WRE Form 42 Rev. 01/2020



### NOTICE TO BUYER: SELLER-PROCURED INSPECTION REPORT

	ice is given with resp	pect to the Purc	hase and Sale Ag	reement da	ated	
betweenand Priya Padmanabhan		Sundaram Narayanan				("Buyer") ("Seller")
concerning 748	Kirkland Cir	F103	Kirkland	WA 9	8033 ("tl	( Seller) he Property").
Seller has given o apply):	r is giving Buyer the	following Inspe	ction Report(s) c	oncerning t	he Property	(check all that
<ul><li>Sewer Inspe</li><li>Pest Inspe</li></ul>			-			
that is provided i Inspection Report only. The Inspecti the condition of inspectors choser	eport(s) are intendenthis transaction, value (s) were procured for the Report(s) are not the Property. Buy a by Buyer or hire to the Property to	whether or not by Seller and ar of intended to c er is advised t the inspectors t	the two docume re provided for in onstitute a warra to procure their hat prepared the	ents are at nformationa anty, either own insp	tached to ea al and disclo express or i ections from	sch other. The sure purposes mplied, about professional
Priya Padmanabha	. <b>h</b> 08/03/25		Sundaram 1	larayanan	08/02/25	
Seller		DATE	Seller			DATE
Buyer's Acknowle	edgment of Receipt					
The undersigned Report(s).	Buyer acknowledges	s receipt of the	foregoing Notice	and the ab	ove-referenc	ced Inspection
Buyer		DATE	Buyer			DATE

# Priya Padmanabhan and Sundaram Narayanan 748 Kirkland Circle F103 Kirkland, WA 98033

Per the seller, the following items listed on the pre-sale inspection summary dated 08/04/2025, are being corrected by the seller as part of preparation for sale in good faith.

### 1) The following actions items have been completed by seller as of 08/06/2025

Circuit breakers #5 and #7 corrected and repaired
Cover plate in front bedroom installed
Loose receptacles in bedroom and laundry room repaired
Electric baseboard repaired
Garbage disposal cord and drain line corrected
Drain stop in both bathrooms repaired or replaced
Running toilet in primary bath adjusted and now working properly
Toilet seat is now secured

August 5, 2025

Mr. Sundaram Narayanan & Ms. Priya Padmanabhan 746 Kirkland Circle #F-103 Kirkland, WA.

Re: 748 Kirkland Circle F-103 Kirkland. WA.

Dear Sundaram & Priya;

At your request, a visual inspection of the above referenced property was conducted on 08/04/2025. We have inspected the major structural components, plumbing, heating and electrical systems for signs of significant non-performance, excessive or unusual wear and general state of repair.

Clark Inspections inspectors, inspect all homes and buildings according to the stringent professional standards and code of ethics set forth by the American Society of Home Inspectors (ASHI). The ASHI standards are designed to identify and disclose to the client certain conditions of the major systems as these conditions exist at the time of the inspection. These standards are designed for a visual inspection of the readily accessible areas of the included system. A copy of these standards will be provided upon request or can be obtained by calling the ASHI automatic "Information-On-Demand" phone number at 1-800-743-2744

Home or building inspections performed under these standards should not be construed as a compliance inspection of any governmental or non-governmental codes or regulations. Inspections performed under these standards are essentially visual; are based on the experience and opinion of the inspector; and are not intended to be technically exhaustive. Inspections performed under these standards are not meant to be warranties nor guarantees of adequacy of performance of the structures, systems, or their component parts.

This inspection does not include an inspection for construction or other materials which might be hazardous to your health. It is possible that such materials may be present and not noted in this report.

This inspection does not include the testing or inspection of security systems, intercoms, communication systems, video, or sprinkler systems. These items are highly specialized and individualistic. Clark Inspections recommends that you have the seller and/or real estate agent/broker demonstrate the operation and serviceability of these systems to you prior to the closing of the sale.

Mechanical equipment is inspected for operability only and may contain undisclosed defects which may significantly impair it's usefulness.

Defects are examined and a determination is made on how a particular defect will affect interrelated building parts and whether immediate repairs are required.

Since all buildings have defects, it is important to know and understand what they are and how they affect the house and property. Some of the defects mentioned in this report may be quite typical, and found in other homes of comparable age and price. Some however, may not. We make our best attempt to distinguish this for you in both verbal and written reports.

#### REPORT SUMMARY

The comments in this report are categorized. General information is given on the type of materials and construction methods. Specific information is given pertaining to the condition of a component and applicable repair and maintenance work that may be required.

Statements, representations, or conclusions offered by the inspector are the considered opinion of the inspector, but these statements, representations, or conclusions do not constitute an expressed or implied warranty of any kind. Neither the inspector nor Clark Inspections shall be liable for any direct, special, incidental, or consequential damages under an circumstances whatsoever, whether arising in tort, negligence, or contract, nor for any loss, claim, expense, or damage caused by or arising out of his or its inspection of a structure, nor will the inspector or Clark Inspections indemnify or hold others harmless for any loss, claim, expense, or damage arising out of his or its inspection of a structure.

#### **ACTION ITEMS, SIGNIFICANT DEFECTS AND/OR HEALTH AND SAFETY ISSUES**

Non-operational (Action) items, safety or health issues, areas with limited viewing for proper inspection and components that do not serve their intended function (Significant Defects) are listed here. These items will likely require further evaluation and repair by licensed tradespeople.

Please Read entire report

#### **GENERAL INFORMATION**

### **GENERAL COMMENTS**

**RECOMMENDATIONS** 

The exterior of this building and the common areas, were not examined in detail except as specifically noted. All components of this building have a predictable life span. Funds for maintenance and replacement of these items should be held in a reserve account. Information on this account is contained in the "resale certificate. Review of this document is recommended prior to the closing of escrow.

#### **BUILDING EXTERIOR**

PORCH STEPS

The railing ends in the stairwell does not return to the wall. This is a safety hazard. The installation of a continuous handrail should be considered as a safety upgrade.



