

# **MVP INSPECTORS**

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# HOME INSPECTION REPORT

1110 Nunnery Dr Miamisburg, OH 45342

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# TABLE OF CONTENTS

1: Inspection Details	5
2: Roof	6
3: Attic, Insulation & Ventilation	9
4: Exterior	12
5: Structure	16
6: Electrical	21
7: Plumbing	25
8: Heating	31
9: Cooling	33
10: Doors, Windows & Interior	35
11: Built-in Appliances	39
12: Garage	40
Standard of Practice	41

# **SUMMARY**





- 2.1.1 Roof Roof: Tree Debris On Roof
- 2.1.2 Roof Roof: Thermal Cracking
- 3.4.1 Attic, Insulation & Ventilation Roof Structure: Modifications
- 4.1.1 Exterior Vegetation, Grading, Drainage & Retaining Walls: Negative Grade
- 4.2.1 Exterior Walkways, Patios & Driveways: Walkway Negative slope
- 4.2.2 Exterior Walkways, Patios & Driveways: Signs of Past Termite Treatment
- 4.3.1 Exterior Siding, Flashing & Trim: Siding Adjustment
- 4.3.2 Exterior Siding, Flashing & Trim: Seal Openings
- 4.3.3 Exterior Siding, Flashing & Trim: Siding Repairs
- 5.1.1 Structure Foundation: Foundation Cracks Further Evaluation
- 5.1.2 Structure Foundation: Condensate-Crawl Space
- 5.1.3 Structure Foundation: Debris In Crawl
- 5.1.4 Structure Foundation: Heaving
- 5.2.1 Structure Floor Structure: Microbial Growth
- 5.2.2 Structure Floor Structure: Water Marks-Wet
- 6.2.1 Electrical Electrical Panel: Neutral & Ground Double Lugged
- 6.2.2 Electrical Electrical Panel: Knockouts Missing
- ♠ 6.4.1 Electrical Lighting, Outlets & Switches: Painted Outlets
- 6.4.2 Electrical Lighting, Outlets & Switches: No Ground Circuits (Pre-1965)
- 6.4.3 Electrical Lighting, Outlets & Switches: Damaged Outlet
- 6.4.4 Electrical Lighting, Outlets & Switches: No grounded outlet for major appliance.
- 7.2.1 Plumbing Drains & Vent System: Toilet Loose
- 7.2.2 Plumbing Drains & Vent System: Drain Leak
- 7.2.3 Plumbing Drains & Vent System: Shower Poor Drainage
- 7.2.4 Plumbing Drains & Vent System: Rusted Wasteline
- 7.3.1 Plumbing Water Supply, Distribution Systems & Fixtures: Hose Bibb-Loose
- 7.3.2 Plumbing Water Supply, Distribution Systems & Fixtures: Toilet Tank Leaking
- 7.4.1 Plumbing Hot Water Source: Drip Pan
- 7 5 1 Plumbing Fuel Storage & Distribution Systems: Corrosion

- 7.5.2 Plumbing Fuel Storage & Distribution Systems: Flex line into Furnace
- **№** 8.1.1 Heating Equipment: Furnace Cleaning
- 9.1.1 Cooling Cooling Equipment: Cold Temp-Not Tested
- 9.1.2 Cooling Cooling Equipment: Insulation Missing or Damaged
- 9.1.3 Cooling Cooling Equipment: Pet Corrosion
- 10.2.1 Doors, Windows & Interior Windows: Failed Balance
- 2 10.2.2 Doors, Windows & Interior Windows: Screen-Not Installed
- 2 10.2.3 Doors, Windows & Interior Windows: Window Caulk
- 10.2.4 Doors, Windows & Interior Windows: Mechanical Defect
- 10.2.5 Doors, Windows & Interior Windows: Tilt Hardware
- 10.3.1 Doors, Windows & Interior Floors: Moisture Damage
- 10.6.1 Doors, Windows & Interior Steps, Stairways & Railings: Attic Ladder
- 12.3.1 Garage Walls & Firewalls: Door Trim Rot

