



# Star Home Inspection Services

## *Home Inspection Report*

**912 W Woodside Dr, Olathe, KS 66061**

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**Inspection Date: 05/06/2009**

**Prepared For: Lee Phillips**

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**Report Number: 05062009-1A**

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# Report Overview

## THE HOUSE IN PERSPECTIVE

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This is a well built home. As with all homes, ongoing maintenance is required and improvements to the systems of the home will be needed over time. *The improvements that are recommended in this report are not considered unusual for a home of this age and location.* Please remember that there is no such thing as a perfect home.

## CONVENTIONS USED IN THIS REPORT

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For your convenience, the following conventions have been used in this report.

**Major Concern:** a system or component which is considered significantly deficient or is unsafe. Significant deficiencies need to be corrected and, except for some safety items, are likely to involve significant expense.

**Safety Issue:** denotes a condition that is unsafe and in need of prompt attention.

**Repair:** denotes a system or component which is missing or which needs corrective action to assure proper and reliable function.

**Improve:** denotes improvements which are recommended but not required.

**Monitor:** denotes a system or component needing further investigation and/or monitoring in order to determine if repairs are necessary.

Please note that those observations listed under “Discretionary Improvements” are not essential repairs, but represent logical long term improvements.

- For the purpose of this report, it is assumed that the house faces south.

## IMPROVEMENT RECOMMENDATION HIGHLIGHTS / SUMMARY

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The following is a synopsis of the potentially significant improvements that should be budgeted for over the short term. Other significant improvements, outside the scope of this inspection, may also be necessary. Please refer to the body of this report for further details on these and other recommendations.

**All issues found in this report should be addressed with the appropriate parties to make any improvements, corrections or repairs necessary. All improvements, corrections and repairs should meet the satisfaction of the client named on this report and the inspection agreement associated with this report prior to closing. This report and the findings listed herein are intended for the client only and is not transferable without a signed written agreement.**

**Seller comments are in red. Any items without seller comments should be considered “as is”**

### Foundation

- **Monitor:** Common minor settlement cracks were observed in the foundation walls. This implies that some structural movement of the building has occurred. Cracks of this type should be watched for any sign of additional movement. In the absence of any sign of ongoing movement, repair should not be necessary.
- **Monitor:** The basement floor slab has typical cracks usually the result of shrinkage and/or settling of the slab as it cures. Shrinkage cracks are very common and are not normally a concern.

### Sloped Roofing

- **Repair:** Exposed nail heads were observed in the roofing shingles and/or ridge caps. All exposed nail heads should be caulked to reduce the potential of leaks.
- **Monitor:** Missing tabs observed at ridge cap. These areas should be monitored closely, especially after instances of high wind.

### Flashings

- **Improve:** The furnace vent flashing is rusting. Recommend it be painted to extend its life. **Repaired (painted)**

### Gutters & Downspouts

- **Repair:** The gutters require cleaning to avoid spilling roof runoff around the building – a potential source of water entry or water damage.

### Exterior Walls

- **Monitor, Repair:** Localized minor rot was observed in the siding (example at bottom edge where siding has not been painted). Following repair of the damaged areas (which should be combined with exterior painting/maintenance) proper maintenance of the siding and control of water from roof or surface runoff can avoid further damage.
- **Monitor:** Localized rot was observed in the trim around the garage overhead door (lower trim corner). Following repair of the damaged areas (which should be combined with exterior painting/maintenance) proper maintenance of the siding and control of water from roof or surface runoff can avoid further damage.
- **Repair:** Localized paint needed at bottom edge of siding to prevent water damage and rot. **Repaired**

### Garage

- **Repair, Safety Issue:** No safety springs/cables were noted on the garage door springs. The installation of the springs/cables would improve safety during operation. **Repaired**
- **Repair:** The west garage door opener needs adjustment. It should be repaired as necessary. **Repaired**
- **Repair, Safety Issue:** The garage door openers did not automatically reverse under resistance to closing. *There is a serious risk of injury, particularly to children, under this condition.* The opener may need replacement.
- **Monitor:** The garage floor slab has typical cracks usually the result of shrinkage and/or settling of the slab as it cures. Shrinkage cracks are very common and are not normally a concern.

### Lot Drainage

- **Monitor:** The grading should be maintained to promote the flow of storm water away from the house. This can often be accomplished by the addition of top soil. The ground should slope away from the house at a rate of one inch per foot for at least the first ten feet. At least eight (8) inches of clearance should be maintained between soil level and the bottom of exterior wall siding.

