



BPG Inspection, LLC



**34 North Swanwick Place
Tomball TX 77375**

Client(s): Bump
Inspection Date: 3/10/2021
Inspector: Murray Campbell , TREC #22455

Prepared For: David Bump

(Name of Client)

Concerning: 34 North Swanwick Place, Tomball, TX 77375

(Address or Other Identification of Inspected Property)

By: Murray Campbell TREC #22455 / BPG Inspection, LLC 3/10/2021

(Name and License Number of Inspector)

(Date)

(Name, License Number of Sponsoring Inspector)

PURPOSE, LIMITATIONS AND INSPECTOR / CLIENT RESPONSIBILITIES

This property inspection report may include an inspection agreement (contract), addenda, and other information related to property conditions. If any item or comment is unclear, you should ask the inspector to clarify the findings. It is important that you carefully read ALL of this information.

This inspection is subject to the rules ("Rules") of the Texas Real Estate Commission ("TREC"), which can be found at www.trec.texas.gov.

The TREC Standards of Practice (Sections 535.227-535.233 of the Rules) are the minimum standard for inspections by TREC Licensed inspectors. An inspection addresses only those components and conditions that are present, visible, and accessible at the time of the inspection. While there may be other parts, components or systems present, only those items specifically noted as being inspected were inspected. The inspector is NOT required to turn on decommissioned equipment, systems, utility services or apply an open flame or light a pilot to operate any appliance. The inspector is NOT required to climb over obstacles, move furnishings or stored items. The inspection report may address issues that are code-based or may refer to a particular code; however, this is NOT a code compliance inspection and does NOT verify compliance with manufacturer's installation instructions. The inspection does NOT imply insurability or warrantability of the structure or its components. Although some safety issues may be addressed in this report, this inspection is NOT a safety/code inspection, and the inspector is NOT required to identify all potential hazards.

In this report, the inspector shall indicate, by checking the appropriate boxes on the form, whether each item was inspected, not inspected, not present or deficient and explain the findings in the corresponding section in the body of the report form. The inspector must check the Deficient (D) box if a condition exists that adversely and materially affects the performance of a system or component or constitutes a hazard to life, limb or property as specified by the TREC Standards of Practice. General deficiencies include inoperability, material distress, water penetration, damage, deterioration, missing components, and unsuitable installation. Comments may be provided by the inspector whether or not an item is deemed deficient. The inspector is not required to prioritize or emphasize the importance of one deficiency over another.

Some items reported may be considered life-safety upgrades to the property. For more information, refer to Texas Real Estate Consumer Notice Concerning Recognized Hazards or Deficiencies below.

THIS PROPERTY INSPECTION IS NOT A TECHNICALLY EXHAUSTIVE INSPECTION OF THE STRUCTURE, SYSTEMS OR COMPONENTS. The inspection may not reveal all deficiencies. A real estate inspection helps to reduce some of the risk involved in purchasing a home, but it cannot eliminate these risks, nor can the inspection anticipate future events or changes in performance due to changes in use or occupancy. It is recommended that you obtain as much information as is available about this property, including any seller's disclosures, previous inspection reports, engineering reports, building/remodeling permits, and reports performed for or by relocation companies, municipal inspection departments, lenders, insurers, and appraisers. You should also attempt to determine whether repairs, renovation, remodeling, additions, or other such activities have taken place at this property. It is not the inspector's responsibility to confirm that information obtained from these sources is complete or accurate or that this inspection is consistent with the opinions expressed in previous or future reports.

Promulgated by the Texas Real Estate Commission(TREC) P.O. Box 12188, Austin, TX 78711-2188 (512)936-3000
(<http://www.trec.state.tx.us>).

ITEMS IDENTIFIED IN THE REPORT DO NOT OBLIGATE ANY PARTY TO MAKE REPAIRS OR TAKE OTHER ACTIONS, NOR IS THE PURCHASER REQUIRED TO REQUEST THAT THE SELLER TAKE ANY ACTION. When a deficiency is reported, it is the client's responsibility to obtain further evaluations and/or cost estimates from qualified service professionals. Any such follow-up should take place prior to the expiration of any time limitations such as option periods.

Evaluations by qualified tradesmen may lead to the discovery of additional deficiencies which may involve additional repair costs. Failure to address deficiencies or comments noted in this report may lead to further damage of the structure or systems and add to the original repair costs. The inspector is not required to provide follow-up services to verify that proper repairs have been made.

Property conditions change with time and use. For example, mechanical devices can fail at any time, plumbing gaskets and seals may crack if the appliance or plumbing fixture is not used often, roof leaks can occur at any time regardless of the apparent condition of the roof, and the performance of the structure and the systems may change due to changes in use or occupancy, effects of weather, etc. These changes or repairs made to the structure after the inspection may render information contained herein obsolete or invalid. This report is provided for the specific benefit of the client named above and is based on observations at the time of the inspection. If you did not hire the inspector yourself, reliance on this report may provide incomplete or outdated information. Repairs, professional opinions or additional inspection reports may affect the meaning of the information in this report. It is recommended that you hire a licensed inspector to perform an inspection to meet your specific needs and to provide you with current information concerning this property.