# 1: INSPECTION DETAILS

## **Information**

In Attendance

Selling Agent

Occupancy

Vacant

**Temperature** 

35-45F

**Radon Test** 

No

**Water Quality Testing** 

No

Yr. Built

64 Years (1958)

**Home Faces** 

North

**Precipitation In Last 3-Days?** 

Yes

**IAQ Testing - Mold** 

No

**Type of Building** 

Single Family, 1 Story

**Weather Conditions** 

Cloudy, Light Rain

**Soil Conditions** 

Wet

**Sewer Inspection(Video Camera)** 

No

# 2: ROOF

		IN	NI	NP	D
2.1	Roof	Χ			Χ
2.2	Flashing	Χ			
2.3	Roof Drains	Χ			
2.4	Chimney	Χ			

# **Information**

# **Roof: Inspection Method**Walked



**Roof: Material** 3-Tab(18-22Yr.), Asphalt-Fiberglass **Roof: Material Age** 15-20Yr.

**Roof: Roof Style**Gable

Chimney: Types

Metal

**Flashing: Material**Metal

Chimney: # of Vents

1

**Roof Drains: Gutter Material** 

Aluminum

#### **Roof: Stains - Algae**

The roof shingles were noted with streaks or discolored which can be caused by moisture, moss/algae, or soot. Common cause is tree cover and debris. Keeping trees thinned and remove fallen debris to allow roof to dry.

Click Here for additional information regarding algae and roof stains.



#### **Roof Drains: Add Extensions**

Its important to maintain downspout extensions to help keep water away from the structure. Extensions should extend 8-10 feet to avoid erosion and ground saturation.



#### **Deficiencies**

2.1.1 Roof

## TREE DEBRIS ON ROOF



The roof has excessive tree debris on it. This can cause improper drainage to gutters and downspouts. Recommend clearing debris from roof and gutters.

Recommendation

Contact a handyman or DIY project





#### 2.1.2 Roof

## THERMAL CRACKING



Thermal cracking visible in the roof surface of the shingles. This can be caused by heat, age, or material defects. This can shorten the life span of the roof. Recommend additional evaluation by a qualified roofing contractor.

Recommendation

Contact a qualified roofing professional.



# 3: ATTIC, INSULATION & VENTILATION

		IN	NI	NP	D
3.1	Insulation	Χ			
3.2	Ventilation	Χ			
3.3	Mechanical Vents	Χ			
3.4	Roof Structure	Χ			Χ

IN = Inspected

NI = Not Inspected

NP = Not Present

D = Deficiencies

# **Information**

**Insulation: Type** Fiberglass Batt, Compressed



**Ventilation: Attic** 

**Mechanical Vents: Bathroom** Gable Vents, Soffit Vents, Passive Vented into Attic Vents

**Mechanical Vents: Kitchen Exhaust** Vented (Outside)

**Roof Structure: Attic Inspection** Method Crawled, Limited Access/View

# **Roof Structure:** Roof Structural Components

Rafter, Plywood Sheathing



**Insulation: Thickness** 

1"-3"(R3-R7)

Insulation was estimated for thickness. For home that are 20 or more years old the insulation will be compressed or settled. Homeowner should evaluate insulation and weatherization for energy efficiency and comfort.

#### **Insulation:** Insulation Recommended

We recommend budgeting for additional insulation in the future due to previous displacement or settlement to increase comfort and efficiency. This is for your information.



### **Deficiencies**



Modifications to roofing structure above the garage area. This appears to have been added due to use for storage. No concerns. This is for your information.



# 4: EXTERIOR

		IN	NI	NP	D
4.1	Vegetation, Grading, Drainage & Retaining Walls	Χ			Χ
4.2	Walkways, Patios & Driveways	Χ			Χ
4.3	Siding, Flashing & Trim	Χ			Χ
4.4	Eaves, Soffits & Fascia	Χ			
4.5	Exterior Doors	Χ			
4.6	Decks, Balconies, Porches & Steps	Χ			

## **Information**

Walkways, Patios & Driveways: Siding, Flashing & Trim: Material Siding, Flashing & Trim: Style

Material Metal Lap

Asphalt, Concrete

Eaves, Soffits & Fascia: Materials Exterior Doors: Materials Decks, Balconies, Porches &

Metal/Vinyl Soffit Steel **Steps: Appurtenance** 

Rear patio

**Decks, Balconies, Porches &** 

**Steps: Material**Concrete

#### Walkways, Patios & Driveways: Asphalt Driveway-General

The driveway was noted with surface cracking, tire ruts and deterioration due to seasonal conditions and age. Surface is working as designed and the conditions were noted for your information.