### Porch/Steps

- **Monitor:** The porch and front steps have typical cracks usually the result of shrinkage and/or settling of the slab as it cures. Shrinkage cracks are very common and are not normally a concern.

### Deck

- **Repair, Safety Issue:** Nail pops in the deck floor were observed. This is a safety issue and the nails should be hammered flush. **Repaired**
- **Repair:** The deck should be better secured to the house using lag bolts/screws to reduce risk of separating from the house. **Repaired**
- **Repair, Safety Issue:** The deck railing baluster is loose and needs repair. **Repaired**

### Driveway

- **Monitor:** The driveway has settled and cracked. Persisting movement may result in the need for repairs.

### Walkway

- **Repair, Safety Issue:** The public walkway presents a trip hazard. This condition should be altered for improved safety.

### Distribution Wiring

- **Repair:** All junction boxes should be fitted with cover plates, in order to protect the wire connections (example at unfinished basement ceiling). **Repaired**
- **Monitor, Improve, Safety Issue:** The installation of the distribution wiring below the electrical panel at east basement wall is non-standard. The exposed electrical wiring should be in conduit.

### Outlets

- **Repair:** An outlet at the kitchen counter is loose. It should be replaced. **Repaired**

### Furnace

- **Monitor:** Given the age of the furnace, it may be near the end of its useful life. You should reserve funds to be ready to purchase a new furnace.

### Central Air Conditioning

- **Monitor:** As is not uncommon for homes of this age and location, the air conditioning system is old. It may require a slightly higher level of maintenance, and may be more prone to major component breakdown. Predicting the frequency or time frame for repairs on any mechanical device is virtually impossible.
- **Monitor:** The fins of the outdoor portion of the air conditioning system were observed to be damaged. This condition can reduce the efficiency of the system.

### Water Heater

- **Monitor:** Water heaters have a typical life expectancy of 7 to 12 years. The existing unit is approaching or has exceeded this age range. One cannot predict with certainty when replacement will become necessary.
- **Repair:** The discharge piping serving the Temperature and Pressure Relief (TPR) Valve for the water heater should terminate not less than 6 inches or more than 24 inches above the floor. **Repaired**

### Plumbing Fixtures

- **Repair:** The hall bathroom shower head is leaky. **Repaired**
- **Improve:** Cracked, deteriorated and/or missing hall bathroom shower stall grout should be replaced. **Repaired**
- **Monitor:** Previous leakage at water heater shutoff handle was noted.

### Wall / Ceiling Finishes

- **Monitor:** Damage to the interior finish was observed at storage area below the basement steps.
- **Monitor:** Typical drywall flaws were observed that could include rough seams, nail popping, minor patching, etc. Any repairs would be discretionary.
- **Monitor:** Loose drywall was detected at the garage ceiling.

### Floors

- **Monitor:** The tile floor in the main floor hall bathroom is cracked.
- **Monitor:** Minor damage to the vinyl flooring in the kitchen and laundry area was noted.
- **Monitor:** The carpet is stained.

### Windows

- **Monitor:** Some of the window(s) are painted shut. Improvement can be undertaken as desired. Renovations were in progress at the time of the inspection.
- **Repair:** Window hardware is missing (example in kitchen). Renovations were in progress at the time of the inspection.
- **Monitor, Repair:** It may be desirable to replace window storms and screens where missing. The owner should be consulted regarding any screens that may be in storage.
- **Monitor:** Minor damage to the kitchen window sill woodwork was noted

### Doors

- **Repair:** Doors should be trimmed or adjusted as necessary to work properly (example at laundry room door). **Repaired**
- **Repair:** Door(s) should be adjusted as necessary to latch properly (example at slider screen door latch). **Repaired**
- **Repair:** The weather strip on the exterior garage man door is damaged and/or missing. Repair is needed.

### Kitchen Cabinets

- **Repair:** Missing cabinet door latches in the kitchen should be repaired.

### Stairways

- **Repair, Safety Issue:** For improved safety, it is recommended that a handrail be provided for the basement stairway.