TEXAS REAL ESTATE CONSUMER NOTICE CONCERNING HAZARDS OR DEFICIENCIES

Each year, Texans sustain property damage and are injured by accidents in the home. While some accidents may not be avoidable, many other accidents, injuries, and deaths may be avoided through the identification and repair of certain hazardous conditions. Examples of such hazards include:

- malfunctioning, improperly installed, or missing ground fault circuit protection (GFCI) devices for electrical receptacles in garages, bathrooms, kitchens, and exterior areas;
- malfunctioning arc fault protection (AFCI) devices;
- ordinary glass in locations where modern construction techniques call for safety glass;
- malfunctioning or lack of fire safety features such as smoke alarms, fire-rated doors in certain locations, and functional emergency escape and rescue openings in bedrooms;
- malfunctioning carbon monoxide alarms;
- excessive spacing between balusters on stairways and porches;
- improperly installed appliances;
- improperly installed or defective safety devices;
- lack of electrical bonding and grounding; and
- lack of bonding on gas piping, including corrugated stainless steel tubing (CSST).

To ensure that consumers are informed of hazards such as these, the Texas Real Estate Commission (TREC) has adopted Standards of Practice requiring licensed inspectors to report these conditions as "Deficient" when performing an inspection for a buyer or seller, if they can be reasonably determined.

These conditions may not have violated building codes or common practices at the time of the construction of the home, or they may have been "grandfathered" because they were present prior to the adoption of codes prohibiting such conditions. While the TREC Standards of Practice do not require inspectors to perform a code compliance inspection, TREC considers the potential for injury or property loss from the hazards addressed in the Standards of Practice to be significant enough to warrant this notice.

Contract forms developed by TREC for use by its real estate licensees also inform the buyer of the right to have the home inspected and can provide an option clause permitting the buyer to terminate the contract within a specified time. Neither the Standards of Practice nor the TREC contract forms require a seller to remedy conditions revealed by an inspection. The decision to correct a hazard or any deficiency identified in an inspection report is left to the parties to the contract for the sale or purchase of the home.

INFORMATION INCLUDED UNDER "ADDITIONAL INFORMATION PROVIDED BY INSPECTOR", OR PROVIDED AS AN ATTACHMENT WITH THE STANDARD FORM, IS NOT REQUIRED BY THE COMMISSION AND MAY CONTAIN CONTRACTUAL TERMS BETWEEN THE INSPECTOR AND YOU, AS THE CLIENT. THE COMMISSION DOES NOT REGULATE CONTRACTUAL TERMS BETWEEN PARTIES. IF YOU DO NOT UNDERSTAND THE EFFECT OF ANY CONTRACTUAL TERM CONTAINED IN THIS SECTION OR ANY ATTACHMENTS, CONSULT AN ATTORNEY.


ADDITIONAL INFORMATION PROVIDED BY INSPECTOR:

Style of Home: Single Family, Two Story	Age Of Home: 2013	Home Faces: NW
Vacant or Occupied: Vacant	Utilities Active: All	Client(s) Present: Yes, Buyer's Agent
Weather: Cloudy	Temperature: Over 70	Rain in last 3 days: No
Ground/Soil Condition: Dry	Ancillary Services: Sprinkler system	Recommended Professionals: Foundation, Licensed Electrician, Licensed HVAC, Licensed Plumber, Appliance, General Labor, Door, Window, Sprinkler

Thank you for choosing BPG for your property inspection. We value your business and are available should you have any follow-up questions regarding your report.

This report represents our professional opinion regarding conditions of the property as they existed on the day of our inspection. We adhere to the Standards of Practices as outlined in our Inspection Agreement.

Your **INSPECTION REPORT** includes three sections: **1) Key Findings**, **2) Property Information**, and **3) Inspection Agreement**. It is important to evaluate all three sections in order to fully understand the property and general conditions. The following definitions may be helpful in reviewing your reports.

 Action Items may include:

- Items that are no longer functioning as intended
- Conditions that present safety issues
- Items or conditions that may require repair, replacement, or further evaluation by a specialist
- Items that were inaccessible

 Consideration Items may include:

- Conditions that may require repair due to normal wear and the passage of time.
- Conditions that have not significantly affected usability or function- but may if left unattended.

SECTION I. KEY FINDINGS

This section is designed to summarize the findings and conditions that may require your immediate attention. Typically, the Key Findings Summary is used to help prioritize issues with other parties involved in the real estate transaction. *It is important to review carefully all sections of your report and not rely solely on the Key Findings summary.*

SECTION II. PROPERTY INFORMATION

This section contains our detailed findings on all items inspected. Component locations, system types and details, maintenance tips, and other general information about the property will be included as appropriate.

SECTION III. INSPECTION AGREEMENT

This section details the scope of the inspection. BY ACCEPTANCE OF OUR INSPECTION REPORT, YOU ARE AGREEING TO THE TERMS OF OUR INSPECTION AGREEMENT. A copy of this agreement was made available immediately after scheduling your inspection and prior to the beginning of your inspection. In addition, a copy is included on our website with your final inspection report.

To retrieve your full PROPERTY INSPECTION REPORT (all 3 sections) from our Web site:

- Point your web browser to <http://www.bpginspections.com>
- Click on **View Your Inspection Report**
- Enter the **Report Id** and **Client Last Name** (shown below)
 - Report Id: 870816
 - Client's Last Name: Bump
- Follow the instructions to either view the report online or download it to your computer.

Again, thank you for selecting us as your inspection company. Please contact our Customer Service Center at 800-285-3001 should you have any questions about your reports or desire additional assistance.

Action / Consideration Items

STRUCTURAL SYSTEMS

Grading and Drainage

- ✘ 1. A downspout and/or turnout missing. Replace the missing components and extend 3ft from foundation.