## **Deficiencies**

4.1.1 Vegetation, Grading, Drainage & Retaining Walls



#### **NEGATIVE GRADE**

Grading is sloping towards the home at the noted locations. This can lead to water intrusion and foundation issues. We recommend qualified landscaper corrects to help direct surface water away from home.

Recommendation

Contact a qualified landscaping contractor



4.2.1 Walkways, Patios & Driveways

#### WALKWAY NEGATIVE SLOPE



Walkway has a negative slope directing surface water towards the foundation. Surface should be corrected to drain away. We recommend a concrete leveling company to correct the slope.

Recommendation

Contact a qualified professional.





The home had visible markings on the foundation from possible spot treatment for previous termites. This is for your information. No other indicators were visible. We recommend obtaining a valid Wood Destroying Insect Report for records.

Recommendation

Contact a qualified pest control specialist.

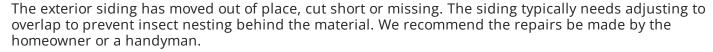


Maintenance Item

4.3.1 Siding, Flashing & Trim

## **SIDING ADJUSTMENT**

**GARAGE SIDE** 



Recommendation

Contact a handyman or DIY project



4.3.2 Siding, Flashing & Trim

#### **SEAL OPENINGS**



Exterior openings should be sealed to prevent moisture or insects.

Recommendation

Contact a handyman or DIY project



4.3.3 Siding, Flashing & Trim



## **SIDING REPAIRS**

The exterior siding found loose or damaged allowing a water or insect entry point. The exterior is recommend for repair or replacement for protecting from moisture damage.

Recommendation

Contact a qualified professional.



# 5: STRUCTURE

		IN	NI	NP	D
5.1	Foundation	Χ			Χ
5.2	Floor Structure	Χ			Χ
5.3	Wall Structure	Χ			
5.4	Ceiling Structure	Χ			

### **Information**

Foundation: Material Foundation: Type Floor Structure: Main Levels

Masonry Block Full Crawl Space Wood Joist

Floor Structure: Below Grade Wall Structure: Framing Ceiling Structure: Framing

Dirt, Vapor Barrier Incomplete 2x4, Wood Studs 2x4, Wood

Foundation: Foundation Cracks - Minor

Minor cracking was noted at the foundation. This is common as concrete ages and building settles causing surface cracks are normal. Recommend monitoring for pooling water near the foundation that causes accelerated settlement or decay. Maintain downspout extensions to displace water away from the structure. The crack looked as normal settlement because of the age of the home. No recommended action at this time.

Here is an informational article on foundation cracks.



#### **Deficiencies**

5.1.1 Foundation

#### FOUNDATION CRACKS - FURTHER EVALUATION



FRONT LEFT CORNER OF HOME

The foundation is showing signs of shifting. This is typically consistent with soil movement and could lead to damage to structural components, foundation. Recommend further evaluation.

Here is an informational article on foundation cracks.

Recommendation

Contact a qualified professional.





#### 5.1.2 Foundation

#### **CONDENSATE-CRAWL SPACE**



The condensate line from the ventilation system is draining into the crawl space and on to supply vent causing corrosion.. Its recommended adding a condensate pump or have the drain directed to a drain with a water trap. Recommend a HAVC or plumbing contractor to correct.

Recommendation







The crawl space has scrap and removed wood debris. This is recommended for removal for safe access and prevention of wood destroying insects. The area had limited access due to debris and mechanical equipment. Its recommended you have the area clear of unnecessary materials and debris.

Recommendation

#### Contact a handyman or DIY project

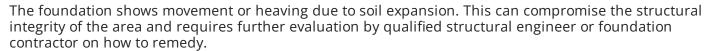




#### 5.1.4 Foundation

#### **HEAVING**

EAST FOUNDATION WALL, SOUTH (REAR) OF HOME



Recommendation

Contact a qualified structural engineer.















