	1	STAIRWAY	Negative	0.01
276	10/12/2010 13:34	BASEBOARD	WOOD	C	FAIR	WHITE	P	1	STAIRWAY	Negative	0
277	10/12/2010 13:34	STAIR RAIL	WOOD	C	FAIR	GREEN	P	1	STAIRWAY	Negative	0.01
278	10/12/2010 13:35	STAIR BALUSTER	WOOD	C	FAIR	GREEN	P	1	STAIRWAY	Negative	0.03
279	10/12/2010 13:35	DOOR	WOOD	A	FAIR	BEIGE	P	1	STAIRWAY	Negative	0
280	10/12/2010 13:36	DOOR CASING	WOOD	A	FAIR	WHITE	P	1	STAIRWAY	Negative	0
281	10/12/2010 13:36	WALL	DRYWALL	A	FAIR	WHITE	P	2	LAUNDRY	Negative	0
282	10/12/2010 13:37	WALL	DRYWALL	B	FAIR	WHITE	P	2	LAUNDRY	Negative	0
283	10/12/2010 13:37	WALL	DRYWALL	C	FAIR	WHITE	P	2	LAUNDRY	Negative	0
284	10/12/2010 13:37	WALL	DRYWALL	D	FAIR	WHITE	P	2	LAUNDRY	Negative	0
285	10/12/2010 13:38	WINDOW CASING	WOOD	C	FAIR	WHITE	P	2	LAUNDRY	Negative	0
286	10/12/2010 13:38	WINDOW SILL	WOOD	C	FAIR	WHITE	P	2	LAUNDRY	Negative	0
287	10/12/2010 13:38	COUNTER	WOOD		FAIR	WHITE	P	2	LAUNDRY	Negative	0.02
288	10/12/2010 13:38	DOOR	WOOD	A	FAIR	GREEN	P	2	LAUNDRY	Negative	0
289	10/12/2010 13:39	DOOR CASING	WOOD	A	FAIR	GREEN	P	2	LAUNDRY	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	BUILDING	FLOOR	ROOM	Results	PbC
290	10/12/2010 13:39	DOOR JAMB	WOOD	A	FAIR	GREEN	P	2	LAUNDRY	Negative	0
291	10/12/2010 13:40	SIDING	WOOD	A	FAIR	WHITE	P	1	EXTERIOR	Negative	0.03
292	10/12/2010 13:40	CORNER TRIM	WOOD	A	FAIR	GREEN	P	1	EXTERIOR	Negative	0.03
293	10/12/2010 13:40	TRIM	WOOD	A	FAIR	GREEN	P	1	EXTERIOR	Negative	0
294	10/12/2010 13:41	WINDOW CASING	WOOD	A	FAIR	WHITE	P	1	EXTERIOR	Negative	0
295	10/12/2010 13:41	DOOR	WOOD	A	FAIR	BEIGE	P	1	EXTERIOR	Negative	0.01
296	10/12/2010 13:42	DOOR CASING	WOOD	A	FAIR	WHITE	P	1	EXTERIOR	Negative	0
297	10/12/2010 13:42	DOOR JAMB	WOOD	A	FAIR	WHITE	P	1	EXTERIOR	Negative	0
298	10/12/2010 13:43	DOOR THRESHOLD	WOOD	A	POOR	GREEN	P	1	EXTERIOR	Negative	0.24
299	10/12/2010 13:43	RAILING	WOOD	A	FAIR	GREEN	P	1	EXTERIOR	Negative	0
300	10/12/2010 13:44	RAIL BALUSTER	WOOD	A	FAIR	GREEN	P	1	EXTERIOR	Negative	0
301	10/12/2010 13:48	SIDING	WOOD	B	FAIR	GREEN	P	1	EXTERIOR	Negative	0.01
302	10/12/2010 13:48	RAILING	WOOD	B	FAIR	WHITE	P	1	EXTERIOR	Negative	0
303	10/12/2010 13:48	RAIL BALUSTER	WOOD	B	FAIR	WHITE	P	1	EXTERIOR	Negative	0
304	10/12/2010 13:48	SIDING	WOOD	C	FAIR	WHITE	P	1	EXTERIOR	Negative	0
305	10/12/2010 13:49	SIDING	WOOD	D	FAIR	WHITE	P	1	EXTERIOR	Negative	0
306	10/12/2010 13:49	COLUMN	WOOD	A	FAIR	GREEN	P	1	CARPOT	Negative	0.13