Walls (Interior and Exterior)

- ⚠ 2. Set cracks in brick, stone and mortar observed in various locations. These cracks should be repaired to prevent moisture intrusion and further expansion.

Doors (Interior and Exterior)

- ⚠ 3. Door does not close/latch properly into strike plate at the master bedroom utility room, upper right front bedroom closet door(s).

Windows

- ✘ 4. The glazing between glass panes are failing at some windows Throughout residence nine windows in all (condensation/fogging between panes). Double-pane windows have a layer of gas -- usually, argon or air -- trapped between the two panes of glass and should be insulated enough to prevent the accumulation of condensation. If this type of window appears misty or foggy, it means that its seal has failed and the window needs to be replaced. Evidence of a failed insulated glass seal varies daily with changes in temperature and atmospheric conditions which can make it difficult to identify all actually failed window seals at day of inspection.

Why Double-Paned Windows Fail: Solar (Thermal) Pumping

Although double-paned windows appear to be stable, they actually experience a daily cycle of expansion and contraction caused by thermal pumping. This process occurs when sunlight heats the air space between the panes and causes the gas there to heat up and pressurize. Expanding gas cannot leave the chamber between the panes, and causes the glass to bulge outward during the day and contract at night to accommodate the changing pressures. This motion acts like the bellows of a forge, pumping minute amounts of air in and out of the air space between the panes. Over time, the constant pressure fluctuations caused by thermal pumping will stress the seal and challenge its ability to prevent the flow of gas in and out of the window chamber. If it is cold enough, incoming humid air has the potential to condense on the window's surface.

- ✘ 5. The locks on some windows of this house did not function. Window frames may have shifted with structural settling. Recommend contractor to evaluate for adjustment or repair. Located upper right rear bedroom

Fireplaces and Chimneys

- ⚠ 6. No remote available.

ELECTRICAL SYSTEMS

Service Entrance and Panels

- ✘ 7. Grounding cable is loose from ground electrode. Repair needed.
- ✘ 8. The aluminium service wires should be coated with anti-oxidation grease where they are stripped back to be connected to the mains, main or branch circuit breakers.

Branch Circuits, Connected Devices, and Fixtures

- ✘ 9. There was an outlet found to be non-functional in the master bedroom rear wall exterior rear at grill. I recommend further evaluation/diagnosis and repair by a licensed electrician.

Action / Consideration Items

- 10. Some lights were not functioning. These are usually just a case of burned out bulbs. Recommend replacing bulbs before closing as needed. If fixtures are still not functioning, then a licensed electrician should diagnose for deficiencies.
- 11. There are no GFCI (Ground Fault Circuit Interrupt) protected outlets in locations called for by today's standards: laundry,. I recommend updating to current standards.

HEATING, VENTILATION AND AIR CONDITIONING SYSTEMS

Cooling Equipment

- 12. There is no emergency float electrical cutoff switch installed as called for by today's standards. These devices prevent condensate from overflowing into the interior house structure, and turn the unit off until service is performed to the unit. I recommend updating to current standards to prevent water incursion.
- 13. Rust was observed in the secondary drain pan. This is from excess condensation. This is common for cooling systems that are installed in a interior closet, or even in the attic. Ensure air flow is not restricted (dirty filters) and the condensation drain line is periodically flushed to prevent drain line blockage. Consider having the unit serviced by a licensed HVAC technician.

PLUMBING SYSTEM

Drains, Wastes, and Vents

- 14. Drain stop is not functioning in the upper left guest bath

APPLIANCES

Food Waste Disposers

- 15. Rubber splash guard is missing. Replacement is recommended.

OPTIONAL SYSTEMS

Landscape Irrigation (Sprinkler) Systems

- 16. There is a damaged sprinkler head at front, rear and sides of home. The system is in need of further review and repair by a licensed irrigator.

Prepared Using HomeGauge <http://www.homegauge.com> : Licensed To BPG Inspection Services

Legend	<input checked="" type="checkbox"/> No Action Items Found	<input checked="" type="checkbox"/> Action Item	<input checked="" type="checkbox"/> Consideration Item
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STRUCTURAL SYSTEMS			
A.	Foundations	X	
B.	Grading and Drainage		<input checked="" type="checkbox"/>
C.	Roof Covering Materials	X	
D.	Roof Structures and Attics	X	
E.	Walls (Interior and Exterior)	X	<input checked="" type="checkbox"/>
F.	Ceilings and Floors	X	
G.	Doors (Interior and Exterior)	X	<input checked="" type="checkbox"/>
H.	Windows		<input checked="" type="checkbox"/>
I.	Stairways (Interior and Exterior)	X	
J.	Fireplaces and Chimneys	X	<input checked="" type="checkbox"/>
K.	Porches, Balconies, Decks, and Carports	X	
L.	Other	X	
ELECTRICAL SYSTEMS			
A.	Service Entrance and Panels		<input checked="" type="checkbox"/>
B.	Branch Circuits, Connected Devices, and Fixtures		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
HEATING, VENTILATION AND AIR CONDITIONING SYSTEMS			
A.	Heating Equipment	X	
B.	Cooling Equipment	X	<input checked="" type="checkbox"/>
C.	Duct Systems, Chases, and Vents	X	
PLUMBING SYSTEM			
A.	Plumbing Supply, Distribution Systems and Fixtures	X	