#### **ELECTRICAL SYSTEM**

MAIN DISCONNECT LOCATION

The electrical meters are not labeled. Each meter should be labeled to allow servicing and repair of each units electrical circuits and equipment without having to shut off power to all meters. The services of a qualified electrician should be retained to perform this service.



#### **OVER CURRENT PROTECTION**

The circuit breakers #5 & #7 in the panel would "trip" off when the baseboard heaters were tested. This is a hazard. A qualifled electrical contractor should be retained to repair the circuit.



#### **RECEPTACLES**

The cover plate is missing from a receptacle in the front bedroom. This is a shock and fire hazard. The installation of cover plates on all receptacles is recommended.



There are several loose receptacles both in the bedrooms and laundry room. This is a potential shock and a fire hazard. All loose receptacles should be repaired as necessary.



#### **ELECTRIC HEATING**

### **ELECTRIC HEATING**

ELECTRIC BASE BOARD HEATING

Electric baseboard heaters are used throughout the home for space heating. The heaters were not tested due to the breakers "tripping off" and their functions were not verified.

#### **KITCHEN**

#### GARBAGE DISPOSAL

The cord is not clamped where is enters the disposal. This could damage the wires or cause a ground fault. The cord should be clamped in accordance with industry standards.



The drain line from the air gap is not clamped where is connects to the disposal. The drain line should be clamped in accordance with industry standards.



#### **BATHROOMS**

HALLWAY BATHROOM

**BATHTUB** 

The drain stop is not operational. It should be repaired or replaced.

PRIMARY BATHROOM

SINK

The drain stop is not operational. It should be repaired or replaced.

#### **BATHTUB**

The drain stop is missing. Drain stop replacement is recommended.

#### **TOILET**

The toilet is running continuously. This condition wastes water. Repair of the toilet flush mechanism is recommended.

The seat is loose. It should be secured to the toilet bowl.

#### **INTERIOR**

#### **WINDOWS**

The vent stop for one of the bedroom windows is missing. The trickle vent is loose/damaged. We recommend repairs as necessary to restore the windows proper operation.



#### MAINTENANCE ITEMS AND/OR COMPONENTS NEARING THE END OF THEIR SERVICE LIFE

Any item that in the opinion of the inspector is nearing the end of its normal service life and/or conditions that need repair, maintenance and/or upgrades, but have not affected basic functions are listed herein.

#### **BUILDING EXTERIOR**

#### **PAINT**

The bottom edge of the lower sections of the Hardie Plank siding on the exterior are unprotected. Paint protects the siding from moisture absorption and its propensity to hold paint. Painting of the exposed edges is recommended.

#### **WATER HEATER**

#### EXPANSION TANK

The expansion tank is not adequately secured to the wall. As code requirements start to call for engineered expansion tank supports we recommend the installation of seismic restraints to secure the expansion tank instead of allowing it to simply depend on piping connections that could result in damage to the water pipe and leakage during an earthquake.



Several of these items will likely require further evaluation and repair by licensed tradespeople. Other minor items are also noted in the report and could be mentioned but none of them affect the habitability of the home.

Thank you for selecting our firm to do your home inspection. If you have any questions regarding the inspection report or the home, please feel free to call us.

Sincerely,

Terry Clark 206-660-9200 Clark Inspections

### Clark Inspections

3834 Golden Eagle Loop SE Olympia WA 98513 206-660-9200 clarkinspections@gmail.com

Report: Sundaram Narayanan & Priya Padmanabhan 2

# Confidential Inspection Report 748 Kirkland Circle F-103 Kirkland, WA 98053

August 4, 2025

Prepared for: Sundaram & Priya Narayanan & Padmanabhan

This report is the exclusive property of the inspection company and the client whose name appears herewith and its use by any unauthorized persons is prohibited.

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# **GENERAL INFORMATION**

#### **CLIENT & SITE INFORMATION:**

DATE OF INSPECTION: 8/4/2025.

INSPECTOR'S NAME: Terry Clark.

CLIENT NAME: Ms. Sundaram Narayanan & Mr. Priya Padmanabhan.

CLIENT E-MAIL ADDRESS sunnar@msn.com; priya21@hotmail.com.

ADDRESS OF PROPERTY 748 Kirkland Circle INSPECTED Unit # F-103 Kirkland, WA.



East entry



East building elevation

#### **CLIMATIC CONDITIONS:**

WEATHER: Overcast.

APPROXIMATE OUTSIDE 63 degrees.

#### **BUILDING CHARACTERISTICS:**

TEMPERATURE:

MAIN ENTRY FACES: East.

ESTIMATED AGE OF BUILDING: The building is approximately 38 years old.

BUILDING TYPE: Condo.

SPACE BELOW GRADE: Slab on grade.

### SCOPE. PURPOSE AND LIMITATIONS

CONDO

The purpose of this inspection was to discover and evaluate major defects, deficiencies and deferred maintenance found in the main components of this unit, the building and in the building site immediately around the building. A major defect or deficiency is a system or component that in the judgment of the inspector, would cost in excess of \$500.00 to repair or replace, is not performing it's intended function, or adversely affects the habitability of the dwelling or building. Defects are examined and a determination is

made on how a particular defect will affect interrelated building parts and whether immediate repairs are required.

The major components in this report are categorized. General information is given on the type of materials and construction methods. Specific information is given pertaining to the condition of a component and applicable repair and maintenance work that may be required.

Since all buildings have defects, it is important to know and understand what they are and how they affect the dwelling and property. Some of the defects mentioned in this report may be quite typical, and found in other structures of comparable age and price. Some, however, may not. We make our best attempt to distinguish this for you in both the verbal and written reports.

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Mechanical equipment is inspected for operability only and may contain undisclosed defects which may significantly impair it's usefulness.

Statements, representations, or conclusions offered by the inspector and/or by Clark Inspections are based solely upon a visual examination of the exposed areas of the structure inspected. Areas of the structure which are not exposed to the naked eye cannot be inspected, and no conclusions, representations, or statements offered by the inspector are intended to relate to areas not exposed to view. Hidden defects could have a significant impact on the visually based conclusions, statements, and representations made by the inspector.