307	10/12/2010 13:49	FASCIA	WOOD	A	FAIR	GREEN	P	1	CARPOT	Negative	0.02
308	10/12/2010 13:49	BEAM	WOOD	A	FAIR	WHITE	P	1	CARPOT	Negative	0.01
309	10/12/2010 13:50	SOFFIT	WOOD	A	FAIR	WHITE	P	1	CARPOT	Negative	0
310	10/12/2010 13:50	FLOOR STRIP	ASPHALT		POOR	WHITE	P	1	CARPOT	Negative	0.07
311	10/12/2010 13:50	WALL	DRYWALL	A	FAIR	WHITE	N	1	HALLWAY	Negative	0.02
312	10/12/2010 13:51	WALL	DRYWALL	B	FAIR	WHITE	N	1	HALLWAY	Negative	0
313	10/12/2010 13:51	WALL	DRYWALL	C	FAIR	WHITE	N	1	HALLWAY	Negative	0.02
314	10/12/2010 13:52	WALL	DRYWALL	D	FAIR	WHITE	N	1	HALLWAY	Negative	0
315	10/12/2010 13:52	BASEBOARD	WOOD	A	FAIR	WHITE	N	1	HALLWAY	Negative	0
316	10/12/2010 13:52	DOOR	WOOD	A	FAIR	GREEN	N	1	HALLWAY	Negative	0.02
317	10/12/2010 13:55	DOOR CASING	WOOD	A	FAIR	GREEN	N	1	HALLWAY	Negative	0.08
318	10/12/2010 13:56	DOOR JAMB	WOOD	A	FAIR	GREEN	N	1	HALLWAY	Negative	0
319	10/12/2010 13:56	WALL	DRYWALL	A	FAIR	WHITE	N	1	STAIRWAY	Negative	0
320	10/12/2010 13:59	SIDING	WOOD	B	FAIR	WHITE	N	1	STAIRWAY	Negative	0
321	10/12/2010 14:00	WALL	DRYWALL	C	FAIR	WHITE	N	1	STAIRWAY	Negative	0
322	10/12/2010 14:00	WALL	DRYWALL	D	FAIR	WHITE	N	1	STAIRWAY	Negative	0
323	10/12/2010 14:00	CEILING	DRYWALL		FAIR	WHITE	N	1	STAIRWAY	Negative	0
324	10/12/2010 14:01	STAIR RAIL	WOOD		FAIR	GREEN	N	1	STAIRWAY	Negative	0.07
325	10/12/2010 14:01	STAIR BALUSTER	WOOD		FAIR	GREEN	N	1	STAIRWAY	Negative	0.05
326	10/12/2010 14:02	BASEBOARD	WOOD	A	FAIR	WHITE	N	1	STAIRWAY	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	BUILDING	FLOOR	ROOM	Results	PbC
327	10/12/2010 14:02	SIDING	WOOD	A	FAIR	WHITE	N	1	EXTERIOR	Negative	0.06
328	10/12/2010 14:02	RAILING	WOOD	A	FAIR	WHITE	N	1	EXTERIOR	Negative	0
329	10/12/2010 14:02	RAIL BALUSTER	WOOD	A	FAIR	WHITE	N	1	EXTERIOR	Negative	0
330	10/12/2010 14:03	SIDING	WOOD	B	FAIR	WHITE	N	1	EXTERIOR	Negative	0
331	10/12/2010 14:18	SIDING	WOOD	C	FAIR	WHITE	N	1	EXTERIOR	Negative	0
332	10/12/2010 14:18	SIDING	WOOD	D	FAIR	WHITE	N	1	EXTERIOR	Negative	0
333	10/12/2010 14:18	CORNER TRIM	WOOD	D	FAIR	GREEN	N	1	EXTERIOR	Negative	0.08
334	10/12/2010 14:19	WINDOW CASING	WOOD	D	FAIR	WHITE	N	1	EXTERIOR	Negative	0.01
335	10/12/2010 14:19	DOOR	WOOD	D	FAIR	BEIGE	N	1	EXTERIOR	Negative	0.01
336	10/12/2010 14:19	DOOR CASING	WOOD	D	FAIR	WHITE	N	1	EXTERIOR	Negative	0
337	10/12/2010 14:20	DOOR JAMB	WOOD	D	FAIR	WHITE	N	1	EXTERIOR	Negative	0
