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RESIDENTIAL REPORT

2100 Whitehall Rd Frederick, MD 21702

Example Client SEPTEMBER 28, 2022



Inspector

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SUMMARY





- 2.2.1 Exterior Siding, Flashing & Trim: Loose Boards
- 2.3.1 Exterior Exterior Doors: Weatherstripping Not Present
- 2.4.1 Exterior Decks, Balconies, Porches & Steps: Deck Water Sealant Required
- △ 2.4.2 Exterior Decks, Balconies, Porches & Steps: Improper Deck Construction Practices
- 2.6.1 Exterior Vegetation, Grading, Drainage & Retaining Walls: Negative Grading
- 3.1.1 Roof Coverings: Kick-out Flashing
- 4.1.1 Basement, Foundation, Crawlspace & Structure Foundation: Foundation Cracks Minor
- 5.1.1 Heating Equipment: Age
- 6.1.1 Cooling Cooling Equipment: Insulation Missing or Damaged
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- 7.4.1 Plumbing Hot Water Systems, Controls, Flues & Vents: No Drip Pan
- 7.5.1 Plumbing Sump Pump: Improper Installation
- 7.6.1 Plumbing Bathroom: Shower caulking

8.2.1 Electrical - Main & Subpanels, Service & Grounding, Main Overcurrent Device: Neutral wires sharing lugs

○ 11.1.1 Doors, Windows & Interior - Doors: Poor Weather-stripping

1: INSPECTION DETAILS

Information

In Attendance

Client

Temperature (approximate)

75 Fahrenheit (F)

Occupancy

Furnished

Type of Building

Single Family

Style

Multi-level

Weather Conditions

Clear, Dry

2: EXTERIOR

Information

General: Inspection Method

Visual, Attic Access

Exterior Doors: Exterior Entry

Door

Fiberglass

Decks, Balconies, Porches & Steps: Appurtenance

Deck with Steps

Decks, Balconies, Porches &

Steps: Material

Wood

Walkways, Patios & Driveways:

Driveway Material

Concrete

Siding, Flashing & Trim: Siding Material

Vinyl





Eaves, Soffits & Fascia: Eaves, Soffits, and Fascia







Deficiencies

2.2.1 Siding, Flashing & Trim





One or more siding/trim pieces were loose, which could result in moisture intrusion. Recommend a qualified siding contractor secure and fasten.

Recommendation

Contact a qualified siding specialist.



2.3.1 Exterior Doors

WEATHERSTRIPPING NOT PRESENT



Door is missing standard weatherstripping. This can result in significant energy loss and moisture intrusion. Recommend installation of standard weatherstripping.

Here is a DIY guide on weatherstripping.

2.4.1 Decks, Balconies, Porches & Steps

DECK - WATER SEALANT REQUIRED



Deck is showing signs of weathering and/or water damage. Recommend power washing and water sealant/weatherproofing be applied.

Here is a helpful article on staining & sealing your deck.

Recommendation

Contact a qualified handyman.





2.4.2 Decks, Balconies, Porches & Steps



IMPROPER DECK CONSTRUCTION PRACTICES

Deck support beam is UNSAFE. Recommend immediate evaluation by a qualified carpenter/ deck contractor.

Recommendation

Contact a qualified deck contractor.



2.6.1 Vegetation, Grading, Drainage & Retaining Walls



NEGATIVE GRADING

Grading is sloping towards the home in some areas. This could lead to water intrusion and foundation issues. Recommend qualified landscaper or foundation contractor regrade so water flows away from home.

Here is a helpful article discussing negative grading.

Recommendation

Recommend monitoring.



3: ROOF

Information

Roof Type/Style Gable

Roof Drainage Systems: Gutter Material Aluminum



Flashings: MaterialAluminum

Inspection Method

Ladder





Approximate Age of Roof

The roof is made of architectural asphalt shingles with an expected service life of 30 years from the manufacturer. The current age of the roof is 10-15 years old and appears to be without leaks

Coverings: Material

Asphalt









Skylights, Chimneys & Other Roof Penetrations: Chimney





Skylights, Chimneys & Other Roof Penetrations: Roof vent boots





Deficiencies

3.1.1 Coverings



KICK-OUT FLASHING

Recommend installing kick-out flashing where the roof edge meets the side of the house.