Statements, representations, or conclusions offered by the inspector are the considered opinion of the inspector, but these statements, representations, or conclusions do not constitute an expressed or implied warranty of any kind. Neither the inspector nor Clark Inspections shall be liable for any direct, special, incidental, or consequential damages under any circumstances whatsoever, whether arising in tort, negligence, or contract, nor for any loss, claim, expense, or damage caused by or arising out of his or its inspection of a structure, nor will the inspector or Clark Inspections indemnify or hold others harmless for any loss, claim, expense, or damage arising out of his or its inspection of a structure.

If you receive information from another building inspection professional, contractor or trades person that is in conflict with ours, or if you discover a major defect in your home or building that was not described in your verbal or written reports, please call us immediately.

#### **GENERAL COMMENTS**

RECOMMENDATIONS

Certain building designs and/or building site topography may not qualify for earthquake insurance. Each company has its own underwriting policies. You should check with your insurance agent to determine whether or not your insurance company will write an earthquake policy on this property.

There may be information pertinent to this property which is a matter of public record. A search of public records is not within the scope of this inspection. We recommend you review all applicable public records that pertain to this property.

We make no representations as to the extent of presence of code violations, nor do we warrant the legal use of this building. This information can be obtained from the local building and/or zoning department.

The exterior of this building and the common areas, were not examined in detail except as specifically noted. All components of this building have a predictable life span. Funds for maintenance and replacement of these items should be held in a reserve account. Information on this account is contained in the "resale certificate. Review of this document is recommended prior to the closing of escrow.

A code is a system of rules and procedures, the purpose of which is to provide minimum standards to safeguard life, health, and property by regulating certain aspects of building design, construction, use and maintenance. Local codes are usually based on model codes. A community may amend or adopt only parts of a model code. These local codes may not always be the latest version of the model code. Code enforcement is nearly always a local government responsibility and is handled in several ways depending on the type of code and community involved. All model codes and most local codes, grant the code compliance inspector or building official the right to interpret the code to suit special situations. This makes the building official the final authority, not the code book.

Answering the question "Does this meet code?" depends on the building's age, when remodels and upgrades were performed and which codes if any are enforced. This information may not be readily available to the inspector. Private inspectors usually can determine if an item complies with applicable national model codes, if they know when the work was done and what code was applicable at that time. Local municipalities adopt and enforce national model codes at their discretion. Private building inspectors are typically not permitted to perform code compliance inspections. Code compliance inspections are typically performed by the local code enforcement official. Private building inspectors check to determine whether or not an item performs its intended function or is in need of repair.

Code enforcement usually is a local question and subject to the interpretation by the building code enforcement official. Most communities do not require an existing building to meet "code" prior to sale.

Specific code questions can be referred to the local building official. however, you must realize that if city inspectors check a building, they have the authority to require corrections of any violation. Private building inspectors act solely in an advisory capacity. Their objective reports are a tremendous benefit to anyone purchasing or selling real estate.

**BUILDING CODES** 

# **BUILDING SITE**

The evaluation of the building site and grounds includes grading, roof water and surface drainage systems, fencing, gates, walkways, curbs, driveways, patios, and retaining walls connected to or directly adjacent the structure. These items are visually examined for proper function, excessive or unusual wear and general state of repair. Components or portions of components may not be visible because of soil, vegetation, storage of personal effects and/or the nature of construction. In such cases these items are considered inaccessible and are not inspected. Lawn irrigation systems, fountains, and low voltage decorative garden lights are not included in this inspection.

### The following components were inspected:

ROOF WATER DRAIN SYSTEM

A below grade roof water drain system is used to divert rain water discharged from the downspouts away from the foundation wall. Below grade drain system designs vary and it is virtually impossible to evaluate the integrity of the system definitively, due to the fact that it is entirely underground. There is a high incidence of defects in these systems, due to the fact that historically, very few municipalities inspected or enforced design or quality standards.

Defects in these drain systems are one of the most common causes of water or moisture problems in garages, basements, crawlspaces and ground floor occupancies. Overflowing gutters and clogged downspouts and scuppers also frequently cause or exacerbate moisture or water entry problems in and around the building. When water entry or moisture problems are discovered we recommend checking the entire roof water drain system to insure that it is functioning properly.

Occasionally, (once a year) flushing out the drain lines with a garden hose will reduce the build-up of debris and sludge which could impede drainage. This type of maintenance is most effective if the end of the drain line terminates in open air or in a storm sewer. If the drain line terminates in a dry well or leach field, then the washing of debris down the line is not advisable. The debris may eventually clog the perforations in the line which allow the water to escape. This could render the drain system inoperative. It is always best to prevent debris from entering at the inlet.

The building site is well drained. The finish grade slopes away from the building. No evidence of recent building site flooding, drainage or soil stability problems was observed.

Dense shrubbery and trees planted too close to the building can damage siding and the roof overhang and interfere with drainage and air movement, thus promoting fungus growth and accelerated deterioration of exterior finishes and wood. Trees and shrubs in contact with the building also provide carpenter ants with a route into walls or attics. Trees and shrubs should be trimmed back, where required. When landscaping, trees and shrubs should be planted back away from the building so that they have room to grow.

The driveway and parking areas are paved with asphalt paving mix. The driveway and parking areas are in serviceable condition.

The concrete patio is properly installed and is performing its intended function.

There are minor cracks in the walkway, however, they do not affect it's functionality and it remains in serviceable condition.

Many legal and public works departments have defined a trip hazard as an irregularity in a walking surface exceeding one inch (1") in height. All walking surfaces should maintain, free of a vertical surface change of 3/4" or more, in the interest of public and personal safety.

GRADING

VEGETATION

DRIVEWAY

PATIO WALKWAY

# **BUILDING EXTERIOR**

The evaluation of the building exterior includes the paint, stain, siding, windows, doors, flashing, trim, fascia, eaves, soffits, decks, porches balconies and railings. These items are visually examined for proper function, excessive or unusual wear and general state of repair. Components or portions of components may not be visible because of soil, vegetation, storage of personal effects and/or the nature of construction. In such cases these items are considered inaccessible and are not inspected.

