



**Star
Home
Inspection Services**

Home Inspection Report

512 NW Ambersham Dr Lees Summit, MO 64081

Inspection Date: 10/22/2009

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Report Overview

THE HOUSE IN PERSPECTIVE

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

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 east.

IMPROVEMENT RECOMMENDATION HIGHLIGHTS / SUMMARY

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.

Floors

- **Monitor:** Construction mold was visible on some floor joists (i.e. southeast corner of basement). This is mold that grows on the lumber while lying in the weather during construction. Most homes have some level of this mold and it goes dormant once removed from the elements and normally does not present any problems. It can be easily mitigated if desired.
- **Monitor, Repair:** Subflooring at southeast corner of unfinished basement below kitchen east windows shows evidence of minor rot (supporting layer of flooring atop floor joists and below finish flooring or carpeting). Where only limited areas of damage exist this repair can be deferred until combined with other carpentry work at the property.

Flashings

- **Repair:** The installation of the flashing is incomplete (kick-out /diverter flashings are needed) at several locations and should be repaired to avoid leaks (i.e. front area south gutter near porch, corner over garage and at chimney siding flashing).
- **Monitor:** The skylight flashing should be carefully monitored. Skylight flashings are extremely vulnerable to leakage.

Gutters & Downspouts

- **Improve:** The gutters require cleaning at localized areas to avoid spilling roof runoff around the building – a potential source of water entry or water damage
- **Repair:** The downspout(s) should discharge water at least five (5) feet from the house. Storm water should be encouraged to flow away from the building at the point of discharge (i.e. garage northwest corner). **Repaired (added shed downspout extension)**

Exterior Walls

- **Monitor:** Localized minor cosmetic damage of the metal siding was observed.
- **Monitor, Note:** While stucco is an aesthetically appealing and maintenance free product, it has a tendency to present moisture issues from water intrusion, especially when not applied properly or when the surface has been compromised.

How does water intrusion occur?

Water intrusion occurs through and/or around building components such as windows, doors, gable vents, penetrations, and a variety of flashing and construction details. Water intrusion also occurs when maintenance is ignored for these components and other critical areas, such as caulk joints. It is important to discover the occurrence of water intrusion, because water can enter behind the cladding and wet unprotected sheathing, and in some cases, the wood structural members. Depending upon climate and the overall make-up of the wall assembly, the wall may not readily dry out. As water intrusion continues to occur undetected in a particular area, it can accrue to levels substantial enough to cause damage. Early detection of water intrusion is the key to minimizing and preventing such damage.

Is the location of water entry visible, and is the damage visible?

The location of water entry is often difficult to see, and the damage to the substrate and structural members behind the exterior wall cladding frequently cannot be detected by a visual inspection.

Should I have my stucco home periodically checked for elevated moisture levels?

Yes, but testing for moisture using invasive methods (probing) is not part of this inspection. Testing should be done at least annually. A combination of two moisture meters should be used: (1) a non-invasive meter that scans through the wall without penetrating the stucco lamina, and (2) a probe-type meter that penetrates the stucco lamina and gives moisture readings of materials in contact with the probes. Only a professional experienced in stucco water intrusion inspections should perform these tests and consequently is not part of a general home inspection such as this.

Garage

- **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.

Deck

- **Monitor, Repair:** Some of the support posts for the deck are below the soil. This configuration is prone to rot. Raising above soil level is recommended. The potential of rot could already be present.