338	10/12/2010 14:20	DOOR THRESHOLD	WOOD	D	POOR	GREEN	N	1	EXTERIOR	Negative	0.02
339	10/12/2010 14:20	STAIR RAIL	WOOD	D	FAIR	GREEN	N	1	EXTERIOR	Negative	0
340	10/12/2010 14:21	STAIR BALUSTER	WOOD	D	FAIR	GREEN	N	1	EXTERIOR	Negative	0
341	10/12/2010 14:21	WALL	DRYWALL	A	FAIR	WHITE	L	1	HALLWAY	Negative	0
342	10/12/2010 14:21	WALL	DRYWALL	B	FAIR	WHITE	L	1	HALLWAY	Negative	0.05
343	10/12/2010 14:22	WALL	DRYWALL	C	FAIR	WHITE	L	1	HALLWAY	Negative	0.02
344	10/12/2010 14:22	WALL	DRYWALL	D	FAIR	WHITE	L	1	HALLWAY	Negative	0
345	10/12/2010 14:23	BASEBOARD	WOOD	A	FAIR	WHITE	L	1	HALLWAY	Negative	0.01
346	10/12/2010 14:23	DOOR	WOOD	A	FAIR	GREEN	L	1	HALLWAY	Negative	0.01
347	10/12/2010 14:23	DOOR CASING	WOOD	A	FAIR	GREEN	L	1	HALLWAY	Negative	0
348	10/12/2010 14:24	DOOR JAMB	WOOD	A	FAIR	GREEN	L	1	HALLWAY	Negative	0
349	10/12/2010 14:26	WALL	DRYWALL	A	FAIR	WHITE	L	1	STAIRWAY	Negative	0
350	10/12/2010 14:26	SIDING	WOOD	B	FAIR	WHITE	L	1	STAIRWAY	Negative	0.01
351	10/12/2010 14:27	WALL	DRYWALL	C	FAIR	WHITE	L	1	STAIRWAY	Negative	0
352	10/12/2010 14:27	WALL	DRYWALL	D	FAIR	WHITE	L	1	STAIRWAY	Negative	0
353	10/12/2010 14:27	BASEBOARD	WOOD	A	FAIR	WHITE	L	1	STAIRWAY	Negative	0
354	10/12/2010 14:27	STAIR RAIL	WOOD		FAIR	GREEN	L	1	STAIRWAY	Negative	0.05
355	10/12/2010 14:28	STAIR BALUSTER	WOOD		FAIR	GREEN	L	1	STAIRWAY	Negative	0.03
356	10/12/2010 14:28	DOOR	WOOD	A	FAIR	GREEN	L	1	STAIRWAY	Negative	0
357	10/12/2010 14:29	DOOR CASING	WOOD	A	FAIR	GREEN	L	1	STAIRWAY	Negative	0.14
358	10/12/2010 14:29	CEILING	DRYWALL		FAIR	GREEN	L	1	STAIRWAY	Negative	0.02
359	10/12/2010 14:29	SIDING	WOOD	A	FAIR	WHITE	L	1	STAIRWAY	Negative	0.05
360	10/12/2010 14:30	CORNER TRIM	WOOD	A	FAIR	WHITE	L	1	EXTERIOR	Negative	0
361	10/12/2010 14:30	TRIM	WOOD	A	FAIR	WHITE	L	1	EXTERIOR	Negative	0
362	10/12/2010 14:36	WINDOW CASING	WOOD	A	FAIR	GREEN	L	1	EXTERIOR	Negative	0.01
363	10/12/2010 14:36	DOOR CASING	WOOD	A	FAIR	WHITE	L	1	EXTERIOR	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	BUILDING	FLOOR	ROOM	Results	PbC
364	10/12/2010 14:37	DOOR JAMB	WOOD	A	FAIR	WHITE	L	1	EXTERIOR	Negative	0.02
365	10/12/2010 14:37	DOOR	WOOD	A	FAIR	BEIGE	L	1	EXTERIOR	Negative	0
366	10/12/2010 14:37	DOOR THRESHOLD	WOOD	A	POOR	GREEN	L	1	EXTERIOR	Negative	0
367	10/12/2010 14:37	STAIR RAIL	WOOD	A	POOR	GREEN	L	1	EXTERIOR	Negative	0
368	10/12/2010 14:38	STAIR BALUSTER	WOOD	A	POOR	GREEN	L	1	EXTERIOR	Negative	0