Recommendation

Contact a qualified gutter contractor



4: BASEMENT, FOUNDATION, CRAWLSPACE & STRUCTURE

Information

Inspection Method

Visual

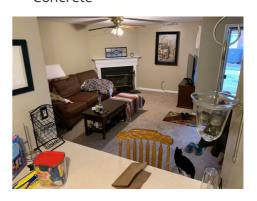
Foundation: Material

Concrete

Floor Structure:

Basement/Crawlspace Floor

Concrete



Floor Structure: Material Floor Structure: Sub-floor

Slab

Inaccessible

Deficiencies

4.1.1 Foundation

FOUNDATION CRACKS - MINOR



Minor cracking was noted at the foundation. This is common as concrete ages and shrinkage surface cracks are normal. Recommend monitoring for more serious shifting/displacement.

Here is an informational article on foundation cracks.

Recommendation

Contact a qualified masonry professional.





5: HEATING

Information

Built in 1987

Thermostat

Thermostat is located in dining room hallway.



Equipment: Brand

Rheem

Equipment: Energy Source

Electric

Equipment: Heat TypeHeat Pump

Distribution Systems: DuctworkInsulated, Non-insulated

AFUE Rating

78

AFUE (Annual fuel utilization efficiency) is a metric used to measure furnace efficiency in converting fuel to energy. A higher AFUE rating means greater energy efficiency. 90% or higher meets the Department of Energy's Energy Star program standard.



Deficiencies

5.1.1 Equipment

AGE



The age of the unit is past it's expected service life

Recommendation

Contact a qualified HVAC professional.

6: COOLING

Information

Cooling Equipment: Brand

Carrier

Cooling Equipment: Electrical

Disconnect

Location of disconnect for HVAC compressor

Cooling Equipment: Energy

Source/Type

Electric

Distribution System:

Configuration

Split

Cooling Equipment: Location

Patio Area

Deficiencies

6.1.1 Cooling Equipment

INSULATION MISSING OR DAMAGED



Missing or damaged insulation on refrigerant line can cause energy loss and condensation.



6.1.2 Cooling Equipment

CORROSION



Recommendation

Contact a qualified HVAC professional.



6.1.3 Cooling Equipment

AGE

Unit built in 1987. It is past its expected life expectancy.

Recommendation

Contact a qualified HVAC professional.



7: PLUMBING

Information

FiltersUnknown

Water Source Public Main Water Shut-off Device: Location Basement



Drain, Waste, & Vent Systems:
Drain Size
2"

Drain, Waste, & Vent Systems: MaterialCopper, PVC

Drain, Waste, & Vent Systems: Master Bath Sink DrainBathroom

Not leaking at this time



Drain, Waste, & Vent Systems: Guest Bath Sink Drain

Bathroom

Not leaking at this time



Bathroom

not leaking at this time.



Not leaking at this time





Hot Water Systems, Controls,

Basement

Water Supply, Distribution **Systems & Fixtures: Distribution** Material Copper

Water Supply, Distribution Systems & Fixtures: Water Supply Flues & Vents: Location Material Copper

Hot Water Systems, Controls, Flues & Vents: Power Source/Type Electric

Hot Water Systems, Controls, Flues & Vents: Age The water heater was manufactured in 2019.

Sump Pump: Location Basement, Under Stairs

Bathroom: Sink



Bathroom: Shower



Drain, Waste, & Vent Systems: Master Bath Toilet

Bathroom

Not leaking at this time.





Hot Water Systems, Controls, Flues & Vents: Capacity

50 gallons





Hot Water Systems, Controls, Flues & Vents: Manufacturer

Rheem

I recommend flushing & servicing your water heater tank annually for optimal performance. Water temperature should be set to at least 120 degrees F to kill microbes and no higher than 130 degrees F to prevent scalding.

Here is a nice maintenance guide from Lowe's to help.

Bathroom: Toilet





Deficiencies

7.4.1 Hot Water Systems, Controls, Flues & Vents



NO DRIP PAN

No drip pan was present. Recommend installation by a qualified plumber.



7.5.1 Sump Pump

IMPROPER INSTALLATION

Sump pump is missing the cover.

Recommendation

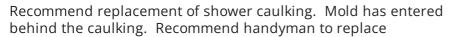
Contact a qualified handyman.





7.6.1 Bathroom

SHOWER CAULKING



Recommendation

Contact a qualified professional.