Lot Drainage

- **Repair:** The grading should be improved 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 five feet. At least eight (8) inches of clearance should be maintained between soil level and the bottom of exterior wall siding. ***It should be understood that it is impossible to predict whether moisture penetration will pose a problem in the future.***

Porch/Patio

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

Main Panel

- **Repair:** Any openings in the main panel should be covered. **Repaired**

Distribution Wiring

- **Repair:** Loose cable and phone wiring in the unfinished basement should be secured. **Repaired**

Outlets

- **Repair:** A GFCI outlet at the south side of the deck marked "H/G REV" has reversed hot and ground wires (i.e. it is wired backwards). This outlet and the circuit should be investigated and repaired as necessary.
- **Repair:** A ground fault circuit interrupter (GFCI) outlet at the north side of the deck marked "FAILED TEST" with blue tape did not respond correctly to testing during the inspection. This receptacle should be replaced.
- **Repair:** Missing outlet cover plates should be replaced to avoid a shock hazard (i.e. southeast unfinished basement). **Repaired**

Smoke Detectors

- **Repair, Safety Issue:** The smoke detector in the furnace room did not respond to testing. **Repaired**

Furnace

- **Improve:** The dirty air filters should be replaced. **Repaired**

Central Air Conditioning

- **Repair:** Damaged insulation on south unit refrigerant lines should be repaired. **Repaired**
- **Improve:** The outdoor unit of the north air conditioning system requires cleaning.
- **Monitor:** The fins of the outdoor portion of the air conditioning systems 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**

Supply Plumbing

- **Repair:** The supply piping to the sink at the bath near garage entry is leaking. **Repaired**

Waste / Vent

- **Repair:** The drain pipe below the upstairs hall bath sink is leaking.

Plumbing Fixtures

- **Repair:** The kitchen sink faucet is leaking.
- **Repair:** The master bath toilet is loose.
- **Improve:** Cracked, deteriorated and/or missing shower stall grout at the upstairs hall bath tub tile should be replaced.
- **Repair:** The deck hose bib is inoperative.

Sump Pump

- **Repair:** The sump pump is inoperative and should be repaired or replaced as necessary.

Wall / Ceiling Finishes

- **Monitor, Repair:** Damaged and/or missing suspended tile ceiling panels should be replaced. **Repaired (replaced damaged tiles)**
- **Monitor:** Typical drywall flaws were observed that could include loose tape, minor cracks, rough seams, nail popping, minor patching, etc. Any repairs would be discretionary. Overall condition is above average.
- **Monitor:** Minor surface wear noted at master bath mirror.

Floors

- **Monitor, Repair:** The vinyl flooring in the upstairs hall bath is stained/damaged
- **Monitor:** The carpet shows typical wear and/or soiled spots and stains.
- **Monitor, Repair:** The trim is loose in the kitchen below the window.

Windows

- **Monitor:** It may be desirable to replace window screens where missing. The owner should be consulted regarding any screens that may be in storage.

Doors

- **Repair:** Doors should be trimmed or adjusted as necessary to work/latch properly (i.e. sunroom sliders, French door to master bedroom and upstairs hall closet). **Repaired**
- **Monitor:** The screen for the sliding glass doors are missing. **Repaired**

Counters

- **Repair:** The kitchen countertop is damaged.
- **Monitor, Repair:** Surface wear was noted at the master bath counter.

Stairways

- **Repair, Safety Issue:** The openings in the stairway railing are large enough to allow a child to fall through. It is recommended that this condition be altered for improved safety.

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. If another rain occurs before closing, it's recommended the basement be viewed again for any signs of moisture penetration.

SCOPE OF THE INSPECTION

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

Wet weather conditions prevailed at the time of the inspection.

The estimated outside temperature was 59 degrees F.

RECENT WEATHER CONDITIONS

Wet weather conditions have been experienced in the days leading up to the inspection.

Structure

DESCRIPTION OF STRUCTURE

Foundation:	•Poured Concrete •Basement Configuration •65% Of Foundation Was Not Visible From Inside Due To Finished Walls and/or Storage
Columns:	•Steel
Floor Structure:	•Wood Joist •Concrete
Wall Structure:	•Wood Frame, Brick Veneer
Ceiling Structure:	•Joist •Rafters
Roof Structure:	•Rafters •Waferboard Sheathing Over Spaced Plank Sheathing

STRUCTURE OBSERVATIONS

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.