369	10/12/2010 14:38	SIDING	WOOD	B	FAIR	WHITE	L	1	EXTERIOR	Negative	0
370	10/12/2010 14:38	SIDING	WOOD	C	FAIR	WHITE	L	1	EXTERIOR	Negative	0
371	10/12/2010 14:38	SIDING	WOOD	D	FAIR	WHITE	L	1	EXTERIOR	Negative	0
372	10/12/2010 14:39	WALL	DRYWALL	A	FAIR	WHITE	J	1	HALLWAY	Negative	0.01
373	10/12/2010 14:39	WALL	DRYWALL	B	FAIR	WHITE	J	1	HALLWAY	Negative	0.02
374	10/12/2010 14:40	WALL	DRYWALL	C	FAIR	WHITE	J	1	HALLWAY	Negative	0
375	10/12/2010 14:40	WALL	DRYWALL	D	FAIR	WHITE	J	1	HALLWAY	Negative	0.01
376	10/12/2010 14:40	WALL	CONCRETE	A	FAIR	WHITE	J	1	HALLWAY	Negative	0
377	10/12/2010 14:40	BASEBOARD	WOOD	A	FAIR	WHITE	J	1	HALLWAY	Negative	0
378	10/12/2010 14:41	WINDOW CASING	WOOD	A	FAIR	GREEN	J	1	HALLWAY	Negative	0.01
379	10/12/2010 14:41	WINDOW SILL	WOOD	A	FAIR	GREEN	J	1	HALLWAY	Negative	0
380	10/12/2010 14:41	DOOR	WOOD	A	FAIR	GREEN	J	1	HALLWAY	Negative	0
381	10/12/2010 14:41	DOOR CASING	WOOD	A	FAIR	GREEN	J	1	HALLWAY	Negative	0
382	10/12/2010 14:42	DOOR JAMB	WOOD	A	FAIR	GREEN	J	1	HALLWAY	Negative	0
383	10/12/2010 14:42	WALL	DRYWALL	A	FAIR	WHITE	J	1	STAIRWAY	Negative	0
384	10/12/2010 14:43	SIDING	WOOD	B	FAIR	WHITE	J	1	STAIRWAY	Negative	0
385	10/12/2010 14:43	WALL	DRYWALL	C	FAIR	WHITE	J	1	STAIRWAY	Negative	0.04
386	10/12/2010 14:43	WALL	DRYWALL	D	FAIR	WHITE	J	1	STAIRWAY	Negative	0.01
387	10/12/2010 14:43	CEILING	DRYWALL		FAIR	WHITE	J	1	STAIRWAY	Negative	0.05
388	10/12/2010 14:44	BASEBOARD	WOOD	C	FAIR	WHITE	J	1	STAIRWAY	Negative	0.01
389	10/12/2010 14:44	STAIR RAIL	WOOD	C	FAIR	GREEN	J	1	STAIRWAY	Negative	0
390	10/12/2010 14:45	STAIR BALUSTER	WOOD	C	FAIR	GREEN	J	1	STAIRWAY	Negative	0.01
391	10/12/2010 14:45	DOOR	WOOD	A	FAIR	GREEN	J	1	STAIRWAY	Negative	0
392	10/12/2010 14:45	DOOR CASING	WOOD	A	FAIR	GREEN	J	1	STAIRWAY	Negative	0
393	10/12/2010 14:46	WALL	DRYWALL	A	FAIR	WHITE	J	2	LAUNDRY	Negative	0
394	10/12/2010 14:47	WALL	DRYWALL	B	FAIR	WHITE	J	2	LAUNDRY	Negative	0.01
395	10/12/2010 14:47	WALL	DRYWALL	C	FAIR	WHITE	J	2	LAUNDRY	Negative	0
396	10/12/2010 14:48	WALL	DRYWALL	D	FAIR	WHITE	J	2	LAUNDRY	Negative	0.03
397	10/12/2010 14:48	WINDOW CASING	WOOD	C	FAIR	WHITE	J	2	LAUNDRY	Negative	0
398	10/12/2010 14:49	WINDOW SILL	WOOD	C	FAIR	WHITE	J	2	LAUNDRY	Negative	0
399	10/12/2010 14:49	COUNTER	WOOD	B	FAIR	WHITE	J	2	LAUNDRY	Negative	0.04
400	10/12/2010 14:49	DOOR	WOOD	A	FAIR	GREEN	J	2	LAUNDRY	Negative	0