### The following components were inspected:

PRIMARY EXTERIOR **CLADDING** 

WALL Hardie Plank cement fiber siding is used as an exterior wall cladding. It is manufactured from Portland Cement, ground sand, cellulose fiber, select additives and water. It is a durable material that will not burn, rot or dent. It holds paint tenaciously. It comes with a limited 50 year, transferable product warranty. It is a very popular material due to its cost and durability. The siding has been properly installed and is functioning as intended.

CLADDING

SECONDARY EXTERIOR WALL Cedar channel siding is also used as an exterior wall cladding. Cedar is a wood that is durable and moderately resistant to decay. Maintaining the finish on the exposed siding will maximize its service life. The siding has been properly installed and is functioning

as intended.

The exterior wall flashings have been properly installed and are performing their **FLASHINGS** 

intended function.

PEST CONTROL Good building practice requires that foundation walls or pier footings supporting wood

frame construction, extend at least 8" above the finish grade with at least a 6" clearance between the top of the soil and the bottom of the wood finish materials. Soil in direct contact with wood creates a hospitable environment for wood destroying organisms.

These minimum standards should be maintained throughout the building exterior.

The roof lacks overhangs. Overhangs protect the exterior walls, windows, doors, siding SOFFITS AND OVERHANGS and exterior finish from the ravages of direct rainfall. Buildings without overhangs will

generally require more frequent exterior maintenance and are also more likely to suffer from moisture related problems in the exterior walls. Regular maintenance of gutters,

exterior finishes and caulking is recommended.

**GUTTERS AND DOWNSPOUTS** The downspouts are properly installed and are functioning as intended.

The bottom edge of the lower sections of the Hardie Plank siding on the exterior are **PAINT** 

unprotected. Paint protects the siding from moisture absorption and its propensity to hold paint. Painting of the exposed edges is recommended.

PORCH STEPS The stairs were used several times during the inspection. The stair components are

properly installed with exceptions noted below.

The railing ends in the stairwell does not return to the wall. This is a safety hazard. The installation of a continuous handrail should be considered as a safety upgrade.



**EXTERIOR DOORS** The exterior doors are properly installed and are functioning as intended.

# **ROOF**

We evaluate the condition of the roof system by inspecting the roofing material, skylights, flashings, penetrations and roof water drainage system for damage and deterioration. If we observe conditions such as damage, deterioration, defects in materials or workmanship, these items will be noted in your report. We may also offer opinions concerning repair and replacement. Opinions stated herein concerning the condition of the roof and roof service life are based on the condition of the roof system at the time of the inspection. These opinions do not constitute a warranty that the roof is, or will remain, free of leaks. All roof systems require annual maintenance and occasional repair. Failure to perform routine roof maintenance will usually result in leaks and accelerated deterioration of the roofing material. Our estimate of the life expectancy of the roof is based on the assumption that the roof will be properly repaired and maintained during that period.

#### The following components were inspected:

GENERAL COMMENTS

The roof was not accessible and therefore was not inspected.

# **ELECTRICAL SYSTEM**

An electrical system consists of the service, distribution, wiring and convenience outlets (switches, lights and receptacles). Our examination of the electrical system includes the exposed and accessible wiring, service panels, subpanels, overcurrent protection devices, light fixtures and all accessible wall receptacles. We look for adverse conditions such as improper installation of aluminum wiring, lack of grounding, overfusing, exposed wiring, open-air wire splices, reversed polarity and defective GFCIs. The hidden nature of the electrical wiring prevents inspection of every length of wire. Telephone, video, audio, security system and other low voltage wiring is not included in this inspection. We recommend you have the seller demonstrate the serviceability of these systems to you.

### The following components were inspected:

**ELECTRICAL SPECIFICATIONS** 

SYSTEM The voltage is 120/240 single phase three wire service. The power is delivered to this building via an underground service lateral. The amperage rating of this service is 100. Copper wire is used for all 120 volt circuits. Aluminum is used for some of the 240 volt circuits. Non-metallic sheathed cable (Romex) is the type of wiring used throughout the house. The grounding of the service is provided by two driven rods.

**UNDERGROUND** LATERAL

SERVICE The underground service lateral was not visible for inspection. However, there was 120/240 volt power to the building which suggests that it is functioning as intended.

SERVICE PANEL LOCATION

The service panel is located in the front bedroom.

MAIN DISCONNECT LOCATION

The main disconnect is located adjacent to the electric meter. The ampacity of the main disconnect is 100 amps.

The electrical meters are not labeled. Each meter should be labeled to allow servicing and repair of each units electrical circuits and equipment without having to shut off power to all meters. The services of a qualified electrician should be retained to perform this service.



ENTRANCE The service entrance conductors are #2 aluminum and have an ampacity of 100 amps. SERVICE CONDUCTORS/CABLES/RACEW The service entrance conductors are properly installed and in serviceable condition. AYS

SERVICE AMPACITY

The capacity of the electrical service is 100 amps. A 100 amp service is adequate for this home with the existing electrical equipment. There is also room to add additional

circuits if necessary.

SERVICE **GROUNDING** 

**BONDING** 

AND The service grounding electrode conductor attachment point was not visible for

inspection. The adequacy of the service ground was not determined. The evaluation of this connection may require removal of finish materials and is beyond the scope of this

inspection.

SERVICE PANEL

The electrical service panel is properly installed and in serviceable condition except where noted below.

The circuits are labeled. The accuracy of the labeling was not verified. Do not assume the labeled circuit is off unless it has been checked with a voltage tester.

OVER CURRENT PROTECTION

Circuit breakers are used for over current protection. The circuit breakers are properly installed and the ampacity of the connected wires is compatible with that of the circuit breakers.

The circuit breakers #5 & #7 in the panel would "trip" off when the baseboard heaters were tested. This is a hazard. A qualifled electrical contractor should be retained to repair the circuit.



WIRING ALUMINUM WIRING

**RECEPTACLES** 

There were no defects observed in the visible and accessible wiring.