Floors

- **Monitor:** Construction mold was visible on some floor joists (i.e. southeast corner of basement). This is mold that grows on the lumber while lying in the weather during construction. Most homes have some level of this mold and it goes dormant once removed from the elements and normally does not present any problems. It can be easily mitigated if desired.



- **Monitor, Repair:** Subflooring at southeast corner of unfinished basement below kitchen east windows shows evidence of minor rot (supporting layer of flooring atop floor joists and below finish flooring or carpeting). Where only limited areas of damage exist this repair can be deferred until combined with other carpentry work at the property.



LIMITATIONS OF STRUCTURE INSPECTION

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.

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

Roofing

DESCRIPTION OF ROOFING

Roof Covering:	•Asphalt Shingle
Roof Flashings:	•Metal
Chimneys:	•Metal below siding
Roof Drainage System:	•Aluminum •Downspouts discharge above & below grade
Skylights:	•Curb-Type
Method of Inspection:	•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. The installation of the roofing materials has been performed in a professional manner. The quality of the installation is above average. Better than average quality materials have been employed as roof coverings. The steep pitch of the roof should result in a longer than normal life expectancy for roof coverings.

RECOMMENDATIONS / OBSERVATIONS

Flashings

- **Repair:** The installation of the flashing is incomplete (kick-out /diverter flashings are needed) at several locations and should be repaired to avoid leaks (i.e. front area south gutter near porch, corner over garage and at chimney siding flashing).





- **Monitor:** The skylight flashing should be carefully monitored. Skylight flashings are extremely vulnerable to leakage.



Gutters & Downspouts

- **Improve:** The gutters require cleaning at localized areas to avoid spilling roof runoff around the building – a potential source of water entry or water damage
- **Repair:** The downspout(s) should discharge water at least five (5) feet from the house. Storm water should be encouraged to flow away from the building at the point of discharge (i.e. garage northwest corner). **Repaired (added extension downspout near shed)**

LIMITATIONS OF ROOFING INSPECTION

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.
- The roof surface was wet. This condition can restrict a proper assessment of the condition of the roofing materials.
- Unfavorable weather restricted the inspection of the roofing system.

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

Exterior

DESCRIPTION OF EXTERIOR

Wall Covering:	•Brick •Stucco •Metal Siding
Eaves, Soffits, And Fascias:	•Aluminum
Exterior Doors:	•Solid Wood •Sliding Glass •French Doors
Window/Door Frames and Trim:	•Wood
Entry Driveways:	•Concrete
Entry Walkways And Patios:	•Concrete
Porches, Decks, Steps, Railings:	•Concrete •Wood
Overhead Garage Door(s):	•Plastic •Automatic Opener Installed
Surface Drainage:	•Level Grade •Graded Away From House
Retaining Walls:	•None
Fencing:	•Wood

EXTERIOR OBSERVATIONS

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 aluminum soffits and fascia are a low-maintenance feature of the exterior of the home. There is no significant wood/soil contact around the perimeter of the house, thereby reducing the risk of insect infestation or rot. The auto reverse mechanism on the overhead garage door responded properly to testing. This safety feature should be tested regularly as a door that doesn't reverse can injure someone or fall from the ceiling. Refer to the owner's manual or contact the manufacturer for more information. The driveway and walkways are in good condition. 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:** Localized minor cosmetic damage of the metal siding was observed.



- **Monitor, Note:** While stucco is an aesthetically appealing and maintenance free product, it has a tendency to present moisture issues from water intrusion, especially when not applied properly or when the surface has been compromised.

How does water intrusion occur?

Water intrusion occurs through and/or around building components such as windows, doors, gable vents, penetrations, and a variety of flashing and construction details. Water intrusion also occurs when maintenance is ignored for these components and other critical areas, such as caulk joints. It is important to discover the occurrence of water intrusion, because water can enter behind the cladding and wet unprotected sheathing, and in some cases, the wood structural members. Depending upon climate and the overall make-up of the wall assembly, the wall may not readily dry out. As water intrusion continues to occur undetected in a particular area, it can accrue to levels substantial enough to cause damage. Early detection of water intrusion is the key to minimizing and preventing such damage.