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	BUILDING	FLOOR	ROOM	Results	PbC
401	10/12/2010 14:50	DOOR CASING	WOOD	A	FAIR	GREEN	J	2	LAUNDRY	Negative	0
402	10/12/2010 14:50	DOOR JAMB	WOOD	A	FAIR	GREEN	J	2	LAUNDRY	Negative	0
403	10/12/2010 14:50	SIDING	WOOD	A	FAIR	WHITE	J	1	EXTERIOR	Negative	0
404	10/12/2010 14:51	RAILING	WOOD	A	FAIR	WHITE	J	1	EXTERIOR	Negative	0.01
405	10/12/2010 14:51	RAIL BALUSTER	WOOD	A	FAIR	WHITE	J	1	EXTERIOR	Negative	0
406	10/12/2010 14:51	SIDING	WOOD	B	FAIR	WHITE	J	1	EXTERIOR	Negative	0
407	10/12/2010 14:51	SIDING	WOOD	C	FAIR	WHITE	J	1	EXTERIOR	Negative	0.02
408	10/12/2010 14:52	SIDING	WOOD	D	FAIR	WHITE	J	1	EXTERIOR	Negative	0
409	10/12/2010 14:52	CORNER TRIM	WOOD	D	FAIR	GREEN	J	1	EXTERIOR	Negative	0
410	10/12/2010 14:53	TRIM	WOOD	D	FAIR	GREEN	J	1	EXTERIOR	Negative	0.01
411	10/12/2010 14:53	WINDOW CASING	WOOD	D	FAIR	WHITE	J	1	EXTERIOR	Negative	0
412	10/12/2010 14:54	DOOR	WOOD	D	FAIR	BEIGE	J	1	EXTERIOR	Negative	0
413	10/12/2010 14:54	DOOR CASING	WOOD	D	FAIR	WHITE	J	1	EXTERIOR	Negative	0
414	10/12/2010 14:54	DOOR JAMB	WOOD	D	FAIR	WHITE	J	1	EXTERIOR	Negative	0
415	10/12/2010 14:55	DOOR THRESHOLD	WOOD	D	POOR	GREEN	J	1	EXTERIOR	Negative	0
416	10/12/2010 14:56	STAIR RAIL	WOOD	D	FAIR	GREEN	J	1	EXTERIOR	Negative	0.06
417	10/12/2010 14:56	STAIR BALUSTER	WOOD	D	FAIR	GREEN	J	1	EXTERIOR	Negative	0
418	10/12/2010 15:15	WALL	DRYWALL	A	FAIR	WHITE	L	2	LAUNDRY	Negative	0
419	10/12/2010 15:15	WALL	DRYWALL	B	FAIR	WHITE	L	2	LAUNDRY	Negative	0
420	10/12/2010 15:15	WALL	DRYWALL	C	FAIR	WHITE	L	2	LAUNDRY	Negative	0
421	10/12/2010 15:15	WALL	DRYWALL	D	FAIR	WHITE	L	2	LAUNDRY	Negative	0
422	10/12/2010 15:16	WINDOW CASING	DRYWALL	C	FAIR	WHITE	L	2	LAUNDRY	Negative	0.01
423	10/12/2010 15:16	WINDOW SILL	DRYWALL	C	FAIR	WHITE	L	2	LAUNDRY	Negative	0
424	10/12/2010 15:16	COUNTER	DRYWALL	B	FAIR	WHITE	L	2	LAUNDRY	Negative	0.01
425	10/12/2010 15:16	DOOR	DRYWALL	B	FAIR	WHITE	L	2	LAUNDRY	Negative	0
426	10/12/2010 15:17	DOOR CASING	DRYWALL	B	FAIR	WHITE	L	2	LAUNDRY	Negative	0.01
427	10/12/2010 15:17	DOOR JAMB	DRYWALL	B	FAIR	WHITE	L	2	LAUNDRY	Negative	0.02
428	10/12/2010 15:17	DOOR	WOOD	A	FAIR	GREEN	L	2	LAUNDRY	Negative	0
429	10/12/2010 15:18	DOOR CASING	WOOD	A	FAIR	GREEN	L	2	LAUNDRY	Negative	0
430	10/12/2010 15:18	DOOR JAMB	WOOD	A	FAIR	GREEN	L	2	LAUNDRY	Negative	0
431	10/12/2010 15:19	WALL	DRYWALL	A	FAIR	WHITE	N	2	LAUNDRY	Negative	0
432	10/12/2010 15:20	WALL	DRYWALL	B	FAIR	WHITE	N	2	LAUNDRY	Negative	0.02
433	10/12/2010 15:20	WALL	DRYWALL	C	FAIR	WHITE	N	2	LAUNDRY	Negative	0
434	10/12/2010 15:20	WALL	DRYWALL	D	FAIR	WHITE	N	2	LAUNDRY	Negative	0
435	10/12/2010 15:20	WINDOW CASING	WOOD	C	FAIR	WHITE	N	2	LAUNDRY	Negative	0.02
436	10/12/2010 15:21	WINDOW SILL	WOOD	C	FAIR	WHITE	N	2	LAUNDRY	Negative	0
437	10/12/2010 15:21	COUNTER	WOOD	B	FAIR	WHITE	N	2	LAUNDRY	Negative	0.01