This building uses stranded aluminum wire for service entrance conductors and for dedicated major appliance circuits. This type of aluminum wire circuitry is typically found in most building and is considered safe and reliable when installed correctly.

All of the readily accessible receptacles were tested. Testing revealed defects requiring repair. These defects are outlined below.

The cover plate is missing from a receptacle in the front bedroom. This is a shock and fire hazard. The installation of cover plates on all receptacles is recommended.

There are several loose receptacles both in the bedrooms and laundry room. This is a potential shock and a fire hazard. All loose receptacles should be repaired as necessary.





GFCI RECEPTACLES

A ground fault circuit interrupter (GFCI) is a device that detects ground faults (current leakage to ground). It protects you from electrocution. GFCI protection is required for receptacles in bathrooms, kitchens, garages, unfinished basements, crawlspaces and at exterior receptacles. GFCI protected receptacles were found in the bathrooms, kitchen, garage and exterior.

The reset button for the exterior GFCI protected receptacles is located in the primary bedroom bathroom.

AFCI RECEPTACLES

AFCI protection is required for all 15 and 20 amp branch circuits to have protection from the entire branch circuit when that circuit has outlets in dwelling family homes, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas.

Replacement receptacles are now required to be arc-fault circuit interrupter (AFCI) protected. This means that if you are replacing an old outlet in an old home in a location that needs AFCI protection in a new home, the replacement outlet needs to be AFCI protected.

**Report:** Sundaram Narayanan & Priya Padmanabhan 2 Address: 748 Kirkland Circle

-103

LUMINARIES All of the accessible luminaries were tested and were found to be functional.

SWITCHES All of the accessible switches were tested and were found to be properly wired and

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functional.

# **ELECTRIC HEATING**

Heat is provided by electric resistance heaters. Electric heat is 100% efficient as there is no waste heat of combustion gases as in fossil fuel burning furnaces. However, electric heaters are more expensive to operate than gas or oil fired heaters because electrical energy is more expensive per therm (i.e., unit of energy equal to 100,000 Btu). Each heating unit and/or heating zone is tested using existing operator controls. Information on heating uits is outlined below.

#### **ELECTRIC HEATING - The following components were inspected:**

ELECTRIC BASE HEATING BOARD Electric baseboard heaters are used throughout the home for space heating. The heaters were not tested due to the breakers "tripping off" and their functions were not verified

These heaters should be cleaned annually. To clean the heaters, turn off the power at the circuit breaker panel then remove the cover from the front of the heater. Use a paint brush to loosen the dirt and then vacuum it up.

# WATER HEATER

Our review of water heaters includes the tank, gas and/or water connections, electrical connections, venting and safety valves. These items are examined for proper function, excessive or unusual wear, leakage and general state of repair. The hidden nature of piping and venting prevents inspection of every pipe, joint, vent and connection.

### The following components were inspected:

LOCATION OF UNIT The water heater is located in the bedroom.

GENERAL INFORMATION The water heater is electric. The capacity of the water heater is 50 gallons. The water

heater is approximately 2 years old. Water heaters of this type typically last about 10-15

years.

PRESSURE RELIEF VALVE The pressure relief valve is properly installed. The valve was not tested, as this could

cause the valve to leak.

SHUTOFF VALVE The shutoff valve for the water supply to the water heater is properly installed and is

functioning as intended.

WATER CONNECTIONS

**TANK** 

**EXPANSION TANK** 

AT The water connections at the tank are properly installed and are performing their intended function.

The expansion tank is not adequately secured to the wall. As code requirements start to call for engineered expansion tank supports we recommend the installation of seismic restraints to secure the expansion tank instead of allowing it to simply depend on piping connections that could result in damage to the water pipe and leakage during an earthquake.



SEISMIC RESTRAINT

The water heater is secured to the wall. This prevents it from falling over during an earthquake and rupturing gas and water lines.

GENERAL COMMENTS The water heater is properly installed and is performing its intended function.

## **KITCHEN**

The kitchen was inspected for proper function of components, active leakage, excessive or unusual wear and general state of repair. We inspect built-in appliances using normal operating controls. This includes running the dishwasher, operating the garbage disposal and microwave and checking the burners or heating elements in the stove and oven. Accuracy and/or function of clocks, timers, temperature controls and self cleaning functions on ovens is beyond the scope of our testing procedure. Refrigerators are not tested or inspected unless specifically noted.

### The following components were inspected:

COUNTERTOPS The countertops are covered with slab quartz. The counter tops are properly installed

and are in good condition.

CABINETS The finish on the kitchen cabinets is slightly worn. The cabinets are otherwise in good

condition.

FLOORING MATERIAL The floor is covered with vinyl tile. The floor is properly installed and is in good

condition.

VENTILATION The microwave above the stove contains a fan that draws air through a grease filter and

then discharges it back into the kitchen. This type of fan is used for filtering grease from

smoke generated while cooking foods that contain animal fats or vegetable oil.

SINK FAUCET The sink faucet is properly installed and is in good condition.

SINK The kitchen sink is properly installed and is in good condition.

DRAINS, TRAPS AND TRAP The sink drain is properly installed and is performing its intended function.

**ARMS** 

AIR GAP An air gap is installed above the flood rim of the sink. This air gap protects the

dishwasher from contamination caused by a backflow of waste water. The visible

portions of the air gap were properly installed and functioning as intended.

RANGE The range was tested and was functioning as intended.

OVEN The oven was tested and was functioning as intended.

MICROWAVE The microwave oven was tested and was functioning as intended.

COOKTOP The cooktop elements were tested and were functioning as intended.

DISHWASHER The dishwasher is old and nearing the end of its service life, but is still functional.

GARBAGE DISPOSAL The garbage disposal was tested and was functioning as intended.

The cord is not clamped where is enters the disposal. This could damage the wires or cause a ground fault. The cord should be clamped in accordance with industry standards.

The drain line from the air gap is not clamped where is connects to the disposal. The drain line should be clamped in accordance with industry standards.



REFRIGERATOR The refrigerator is functioning as intended.