B.	Drains, Wastes, and Vents	X	<input checked="" type="checkbox"/>
C.	Water Heating Equipment	X	
D.	Hydro-Massage Therapy Equipment	X	
E.	Other	X	
APPLIANCES			
A.	Dishwashers	X	
B.	Food Waste Disposers		<input checked="" type="checkbox"/>
C.	Range Hood and Exhaust Systems	X	
D.	Ranges, Cooktops, and Ovens	X	
E.	Microwave Ovens	X	
F.	Mechanical Exhaust Vents and Bathroom Heaters	X	
G.	Garage Door Operators	X	
H.	Dryer Exhaust Systems	X	
I.	Other	X	
OPTIONAL SYSTEMS			
A.	Landscape Irrigation (Sprinkler) Systems		<input checked="" type="checkbox"/>
B.	Swimming Pools, Spas, Hot Tubs, and Equipment	X	
C.	Outbuildings	X	
D.	Private Water Wells (A coliform analysis is recommended)	X	
E.	Private Sewage Disposal (Septic) Systems	X	
F.	Other	X	

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I NI NP D

I. STRUCTURAL SYSTEMS

A. Foundations

Type of Foundation(s): Post-tension slab

Foundation method of inspection: Visual inspection of exterior

Foundation performance: Performing as intended. No significant problems observed

Comments:

The foundation inspection is limited. The inspector does not pull up floor coverings, move furniture, measure elevations or propose major repairs. The inspector does not enter crawl space areas less than 18". The client should understand that inspectors are not professional engineers. This inspection is neither an engineering report or evaluation, nor should it be considered one. Our inspection is based on general observation of the foundation, the inspector's personal experience with similar structures, and is performed without the use of specialized tools or procedures. If any cause for concern is noted on this report, or if you want further evaluation, you should consider contracting a structural engineer of your choice.

Expansive clay soils are common in central Texas. The soil can expand in volume (swell) when wet and can decrease in volume (shrink) when dry. This change in volume in the supporting soil can cause a corresponding reaction to a house foundation. Ensuring a consistent moisture level in the soil should help in maintaining stability of the foundation.

The foundation appeared to provide adequate support for the structure at time of inspection. There was no readily apparent evidence that would indicate adverse performance or significant deficiencies. No significant unlevelled conditions were observed when walking on the ground floor.

Corner cracks were observed at the corners of the slab foundation. Cracks of this nature are typical and occur when the exterior veneer is warmed by the sun and the wall expands. This condition is also a conducive condition for termite infestations. I recommend you contract foundation expert to repair mortar as needed to prevent further separation. Sidewalk repair caulking is the typical product used for this repair.



B. Grading and Drainage

Comments:

It is advisable to maintain at least 6 inches minimum of clear area between the ground and siding. Proper drainage is critical to the performance of the foundation. All grades should drop away from the structure at a rate of 6 inches for every 10 feet.

The grading surrounding the structure appears adequate to properly drain runoff away from foundation.

A downspout and/or turnout missing. Replace the missing components and extend 3ft from foundation.

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C. **Roof Covering Materials**

Types of Roof Covering: 3-Tab fiberglass/asphalt

Approximate Age of Roof: Estimated, 6-10 Years Old

Roof Viewed From: Ground, Ladder, Binoculars, Viewed from ladder at Eave, Viewed from window

Comments:

The inspector does not speculate on the remaining life expectancy of the roof covering. Inspection of fastening system at shingle tabs are not inspected as lifting shingles or tiles could damage the covering. Inspection of the roof surface, attic, and interior spaces should not be interpreted as a certification that this roof is or will be free of leaks, or of its insurability.

The roof covering appeared in good condition. No leaks were active at time of inspection. Shingles appeared to be properly fastened.



Metal roofs have an expected maintenance period of about every 8-10 years, where the deficient grommet seals on the roof fasteners are replaced as needed and loose fasteners are reset. Penetrations are replenished of sealant and/or jackboot flashings are replaced. The roof appears to be nearing the period where maintenance is recommended. Recommend query owner for record of last maintenance period. If none in last 7 years, a qualified metal roofer should be contacted and a maintenance check be performed.

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D. Roof Structures and Attics

Method used to observe attic: Entered attic and performed a visual inspection

Roof Structure: 2 X 6 Rafters

Roof Ventilation: Ridge vents, Soffit Vents, Passive

Attic Access Info: Pull Down stairs

Attic Insulation: Approximate, 13+ Inches

Comments:

Only areas of the attic determined accessible by the inspector are inspected.

The structure was in good condition. No leaks were active or apparent at time of inspection. Insulation determined to be at acceptable levels/depths. At accessible areas inspected.



E. Walls (Interior and Exterior)

Wall covering/siding type: Brick, Wood, Cement fiberboard

Comments:

Only readily accessible areas clear of furniture and occupant belongings are inspected. Observations are related to structural performance and water penetration only. The inspection does not include cosmetic damage. It is recommended that all surfaces be kept well sealed. If the home has stucco cladding the siding should be monitored for cracks or separation in transitional joints and repaired. A home inspectors visual inspection of stucco clad homes may not reveal the presence of water infiltration and structural deterioration. It is recommended that EIFS stucco clad homes be further evaluated by a qualified EIFS or stucco repair contractor. This inspection does not cover any issues that are considered to be environmental. Such as, but not limited too, lead based paint, asbestos, radon, mold, mildew, fungus, etc.

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Noted areas of siding trim and edges that have missing or deteriorated caulking. These areas can be a point of water infiltration if not addressed. Noted no evidence at interior sides of home areas with previous water infiltration at time of inspection. Recommend fully and properly sealing all areas affected.