8: ELECTRICAL

Information

Service Entrance Conductors: Electrical Service Conductors Below Ground, 220 Volts



Service Entrance Conductors: Electrical - Main Shut off



Main & Subpanels, Service & Grounding, Main Overcurrent
Device: Main Panel Location
Hallway



Main & Subpanels, Service & Grounding, Main Overcurrent Device: Panel Capacity
125 AMP



Main & Subpanels, Service & Grounding, Main Overcurrent

Device: Panel Manufacturer

Cutler Hammer

Main & Subpanels, Service & Grounding, Main Overcurrent Device: Panel Type
Circuit Breaker

Branch Wiring Circuits, Breakers & Fuses: Branch Wire 15 and 20 AMP Branch Wiring Circuits, Breakers & Fuses: Wiring Method

Romex

Copper

GFCI & AFCI: GFCI Testing







Deficiencies

8.2.1 Main & Subpanels, Service & Grounding, Main Overcurrent Device



NEUTRAL WIRES SHARING LUGS

Neutral wires are sharing the same lugs in the main service panel. A loose connection could result in fire.

Recommendation

Contact a qualified electrical contractor.



9: FIREPLACE

Information

TypeWood



Vents, Flues & Chimneys: Damper



10: ATTIC, INSULATION & VENTILATION

Information

Dryer Power Source 110 Volt



Ventilation: Ventilation TypeSoffit Vents, Ridge Vents

Attic Insulation: Insulation TypeBlown

Attic Insulation: R-value

38



Exhaust Systems: Exhaust FansFan Only

Dryer VentMetal (Flex)





11: DOORS, WINDOWS & INTERIOR

Information

Windows: Window Manufacturer Countertops & Cabinets:

Unknown

Countertops & Cabinets: Cabinetry Laminate Countertops & Cabinets: Countertop Material Laminate

Doors: Exterior Doors







Doors: Interior Doors









Windows: Window Type

Double-hung











Floors: Floor Coverings Carpet, Vinyl



Walls: Wall MaterialDrywall



Ceilings: Ceiling MaterialGypsum Board, Popcorn







Deficiencies

11.1.1 Doors

POOR WEATHER-STRIPPING



At the time of the inspection, weather-stripping at interior doors was generally damaged or deteriorated. The Inspector recommends replacement/installation of effective weather-stripping components as necessary by a qualified contractor.



12: BUILT-IN APPLIANCES

Information

Dishwasher: BrandKenmore



Refrigerator: BrandFrigidaire



Range/Oven/Cooktop: Exhaust Hood Type Vented

Range/Oven/Cooktop: Range/Oven Brand Unknown



Range/Oven/Cooktop: Range/Oven Energy Source Electric

Garbage Disposal: 1/2 HP Disposal



STANDARDS OF PRACTICE

Exterior

4.1 The inspector shall: A. inspect: 1. wall coverings, flashing, and trim. 2. exterior doors. 3. attached and adjacent decks, balconies, stoops, steps, porches, and their associated railings. 4. eaves, soffits, and fascias where accessible from the ground level. 5. vegetation, grading, surface drainage, and retaining walls that are likely to adversely affect the building. 6. adjacent and entryway walkways, patios, and driveways. B. describe wall coverings. 4.2 The inspector is NOT required to inspect: A. screening, shutters, awnings, and similar seasonal accessories. B. fences, boundary walls, and similar structures. C. geological and soil conditions. D. recreational facilities. E. outbuildings other than garages and carports. F. seawalls, break-walls, and docks. G. erosion control and earth stabilization measures.

Roof

I. The inspector shall inspect from ground level or the eaves: A. the roof-covering materials; B. the gutters; C. the downspouts; D. the vents, flashing, skylights, chimney, and other roof penetrations; and E. the general structure of the roof from the readily accessible panels, doors or stairs. II. The inspector shall describe: A. the type of roof-covering materials. III. The inspector shall report as in need of correction: A. observed indications of active roof leaks. IV. The inspector is not required to: A. walk on any roof surface. B. predict the service life expectancy. C. inspect underground downspout diverter drainage pipes. D. remove snow, ice, debris or other conditions that prohibit the observation of the roof surfaces. E. move insulation. F. inspect antennae, satellite dishes, lightning arresters, de-icing equipment, or similar attachments. G. walk on any roof areas that appear, in the inspectors opinion, to be unsafe. H. walk on any roof areas if doing so might, in the inspector's opinion, cause damage. I. perform a water test. J. warrant or certify the roof. K. confirm proper fastening or installation of any roof-covering material.