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# **BATHROOMS**

Our inspection of the bathrooms consists of testing of the plumbing fixtures for condition and function. Defects such as leaks, cracked or damaged sinks, tubs and toilets will be listed under the heading of the bathroom in which they were found. The bathroom floor, tub and shower walls are examined for water damage. Ventilation fans are tested for proper operation. Cabinets and countertops are examined for excessive wear and deterioration. Hydromassage tubs are tested and the pump and related equipment are examined when accessible.

#### **BATHROOM**

LOCATION Hallway.

BATHTUB The bathtub is properly installed and is in good condition.

The drain stop is not operational. It should be repaired or replaced.

TUB WALLS The tub walls are properly installed and are in good condition. Most ceramic tile is

applied directly over gypsum board rather than on a concrete board such as "Durock" or "Wonder Board". Where the tile is applied directly over the gypsum board, it is critical that the tile grout be maintained to prevent water intrusion behind the tile. Missing or cracked grout should be repaired. Inside corners, and penetrations in the tile should be

kept sealed with a high quality caulk.

FLOORING MATERIAL The floor is covered with vinyl tiles. The floor is properly installed and is in good

condition.

It is important to maintain the caulking around bathtubs and showers, especially at the intersection between the tub or shower and the floor. Failure to maintain this seal will

often result in damage to flooring materials, subflooring and framing.

TOILET The toilet was flushed and was functioning as intended.

SINK The bathroom sink is properly installed and is in good condition.

DRAINS. TRAPS AND TRAP The sink drain is properly installed and is performing its intended function.

**ARMS** 

FAUCET FIXTURES The faucet fixtures were tested and were functioning as intended.

CABINETS The bathroom cabinet is properly installed and is in good condition.

COUNTERTOP The countertops are covered with slab quartz. The counter tops are properly installed

and are in good condition.

VENTILATION Ventilation in this bathroom is provided by a ceiling fan. This fan was operated and was

found to be working satisfactorily.

GFCI RECEPTACLES GFCI protected receptacles were found in this bathroom.

**BATHROOM** 

LOCATION Primary Bedroom.

BATHTUB The bathtub is properly installed and is in good condition.

The drain stop is missing. Drain stop replacement is recommended.

TUB WALLS The tub walls are properly installed and are in good condition. Most ceramic tile is

applied directly over gypsum board rather than on a concrete board such as "Durock" or "Wonder Board". Where the tile is applied directly over the gypsum board, it is critical that the tile grout be maintained to prevent water intrusion behind the tile. Missing or cracked grout should be repaired. Inside corners, and penetrations in the tile should be

kept sealed with a high quality caulk.

FLOORING MATERIAL The floor is covered with vinyl tiles and carpet. The floor is properly installed and is in

good condition.

TOILET The toilet is running continuously. This condition wastes water. Repair of the toilet flush

mechanism is recommended.

The seat is loose. It should be secured to the toilet bowl.

Report: Sundaram Narayanan & Priya Padmanabhan 2 Address: 748 Kirkland Circle

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SINK The bathroom sink is properly installed and is in good condition.

The drain stop is not operational. It should be repaired or replaced.

DRAINS, TRAPS AND TRAP The sink drain is properly installed and is performing its intended function.

**ARMS** 

FAUCET FIXTURES The faucet fixtures were tested and were functioning as intended.

CABINETS The finish on the bathroom cabinet is slightly worn. The cabinet is otherwise in good

condition.

COUNTERTOP The countertops are covered with slab quartz. The counter tops are properly installed

and are in good condition.

VENTILATION Ventilation in this bathroom is provided by a ceiling fan. This fan was operated and was

found to be working satisfactorily.

GFCI RECEPTACLES A ground fault circuit interrupter (GFCI) is a device that detects ground faults (current

leakage to ground). It protects you from electrocution. GFCI protection is required for receptacles in bathrooms, kitchens, garages, unfinished basements, crawlspaces and at

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exterior receptacles. GFCI protected receptacles were found in this bathroom.

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# LAUNDRY ROOM

Appliances are tested when present and when circumstances allow.

### The following components were inspected:

FLOORING MATERIAL The floor is covered with vinyl tiles. The floor is properly installed and is in good

condition.

APPLIANCES The hookups for the washer are properly installed and in serviceable condition. The

washer itself was operated through a partial cycle, however we did not conform the

complete operation of the cycle timer.

The hookups for the dryer are properly installed and in serviceable condition. The dryer

itself was operated through a partial cycle, however we did not confirm the complete

operation of the cycle timer.

DRYER VENT The visible portions of the dryer vent are properly installed and in serviceable condition.

Dryer ducts should be cleaned annually as part of routine home maintenance. A dryer

duct that is clogged with lint is a fire hazard.

# **PLUMBING SYSTEM**

A plumbing system consists of the water heater, domestic water supply lines, drain, waste and vent lines and gas lines. Inspection of the plumbing system is limited to the water heater, visible faucets, fixtures, valves, drains, traps, exposed pipes and fittings. These items are examined for proper function, excessive or unusual wear, leakage, and general state of repair. Valves are not tested except where specifically noted. The hidden nature of piping prevents inspection of every pipe and joint. A sewer lateral test, necessary to determine the condition of the underground sewer lines, is beyond the scope of this inspection. If desired, a qualified individual could be retained for such a test. Our review of the plumbing system does not include landscape irrigation systems, off site community water supply systems or private (septic) waste disposal systems. Review of these systems should be performed by qualified and licensed specialists prior to the close of escrow.

### The following components were inspected:

PI UMBING **SPECIFICATIONS** 

SYSTEM The building is on a public water supply system. The building is connected to the municipal sewer system. Copper tubing is used for the water supply piping. ABS

plastic is used for the drain, waste and vent pipes.

WATER

MAIN WATER SHUTOFF VALVE The main water supply shutoff valve is located in the laundry room adjacent to the water

heater. It was tested and was functional.

MAIN WATER I INF

The main water line is buried underground and was not visible for inspection.

INTERIOR **PIPES** 

SUPPLY The visible portions of the copper water supply pipes are properly installed and functional. Copper is considered one of the most desirable materials for interior supply

pipes and is expected to last the lifetime of the building.