### Basement Leakage

- **Monitor:** No evidence of moisture penetration was visible in the basement at the time of the inspection. *It should be understood that it is impossible to predict whether moisture penetration will pose a problem in the future.* The vast majority of basement leakage problems are the result of insufficient control of storm water at the surface. The ground around the house should be sloped to encourage water to flow away from the foundation. Gutters and downspouts should act to collect roof water and drain the water at least five (5) feet from the foundation or into a functional storm sewer. Downspouts that are clogged or broken below grade level, or that discharge too close to the foundation are the most common source of basement leakage. Please refer to the Roofing and Exterior sections of the report for more information.

In the event that basement leakage problems are experienced, lot and roof drainage improvements should be undertaken as a first step. Please beware of contractors who recommend expensive solutions. Excavation, damp-proofing and/or the installation of drainage tiles should be a last resort. In some cases, however, it is necessary. Your plans for using the basement may also influence the approach taken to curing any dampness that is experienced.

## THE SCOPE OF THE INSPECTION

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All components designated for inspection in the ASHI® Standards of Practice are inspected, except as may be noted in the "Limitations of Inspection" sections within this report.

It is the goal of the inspection to put a home buyer in a better position to make a buying decision. Not all improvements will be identified during this inspection. Unexpected repairs should still be anticipated. The inspection should not be considered a guarantee or warranty of any kind.

This inspection is visual only. A representative sample of building components are viewed in areas that are accessible at the time of the inspection. No destructive testing or dismantling of building components is performed.

Please refer to the pre-inspection contract for a full explanation of the scope of the inspection.

### WEATHER CONDITIONS

Dry weather conditions prevailed at the time of the inspection.

The estimated outside temperature was 70 degrees F.

### RECENT WEATHER CONDITIONS

Occasional rain has been experienced in the days leading up to the inspection.

# Structure

## DESCRIPTION OF STRUCTURE

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<b>Foundation:</b>	•Poured Concrete •Basement Configuration •65% Of Foundation Was Not Visible From Inside Due To Finished Walls and/or Storage
<b>Columns:</b>	•Steel
<b>Floor Structure:</b>	•Wood Joist •Concrete
<b>Wall Structure:</b>	•Wood Frame, Brick Veneer
<b>Ceiling Structure:</b>	•Joist
<b>Roof Structure:</b>	•Not Visible (storage blocking attic entrance)

## STRUCTURE OBSERVATIONS

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### Positive Attributes

The construction of the home is good quality. The materials and workmanship, where visible, are good. The visible joist spans appear to be within typical construction practices. The inspection did not discover evidence of substantial structural movement.

### General Comments

No major defects were observed in the accessible structural components of the house.

## RECOMMENDATIONS / OBSERVATIONS

### Foundation

- **Monitor:** Common minor settlement cracks were observed in the foundation walls. This implies that some structural movement of the building has occurred. Cracks of this type should be watched for any sign of additional movement. In the absence of any sign of ongoing movement, repair should not be necessary.
- **Monitor:** The basement floor slab has typical cracks usually the result of shrinkage and/or settling of the slab as it cures. Shrinkage cracks are very common and are not normally a concern.

## LIMITATIONS OF STRUCTURE INSPECTION

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As we have discussed and as described in your inspection contract, this is a visual inspection limited in scope by (but not restricted to) the following conditions:

- Structural components concealed behind finished surfaces could not be inspected.
- Only a representative sampling of visible structural components were inspected.
- Furniture and/or storage restricted access to some structural components.
- Engineering or architectural services such as calculation of structural capacities, adequacy, or integrity are not part of a home inspection.
- There was no access to the roof space/attic.

Please also refer to the pre-inspection contract for a detailed explanation of the scope of this inspection.

# Roofing

## DESCRIPTION OF ROOFING

<b>Roof Covering:</b>	•Asphalt Shingle
<b>Chimneys:</b>	•None
<b>Roof Drainage System:</b>	•Aluminum •Downspouts discharge above grade
<b>Skylights:</b>	•None
<b>Method of Inspection:</b>	•Walked on roof