There are joint cracks on the walls in various locations. These cracks appear to be typical settlement/shifting joint cracks with no other visible displacement. Recommend sealing (mortar) crack to prevent moisture incursion and monitor for further settlement/separation



Trim all hedges, ivy and trees away from exterior wall surfaces. Heavy foliage against walls may be conducive to insect, rub or moisture damage. (Limited view of surfaces in these locations)



Set cracks in brick, stone and mortar observed in various locations. These cracks should be repaired to prevent moisture intrusion and further expansion.



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F. Ceilings and Floors

Ceiling Structure: 2X6

Comments:

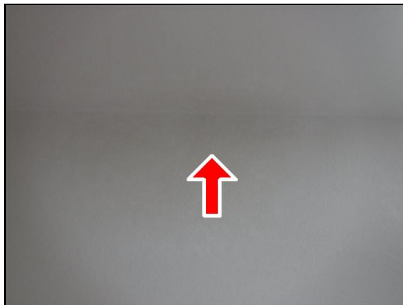
Observation of floors are related to structural performance and water penetration only. The inspection does not include obvious damage to carpets, tiles, wood, laminate or vinyl flooring

Cracks on ceiling in various areas, consistent with structural settling. Repair as needed.

There are some nail heads "popping" through the ceiling/wall surface. Nail pops are typically cosmetic and not of any structural significance. A handy person can simply reset the nail head and fill the depressions with a patching material such as drywall or spackling compound.



There is evidence of previous repairs on the ceiling in the master bedroom closet. There was no prior disclosure of this repair, and no evidence of damage in the attic. I recommend you query the owner for the history on this area. Infrared scan showed no moisture



G. Doors (Interior and Exterior)

Comments:

Cosmetic items and obvious holes are not included in this report. It is common in the course of climate changes that some doors may bind mildly or the latches may need adjustment.

All accessible doors were operated and found to be functional. Doorbell system present and operational with concerns noted.

Door does not close/latch properly into strike plate at the master bedroom utility room, upper right front bedroom closet door(s).

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Master bedroom door functions as intended but is damaged. Repair as needed.



Door lock does not function upper right rear bathroom. Repair as needed.



H. Windows

Window Type: Vinyl/Fiberglass Frame, Double Pane

Comments:

All accessible windows are operated normally to determine functionality. Windows that are blocked by occupant storage/furnishings are not lifted. Double pane window seals may be broken without having a visible amount of condensation built up between the panes. Obviously fogged windows are noted when observed but complete inspection is not possible due to light conditions, installed screens, dirt on surfaces and rain at time of inspection.

All accessible windows were opened and found to be in operable condition.

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☒ The glazing between glass panes are failing at some windows Throughout residence nine windows in all (condensation/fogging between panes). Double-pane windows have a layer of gas -- usually, argon or air -- trapped between the two panes of glass and should be insulated enough to prevent the accumulation of condensation. If this type of window appears misty or foggy, it means that its seal has failed and the window needs to be replaced. Evidence of a failed insulated glass seal varies daily with changes in temperature and atmospheric conditions which can make it difficult to identify all actually failed window seals at day of inspection.

Why Double-Paned Windows Fail: Solar (Thermal) Pumping

Although double-paned windows appear to be stable, they actually experience a daily cycle of expansion and contraction caused by thermal pumping. This process occurs when sunlight heats the air space between the panes and causes the gas there to heat up and pressurize. Expanding gas cannot leave the chamber between the panes, and causes the glass to bulge outward during the day and contract at night to accommodate the changing pressures. This motion acts like the bellows of a forge, pumping minute amounts of air in and out of the air space between the panes. Over time, the constant pressure fluctuations caused by thermal pumping will stress the seal and challenge its ability to prevent the flow of gas in and out of the window chamber. If it is cold enough, incoming humid air has the potential to condense on the window's surface.



Noted one or more windows on 2nd floor that have a potential fall hazard present for small children due to their low height above floor. In dwelling units, where the opening of an operable window is located more than 72 inches above finished grade or exterior surface, the lowest part of the clear opening of the window shall be

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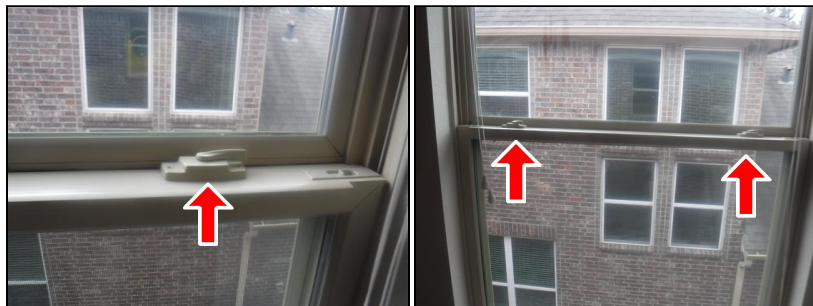
a minimum of 24 inches above the finished floor. Recommend installing child proof lock assemblies at all windows affected.



Noted several window sills at interior of home with deteriorated caulking at various sides of window frames. Deteriorated caulking at area can potentially subject framing under and behind window sill to future moisture collection concerns. Recommend having all window sills affected re-sealed with caulking. Important to check all 4 sides of window frames for deteriorated caulking concerns.



The locks on some windows of this house did not function. Window frames may have shifted with structural settling. Recommend contractor to evaluate for adjustment or repair. Located upper right rear bedroom



I. Stairways (Interior and Exterior)

Comments:
No deficiencies were observed at the time of inspection.