WATER PRESSURE

The water pressure is 75 PSI. This is in the normal range of 30-80 PSI.

DRAIN AND WASTE PIPES

ABS plastic is used for drain, waste and vent pipes. All of the visible drain pipes were properly installed and functional. ABS is a durable, reliable material and should last the lifetime of the building. All drain, waste and vent pipes were stress tested by filling bathtubs and fixtures to the overflow and then draining them while simultaneously flushing the toilet and running the sinks and showers. No leaks were observed and all fixtures emptied in a reasonable amount of time with no fluctuation in the rate of flow

down the drain. This is commonly referred to as "functional drainage".

VENT PIPES

The visible portions of the vent pipes are properly installed and are performing their

intended function.

**FAUCET FIXTURES** 

All faucet fixtures were tested and were functioning as intended.

SUPPLY PIPES

HOSE BIBBS AND EXTERIOR The hose bibbs on this building are the frost free type. These hose bibbs typically will not freeze as long as the hoses are removed. Failure to remove hoses during freezing weather could result in a cracked pipe and leakage. The bibbs were tested and were

functioning as intended.

## INTERIOR

Our review of the interior includes inspection of walls, ceilings, floors, doors, windows, cabinetry, countertops, steps, stairways, balconies and railings. These features are examined for proper function, excessive wear and general state of repair. In some cases, all or portions of these components may not be visible because of furnishings and personal effects. In such cases these items are not inspected.

### The following items were inspected:

WINDOWS

GENERAL COMMENTS The interior wall, floor, and ceiling surfaces were properly installed and generally in

serviceable condition, taking into consideration normal wear and tear.

FLOORS The floor is concrete. The finished surface of the floor prevented inspection of the

concrete. The concrete floor is performing its intended function.

WALLS AND CEILINGS There are minor cracks in the walls and/or ceilings. This is a common condition with

this type of construction and does not indicate a structural deficiency. The cracks can be repaired or painted over during routine maintenance. Cracks in drywall that have been repaired will often reoccur several months after the repairs have been completed.

This is due to seasonal movement of the structure caused by changes in humidity.

DOORS All of the doors were tested and were found to be functioning as intended.

CLOSET DOORS All of the closet doors were tested and were found to be functioning as intended.

The window frames are constructed from PVC and have insulated glass in them. All of the windows were tested and/or inspected. The windows are in good condition and are

functioning as intended except where noted below.

The vent stop for one of the bedroom windows is missing. The trickle vent is loose/damaged. We recommend repairs as necessary to restore the windows proper operation.



SMOKE DETECTORS

There is a smoke detector inside each of the bedrooms and in the living room outside of

the bedrooms.

DOOR BELL The doorbell was functioning as intended.

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# FIREPLACES, WOOD STOVES AND SPACE HEATERS

### The following components were inspected:

METAL FIREPLACES

The visible portion of the metal fireplace was evaluated. The fireplace is in good condition and no defects or deficiencies were observed.

**DAMPERS** 

The fireplace damper is functioning as intended. A fireplace damper that is left open when the fireplace is not being used allows huge quantities of heated air to escape up the chimney. Keeping your fireplace damper closed will result in a significant reduction in heating costs.

# **ENVIRONMENTAL ISSUES**

Environmental issues include but are not limited to carbon monoxide, radon, asbestos, lead paint, lead contamination, toxic waste, formaldehyde, electromagnetic radiation, buried fuel oil tanks, ground water contamination and soil contamination. The absence of a statement on any of the environmental issues listed above does not necessarily mean that they are not present. We make reference to these substances only when we recognize them during the normal inspection process. Most of the toxic substances listed above cannot be identified without laboratory testing. If further study or analysis seems prudent, the advice and services of the appropriate specialists are advised.

### The following items may exist in this building:

CARBON MONOXIDE

Many of us encounter CO regularly and never know it because it's invisible and odorless. That's why victims of CO poisoning often have no warning that they are in danger... until it's too late. Symptoms include headache, nausea, chronic fatigue, confusion and dizziness. Extreme exposure can even cause a coma or death.

Carbon monoxide is a product of incomplete (poor) combustion. It's a direct and cumulative poison. When combined with blood hemoglobin, CO replaces oxygen in the blood until it completely overcomes the body. Death from CO occurs suddenly. The victim inhaling the toxic concentration of the gas becomes helpless before realizing that danger exists.

According to the American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) (Ventilation Standard 62- 89), a concentration of no more than 9 parts per million (ppm) (0.0009%), of CO is permissible in residential living spaces. In addition, the Occupational Safety and Health Administration (OSHA) has set an eight-hour work place maximum of 35 ppm. And in flue gas, the Environmental Protection Agency (EPA) and the American Gas Association (AGA) have established the maximum allowable concentration of CO at 400 ppm (See charts).

To ensure safe and efficient combustion, it is imperative that all gas burning appliances be inspected and serviced regularly (once a year) if used in normal service conditions).

Formaldehyde, a colorless gas with a pungent odor, is so commonly used today that virtually everyone is likely to be exposed to at least small amounts of it, and a significant number of people are developing symptoms due to exposure to large amounts of formaldehyde in their homes or workplaces. It was an integral component of the urea formaldehyde foam insulation (UFFI) that was installed in more than five hundred thousand homes in the 1970's. (The use of formaldehyde in insulation was banned by the Consumer Product Safety Commission in 1982, but this ruling was overturned by a federal court in 1983.) In addition, it is present in a large variety of consumer products. It is a major part of the resins used as glue in particle board, plywood, and other pressed wood products used extensively in the construction of homes and furniture. Some cosmetics, paper towels, upholstery, permanent press fabrics, carpets, milk, toilet seats, pesticides, and explosives contain it too. Formaldehyde is also present in the exhaust from combustion appliances and in tobacco smoke.

The most common symptoms of excessive formaldehyde exposure are burning eyes, itching, shortness of breath, tightness in the chest, coughing, headaches, nausea, and asthma attacks. Large amounts of the gas have produced cancer in laboratory animals, and government policy assumes that any substance that can cause cancer in animals may also cause it in humans.