## ROOFING OBSERVATIONS

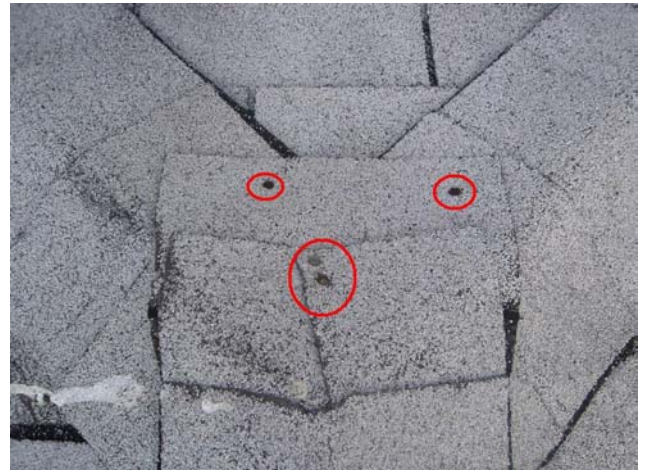
### Positive Attributes

The roof coverings are to be in generally good condition. During re-roofing, it appears that the old roofing materials were removed before the installation of the existing roofing materials. Where investigated, eave protection has been installed below the sloped roof coverings. This reduces the risk of roof leakage, should ice damming develop in the winter.

### RECOMMENDATIONS / OBSERVATIONS

#### Sloped Roofing

- **Repair:** Exposed nail heads were observed in the roofing shingles and/or ridge caps. All exposed nail heads should be caulked to reduce the potential of leaks.



- **Monitor:** Missing tabs observed at ridge cap. These areas should be monitored closely, especially after instances of high wind.



### Flashings

- **Improve:** The furnace vent flashing is rusting. Recommend it be painted to extend its life. **Repaired (painted)**



### Gutters & Downspouts

- **Repair:** The gutters require cleaning to avoid spilling roof runoff around the building – a potential source of water entry or water damage.



## LIMITATIONS OF ROOFING INSPECTION

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As we have discussed and as described in your inspection contract, this is a visual inspection limited in scope by (but not restricted to) the following conditions:

- Not all of the underside of the roof sheathing is inspected for evidence of leaks.
- Evidence of prior leaks may be disguised by interior finishes.
- Estimates of remaining roof life are approximations only and do not preclude the possibility of leakage. Leakage can develop at any time and may depend on rain intensity, wind direction, ice build up, and other factors.
- Antennae, chimney/flue interiors which are not readily accessible are not inspected and could require repair.
- Roof inspection may be limited by access, condition, weather, or other safety concerns.

Please also refer to the pre-inspection contract for a detailed explanation of the scope of this inspection.

# Exterior

## DESCRIPTION OF EXTERIOR

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<b>Wall Covering:</b>	•Brick •Wood Siding •Board & Bat
<b>Eaves, Soffits, And Fascias:</b>	•Wood
<b>Exterior Doors:</b>	•Metal
<b>Window/Door Frames and Trim:</b>	•Wood
<b>Entry Driveways:</b>	•Concrete
<b>Entry Walkways And Patios:</b>	•Concrete
<b>Porches, Decks, Steps, Railings:</b>	•Concrete •Wood
<b>Overhead Garage Door(s):</b>	•Wood •Automatic Opener Installed
<b>Surface Drainage:</b>	•Level Grade •Graded Away From House
<b>Retaining Walls:</b>	•Wood
<b>Fencing:</b>	•Chain Link

## EXTERIOR OBSERVATIONS

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### Positive Attributes

The exterior siding that has been installed on the house is relatively low maintenance. Window frames are clad, for the most part, with a low maintenance material. The wood window frames are in generally good condition. There is no significant wood/soil contact around the perimeter of the house, thereby reducing the risk of insect infestation or rot. The garage completely finished. Freeze resistant hose bibs (exterior faucets) have been installed.

### General Comments

The exterior of the home is generally in good condition.

## RECOMMENDATIONS / OBSERVATIONS

### Exterior Walls

- **Monitor, Repair:** Localized minor rot was observed in the siding (example at bottom edge where siding has not been painted). Following repair of the damaged areas (which should be combined with exterior painting/maintenance) proper maintenance of the siding and control of water from roof or surface runoff can avoid further damage.
- **Monitor:** Localized rot was observed in the trim around the garage overhead door (lower trim corner). Following repair of the damaged areas (which should be combined with exterior painting/maintenance) proper maintenance of the siding and control of water from roof or surface runoff can avoid further damage.
- **Repair:** Localized paint needed at bottom edge of siding to prevent water damage and rot. **Repaired**

### Garage

- **Repair, Safety Issue:** No safety springs/cables were noted on the garage door springs. The installation of the springs/cables would improve safety during operation. **Repaired**
- **Repair:** The west garage door opener needs adjustment. It should be repaired as necessary. **Repaired**
- **Repair, Safety Issue:** The garage door openers did not automatically reverse under resistance to closing. ***There is a serious risk of injury, particularly to children, under this condition.*** The opener may need replacement.
- **Monitor:** The garage floor slab has typical cracks usually the result of shrinkage and/or settling of the slab as it cures. Shrinkage cracks are very common and are not normally a concern.