Is the location of water entry visible, and is the damage visible?

The location of water entry is often difficult to see, and the damage to the substrate and structural members behind the exterior wall cladding frequently cannot be detected by a visual inspection.

Should I have my stucco home periodically checked for elevated moisture levels?

Yes, but testing for moisture using invasive methods (probing) is not part of this inspection. Testing should be done at least annually. A combination of two moisture meters should be used: (1) a non-invasive meter that scans through the wall without penetrating the stucco lamina, and (2) a probe-type meter that penetrates the stucco lamina and gives moisture readings of materials in contact with the probes. Only a professional experienced in stucco water intrusion inspections should perform these tests and consequently is not part of a general home inspection such as this.

Garage

- **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.

Deck

- **Monitor, Repair:** Some of the support posts for the deck are below the soil. This configuration is prone to rot. Raising above soil level is recommended. The potential of rot could already be present.

Lot Drainage

- **Repair:** The grading should be improved 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 five feet. At least eight (8) inches of clearance should be maintained between soil level and the bottom of exterior wall siding. *It should be understood that it is impossible to predict whether moisture penetration will pose a problem in the future.*



Porch/Patio

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

LIMITATIONS OF EXTERIOR INSPECTION

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.
- Access below decks and/or porches was extremely limited.
- Unfavorable weather restricted the inspection of the roofing system.

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

Electrical

DESCRIPTION OF ELECTRICAL

Size of Electrical Service:	•120/240 Volt Main Service - Service Size: 200 Amps
Service Drop:	•Underground
Service Entrance Conductors:	•Aluminum
Service Equipment & Main Disconnects:	•Main Service Rating 200 Amps •Breakers •Located: Garage
Service Grounding:	•Copper •Water Pipe Connection
Service Panel & Overcurrent Protection:	•Panel Rating: 200 Amp •Breakers •Located: Garage
Sub-Panel(s):	•None Visible
Distribution Wiring:	•Copper
Wiring Method:	• Non-Metallic Cable "Romex"
Switches & Receptacles:	•Grounded
Ground Fault Circuit Interrupters:	•Bathroom(s) •Exterior •Garage •Electrical Panel
Smoke Detectors:	•Present

ELECTRICAL OBSERVATIONS

Positive Attributes

The size of the electrical service is sufficient for typical single family needs. Generally speaking, the electrical system is in good order. 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

Main Panel

- **Repair:** Any openings in the main panel should be covered. **Repaired**

Distribution Wiring

- **Repair:** Loose cable and phone wiring in the unfinished basement should be secured. **Repaired**

Outlets

- **Repair:** A GFCI outlet at the south side of the deck marked "H/G REV" has reversed hot and ground wires (i.e. it is wired backwards). This outlet and the circuit should be investigated and repaired as necessary.
- **Repair:** A ground fault circuit interrupter (GFCI) outlet at the north side of the deck marked "FAILED TEST" with blue tape did not respond correctly to testing during the inspection. This receptacle should be replaced.
- **Repair:** Missing outlet cover plates should be replaced to avoid a shock hazard (i.e. southeast unfinished basement). **Repaired**

Smoke Detectors

- **Repair, Safety Issue:** The smoke detector in the furnace room did not respond to testing. **Repaired**

Discretionary Improvements

The installation of ground fault circuit interrupter (GFCI) devices is advisable on exterior, garage, bathroom and some kitchen outlets. Any whirlpool or swimming pool equipment should also be fitted with GFCI's as they offer protection from shock or electrocution.