People who live in homes that have been "tightened" for maximum energy conservation are most likely to suffer from the effects of formaldehyde gas. The formaldehyde gas seeps from the walls, furniture, carpet, etc. into the air, building up to high levels in the "tightened" home, which can be irritating, particularly to sensitive people.

To minimize your exposure to formaldehyde, ventilate your home - in good weather, open the windows to provide a constant supply of fresh air. Some methods of heat recovery, such as heat recovery ventilators (also known as air-to-air heat exchangers),

**FORMALDEHYDE** 

are available that can ventilate the home while also conserving energy.

You can seal exposed, raw surfaces of particle board and plywood with oil enamel, varnish, wallpaper, or vinyl floor coverings. If you have UFFI insulation, make certain it is completely sealed in the walls or, as a last resort, have it removed.

Asbestos is a naturally occurring mineral fiber that has been used in more than 3,000 different construction materials and manufactured products. It is commonly found in heating system insulation, decorative spray-on ceiling treatments, vinyl flooring, cement shake siding and a variety of additional materials. Some asbestos-containing materials were still being installed into the late 1980s.

The asbestos content of different materials varies according to the product and how it is used. Among those materials with higher concentrations of asbestos are insulating products on heating systems and the backing on sheet vinyl flooring. However, an uncontrolled disturbance of any asbestos-containing material in any concentration may be dangerous to your health!

Why is it a problem? Breathing asbestos fibers could kill you. When disturbed, asbestos breaks down into fibers up to 1,200 times thinner than a human hair. When inhaled, they become trapped in lung tissues. Medical research tells us that up to 30 years after inhalation, asbestos fibers can cause lung cancer or mesothelioma, a related terminal cancer of the tissue lining the chest cavity.

Because asbestos is a naturally occurring mineral and has been so widely used in manufactured products, including automobile brake linings, it can be found almost everywhere. Trace amounts are in the air we breathe every day. Most of us have asbestos fibers in our lungs.

On the other hand, there's no known safe level of asbestos exposure. That's why medical, environmental health and regulatory organizations stress the need to protect health by minimizing exposure to airborne asbestos fibers. This is particularly true when asbestos fibers accumulate at elevated levels. Elevated levels result from uncontrolled disturbances and removal of asbestos-containing materials.

How do I know if it's asbestos? Don't guess! Look for asbestos markings on the product or track the product back to its manufacturer or supplier. If these approaches don't work, submit a small sample for laboratory analysis. Cost is minimal. Laboratories are listed in the yellow pages under "Asbestos - Consulting and Testing." Ask a laboratory technician to instruct you how to safely take a sample. If you decide not to check for asbestos in a suspected material, you should assume it contains asbestos and treat it accordingly.

**ASBESTOS** 

# **INSULATION**

Insulation, weatherstripping, dampers, storm windows, insulated glass and set-back thermostats are features that help reduce heat loss and increase the comfort and thermal efficiency of your home. We examine these items and identify approximate R values for insulation. When appropriate, we offer suggestions for upgrading. Our review of insulation is based upon a random sampling of accessible areas and does not constitute a warranty that all such areas are uniformly insulated or are insulated to current standards.

### The following items were inspected:

WALL INSULATION

The walls are insulated with fiberglass batt insulation. The 2x4 walls suggest that it is 3-1/2" R-11 fiberglass.

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# **STRUCTURE**

The structural elements of most residential buildings include a foundation, footings, floor, wall, ceiling and roof framing. The visible portions of these items are examined for proper function, wear, deterioration or signs of non-performance. Some structural components or portions of them are inaccessible because they are buried below grade or hidden behind finished surfaces. Therefore, much of the structural inspection is performed by identifying resultant symptoms of movement, damage and deterioration. Where there are no visible symptoms, components or conditions requiring repair may go undetected and identification will not be possible. We make no representations as to the internal conditions or stabilities of soils, concrete footings and foundations, except as exhibited by their performance.

### The following components were inspected:

GENERAL INFORMATION

The foundation is constructed from poured in place concrete. A perimeter foundation

wall supports the exterior walls of the building. Interior load bearing components are supported by pier footings and/or continuous spread footings. The lower floor is a concrete slab. The upper floors are constructed out of wood joists. The subfloor is oriented strand board (OSB). The stud walls are constructed from 2 X 4 dimensional

lumber. The exterior wall sheathing is oriented strand board (OSB).

FOUNDATION The foundation is constructed in a manner typical of buildings of this type and age. No

defects were observed.

MUDSILL The mudsill is typically a 2x4 or 2x6 member that is laid flat directly on the top of or cast

into the top of the foundation wall. The mudsill is usually bolted to the foundation wall and serves as a base for the rest of the floor framing. In this building, the mudsill is inaccessible and cannot be evaluated. There was no evidence present that would

suggest that there are defects in this component.

ANCHOR BOLTS Anchor bolts are bolts that are cast into the top of the concrete foundation and retain the

mudsill. Anchor bolts primary function in this area, is to prevent the building from being displaced from its foundation during an earthquake. Anchor bolts have grown in diameter over the years as have the nuts and washers that retain the mudsill. Generally speaking, the newer the building, the better resistance it will have to seismic activity. Due to the design of this building, anchor bolts are not visible and could not be

evaluated.

FLOOR JOISTS The floor joists are covered with finished surfaces and therefore were not visible for

inspection. There was no evidence present suggesting that defects or deficiencies are

present.

SUBFLOORING The subfloor was covered with insulation and finished surfaces and was not visible for

inspection. There was no evidence present suggesting that defects or deficiencies are

present.

WALLS The walls are covered with finished surfaces and therefore were not visible for

inspection. No evidence of defects or deficiencies was observed.

ROOF STRUCTURE

The roof framing was not visible for inspection. An inspection of the roof and ceilings did

not reveal evidence that would suggest that defects are present.

CARPORT The carport is a steel frame structure built on concrete pier footings. The carport roof

structure is constructed in a manner typical of carports of this type and age. No major defects or deficiencies were observed and the carport is performing its intended

function.