#	Time	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	BUILDING	FLOOR	ROOM	Results	PbC
438	10/12/2010 15:21	DOOR	WOOD	A	FAIR	GREEN	N	2	LAUNDRY	Negative	0
439	10/12/2010 15:21	DOOR CASING	WOOD	A	FAIR	GREEN	N	2	LAUNDRY	Negative	0
440	10/12/2010 15:22	DOOR JAMB	WOOD	A	FAIR	GREEN	N	2	LAUNDRY	Negative	0
441	10/12/2010 15:24			CALIBRATE						Positive	1
442	10/12/2010 15:24			CALIBRATE						Negative	0.9
443	10/12/2010 15:24			CALIBRATE						Positive	1.1



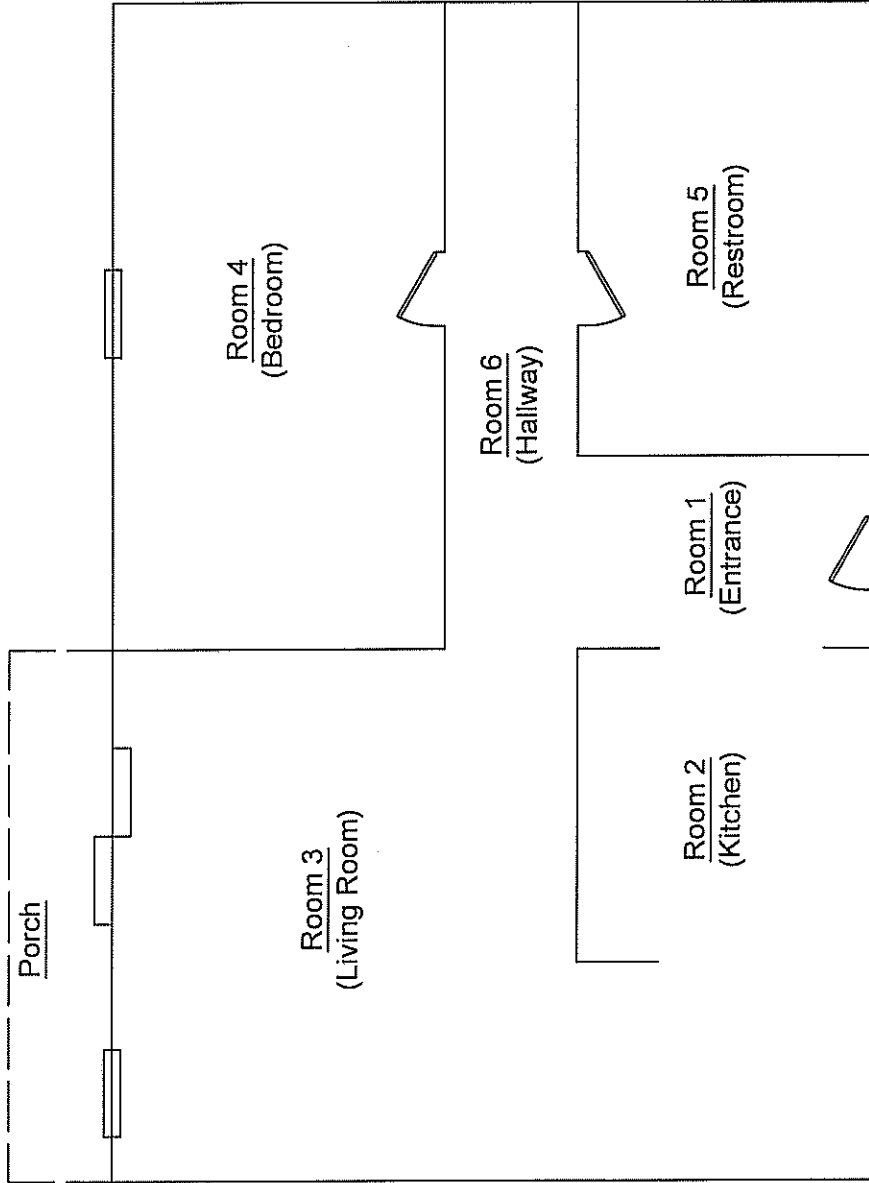
Appendix B

FLOOR PLAN

SIDE C

SIDE D

SIDE B



FLOOR PLAN