J. Fireplaces and Chimneys

Operable Fireplaces: One
Comments:
The inspection does not include the adequacy of draft or condition of flue tiles. Fireplaces are only operated if there is an electronic ignition source, with no open flame being applied to the gas source.

No remote available.

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K. Porches, Balconies, Decks, and Carports

Comments:

The inspector does not determine the existence or adequacy of flashing at the attachment to the house. Monitor the condition of all deck railings and ensure they remain safe and secure. Verification or determination of load carrying capability of the deck is not included with this inspection.

L. Other

Comments:

Fences are not inspected unless a swimming pool is present. Retaining walls are only checked if failure would impede the homes structural integrity.

II. ELECTRICAL SYSTEMS

Ancillary wiring items not inspected include but are not limited to: telephone, cable, speaker, computer, photocells, low voltage, hard wiring on smoke detectors, electric gates and doors, yard and tree lighting. Intercom systems are not inspected.

The inspector does not check 220-volt outlets. Random testing of electrical outlets only; not all outlets are tested. In the event aluminum wiring is reported it should be reviewed by a licensed electrician. We do not report copper clad aluminum wiring unless clearly labeled so at the electrical panel. Only light fixtures that appear to have been improperly installed are tested for proper operation. Burnt bulbs are not reported. Light fixtures with daylight sensors or that are on timers can not be tested for proper operation.

A. Service Entrance and Panels

Electrical Service: Below ground, Aluminum, 240 volts

Main Breaker: 200 AMP

Panel Type: Circuit breakers

Ground System: Ufer ground (conductor bonded to foundation rebar), Driven Ground Rod

Electric Panel Manufacturer: EATON

Comments:

System panels installed correctly, grounded and bonded.



The main panel box is located in/at the Garage.

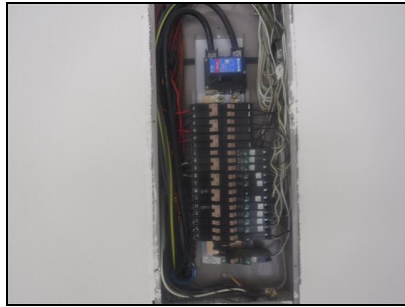
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Grounding cable is loose from ground electrode. Repair needed.

The aluminium service wires should be coated with anti-oxidation grease where they are stripped back to be connected to the mains, main or branch circuit breakers.



B. Branch Circuits, Connected Devices, and Fixtures

Type of Wiring: NM (non-metallic sheathed)

Type of Branch Circuit Wiring: Copper

Comments:

It is recommended that smoke detector batteries are replaced semi-annually. Smoke detectors should be replaced every 10 years. Initiate and practice plans for escape periodically. Failure to repair defective or install absent alarms, detectors and other safety devices immediately can result in serious injury or death. For further information about fire safety and CO poisoning, consult your local fire department and read the following links: www.cpsc.gov and www.nfpa.org

Smoke alarms were functional.

There was an outlet found to be non-functional in the master bedroom rear wall exterior rear at grill. I recommend further evaluation/diagnosis and repair by a licensed electrician.



Some lights were not functioning. These are usually just a case of burned out bulbs. Recommend replacing bulbs before closing as needed. If fixtures are still not functioning, then a licensed electrician should diagnose for deficiencies.

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I	NI	NP	D
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There are no GFCI (Ground Fault Circuit Interrupt) protected outlets in locations called for by today's standards: laundry,. I recommend updating to current standards.



III. HEATING, VENTILATION AND AIR CONDITIONING SYSTEMS

Our inspection of the heating and cooling system included a visual examination of the system's major components to determine defects, excessive wear, and general state of repair. Weather permitting, our inspection of a heating or cooling system includes activating it via the thermostat and checking for appropriate temperature response. Our inspection does not include disassembly of the furnace; therefore heat exchangers are not included in the scope of this inspection. Heat pump systems are not tested in heat mode when ambient temperatures are above 80 degrees Fahrenheit, or in cooling mode when below 60 degrees to avoid damage to system.

The inspector does not determine the adequacy (tonnage/manual load calculation) or efficiency of the system. Humidifiers, motorized dampers, electronic air filters and programmable thermostats are not inspected. Window air conditioning and possible mismatched central units are not checked. An accurate central air conditioning cooling differential test is not possible when the ambient temperature is below 55 degrees Fahrenheit.

Bi-annual scheduled maintenance of a home's HVAC system is an important part of the overall care of your home, and is required by most home warranty companies in order for repairs to be covered under a home warranty program. Some defects may be found during this service that are not evident in the scope of our home inspection. We recommend that you have the home seller provide you with a record that the HVAC system has been serviced in the past six months. If the system has not been serviced, it should be done during the inspection period.

A. Heating Equipment

Type of Systems: Forced Air

Heating Energy Sources: Gas

Number of Heat Systems (excluding wood): Two

Furnace/Air Handler Age: 2012, 2011

Location of Secondary pan drain line: Rear

Comments:

The unit(s) functioned at the time of inspection. Proper heating operation is determined by at minimum of 100 degrees being supplied from all home supply grills.