Basement, Foundation, Crawlspace & Structure

I. The inspector shall inspect: A. the foundation; B. the basement; C. the crawlspace; and D. structural components. II. The inspector shall describe: A. the type of foundation; and B. the location of the access to the under-floor space. III. The inspector shall report as in need of correction: A. observed indications of wood in contact with or near soil; B. observed indications of active water penetration; C. observed indications of possible foundation movement, such as sheetrock cracks, brick cracks, out-of-square door frames, and unlevel floors; and D. any observed cutting, notching and boring of framing members that may, in the inspector's opinion, present a structural or safety concern. IV. The inspector is not required to: A. enter any crawlspace that is not readily accessible, or where entry could cause damage or pose a hazard to him/herself. B. move stored items or debris. C. operate sump pumps with inaccessible floats. D. identify the size, spacing, span or location or determine the adequacy of foundation bolting, bracing, joists, joist spans or support systems. E. provide any engineering or architectural service. F. report on the adequacy of any structural system or component.

Heating

I. The inspector shall inspect: A. the heating system, using normal operating controls. II. The inspector shall describe: A. the location of the thermostat for the heating system; B. the energy source; and C. the heating method. III. The inspector shall report as in need of correction: A. any heating system that did not operate; and B. if the heating system was deemed inaccessible. IV. The inspector is not required to: A. inspect or evaluate the interior of flues or chimneys, fire chambers, heat exchangers, combustion air systems, fresh-air intakes, humidifiers, dehumidifiers, electronic air filters, geothermal systems, or solar heating systems. B. inspect fuel tanks or underground or concealed fuel supply systems. C. determine the uniformity, temperature, flow, balance, distribution, size, capacity, BTU, or supply adequacy of the heating system. D. light or ignite pilot flames. E. activate heating, heat pump systems, or other heating systems when ambient temperatures or other circumstances are not conducive to safe operation or may damage the equipment. F. override electronic thermostats. G. evaluate fuel quality. H. verify thermostat calibration, heat anticipation, or automatic setbacks, timers, programs or clocks.

Cooling

I. The inspector shall inspect: A. the cooling system, using normal operating controls. II. The inspector shall describe: A. the location of the thermostat for the cooling system; and B. the cooling method. III. The inspector shall report as in need of correction: A. any cooling system that did not operate; and B. if the cooling system was deemed inaccessible. IV. The inspector is not required to: A. determine the uniformity, temperature, flow, balance, distribution, size, capacity, BTU, or supply adequacy of the cooling system. B. inspect portable window units, through-wall units, or electronic air filters. C. operate equipment or systems if the exterior temperature is below 65 Fahrenheit, or when other circumstances are not conducive to safe operation or may damage the equipment. D. inspect or determine thermostat calibration, cooling anticipation, or automatic setbacks or clocks. E. examine electrical current, coolant fluids or gases, or coolant leakage.

Plumbing

I. The inspector shall inspect: A. the main water supply shut-off valve; B. the main fuel supply shut-off valve; C. the water heating equipment, including the energy source, venting connections, temperature/pressure-relief (TPR) valves, Watts 210 valves, and seismic bracing; D. interior water supply, including all fixtures and faucets, by running the water; E. all