**One
Bedroom**

NOTE

DIRECTIONAL

By: Antonio Herrera



L A & B S
WATERPROOFING MATERIALS SERVICES

Project Name & Address
15517 NE 12th Street
Bellevue, WA 98007

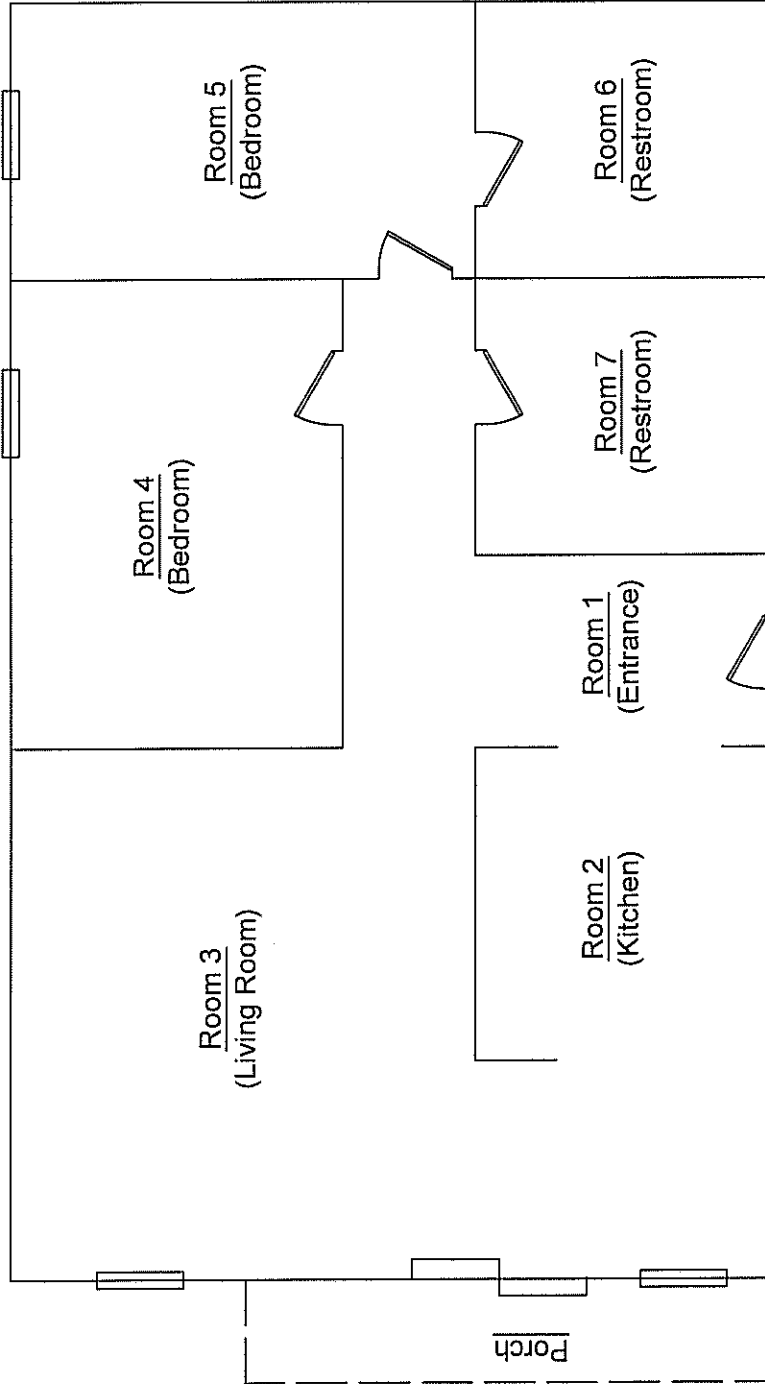
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Date	10/13/10		
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NDI To Scale			

SIDE C

SIDE B

SIDE D

SIDE A



FLOOR PLAN
Two
Bedroom

NOTE

DIRECTIONAL

By: Antonio Herrera



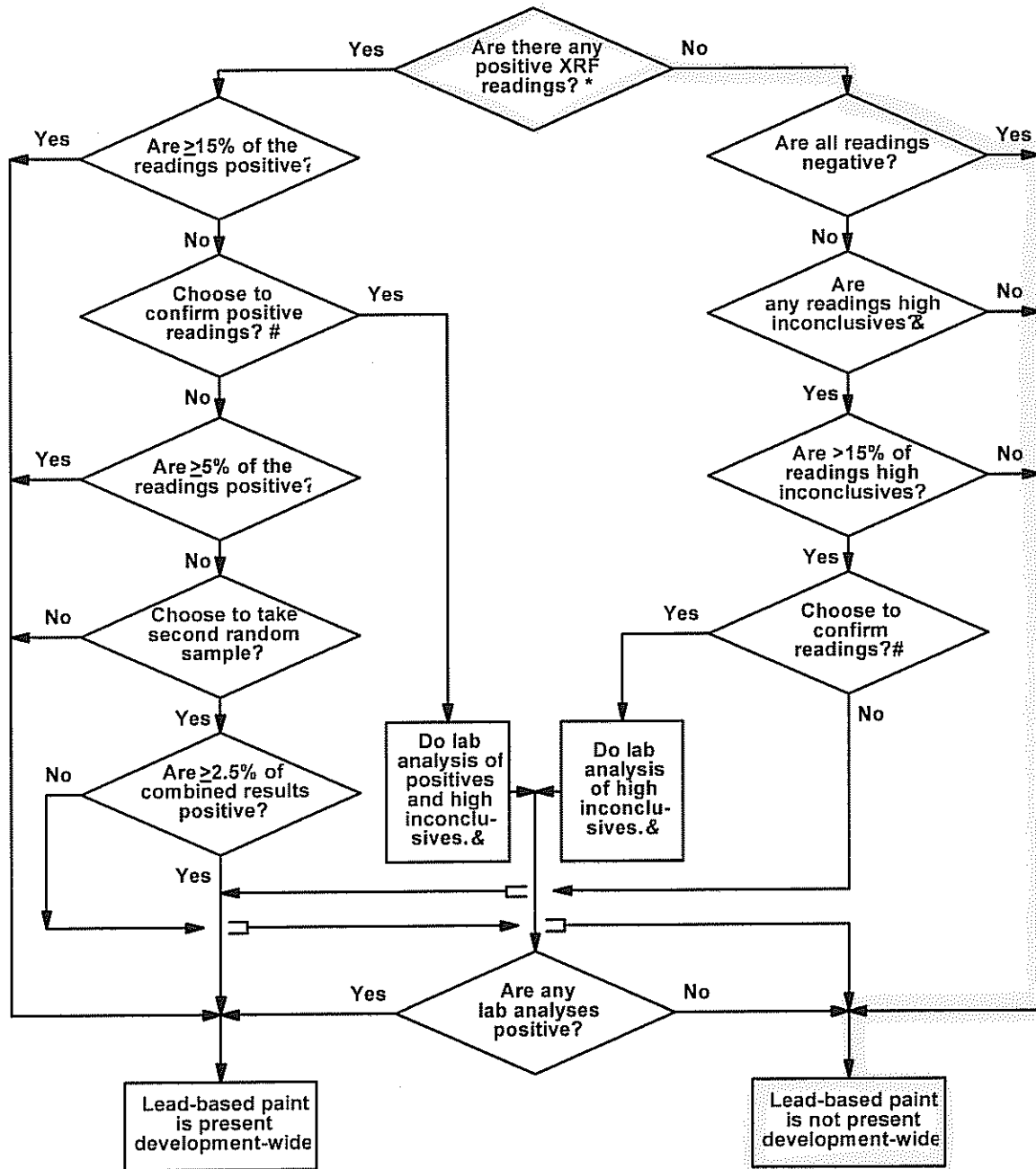
Project Name & Address
 15517 NE 12th Street
 Bellevue, WA 98007