5.2.1 Floor Structure

#### **MICROBIAL GROWTH**



The floor structure has stains consistent microbial growth. The growth occurs because prolonged exposure to water or elevated humidity. We recommend having an air quality test performed and/or sampling areas for identification of active cells.

A water proofing contractor is recommended for further evaluation to control ground and/or storm water entry allowing for wet and humid conditions.

Recommendation

Contact a qualified waterproofing contractor





The floor framing and/or sub floor surface was noted with water marks. The area was tested and measured wet. Recommend further evaluation to determine source and correct.



# 6: ELECTRICAL

		IN	NI	NP	D
6.1	Service Entrance	Χ			
6.2	Electrical Panel	Χ			Χ
6.3	Cabling	Χ			
6.4	Lighting, Outlets & Switches	Χ			Χ
6.5	GFCI & AFCI	Χ			
6.6	Smoke Detectors	Χ			
6.7	Carbon Monoxide Detectors	Χ			

## **Information**

Service Entrance: Supply Electrical Panel: Location Electrical Panel: Capacity

Overhead Pantry 100 AMP

Electrical Panel: Manufacturer Electrical Panel: Protection Type Cabling: Wires

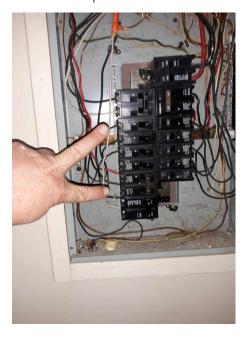
Murray Circuit Breaker Copper

Cabling: Wiring Method Smoke Detectors: Powered Carbon Monoxide Detectors: Add

Non-Metallic Cable Add smoke detectors to home CO Detectors to Home

#### **Electrical Panel: White Wire-Update**

White wire(s) located in the electrical panel are connected to circuit breaker(s). When connected to a breaker they should be marked Red, Black, Blue to identify the use. We recommend having these updates completed with other electrical improvements.



## **Deficiencies**

6.2.1 Electrical Panel

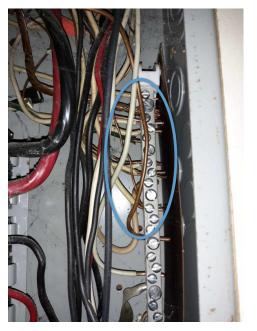


# NEUTRAL & GROUND DOUBLE LUGGED

The neutral (white) and ground (bare copper) wires were found together under the same screw. This was an acceptable wiring practice when the house was built or panel replaced. Recommendation is to have the circuits evaluated for separation by electrical contractor when other electrical service is needed. At the time of inspection, the components and wires were visually inspected with no arcing or overheating visible. This is for your information.

Recommendation

Contact a qualified electrical contractor.



6.2.2 Electrical Panel

# KNOCKOUTS MISSING

The panel cover or cabinet is missing knockouts. Recommend further evaluation by qualified electrical contractor.

Recommendation

Contact a qualified electrical contractor.



6.4.1 Lighting, Outlets & Switches

#### **PAINTED OUTLETS**

Wall receptacles were found painted. The paint can cause poor electrical connections with loose paint chips. Poor connections can cause heat or cause circuit protection devices to trip. We recommend budgeting for updates by having the outlets changed out by qualified electrical contractor.

Recommendation

Contact a qualified electrical contractor.







6.4.2 Lighting, Outlets & Switches

#### **NO GROUND CIRCUITS (PRE-1965)**



The three slotted wall plugs have been installed in the home as a matter of convenience. Electrical circuits throughout all rooms were found without a grounding connection consistent with the age of home. Originally the house was supplied with two slotted wall plugs. Wall plugs should be labeled "No Equipment Ground" to notify the end user/occupant. Not all devices require a grounded circuit. Grounded circuits are recommended for wet locations and major appliances. An electrical contractor should be consulted if the need for additional information and costs for any updates.

6.4.3 Lighting, Outlets & Switches

#### **DAMAGED OUTLET**

**GARAGE** 

The outlet shows signs of damage. Recommend replacement by licensed electrician.