toilets for proper operation by flushing; F. all sinks, tubs and showers for functional drainage; G. the drain, waste and vent system; and H. drainage sump pumps with accessible floats. II. The inspector shall describe: A. whether the water supply is public or private based upon observed evidence; B. the location of the main water supply shut-off valve; C. the location of the main fuel supply shut-off valve; D. the location of any observed fuel-storage system; and E. the capacity of the water heating equipment, if labeled. III. The inspector shall report as in need of correction: A. deficiencies in the water supply by viewing the functional flow in two fixtures operated simultaneously; B. deficiencies in the installation of hot and cold water faucets; C. mechanical drain stops that were missing or did not operate if installed in sinks, lavatories and tubs; and D. toilets that were damaged, had loose connections to the floor, were leaking, or had tank components that did not operate. IV. The inspector is not required to: A. light or ignite pilot flames. B. measure the capacity, temperature, age, life expectancy or adequacy of the water heater. C. inspect the interior of flues or chimneys, combustion air systems, water softener or filtering systems, well pumps or tanks, safety or shut-off valves, floor drains, lawn sprinkler systems, or fire sprinkler systems. D. determine the exact flow rate, volume, pressure, temperature or adequacy of the water supply. E. determine the water quality, potability or reliability of the water supply or source. F. open sealed plumbing access panels. G. inspect clothes washing machines or their connections. H. operate any valve. I. test shower pans, tub and shower surrounds or enclosures for leakage or functional overflow protection. J. evaluate the compliance with conservation, energy or building standards, or the proper design or sizing of any water, waste or venting components, fixtures or piping. K. determine the effectiveness of anti-siphon, backflow prevention or drain-stop devices. L. determine whether there are sufficient cleanouts for effective cleaning of drains. M. evaluate fuel storage tanks or supply systems. N. inspect wastewater treatment systems. O. inspect water treatment systems or water filters. P. inspect water storage tanks, pressure pumps, or bladder tanks. Q. evaluate wait time to obtain hot water at fixtures, or perform testing of any kind to water heater elements. R. evaluate or determine the adequacy of combustion air. S. test, operate, open or close: safety controls, manual stop valves, temperature/pressure-relief valves, control valves, or check valves. T. examine ancillary or auxiliary systems or components, such as, but not limited to, those related to solar water heating and hot water circulation. U. determine the existence or condition of polybutylene plumbing. V. inspect or test for gas or fuel leaks, or indications thereof.

Electrical

I. The inspector shall inspect: A. the service drop; B. the overhead service conductors and attachment point; C. the service head, gooseneck and drip loops; D. the service mast, service conduit and raceway; E. the electric meter and base; F. service-entrance conductors; G. the main service disconnect; H. panelboards and over-current protection devices (circuit breakers and fuses); I. service grounding and bonding; J. a representative number of switches, lighting fixtures and receptacles, including receptacles observed and deemed to be arc-fault circuit interrupter (AFCI)-protected using the AFCI test button, where possible; K. all ground-fault circuit interrupter receptacles and circuit breakers observed and deemed to be GFCIs using a GFCI tester, where possible; and L. smoke and carbon-monoxide detectors. II. The inspector shall describe: A. the main service disconnect's amperage rating, if labeled; and B. the type of wiring observed. III. The inspector shall report as in need of correction: A. deficiencies in the integrity of the serviceentrance conductors insulation, drip loop, and vertical clearances from grade and roofs; B. any unused circuit-breaker panel opening that was not filled; C. the presence of solid conductor aluminum branch-circuit wiring, if readily visible; D. any tested receptacle in which power was not present, polarity was incorrect, the cover was not in place, the GFCI devices were not properly installed or did not operate properly, evidence of arcing or excessive heat, and where the receptacle was not grounded or was not secured to the wall; and E. the absence of smoke detectors. IV. The inspector is not required to: A. insert any tool, probe or device into the main panelboard, sub-panels, distribution panelboards, or electrical fixtures. B. operate electrical systems that are shut down. C. remove panelboard cabinet covers or dead fronts. D. operate or re-set over-current protection devices or overload devices. E. operate or test smoke or carbon-monoxide detectors or alarms F. inspect, operate or test any security, fire or alarms systems or components, or other warning or signaling systems. G. measure or determine the amperage or voltage of the main service equipment, if not visibly labeled. H. inspect ancillary wiring or remote-control devices. I. activate any electrical systems or branch circuits that are not energized. J. inspect low-voltage systems, electrical de-icing tapes, swimming pool wiring, or any timecontrolled devices. K. verify the service ground. L. inspect private or emergency electrical supply sources, including, but not limited to: generators, windmills, photovoltaic solar collectors, or battery or electrical storage facility. M. inspect spark or lightning arrestors. N. inspect or test de-icing equipment. O. conduct voltage-drop calculations. P. determine the accuracy of labeling. Q. inspect exterior lighting.