Project 2010-636
 Date 10/13/10
 Scale Not To Scale
 Sheet 2/2



Appendix C

HUD MULTI-FAMILY FLOW CHART



* "Positive," "negative," and "inconclusive" XRF readings are determined in accordance with the XRF instrument's Performance Characteristics Sheet as described in the HUD Guidelines for the Evaluation and Control of Lead Hazards in Housing, chapter 7.

& A high inconclusive reading is an XRF reading at or above the midpoint of the inconclusive range. For example, if the inconclusive range is 0.41 to 1.39, its midpoint (average) is 0.90; a reading in the range from 0.90 to 1.39 would be a high inconclusive reading.

Any paint or coating may be assumed to be lead-based paint, even without XRF or laboratory analysis. Similarly, any XRF reading may be confirmed by laboratory analysis.

Figure 7.1 Multifamily Decision Flowchart



Appendix D

INSPECTOR'S CERTIFICATIONS & LABORATORY QUALIFICATIONS



STATE OF WASHINGTON

Department of Community, Trade and Economic Development
Lead-Based Paint Program

NVL Laboratories, Inc.

Has fulfilled the certification requirements of Washington Administrative code (WAC) 365-230 and has been certified to conduct lead-based paint activities pursuant to WAC 365-230-200:

<u>Certification #</u>	<u>Issuance Date</u>	<u>Expiration Date</u>
0291	2/19/2009	5/31/2012

STATE OF WASHINGTON

Department of Community, Trade and Economic Development
Lead-Based Paint Program

Antonio D. Herrera

Has fulfilled the certification requirements of Washington Administrative code (WAC) 365-230 and has been certified to conduct lead-based paint activities pursuant to WAC 365-230-200 as a

Risk Assessor

Certification # 0172 Issuance Date 9/5/2008 Expiration Date 9/8/2011

NITON LLC

Certificate of Achievement

Antonio Herrera
NVL Laboratories, Inc.

Has successfully completed the Manufacturer's Training Course
for the NITON Spectrum Analyzer and is now certified
in radiation safety and monitoring, measurement technology,
and machine maintenance of the NITON XRF Spectrum Analyzer.
(CIH's - The ABIH Awards 1 CM point; approval # 05-396)

A4061650823

Certificate Number

04/06/05 Seattle, WA

Date & Site of Course

Victoria J. Grogan

Training Coordinator

Kenneth R. Goff

Director of Training

STATE OF WASHINGTON

Department of Commerce

Lead-Based Paint Program

Tanveer E. Khan

Has fulfilled the certification requirements of Washington Administrative code (WAC) 365-230 and has been certified to conduct lead-based paint activities pursuant to WAC 365-230-200 as a

Inspector

Certification # 61110 Issuance Date 1/13/2010 Expiration Date 1/13/2013

61110

1/13/2010

1/13/2013

Radiation Safety and Operation of Niton XRF Analyzers

CUSTOMER TRAINING

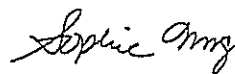
This is to certify that

Tanveer Khan

has successfully completed the one day Thermo Fisher Scientific Niton Analyzer Manufacturer's Training Course. The topics of this course include radiation safety, monitoring, device operation, and machine maintenance of the Niton XRF Analyzer.

(CIH's – The ABIH Awards 1 CM point, approval # 08-354)

Course date: 2009 November 3
Location: Seattle, WA
Certificate Number: 16:560038000000mj6Tg



Sophie Ung
Radiation Safety Training Coordinator



James Blute, CHP
Manager of Health and Safety