Recommendation

Contact a qualified electrical contractor.





No grounded outlet for use of major appliance. Recommend updates.

Recommendation

Contact a qualified electrical contractor.





# 7: PLUMBING

		IN	NI	NP	D
7.1	Main Water Shut-off Device	Χ			
7.2	Drains & Vent System	Χ			Χ
7.3	Water Supply, Distribution Systems & Fixtures	Χ			Х
7.4	Hot Water Source	Χ			Χ
7.5	Fuel Storage & Distribution Systems	Χ			Χ

IN = Inspected NI = Not Inspected NP = Not Present D = Deficiencies

#### **Information**

Main Water Shut-off Device: Location

Under kitchen sink



**Drains & Vent System: Material** 

Cast Iron, Galvanized

**Drains & Vent System: Drain** 

Cleanout Crawlspace

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

**Hot Water Source: Capacity** (Gallons) 40

Water Supply, Distribution Material

Copper

**Hot Water Source: Power** Source/Type Gas(12-15Yr. Design Life) **Hot Water Source: Location** 

**Utility Closet** 

Fuel Storage & Distribution Systems: Main Gas Shut-off

Location

Gas Meter, Exterior



#### Water Supply, Distribution Systems & Fixtures: Filters

None

Water conditioners or softeners are inspected for leaks. The inspector did not inspect to evaluate hardness of water or overall operation of the equipment. We recommend contacting a water treatment company for service, maintenance schedule and configuring equipment for use with your day to day water use.

#### **Hot Water Source: Equip. Age (Yr.)**

1-2Yrs.

Water tanks should be flushed & serviced annually for optimal performance. Water temperature should be set to at least 120 degrees F to kill microbes and no higher than 130 degrees F to prevent scalding.

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

#### **Deficiencies**

7.2.1 Drains & Vent System



Recommendation

#### **TOILET LOOSE**

Toilet was found loose at its base. The cause can range from, possible loose or broken anchor bolt, damaged flange or uneven surface allowing movement. Repairs are recommended, and may involve replacing wax ring, check bolts, flange and reset toilet to prevent any possible leaks in the future.

Recommendation



7.2.2 Drains & Vent System

#### **DRAIN LEAK**

**BATHTUB CRAWLSPACE** 



The drain connections and/or pipes are leaking at the noted location. The pipes and connections are recommended for repair by qualified plumbing contractor to prevent cabinet and property damage.

Recommendation

Contact a qualified plumbing contractor.





7.2.3 Drains & Vent System

#### **SHOWER - POOR DRAINAGE**



Shower had slow/poor drainage. We are unable to determine if this is a trap clog or something more. We recommend a qualified plumber to evaluate and repair.

Recommendation



7.2.4 Drains & Vent System



#### **RUSTED WASTELINE**

**CRAWL SPACE** 

Main wasteline rusted. Water found at exterior of the pipe however appears is from leak from toilet tank and is leaking at floor and on surface of the pipe. Recommend monitoring over time due to age of materials.

Recommendation

Contact a qualified professional.



7.3.1 Water Supply, Distribution Systems & Fixtures



#### **HOSE BIBB-LOOSE**

FRONT OF HOME

The exterior hose bibb at the noted location is loose. The valve should be secured to the exterior to prevent twisting. This will prevent stress to plumbing connections and reducing chances of leaks. This repair can range from homeowner to handyman.

Recommendation

Contact a handyman or DIY project



7.3.2 Water Supply, Distribution Systems & Fixtures

### **TOILET TANK LEAKING**

Toilet tank found leaking and loose at time of inspection. This leak present at the supply connection. Recommend repairs.

Recommendation









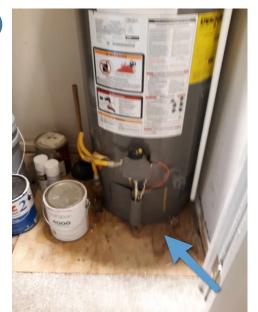


7.4.1 Hot Water Source

## **DRIP PAN**

Maintenance Item

The water heater did not have a drip pan installed. It is possible for floor to be damaged if the tank leaks or safety valve drips or activates. Drip pan are recommended to help reduce property damage in the event of a leak. This is for your information.