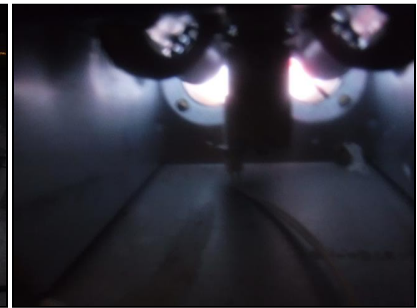
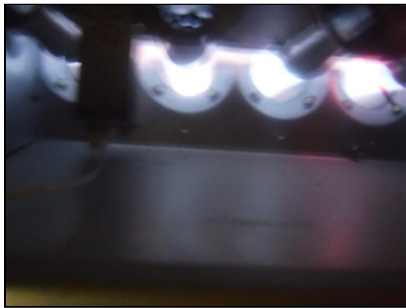
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B. Cooling Equipment

Type of Cooling Systems: Central air conditioner unit

Coolant Type: R-410A

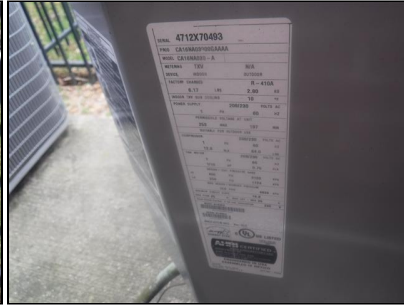
Temperature Differential: 15 Degrees, 16 Degrees

Number of Cooling Systems: Two

A/C Age: 2012

Comments:

The upstairs downstairs unit(s) functioned at time of inspection. Target temperature drops between 14-22 degrees were obtained.



Downstairs return a/c vent.

Downstairs supply a/c vent.

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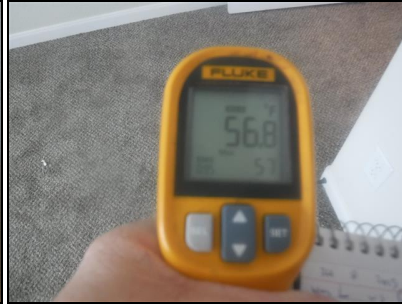
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Upstairs return a/c vent



Upstairs supply a/c vent.

⚠ There is no emergency float electrical cutoff switch installed as called for by today's standards. These devices prevent condensate from overflowing into the interior house structure, and turn the unit off until service is performed to the unit. I recommend updating to current standards to prevent water incursion.

⚠ Rust was observed in the secondary drain pan. This is from excess condensation. This is common for cooling systems that are installed in a interior closet, or even in the attic. Ensure air flow is not restricted (dirty filters) and the condensation drain line is periodically flushed to prevent drain line blockage. Consider having the unit serviced by a licensed HVAC technician.



To prevent blockages in the condensation drain line, pour mixture of 1c. warm water and 2 capfuls of bleach into condensate drain every 8 weeks during the hot months when the A/C is in use to prevent bio-growth in drain lines and prevent blockages.



☒☐☐☒ C. Duct Systems, Chases, and Vents

Ductwork: Insulated Flex Duct, Insulated Duct Board

Comments:

Inspecting the interior condition of the HVAC supply and return ducts would require vent removal and/or dismantling the equipment plenums and is beyond the scope of this inspection.

In general, there should be a supply and return duct for each bedroom and each common living area. Duct runs should be as short and straight as possible. The correct-size duct is necessary to minimize pressure drops in the system and thus improve performance. Insulate ducts located in unheated spaces, and seal all

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joints with duct mastic. Despite its name, never use ordinary duct tape on ducts.

Ducts and ventilation system appeared serviceable. Note: we are only able to evaluate visible and accessible ducts.

Note your home is equipped with 4 inch high efficiency box filters located in attic at furnace. Recommend checking for cleanliness to replace at least every 3 to 6 months. Due to your system design air filters are not intended to be placed in return grills even though the return grills are designed to hold a 1 inch filter. Doubling filter media at the return grill and with current 4 inch filter in the attic could starve the system of required air flow needed and affect operation of the system.



Filter size 20X25X4

The temperature differentials were off by more than 5 degrees when measured at random vents. This may be corrected by balancing ducts and will provide a more even temperature distribution throughout the house.

IV. PLUMBING SYSTEM

The inspection does not include gas lines or condition of plumbing lines in walls, floors, attic, ground or foundation. Water wells, water-conditioning systems, solar water heating systems, freestanding appliances, and the potability of any water supply are excluded from inspection, unless other wise noted. Clothes washing machine and Icemaker hose bibs are not tested.

A. Plumbing Supply, Distribution Systems and Fixtures

Location of water meter: Left Side, Front

Location of main water supply valve: Garage

Static water pressure reading: 60 PSI

Water Source: Public

Plumbing Water Supply (into home): PEX

Plumbing Water Distribution (inside home): PEX

Gas Meter Location: Right side

Comments:

Fixtures functional. Flow/Volume acceptable. The toilets flushed properly. Water pressure into home from city 60 PSI. Recommended satisfactory range 40 PSI – 80 PSI. Meter tested with no leaks or bypass concerns noted.

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Water meter located left front of residence.



Main water bshut off located within the garage.



Gas meter located right side of residence.

B. Drains, Wastes, and Vents

Location of drain cleanout: Front

Plumbing Waste: PVC

Washer Drain Size: 2" Diameter

Comments:

Drains and vents functioned normally. All sinks/tubs were filled to perform leak test of P-trap with no concerns noted.



Cleanout located front of residence.

Have all missing/not functional drain stops repaired/replaced.

Drain stop is not functioning in the upper left guest bath

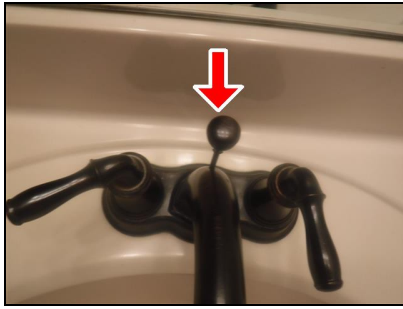
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The guest bath master bath sink does not have an over-flow drain and there is a drain stopper present. Client should ensure that the sink is never left unattended during filling. Suggested recommendation is to remove stopper assembly from sink.