LIMITATIONS OF ELECTRICAL INSPECTION

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

Energy Source:	•Gas •Electricity (Sunroom Furnace in Attic)
Heating System Type:	•Forced Air Furnace •Manufacturer: Lennox •Serial Number: 5803C 14145
Heating System Type:	•Forced Air Furnace (Electric) •Manufacturer: Lennox •Serial Number: 5898J 16109
Vents, Flues, Chimneys:	•Metal-Single Wall
Heat Distribution Methods:	•Ductwork
Other Components:	•Humidifier (Furnace in Basement)

HEATING OBSERVATIONS

Positive Attributes

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. The heating system is controlled by a “set back” thermostat. This type of thermostat, if set up correctly, helps reduce heating costs.

General Comments

The heating system shows no visible evidence of major defects.

RECOMMENDATIONS / OBSERVATIONS

Furnace

- **Improve:** The dirty air filters should be replaced. **Repaired**

LIMITATIONS OF HEATING INSPECTION

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

Energy Source:	•Electricity
Central System Type:	•Air Cooled Central Air Conditioning (South Unit) •Manufacturer: Lennox •Serial Number: 5898H01393
Size of Circuit:	•Circuit Size: Minimum Circuit Size 13.8 Amps Maximum Circuit Breaker Size 20 Amps •Breaker Size In Main Panel: Unmarked
Energy Source:	•Electricity
Central System Type:	•Air Cooled Central Air Conditioning (North Unit) •Manufacturer: Lennox •Serial Number: 5803A 48155
Size of Circuit:	•Circuit Size: Minimum Circuit Size 25.7 Amps Maximum Circuit Breaker Size 45 Amps •Breaker Size In Main Panel: Unmarked

COOLING / HEAT PUMPS OBSERVATIONS

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.

General Comments

The system shows no visible evidence of major defects.

RECOMMENDATIONS / OBSERVATIONS

Central Air Conditioning

- **Repair:** Damaged insulation on south unit refrigerant lines should be repaired. **Repaired**
- **Improve:** The outdoor unit of the north air conditioning system requires cleaning.
- **Monitor:** The fins of the outdoor portion of the air conditioning systems were observed to be damaged. This condition can reduce the efficiency of the system.

LIMITATIONS OF COOLING / HEAT PUMPS INSPECTION

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.
- **The air conditioning system could not be tested as the outdoor temperature was below 60 degrees F.**

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

Insulation / Ventilation

DESCRIPTION OF INSULATION / VENTILATION

Attic Insulation:	•Loose Fiberglass/Mineral Wool in Main Attic
Roof Cavity Insulation:	•None Visible
Exterior Wall Insulation:	•Not Visible
Basement Wall Insulation:	•Fiberglass on Basement Walls
Vapor Retarders:	•Plastic
Roof Ventilation:	•Roof Vents •Soffit Vents
Exhaust Fan/vent Locations:	•Bathroom •Dryer

INSULATION / VENTILATION OBSERVATIONS

Positive Attributes

Insulation levels are typical for a home of this age and construction.

RECOMMENDATIONS / ENERGY SAVING SUGGESTIONS

LIMITATIONS OF INSULATION / VENTILATION INSPECTION

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.

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

Plumbing

DESCRIPTION OF PLUMBING

Water Supply Source:	•Public Water Supply
Service Pipe to House:	•Copper
Main Water Valve Location:	•Front Wall of Basement
Interior Supply Piping:	•Copper
Waste System:	•Public Sewer System
Drain, Waste, & Vent Piping:	•Plastic
Water Heater:	•Gas •Approximate Capacity (in gallons): 50 •Manufacturer: GE •Serial Number: 1201101463
Fuel Shut-Off Valves:	•Natural Gas Main Valve At Meter
Other Components:	•Sump Pump •Backflow Preventers on Hose Bibs

PLUMBING OBSERVATIONS

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**

Supply Plumbing

- **Repair:** The supply piping to the sink at the bath near garage entry is leaking. **Repaired**

Waste / Vent

- **Repair:** The drain pipe below the upstairs hall bath sink is leaking.