7.5.1 Fuel Storage & Distribution Systems



#### **CORROSION**

CRAWLSPACE

Gas pipes were corroded. This can lead to gas leaks. Recommend contacting local utility company for evaluation and repair.

Recommendation

Contact a qualified plumbing contractor.



7.5.2 Fuel Storage & Distribution Systems



#### **FLEX LINE INTO FURNACE**

The flexible gas line going into the furnace cabinet is a safety concern. Hard-line black pipe is recommended. We recommend having a plumber or HVAC contractor to repair.

Recommendation

Contact a qualified HVAC professional.



# 8: HEATING

		IN	NI	NP	D
8.1	Equipment	Χ			Х
8.2	Normal Operating Controls	Χ			
8.3	Distribution Systems	Χ			
8.4	Presence of Installed Heat Source in Each Room	Χ			

D = Deficiencies IN = Inspected NI = Not Inspected NP = Not Present

Natural Gas

Partially Insulated

**Equipment: Energy Source** 

**Distribution Systems: Ducts** 

#### **Information**

**Equipment: Heat Type** 

Forced Air

**Equipment:** # of Heating Systems Normal Operating Controls:

**Distribution Systems: Filter** Condition Clean

**Equipment: Age** 15-18Yr.

**Thermostat Location** 

Living Room

**Presence of Installed Heat Source** 

in Each Room: Location

Yes



8.1.1 Equipment

#### **FURNACE CLEANING**



The furnace is in need of cleaning and maintenance / tuneup. Debris and dust found within the furnace compartment upon inspection. Recommend evaluation by a qualified contractor.

Recommendation

Contact a qualified HVAC professional.



# 9: COOLING

		IN	NI	NP	D
9.1	Cooling Equipment	Χ			Χ

#### **Information**

**Cooling Equipment: Type**Air Conditioner

**Cooling Equipment: Age** 15-18Yr.

Cooling Equipment: Energy Source/Type Electric

#### **Cooling Equipment: Older Unit**

The AC unit is older and may require annual or routine service for continued reliable operation. AC units can fail shortly after a home inspection during the seasonal change from mild to hot weather. We cannot determine how long your AC will last before a replacement is necessary. Budget for maintenance and/or updates as needed.



#### **Deficiencies**

9.1.1 Cooling Equipment

#### **COLD TEMP-NOT TESTED**



Cooling mode using the outside unit was NOT tested due to outside temperature has been below 65 degree Fahrenheit. Manufactures recommend that testing takes place when the temperature is constantly above 65 for longer then a 24 hour time period for best results and to prevent possible damage to the unit

During winter temperatures the outside unit can be damaged with normal operation. Having an HVAC contractor evaluate and service the unit when temperatures are consistently above above 65F to help prevent possible damage or a false diagnosis.

Recommendation

Contact a qualified heating and cooling contractor

9.1.2 Cooling Equipment



#### **INSULATION MISSING OR DAMAGED**

The insulation on air conditioner line is missing or deteriorated due to age and/or weather. This can reduce efficiency and increase condensation. Update as needed.

Recommendation

Contact a qualified heating and cooling contractor



9.1.3 Cooling Equipment



#### **PET CORROSION**

Outside compressor unit has extensive decay to the lower corner(s) of the cooling fins which is commonly from dog urine. This corrosion eats away at the aluminum/copper cooling fins over time. Recommend having the unit cleaned and evaluated by qualified HVAC contractor when weather permits.

Recommendation

Contact a qualified heating and cooling contractor



# 10: DOORS, WINDOWS & INTERIOR

		IN	NI	NP	D
10.1	Doors	Χ			
10.2	Windows	Χ			Χ
10.3	Floors	Χ			Χ
10.4	Walls	Χ			
10.5	Ceilings	Χ			
10.6	Steps, Stairways & Railings	Χ			Χ
10.7	Countertops & Cabinets	Χ			

### **Information**

Windows: Window Type Casement, Single-hung

**Ceilings: Ceiling Material** 

Drywall

Floors: Floor Coverings

Carpet, Tile

**Countertops & Cabinets:** 

**Cabinetry** Wood

**Walls: Wall Material**Drywall, Paneling

Countertops & Cabinets: Countertop Material

Laminate

#### **Deficiencies**

10.2.1 Windows

#### **FAILED BALANCE**

LIVING ROOM

The window(s) at the noted location will not stay open because of disconnected or broken balance. We recommend repairs or adjustments needed by a window contractor.

Recommendation

Contact a qualified window repair/installation contractor.





Window screen(s) not installed at the noted location. The screens were not installed in the house windows for the inspection.

Windows screens were found stored at the noted location but were not inventoried or inspected. This is for your information.

10.2.3 Windows

#### WINDOW CAULK



Updating sealant around windows and exterior openings helps with reducing air infiltration and moisture. Budget for updates.

Recommendation

Contact a handyman or DIY project



10.2.4 Windows

#### **MECHANICAL DEFECT**



The window(s) at the noted location could not be operated by inspector. We recommend qualified professional to evaluate for adjusting or repair.

Recommendation

Contact a qualified window repair/installation contractor.



10.2.5 Windows

#### **TILT HARDWARE**

Recommendation

FRONT BEDROOM

Tilt hardware found damaged at time of inspection. This does not allow the window to stay locked in place as should. Recommend repairs.

Recommendation

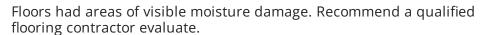
Contact a qualified window repair/installation contractor.



10.3.1 Floors

#### **MOISTURE DAMAGE**

MECHANICAL CLOSET



Recommendation

Contact a qualified professional.



10.6.1 Steps, Stairways & Railings

#### **ATTIC LADDER**

Attic ladder is missing spring at its hardware. Recommend repairs be completed for safe use.

Recommendation

Contact a qualified professional.





# 11: BUILT-IN APPLIANCES

		IN	NI	NP	D
11.1	Dishwasher	Χ			
11.2	Refrigerator	Χ			Χ
11.3	Range/Oven/Cooktop	Χ			
11.4	Garbage Disposal	Χ			

Maintenance Item

cted NP = Not Present

D = Deficiencies

## **Information**

Dishwasher: Status

Not Present

Garbage Disposal: Status

None

Refrigerator: Status

Operating

Range/Oven/Cooktop: Status

Range, Electric

#### **Deficiencies**

11.2.1 Refrigerator

## MISSING HANDLE



Recommendation

Contact a qualified appliance repair professional.



# 12: GARAGE

		IN	NI	NP	D
12.1	Ceiling	Χ			
12.2	Floor	Χ			
12.3	Walls & Firewalls	Χ			Χ
12.4	Garage Door	Χ			
12.5	Pedestrian Door (Garage to House)	Χ			

## **Information**

**Garage Door: Material**Metal

Garage Door: Operator
Installed & Tested

Pedestrian Door (Garage to House): Type

Metal

The weather striping and sweep show deterioration due to differed maintenance.

## **Deficiencies**

12.3.1 Walls & Firewalls

## **DOOR TRIM ROT**



Overhead door trim at garage found with wood rot. Recommend repairs.

Recommendation

Contact a qualified professional.



# STANDARDS OF PRACTICE

#### Roof

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

#### Attic, Insulation & Ventilation

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

#### **Exterior**

I. The inspector shall inspect: A. the exterior wall-covering materials, flashing and trim; B. all exterior doors; C. adjacent walkways and driveways; D. stairs, steps, stoops, stairways and ramps; E. porches, patios, decks, balconies and carports; F. railings, guards and handrails; G. the eaves, soffits and fascia; H. a representative number of windows; and I. vegetation, surface drainage, retaining walls and grading of the property, where they may adversely affect the structure due to moisture intrusion. II. The inspector shall describe: A. the type of exterior wall-covering materials. III. The inspector shall report as in need of correction: A. any improper spacing between intermediate balusters, spindles and rails. IV. The inspector is not required to: A. inspect or operate screens, storm windows, shutters, awnings, fences, outbuildings, or exterior accent lighting. B. inspect items that are not visible or readily accessible from the ground, including window and door flashing. C. inspect or identify geological, geotechnical, hydrological or soil conditions. D. inspect recreational facilities or playground equipment. E. inspect seawalls, breakwalls or docks. F. inspect erosion-control or earth-stabilization measures. G. inspect for safety-type glass. H. inspect underground utilities. I. inspect underground items. J. inspect wells or springs. K. inspect solar, wind or geothermal systems. L. inspect swimming pools or spas. M. inspect wastewater treatment systems, septic systems or cesspools. N. inspect irrigation or sprinkler systems. O. inspect drainfields or dry wells. P. determine the integrity of multiple-pane window glazing or thermal window seals.

#### Structure

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

#### Electrical

I. The inspector shall inspect: A. the service drop; B. the overhead service conductors and attachment point; C. the service head, gooseneck and drip loops; D. the service mast, service conduit and raceway; E. the electric meter and base; F. service-entrance conductors; G. the main service disconnect; H. panelboards and over-current protection devices (circuit breakers and fuses); I. service grounding and bonding; J. a representative number of switches, lighting fixtures and receptacles, including receptacles observed and deemed to be arc-fault circuit interrupter (AFCI)-protected using the AFCI test button, where possible; K. all ground-fault circuit interrupter receptacles and circuit breakers observed and deemed to be GFCIs using a GFCI tester, where possible; and L. smoke and carbon-monoxide detectors. II. The inspector shall

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

#### **Plumbing**

I. The inspector shall inspect: A. the main water supply shut-off valve; B. the main fuel supply shut-off valve; C. the water heating equipment, including the energy source, venting connections, temperature/pressure-relief (TPR) valves, Watts 210 valves, and seismic bracing; D. interior water supply, including all fixtures and faucets, by running the water; E. all toilets for proper operation by flushing; F. all sinks, tubs and showers for functional drainage; G. the drain, waste and vent system; and H. drainage sump pumps with accessible floats. II. The inspector shall describe: A. whether the water supply is public or private based upon observed evidence; B. the location of the main water supply shut-off valve; C. the location of the main fuel supply shut-off valve; D. the location of any observed fuel-storage system; and E. the capacity of the water heating equipment, if labeled. III. The inspector shall report as in need of correction: A. deficiencies in the water supply by viewing the functional flow in two fixtures operated simultaneously; B. deficiencies in the installation of hot and cold water faucets; C. mechanical drain stops that were missing or did not operate if installed in sinks, lavatories and tubs; and D. toilets that were damaged, had loose connections to the floor, were leaking, or had tank components that did not operate. IV. The inspector is not required to: A. light or ignite pilot flames. B. measure the capacity, temperature, age, life expectancy or adequacy of the water heater. C. inspect the interior of flues or chimneys, combustion air systems, water softener or filtering systems, well pumps or tanks, safety or shut-off valves, floor drains, lawn sprinkler systems, or fire sprinkler systems. D. determine the exact flow rate, volume, pressure, temperature or adequacy of the water supply. E. determine the water quality, potability or reliability of the water supply or source. F. open sealed plumbing access panels. G. inspect clothes washing machines or their connections. H. operate any valve. I. test shower pans, tub and shower surrounds or enclosures for leakage or functional overflow protection. J. evaluate the compliance with conservation, energy or building standards, or the proper design or sizing of any water, waste or venting components, fixtures or piping. K. determine the effectiveness of anti-siphon, backflow prevention or drain-stop devices. L. determine whether there are sufficient cleanouts for effective cleaning of drains. M. evaluate fuel storage tanks or supply systems. N. inspect wastewater treatment systems. O. inspect water treatment systems or water filters. P. inspect water storage tanks, pressure pumps, or bladder tanks. Q. evaluate wait time to obtain hot water at fixtures, or perform testing of any kind to water heater elements. R. evaluate or determine the adequacy of combustion air. S. test, operate, open or close: safety controls, manual stop valves, temperature/pressure-relief valves, control valves, or check valves. T. examine ancillary or auxiliary systems or components, such as, but not limited to, those related to solar water heating and hot water circulation. U. determine the existence or condition of polybutylene plumbing. V. inspect or test for gas or fuel leaks, or indications thereof.

#### Heating

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

#### Cooling

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

#### **Doors, Windows & Interior**

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