### Lot Drainage

- **Monitor:** The grading should be maintained to promote the flow of storm water away from the house. This can often be accomplished by the addition of top soil. The ground should slope away from the house at a rate of one inch per foot for at least the first ten feet. At least eight (8) inches of clearance should be maintained between soil level and the bottom of exterior wall siding.

#### **Porch/Steps**

- **Monitor:** The porch and front steps have typical cracks usually the result of shrinkage and/or settling of the slab as it cures. Shrinkage cracks are very common and are not normally a concern.

#### **Deck**

- **Repair, Safety Issue:** Nail pops in the deck floor were observed. This is a safety issue and the nails should be hammered flush. **Repaired**
- **Repair:** The deck should be better secured to the house using lag bolts/screws to reduce risk of separating from the house. **Repaired**
- **Repair, Safety Issue:** The deck railing baluster is loose and needs repair. **Repaired**

#### **Driveway**

- **Monitor:** The driveway has settled and cracked. Persisting movement may result in the need for repairs.

#### **Walkway**

- **Repair, Safety Issue:** The public walkway presents a trip hazard. This condition should be altered for improved safety.

### **LIMITATIONS OF EXTERIOR INSPECTION**

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As we have discussed and as described in your inspection contract, this is a visual inspection limited in scope by (but not restricted to) the following conditions:

- A representative sample of exterior components was inspected rather than every occurrence of components.
- The inspection does not include an assessment of geological, geotechnical, or hydrological conditions, or environmental hazards.
- Screening, shutters, awnings, or similar seasonal accessories, fences, recreational facilities, outbuildings, seawalls, break-walls, docks, erosion control and earth stabilization measures are not inspected unless specifically agreed-upon and documented in this report.
- Automobile(s) in the garage restricted the inspection.
- Storage in the garage restricted the inspection.

Please also refer to the pre-inspection contract for a detailed explanation of the scope of this inspection.

# Electrical

## DESCRIPTION OF ELECTRICAL

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<b>Size of Electrical Service:</b>	•120/240 Volt Main Service - Service Size: 200 Amps
<b>Service Drop:</b>	•Overhead
<b>Service Entrance Conductors:</b>	•Copper
<b>Service Equipment &amp; Main Disconnects:</b>	•Main Service Rating 100 Amps •Breakers •Located: Unfinished basement
<b>Service Grounding:</b>	•Aluminum-Bare •Water Pipe Connection
<b>Service Panel &amp; Overcurrent Protection:</b>	•Panel Rating: 100 Amp •Breakers •Located: Unfinished basement
<b>Sub-Panel(s):</b>	•None Visible
<b>Distribution Wiring:</b>	•Copper
<b>Wiring Method:</b>	• Non-Metallic Cable "Romex"
<b>Switches &amp; Receptacles:</b>	•Grounded
<b>Ground Fault Circuit Interrupters:</b>	•None Found
<b>Smoke Detectors:</b>	•Present

## ELECTRICAL OBSERVATIONS

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### Positive Attributes

The size of the electrical service is sufficient for typical single family needs. The electrical panel is well arranged and all fuses/breakers are properly sized. Generally speaking, the electrical system is in good order. All outlets and light fixtures that were tested operated satisfactorily. The distribution of electricity within the home is good. All 3-prong outlets that were tested were appropriately grounded. Dedicated 220 volt circuits have been provided for all 220 volt appliances within the home. All visible wiring within the home is copper. This is a good quality electrical conductor.

### General Comments

Inspection of the electrical system revealed the need for typical, minor repairs. Although these are not costly to repair, they should be high priority for safety reasons. *Unsafe electrical conditions represent a shock hazard.* A licensed electrician should be consulted to undertake the repairs recommended below.

## RECOMMENDATIONS / OBSERVATIONS

### Distribution Wiring

- **Repair:** All junction boxes should be fitted with cover plates, in order to protect the wire connections (example at unfinished basement ceiling). **Repaired**
- **Monitor, Improve, Safety Issue:** The installation of the distribution wiring below the electrical panel at east basement wall is non-standard. The exposed electrical wiring should be in conduit.

### Outlets

- **Repair:** An outlet at the kitchen counter is loose. It should be replaced. **Repaired**

## **LIMITATIONS OF ELECTRICAL INSPECTION**

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As we have discussed and as described in your inspection contract, this is a visual inspection limited in scope by (but not restricted to) the following conditions:

- Electrical components concealed behind finished surfaces are not inspected.
- Only a representative sampling of outlets and light fixtures were tested.
- Furniture and/or storage restricted access to some electrical components which may not be inspected.
- The inspection does not include remote control devices, alarm systems and components, low voltage wiring, systems, and components, ancillary wiring, systems, and other components which are not part of the primary electrical power distribution system.

Please also refer to the pre-inspection contract for a detailed explanation of the scope of this inspection.

# Heating

## DESCRIPTION OF HEATING

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<b>Energy Source:</b>	•Gas
<b>Heating System Type:</b>	•Forced Air Furnace •Manufacturer: Airtemp •Serial Number: 08402646
<b>Vents, Flues, Chimneys:</b>	•Metal-Single Wall
<b>Heat Distribution Methods:</b>	•Ductwork
<b>Other Components:</b>	•Humidifier

## HEATING OBSERVATIONS

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### Positive Attributes

The heating system is in generally good condition. Heating a home with a this type of heating system should be relatively economical. Adequate heating capacity is provided by the system. Heat distribution within the home is adequate.

### General Comments

The heating system is old and may be approaching the end of its life.

## RECOMMENDATIONS / OBSERVATIONS

### Furnace

- **Monitor:** Given the age of the furnace, it may be near the end of its useful life. You should reserve funds to be ready to purchase a new furnace.

## LIMITATIONS OF HEATING INSPECTION

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As we have discussed and as described in your inspection contract, this is a visual inspection limited in scope by (but not restricted to) the following conditions:

- The adequacy of heat supply or distribution balance is not inspected.
- The interior of flues or chimneys which are not readily accessible are not inspected.
- The furnace heat exchanger, humidifier, or dehumidifier, and electronic air filters are not inspected.
- Solar space heating equipment/systems are not inspected.

Please also refer to the pre-inspection contract for a detailed explanation of the scope of this inspection.

# Cooling / Heat Pumps

## DESCRIPTION OF COOLING / HEAT PUMPS

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<b>Energy Source:</b>	•Electricity
<b>Central System Type:</b>	•Air Cooled Central Air Conditioning •Manufacturer: Lennox
	•Serial Number: Illegible information plate
<b>Size of Circuit:</b>	•Breaker Size In Main Panel: Unmarked

## COOLING / HEAT PUMPS OBSERVATIONS

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### Positive Attributes

The capacity and configuration of the system should be sufficient for the home. The location of the return air vents is well suited to air conditioning. The system responded properly to operating controls.

### General Comments

As the system is old, it may require repairs or replacement soon.

## RECOMMENDATIONS / OBSERVATIONS

### Central Air Conditioning

- **Monitor:** As is not uncommon for homes of this age and location, the air conditioning system is old. It may require a slightly higher level of maintenance, and may be more prone to major component breakdown. Predicting the frequency or time frame for repairs on any mechanical device is virtually impossible.
- **Monitor:** The fins of the outdoor portion of the air conditioning system were observed to be damaged. This condition can reduce the efficiency of the system.

## LIMITATIONS OF COOLING / HEAT PUMPS INSPECTION

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As we have discussed and as described in your inspection contract, this is a visual inspection limited in scope by (but not restricted to) the following conditions:

- Window mounted air conditioning units are not inspected.
- The cooling supply adequacy or distribution balance are not inspected.

Please also refer to the pre-inspection contract for a detailed explanation of the scope of this inspection.

# Insulation / Ventilation

## DESCRIPTION OF INSULATION / VENTILATION

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<b>Attic Insulation:</b>	•Not Visible (storage in closet prevented attic entrance)
<b>Roof Cavity Insulation:</b>	•Not Visible
<b>Exterior Wall Insulation:</b>	•Not Visible
<b>Basement Wall Insulation:</b>	•Not Visible
<b>Vapor Retarders:</b>	•Kraft Paper
<b>Roof Ventilation:</b>	•Roof Vents •Soffit Vents
<b>Exhaust Fan/vent Locations:</b>	•Bathroom •Dryer

## INSULATION / VENTILATION OBSERVATIONS

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### RECOMMENDATIONS / ENERGY SAVING SUGGESTIONS

## LIMITATIONS OF INSULATION / VENTILATION INSPECTION

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As we have discussed and as described in your inspection contract, this is a visual inspection limited in scope by (but not restricted to) the following conditions:

- Insulation/ventilation type and levels in concealed areas are not inspected. Insulation and vapor barriers are not disturbed and no destructive tests (such as cutting openings in walls to look for insulation) are performed.
- Potentially hazardous materials such as Asbestos and Urea Formaldehyde Foam Insulation (UFFI) cannot be positively identified without a detailed inspection and laboratory analysis. This is beyond the scope of the inspection.
- An analysis of indoor air quality is not part of our inspection unless explicitly contracted-for and discussed in this or a separate report.
- Any estimates of insulation R values or depths are rough average values.
- No access was gained to the attic.

Please also refer to the pre-inspection contract for a detailed explanation of the scope of this inspection.

# Plumbing

## DESCRIPTION OF PLUMBING

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<b>Water Supply Source:</b>	•Public Water Supply
<b>Service Pipe to House:</b>	•Copper
<b>Main Water Valve Location:</b>	•Front Wall of Basement
<b>Interior Supply Piping:</b>	•Copper
<b>Waste System:</b>	•Public Sewer System
<b>Drain, Waste, &amp; Vent Piping:</b>	•Copper •Cast Iron
<b>Water Heater:</b>	•Gas •Approximate Capacity (in gallons): 40 •Manufacturer: American •Serial Number: 9409127656
<b>Fuel Shut-Off Valves:</b>	•Natural Gas Main Valve At Meter

## PLUMBING OBSERVATIONS

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### Positive Attributes

The plumbing system is in generally good condition. The piping system within the home, for both supply and waste, is a good quality system. The water pressure supplied to the fixtures is above average. Only a slight drop in flow was experienced when two fixtures were operated simultaneously. Some of the plumbing fixtures within the home have been upgraded. The plumbing fixtures appear to have been well-maintained.

### General Comments

The plumbing system requires some typical minor improvements.

## RECOMMENDATIONS / OBSERVATIONS

### Water Heater

- **Monitor:** Water heaters have a typical life expectancy of 7 to 12 years. The existing unit is approaching or has exceeded this age range. One cannot predict with certainty when replacement will become necessary.
- **Repair:** The discharge piping serving the Temperature and Pressure Relief (TPR) Valve for the water heater should terminate not less than 6 inches or more than 24 inches above the floor. **Repaired**

### Plumbing Fixtures

- **Repair:** The hall bathroom shower head is leaky. **Repaired**
- **Improve:** Cracked, deteriorated and/or missing hall bathroom shower stall grout should be replaced. **Repaired**
- **Monitor:** Previous leakage at water heater shutoff handle was noted.

## LIMITATIONS OF PLUMBING INSPECTION

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As we have discussed and as described in your inspection contract, this is a visual inspection limited in scope by (but not restricted to) the following conditions:

- Portions of the plumbing system concealed by finishes and/or storage (below sinks, etc.), below the structure, or beneath the ground surface are not inspected.
- Water quantity and water quality are not tested unless explicitly contracted-for and discussed in this or a separate report.
- Clothes washing machine connections are not inspected.
- Interiors of flues or chimneys which are not readily accessible are not inspected.
- Water conditioning systems, solar water heaters, fire and lawn sprinkler systems, and private waste disposal systems are not inspected unless explicitly contracted-for and discussed in this or a separate report.

Please also refer to the pre-inspection contract for a detailed explanation of the scope of this inspection.

# Interior

## DESCRIPTION OF INTERIOR

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<b>Wall And Ceiling Materials:</b>	•Drywall
<b>Floor Surfaces:</b>	•Carpet •Tile •Vinyl/Resilient •Wood •Concrete
<b>Window Type(s) &amp; Glazing:</b>	•Double/Single Hung •Thermal Pane •Single Pane with Storm Window
<b>Doors:</b>	•Plastic-Hollow Core •Metal •Sliding Glass •Storm Door(s)

## INTERIOR OBSERVATIONS

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### General Condition of Interior Finishes

On the whole, the interior finishes of the home are in average condition. Typical flaws were observed in some areas.

### General Condition of Windows and Doors

The majority of the doors and windows are good quality.

### General Condition of Floors

The floors of the home are relatively level and walls are relatively plumb.

## RECOMMENDATIONS / OBSERVATIONS

### Wall / Ceiling Finishes

- **Monitor:** Damage to the interior finish was observed at storage area below the basement steps.
- **Monitor:** Typical drywall flaws were observed that could include rough seams, nail popping, minor patching, etc. Any repairs would be discretionary.
- **Monitor:** Loose drywall was detected at the garage ceiling.

### Floors

- **Monitor:** The tile floor in the main floor hall bathroom is cracked.
- **Monitor:** Minor damage to the vinyl flooring in the kitchen and laundry area was noted.
- **Monitor:** The carpet is stained.

### Windows

- **Monitor:** Some of the window(s) are painted shut. Improvement can be undertaken as desired. Renovations were in progress at the time of the inspection.
- **Repair:** Window hardware is missing (example in kitchen). Renovations were in progress at the time of the inspection.
- **Monitor, Repair:** It may be desirable to replace window storms and screens where missing. The owner should be consulted regarding any screens that may be in storage.
- **Monitor:** Minor damage to the kitchen window sill woodwork was noted

### Doors

- **Repair:** Doors should be trimmed or adjusted as necessary to work properly (example at laundry room door). **Repaired**
- **Repair:** Door(s) should be adjusted as necessary to latch properly (example at slider screen door latch). **Repaired**
- **Repair:** The weather strip on the exterior garage man door is damaged and/or missing. Repair is needed.

### Kitchen Cabinets

- **Repair:** Missing cabinet door latches in the kitchen should be repaired.

### Stairways

- **Repair, Safety Issue:** For improved safety, it is recommended that a handrail be provided for the basement stairway.

### Basement Leakage

- **Monitor:** No evidence of moisture penetration was visible in the basement at the time of the inspection. *It should be understood that it is impossible to predict whether moisture penetration will pose a problem in the future.* The vast majority of basement leakage problems are the result of insufficient control of storm water at the surface. The ground around the house should be sloped to encourage water to flow away from the foundation. Gutters and downspouts should act to collect roof water and drain the water at least five (5) feet from the foundation or into a functional storm sewer. Downspouts that are clogged or broken below grade level, or that discharge too close to the foundation are the most common source of basement leakage. Please refer to the Roofing and Exterior sections of the report for more information.

In the event that basement leakage problems are experienced, lot and roof drainage improvements should be undertaken as a first step. Please beware of contractors who recommend expensive solutions. Excavation, damp-proofing and/or the installation of drainage tiles should be a last resort. In some cases, however, it is necessary. Your plans for using the basement may also influence the approach taken to curing any dampness that is experienced.

## LIMITATIONS OF INTERIOR INSPECTION

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As we have discussed and as described in your inspection contract, this is a visual inspection limited in scope by (but not restricted to) the following conditions

- Furniture, storage, appliances and/or wall hangings are not moved to permit inspection and may block defects.
- Carpeting, window treatments, central vacuum systems, household appliances, recreational facilities, paint, wallpaper, and other finish treatments are not inspected.
- Portions of the foundation walls were concealed from view.

Please also refer to the pre-inspection contract for a detailed explanation of the scope of this inspection.

# Appliances

## DESCRIPTION OF APPLIANCES

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<b>Appliances Tested:</b>	•Electric Range •Electric Cooktop •Microwave Oven •Dishwasher •Waste Disposer •Refrigerator
<b>Laundry Facility:</b>	•Dryer Vented to Building Exterior •Hot and Cold Water Supply for Washer
<b>Other Components Tested:</b>	•Waste Standpipe for Washer •Door Bell

## APPLIANCES OBSERVATIONS

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### Positive Attributes

The appliances are to be in generally good condition. All appliances that were tested responded satisfactorily. The kitchen and laundry facilities are well organized. The kitchen cabinetry is above average quality. The fixtures employed in the kitchen are high quality.

### RECOMMENDATIONS / OBSERVATIONS

## LIMITATIONS OF APPLIANCES INSPECTION

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As we have discussed and as described in your inspection contract, this is a visual inspection limited in scope by (but not restricted to) the following conditions

- Thermostats, timers and other specialized features and controls are not tested.
- The temperature calibration, functionality of timers, effectiveness, efficiency and overall performance of appliances is outside the scope of this inspection.

Please also refer to the pre-inspection contract for a detailed explanation of the scope of this inspection.