Plumbing Fixtures

- **Repair:** The kitchen sink faucet is leaking.
- **Repair:** The master bath toilet is loose.
- **Improve:** Cracked, deteriorated and/or missing shower stall grout at the upstairs hall bath tub tile should be replaced.
- **Repair:** The deck hose bib is inoperative.

Sump Pump

- **Repair:** The sump pump is inoperative and should be repaired or replaced as necessary.

LIMITATIONS OF PLUMBING INSPECTION

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

Wall And Ceiling Materials:	•Drywall •Suspended Tile
Floor Surfaces:	•Carpet •Tile •Vinyl/Resilient •Wood •Concrete
Window Type(s) & Glazing:	•Casement •Fixed Pane •Thermal Pane
Doors:	•Wood-Solid Core •Wood-Hollow Core •Sliding Glass •French Doors

INTERIOR OBSERVATIONS

General Condition of Interior Finishes

On the whole, the interior finishes of the home are in above average condition. Typical minor 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, Repair:** Damaged and/or missing suspended tile ceiling panels should be replaced. **Repaired (replaced damaged tiles)**
- **Monitor:** Typical drywall flaws were observed that could include loose tape, minor cracks, rough seams, nail popping, minor patching, etc. Any repairs would be discretionary. Overall condition is above average.
- **Monitor:** Minor surface wear noted at master bath mirror.

Floors

- **Monitor, Repair:** The vinyl flooring in the upstairs hall bath is stained/damaged
- **Monitor:** The carpet shows typical wear and/or soiled spots and stains.
- **Monitor, Repair:** The trim is loose in the kitchen below the window.

Windows

- **Monitor:** It may be desirable to replace window screens where missing. The owner should be consulted regarding any screens that may be in storage.

Doors

- **Repair:** Doors should be trimmed or adjusted as necessary to work/latch properly (i.e. sunroom sliders, French door to master bedroom and upstairs hall closet). **Repaired**
- **Monitor:** The screen for the sliding glass doors are missing. **Repaired**

Counters

- **Repair:** The kitchen countertop is damaged.
- **Monitor, Repair:** Surface wear was noted at the master bath counter.

Stairways

- **Repair, Safety Issue:** The openings in the stairway railing are large enough to allow a child to fall through. It is recommended that this condition be altered for improved safety.

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. If another rain occurs before closing, it's recommended the basement be viewed again for any signs of moisture penetration.

LIMITATIONS OF INTERIOR INSPECTION

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.
- Recent renovations and/or interior painting concealed historical evidence.
- Portions of the foundation walls were concealed from view.
- The adequacy of the fireplace draw cannot be determined during a visual inspection.

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

Appliances

DESCRIPTION OF APPLIANCES

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

APPLIANCES OBSERVATIONS

Positive Attributes

All appliances that were tested responded satisfactorily. The kitchen and laundry facilities are well organized. The kitchen cabinetry is above average quality.

RECOMMENDATIONS / OBSERVATIONS

LIMITATIONS OF APPLIANCES INSPECTION

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.

Fireplaces / Wood Stoves

DESCRIPTION OF FIREPLACES / WOOD STOVES

Fireplaces: •Gas
Vents, Flues, Chimneys: •Metal Flue-Single Wall

FIREPLACES / WOOD STOVES OBSERVATIONS

Positive Attributes

On the whole, the fireplace and it's components are in above average condition.

RECOMMENDATIONS / OBSERVATIONS

LIMITATIONS OF FIREPLACES / WOOD STOVES INSPECTION

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 interiors of flues or chimneys are not inspected.
- Firescreens, fireplace doors, appliance gaskets and seals, automatic fuel feed devices, mantles and fireplace surrounds, combustion make-up air devices, and heat distribution assists (gravity or fan-assisted) are not inspected.
- The inspection does not involve igniting or extinguishing fires nor the determination of draft.
- Fireplace inserts, stoves, or firebox contents are not moved.
- The adequacy of the fireplace draw is not determined during a visual inspection; for safety reasons, if no fire is burning we do not ignite fires nor light paper or other materials.

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