Fireplace

- I. The inspector shall inspect: readily accessible and visible portions of the fireplaces and chimneys; lintels above the fireplace openings; damper doors by opening and closing them, if readily accessible and manually operable; and cleanout doors and frames.
- II. The inspector shall describe: the type of fireplace.
- III. The inspector shall report as in need of correction: evidence of joint separation, damage or deterioration of the hearth, hearth extension or chambers; manually operated dampers that did not open and close; the lack of a smoke detector in the same room as the fireplace; the lack of a carbon-monoxide detector in the same room as the fireplace; and cleanouts not made of metal, pre-cast cement, or other non-combustible material.
- IV. The inspector is not required to: inspect the flue or vent system. inspect the interior of chimneys or flues, fire doors or screens, seals or gaskets, or mantels. Determine the need for a chimney sweep, perate gas fireplace inserts, light pilot flames, determine the appropriateness of any installation, inspect automatic fuel-fed devices, inspect combustion and/or make-up air devices, inspect heat-distribution assists, whether gravity-controlled or fan-assisted,ignite or extinguish fires, determine the adequacy of drafts or draft characteristics, move fireplace inserts, stoves or firebox contents, perform a smoke test, dismantle or remove any component, perform a National Fire Protection Association (NFPA)-style inspection perform a Phase I fireplace and chimney inspection.

Attic, Insulation & Ventilation

I. The inspector shall inspect: A. insulation in unfinished spaces, including attics, crawlspaces and foundation areas; B. ventilation of unfinished spaces, including attics, crawlspaces and foundation areas; and C. mechanical exhaust systems in the kitchen, bathrooms and laundry area. II. The inspector shall describe: A. the type of insulation observed; and B. the approximate average depth of insulation observed at the unfinished attic floor area or roof structure. III. The inspector shall report as in need of correction: A. the general absence of insulation or ventilation in unfinished spaces. IV. The inspector is not required to: A. enter the attic or any unfinished spaces that are not readily accessible, or where entry could cause damage or, in the inspector's opinion, pose a safety hazard. B. move, touch or disturb insulation. C. move, touch or disturb vapor retarders. D. break or otherwise damage the surface finish or weather seal on or around access panels or covers. E. identify the composition or R-value of insulation material. F. activate thermostatically operated fans. G. determine the types of materials used in insulation or wrapping of pipes, ducts, jackets, boilers or wiring. H. determine the adequacy of ventilation.

Doors, Windows & Interior

I. The inspector shall inspect: A. a representative number of doors and windows by opening and closing them; B. floors, walls and ceilings; C. stairs, steps, landings, stairways and ramps; D. railings, guards and handrails; and E. garage vehicle doors and the operation of garage vehicle door openers, using normal operating controls. II. The inspector shall describe: A. a garage vehicle door as manually-operated or installed with a garage door opener. III. The inspector shall report as in need of correction: A. improper spacing between intermediate balusters, spindles and rails for steps, stairways, guards and railings; B. photo-electric safety sensors that did not operate properly; and C. any window that was obviously fogged or displayed other evidence of broken seals. IV. The inspector is not required to: A. inspect paint, wallpaper, window treatments or finish treatments. B. inspect floor coverings or carpeting. C. inspect central vacuum systems. D. inspect for safety glazing. E. inspect security systems or components. F. evaluate the fastening of islands, countertops, cabinets, sink tops or fixtures. G. move furniture, stored items, or any coverings, such as carpets or rugs, in order to inspect the concealed floor structure. H. move suspended-ceiling tiles. I. inspect or move any household appliances. I. inspect or operate equipment housed in the garage, except as otherwise noted. K. verify or certify the proper operation of any pressure-activated auto-reverse or related safety feature of a garage door. L. operate or evaluate any security bar release and opening mechanisms, whether interior or exterior, including their compliance with local, state or federal standards. M. operate any system, appliance or component that requires the use of special keys, codes, combinations or devices. N. operate or evaluate self-cleaning oven cycles, tilt guards/latches, or signal lights. O. inspect microwave ovens or test leakage from microwave ovens. P. operate or examine any sauna, steamgenerating equipment, kiln, toaster, ice maker, coffee maker, can opener, bread warmer, blender, instant hot-water dispenser, or other small, ancillary appliances or devices. Q. inspect elevators. R. inspect remote controls. S. inspect appliances. T. inspect items not permanently installed. U. discover firewall compromises. V. inspect pools, spas or fountains. W. determine the adequacy of whirlpool or spa jets, water force, or bubble effects. X. determine the structural integrity or leakage of pools or spas.