C. **Water Heating Equipment**

WH Energy Sources: Gas

Capacity: (2) 50 Gallon

Water Heater Age:

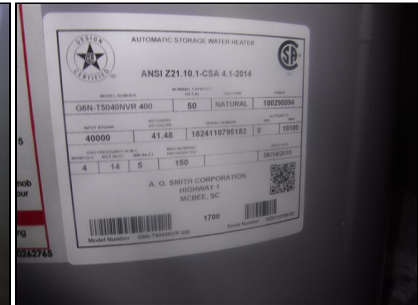
Extra Info: 2018

Water Heater Location: Attic

Comments:

Water recirculation pumps and electric timers are not tested as they are not part of a standard home system. T&P valves on older units are not tested due to high occurrence of leaks.

The water heater(s) functioned normally at time of inspection.



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D. Hydro-Massage Therapy Equipment

Comments:

In-Line water heaters are not tested.

E. Other

Comments:

V. APPLIANCES

A. Dishwashers

Comments:

The appliance was functional when tested in short/normal cycle. The spray bars activated, as well as the detergent dispenser. Average life expectancy - 10 years: Life expectancies have been determined through research and testing based on regular recommended maintenance and conditions of normal wear and tear.



B. Food Waste Disposers

Comments:

Appliance was functional at time of inspection. Average life expectancy - 12 years: Life expectancies have been determined through research and testing based on regular recommended maintenance and conditions of normal wear and tear.



Rubber splash guard is missing. Replacement is recommended.

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C. **Range Hood and Exhaust Systems**

Comments:

Functional with no concerns noted. Average life expectancy - 15 years: Life expectancies have been determined through research and testing based on regular recommended maintenance and conditions of normal wear and tear.



D. **Ranges, Cooktops, and Ovens**

Comments:

The inspector does not test self-cleaning, self-bake or broiler functions on ovens.

Cooktop and oven functional at time of inspection. Average industry average life expectancy 10 to 18 years. Life expectancies have been determined through research and testing based on regular recommended maintenance and conditions of normal wear and tear.



E. **Microwave Ovens**

Comments:

Tests for leaks of microwaves from the appliance door or housing is not included in this inspection. When we tested the appliance, it was to simply determine if it will heat water/moisture placed into the unit. We cannot determine if the various cycles of the device function as designed. Because of the potential for microwave leakage, client is advised to have the appliance periodically tested and serviced by a qualified appliance service technician.

Appliance was functional at time of inspection. Average life expectancy - 10 years. Life expectancies have been determined through research and testing based on regular recommended maintenance and conditions of normal wear and tear.

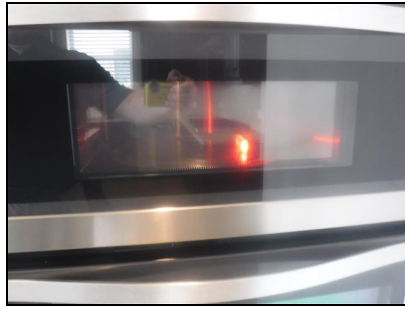
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F. **Mechanical Exhaust Vents and Bathroom Heaters**

Comments:

Ventilation systems should be present in all bathrooms. This includes bathrooms with windows, since windows will not be opened during the winter in cold climates.

The fans were functional, and vented to the exterior as required. Average life expectancy - 10 years. Life expectancies have been determined through research and testing based on regular recommended maintenance and conditions of normal wear and tear.

G. **Garage Door Operators**

Comments:

Functional. Auto-reversed when IR beams obstructed. The downward pressure safety reverse was not tested; check it periodically to ensure it reverses properly.

H. **Dryer Exhaust Systems**

Comments:

Dryer vents should be cleaned every 6 months to prevent lint buildup, improve efficiency and to reduce possible fire hazards.

I. **Other**

Comments:

Refrigerators are not included as part of an inspection. As a courtesy I checked the operating temperatures in the unit, and they appeared to be within normal range.



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The outdoor cooking equipment functioned normally when tested during the inspection. Igniter did not function at covered grill. Replace as necessary



VI. OPTIONAL SYSTEMS

A. Landscape Irrigation (Sprinkler) Systems

Comments:

If the sprinkler system is inspected as part of this inspection, it is tested in manual mode only. Unless obvious, underground water leaks are not inspected for.



Irrigation back flow preventer located left side of residence.

Tested and operated all zones of sprinkler system with no concerns noted. System operated from controller in garage.



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There is a damaged sprinkler head at front, rear and sides of home. The system is in need of further review and repair by a licensed irrigator.

B. Swimming Pools, Spas, Hot Tubs, and Equipment

Comments:

If the swimming pool is inspected as part of this inspection only components readily accessible are inspected. Timers, freeze guards, automatic chlorinators or ozonator's if present are not inspected. Underground leaks or seepage (unless obvious) can not be detected.

C. Outbuildings

Comments:

D. Private Water Wells (A coliform analysis is recommended)

Comments:

E. Private Sewage Disposal (Septic) Systems

Comments:

Inspections, when performed, are limited scope only. Complete inspection of the underground tank system would require excavation and is beyond the scope of this inspection. Only accessible areas are visually observed.

F. Other

Comments: