



PROPERTY CONDITION ASSESSMENT REPORT

The best property inspection experience available.

PREPARED BY:

John Mika



FOR THE PROPERTY AT:

Sample Report
Watertown, MN

PREPARED FOR:

SAMPLE REPORT

INSPECTION DATE:

Monday, November 23, 2015



Minnesota Inspections, LLC.
7620 Pioneer Creek Rd
Independence, MN 55359

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January 10, 2016

Dear Sample Report,

RE: Report No. 1493, v.3
Sample Report
Watertown, MN

Thank you for choosing us to perform your inspection. The inspection itself and the attached report comply with the requirements of the Standards of Practice of our national Association. This document defines the scope of a inspection.

Clients sometimes assume that a inspection will include many things that are beyond the scope. We encourage you to read the Standards of Practice so that you clearly understand what things are included in the inspection and report.

The report has been prepared for the exclusive use of our client. No use by third parties is intended. We will not be responsible to any parties for the contents of the report, other than the party named herein .

The report is effectively a snapshot of the structure, recording the conditions on a given date and time. Inspectors cannot predict future behavior, and as such, we cannot be responsible for things that occur after the inspection. If conditions change, we are available to revisit the property and update our report.

The report itself is copyrighted, and may not be used in whole or in part without our express written permission.

Again, thank you for choosing us to perform your inspection.

Sincerely,

John Mika
on behalf of
Minnesota Inspections, LLC.

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SUMMARY

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

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SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

INTRODUCTION

This report is an unbiased opinion of the conditions found at the property and is intended to help the client make informed decisions regarding the purchase and repair of the property.

SCOPE

While a property inspection does not address issues such as code compliance and building permits, we encourage you to have someone search the history of the home with the local building department to determine whether all appropriate permits have been applied for and signed off. Your legal advisers may be able to help with this.

A property inspection analyzes hundreds of features from all systems of a structure. Our focus is on functional items, and we pay particular attention to those components that are expensive to correct, or may create a significant safety problem in the structure. As we look for these major items, we will come across some lesser items as well. As a courtesy, those are documented for you. However, please do not misinterpret this as an exhaustive list of all minor defects in the home. That is not the intent of the inspection.

PRIORITY ITEMS

Items that require immediate action affect life safety, the immediate condition of the structure or are items whose operation was not confirmed during the inspection. The buyer may want to request that these items are addressed by the seller prior to closing.

OUR PHILOSOPHY

Our inspection philosophy separates components that are functional from those that are not. Where components are found to be functional, no recommendations will be offered. Where defects are noted, we will recommend improvements with a time frame. In some cases, components may be functional but clearly near the end of their life cycle. Those circumstances are included in the report as well.

[Priority Maintenance Items](#)

Roofing

SLOPED ROOFING \ Asphalt shingles

Condition: • [Granule loss](#)

Typical granule loss consistent with roof age.

Implication(s): Chance of water damage to contents, finishes and/or structure

Task: Monitor

SLOPED ROOF FLASHINGS \ Roof/sidewall flashings

Condition: • [No kickout flashing](#)

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Throughout

Task: Below current standards

SUMMARY

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

Exterior

ROOF DRAINAGE \ Downspouts

Condition: • [Downspouts discharging below grade](#)

Request location of termination point of below grade drain. If not properly terminated at "daylight" or a pop up drain there is a potential the drains may discharge and hold water against the foundation.

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Throughout

Task: Improve

Time: Less than 1 year

Condition: • [Too few](#)

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Various

Task: Provide

Time: Less than 1 year

Condition: • [Should discharge 6 feet from building](#)

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Throughout

Task: Improve

Time: Less than 1 year

WALLS \ Soffits and fascia

Condition: • [Loose or missing pieces](#)

Missing.

Implication(s): Cosmetic defects | Chance of water damage to contents, finishes and/or structure | Chance of pests entering building

Location: Rear

Task: Provide

Time: Less than 1 year

WALLS \ Vinyl siding

Condition: • Missing building wrap behind siding. May not have been required at the time of construction.

From the manufacturer: "This strong, durable board is manufactured from hardy northern wood fibers and incorporates up to 15% recycled fiber. Asphalt and wax impregnation and one-sided asphalt coating, gives strength and resistance to moisture" http://bildrite.net/bracerite_tech.htm

Location: Throughout

Task: Below current standards

Condition: • [Mechanical damage](#)

Typical minimal damage. Voids may be sealed with clear or colored caulk.

Implication(s): Cosmetic defects | Chance of water damage to contents, finishes and/or structure

Location: Various

Task: Repair

SUMMARY

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

Time: Less than 1 year

Condition: • [Too close to grade](#)

Areas of siding were below grade. Over time, this condition has the potential to rot the wood sheathing and framing.

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Various

Task: Improve

Time: Less than 1 year

WALLS \ Brick, stone and concrete

Condition: • [Missing, ineffective weep holes or flashings](#)

Weep holes or wicks missing or not visible. Typical in buildings this age.

Implication(s): Chance of water damage to contents, finishes and/or structure | Material deterioration

Location: Throughout

Task: Below current standards

Condition: • [Too close to grade](#)

Implication(s): Chance of water entering building | Weakened structure | Rot

Location: Front

Task: Below current standards

EXTERIOR GLASS \ Frames

Condition: • Damaged sill. Seal voids with an approved sealant.

Location: Front

Task: Repair

Time: Less than 1 year

EXTERIOR GLASS \ Exterior drip caps

Condition: • [Missing](#)

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Throughout

Task: Below current standards

EXTERIOR GLASS \ Storms and screens

Condition: • [Missing](#)

Request seller confirm quantity and install missing storms or screens. Some missing screens were located in the basement.

Implication(s): Increased heating and cooling costs | Reduced comfort

Location: Various

Task: Provide

Time: Less than 1 year

DOORS \ Doors and frames

Condition: • [Damage](#)

Screen door slider track.

Implication(s): Cosmetic defects | Chance of damage to finishes and structure | Poor security

SUMMARY

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

Location: Rear

Task: Repair

Time: When necessary

DOORS \ Exterior drip caps

Condition: • [Missing](#)

Implication(s): Chance of damage to finishes and structure

Location: Rear Basement

Task: Below current standards

PORCHES, DECKS, STEPS, PATIOS AND BALCONIES \ Steps and landings

Condition: • [Steps slope](#)

Implication(s): Trip or fall hazard

Location: Rear

Task: Repair or replace

Time: Less than 1 year

Condition: • [Stair rise too big or not uniform](#)

Greater than 3/8" variance in treads.

Implication(s): Trip or fall hazard

Location: Rear

Task: Below current standards

Condition: • [Wood/soil contact](#)

Implication(s): Shortened life expectancy of material | Material deterioration

Task: Provide

Time: Less than 1 year

Condition: • [Rot](#)

Implication(s): Weakened structure | Material deterioration

Location: Rear

Task: Replace

Time: Immediate

PORCHES, DECKS, STEPS, PATIOS AND BALCONIES \ Handrails and guards

Condition: • [Missing](#)

Implication(s): Fall hazard

Location: Rear

Task: Provide

Time: Less than 1 year

PORCHES, DECKS, STEPS, PATIOS AND BALCONIES \ Patios

Condition: • [Slope toward building](#)

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Rear

Task: Improve

SUMMARY

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

Time: Less than 1 year

LANDSCAPING \ Driveway

Condition: • [Cracked or damaged surfaces](#)

Typical defects for age. The surface is in overall good, serviceable condition. Crack sealing and general repairs are recommended.

Implication(s): Trip or fall hazard

Task: Repair

Time: Discretionary

Condition: • [Improper slope or drainage](#)

Settled near garage door.

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Garage

Task: Repair

Time: Less than 1 year

Condition: • [Uneven \(trip hazard\)](#)

Implication(s): Physical injury

Location: Garage

Task: Repair

Time: Less than 1 year

LANDSCAPING \ Walkway

Condition: • [Uneven \(trip hazard\)](#)

Implication(s): Physical injury

Location: Garage

Task: Repair

Time: Less than 1 year

GARAGE \ Floor

Condition: • [Cracked](#)

Typical minor surface defects and/or chips in surface. The floor is in good overall condition.

Implication(s): Uneven floors

Task: Monitor

GARAGE \ Walls and ceilings

Condition: • Not fireproof

Cover openings with a minimum of 1/2" fire rated sheet rock. Re-tape exposed seams over 1/8 inch wide and seal voids. Remove a small section by removing screws to confirm the presence of a fire wall above the ceiling.

Implication(s): Fire hazard

Task: Improve - Further evaluation

Time: Less than 1 year

GARAGE \ Vehicle doors

Condition: • The door spring is broken

SUMMARY

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

Location: Small door
Task: Repair
Time: Less than 1 year

IRRIGATION / SPRINKLER SYSTEM \ Observations

Condition: • May not be properly winterized. Request service documentation from the seller.
Location: Exterior Wall
Task: Request disclosure

Structure

FOUNDATIONS \ Foundation

Condition: • Typical minor cracks
Typical minor cracks. Not a structural concern. Seal cracks to prevent moisture intrusion.
Implication(s): Chance of water entering building
Location: Basement and Garage
Task: Repair
Time: Less than 1 year

Electrical

SERVICE BOX, GROUNDING AND PANEL \ Distribution panel

Condition: • [Poor access](#)
Implication(s): Difficult to service
Location: Garage
Task: Improve
Time: Less than 1 year

DISTRIBUTION SYSTEM \ Wiring - damaged or exposed

Condition: • [Exposed on walls or ceilings](#)
Should be protected in conduit on walls, ceiling or stud edges.
Implication(s): Electric shock
Location: Garage
Task: Below current standards

DISTRIBUTION SYSTEM \ Wiring - installation

Condition: • [Extension cord used as permanent wiring](#)
Provide additional outlets or wiring and remove extension cords.
Implication(s): Electric shock | Fire hazard
Location: Basement
Task: Remove
Time: Immediate

DISTRIBUTION SYSTEM \ Lights

Condition: • Rust

SUMMARY

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

Location: Rear Exterior Wall

Task: Repair

Time: Less than 2 years

DISTRIBUTION SYSTEM \ Outlets (receptacles)

Condition: • [Loose](#)

Implication(s): Electric shock | Fire hazard

Location: Laundry Area

Task: Improve

Time: Less than 1 year

Condition: • [No GFCI \(Ground Fault Circuit Interrupter\)](#)

Current standards require GFCI protection for all bathroom receptacles, all garage and accessory buildings, all receptacles in unfinished basements (except permanently installed burglar or fire alarms), all receptacles serving kitchen countertops, receptacles within 6' of sinks, receptacles within 6' of showers or tubs, receptacles serving laundry areas, all receptacles serving crawlspace at or below grade, all exterior receptacles (except those serving snow melting or de-icing equipment), outlets supplying dishwashers, hydro massage tubs, and must be readily accessible.

These standards may be enforced by the local building official when outlets are changed or added.

Implication(s): Electric shock

Location: Various

Task: Below current standards

Condition: • [No AFCI \(Arc Fault Circuit Interrupter\)](#)

Current standards require AFCI protection for all 120v 15Amp & 20Amp branch circuits supplying power to outlets in the following areas: Family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sun rooms, recreation rooms, closets, hallways & similar rooms. Also required for kitchen and laundry areas. Also required for devices (switches) in all areas above. Not required on individual circuit for central station alarm in RMC, IMC, EMT or steel-armored cable (type AC or MC) with metal junction boxes.

Local building official may require upgrades to any wiring that is extended, modified or replaced.

Implication(s): Fire hazard

Location: Various

Task: Below current standards

DISTRIBUTION SYSTEM \ Cover plates

Condition: • [Missing](#)

Implication(s): Electric shock

Location: Garage Ceiling

Task: Repair or replace

Time: Immediate

DISTRIBUTION SYSTEM \ Smoke detectors

Condition: • [Inoperative](#)

Replace batteries. This is not a concern as the hardwired detectors were functional.

Implication(s): Fire hazard

Location: Second Floor

Task: Repair or replace

SUMMARY

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

Time: Immediate

DISTRIBUTION SYSTEM \ Carbon monoxide (CO) detectors

Condition: • None

Provide, at a minimum , on each level of the home within 10 feet of sleeping rooms.

Implication(s): Health hazard

Location: Second Floor

Task: Provide

Time: Immediate

Heating

General

• Recommend annual service for older components to prolong the life of the component

Task: Service

Time: Annually

SPACE HEATER \ Room heater

Condition: • Inoperable - Igniter did not function and gas was shut off.

Location: Garage

Task: Replace

Time: Less than 1 year

Condition: • [Unvented](#)

Unvented heaters generally create excess water vapor buildup in the structure. Most jurisdictions do not allow unvented heater installations.

Implication(s): Hazardous combustion products entering home

Location: Garage

Task: Replace

Time: Less than 1 year

HEAT RECOVERY VENTILATOR \ Filters

Condition: • [Dirty](#)

Implication(s): Equipment ineffective

Location: Basement

Task: Clean

Time: Less than 1 year

SUMMARY

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

Cooling & Heat Pump

General

- Recommend annual service for older components to prolong the life of the component

Task: Service

Time: Annually

AIR CONDITIONING \ Air cooled condenser coil

Condition: • [Dirty](#)

Implication(s): Reduced system life expectancy | Increased cooling costs | Reduced comfort

Task: Clean

Time: Less than 1 year

Insulation and Ventilation

ATTIC/ROOF \ Insulation

Condition: • [Compressed](#)

Disturbed or compressed insulation reduces effective R-Value. Redistribute compressed insulation.

Implication(s): Increased heating and cooling costs | Reduced comfort

Task: Improve

Time: Less than 1 year

Condition: • [Possible Zonolite](#)

A small amount of vermiculite insulation was observed in the attic. Recommend testing the vermiculite to determine if it is contaminated with asbestos.

Information regarding Zonolite: <http://www.asbestos.com/products/construction/zonolite-insulation.php> and

<http://www.zonoliteatticinsulation.com/>

Implication(s): Environmental contamination

Task: Further evaluation

Time: Less than 1 year

WALLS \ Air/vapor barrier

Condition: • Double vapor barrier. Potential mold observed on the Kraft paper located behind the plastic.

Location: Garage

Task: Remove

Time: Less than 1 year

Condition: • [Incomplete](#)

Lacks approved mastic for sealing to top and bottom plate. Voids and missing areas were observed. Seal seams and small voids with approved tape.

Implication(s): Chance of condensation damage to finishes and/or structure | Increased heating and cooling costs

Location: Basement & Garage

Task: Repair

Time: Less than 1 year

SUMMARY

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

FOUNDATION \ Exterior insulation

Condition: • [Not protected at top](#)

Protective coating is damaged or deteriorated. Link to article:

<http://www.greenbuildingadvisor.com/blogs/dept/qa-spotlight/how-finish-exterior-foundation-insulation>

Implication(s): Increased heating costs | Reduced comfort

Location: Various

Task: Repair

Time: Less than 1 year

Plumbing

SUPPLY PLUMBING \ Supply piping in building

Condition: • [Leak](#)

Evidence of past leaks, no active leak were observed. Evaluate and tighten or repair fittings, unions and valves if needed.

Implication(s): Chance of water damage to contents, finishes and/or structure | System inoperative

Location: Kitchen

Task: Monitor

Condition: • [Non-standard material](#)

Appears to be a temporary repair

Implication(s): Chance of water damage to contents, finishes and/or structure | Reduced system life expectancy | No water

Location: Exterior Wall Irrigation

Task: Further evaluation

WASTE PLUMBING \ Drain piping - performance

Condition: • [Dishwasher drain connections](#)

No high loop on drain line. Attach to top of counter top.

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Kitchen

Task: Below current standards

WASTE PLUMBING \ Drain piping - installation

Condition: • [Nonstandard materials and patches](#)

Flexible drain connector.

Implication(s): Chance of water damage to contents, finishes and/or structure | Sewage entering the building

Location: Kitchen

Task: Below current standards

WASTE PLUMBING \ Sump pump

Condition: • [Lid missing, rotted or not secure](#)

Not secured with three screws. This condition is a potential safety hazard.

Implication(s): Trip or fall hazard

Location: Basement

Task: Improve

SUMMARY

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

Time: Immediate

Condition: • [Discharge pipe problems](#)

Appears to discharge below grade near the foundation. Excavate the area to determine where the pipe terminates or disconnect below grade portion and replace with a corrugated hose that discharges to grade.

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Exterior

Task: Improve

Time: Less than 1 year

FIXTURES AND FAUCETS \ Basin, sink and laundry tub

Condition: • [Slow drains](#)

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Master Bathroom

Task: Clean

Time: Less than 1 year

FIXTURES AND FAUCETS \ Toilet

Condition: • [Loose](#)

Implication(s): Chance of water damage to contents, finishes and/or structure | Sewage entering the building

Location: Master Bathroom

Task: Repair

Time: Less than 1 year

FIXTURES AND FAUCETS \ Bathtub

Condition: • [Grout loose, missing or deteriorated](#)

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Master Bathroom

Task: Repair

Time: Less than 1 year

FIXTURES AND FAUCETS \ Hose bibb

Condition: • [Backflow prevention missing](#)

Lack of backflow prevention devices has the potential to contaminate water supply. Provide on all threaded faucets and hose bibs.

Implication(s): Contaminated drinking water

Task: Provide

Time: Less than 1 year

GAS SUPPLY \ Gas piping

Condition: • Piping not properly bonded

CSST gas pipe that is not bonded is a potential fire hazard if affected by a lightning strike. Visit:

<http://www.csstsafety.com/Images/CSST-Direct-Bonding-Tech-Bulletin.pdf>

Implication(s): Fire or explosion

Location: Basement

Task: Repair

SUMMARY

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							

Time: Immediate

Interior

FLOORS \ General

Condition: • Typical flaws

Implication(s): Cosmetic defects

Task: Comment

WALLS \ General

Condition: • Typical flaws

Implication(s): Cosmetic defects

Task: Comment

WALLS \ Plaster or drywall

Condition: • [Nail pops](#)

Implication(s): Cosmetic defects

Location: Various

Task: Repair

Time: Discretionary

CEILINGS \ General

Condition: • Typical flaws

Implication(s): Cosmetic defects

Task: Comment

CEILINGS \ Plaster or drywall

Condition: • [Nail pops](#)

Stains may indicate a past leak.

Implication(s): Cosmetic defects

Location: Various - Second Floor

Task: Repair - Monitor

Time: Discretionary

WINDOWS \ Hardware

Condition: • [Inoperable](#)

Window lock did not latch.

Implication(s): System inoperative or difficult to operate

Location: Staircase

Task: Repair

Time: Discretionary

WINDOWS \ Interior trim

Condition: • [Stained](#)

Typical water stains at corners of trim and sashes. Refinish or apply clear polyurethane to protect wood in affected areas. Likely from condensation but windows should be monitored for leaks.

SUMMARY

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

Implication(s): Cosmetic defects

Location: Various

Task: Monitor

DOORS \ Hardware

Condition: • [Missing](#)

Missing door stops may result in damaged walls from door knob impact.

Implication(s): System inoperative or difficult to operate

Location: Laundry Area

Task: Provide

Time: Less than 1 year

Condition: • [Loose](#)

Implication(s): Equipment failure

Location: Master Bathroom

Task: Repair

Time: Discretionary

Condition: • Lock not effective on exterior door

Implication(s): Poor security

Location: First Floor & Second Floor Patio Doors

Task: Repair

Time: Less than 1 year

CARPENTRY \ Countertops

Condition: • Damaged or missing sealant

Location: Various

Task: Repair

Time: Discretionary

STAIRS \ Fire safety

Condition: • [Drywall missing or incomplete on underside of stairs](#)

Implication(s): Increased fire hazard

Location: Basement

Task: Provide

Time: When remodelling

BASEMENT \ Wet basement - evidence

Condition: • [Stains](#)

Evidence of water stains presents by the buyers. The walls were freshly painted at the time of the inspection. Confirm the discharge location of below grade downspout drains request frequency and severity of moisture problems.

Implication(s): Cosmetic defects | Chance of water damage to contents, finishes and/or structure

Location: Front Wall

Task: Request disclosure

Time: Less than 1 year

SUMMARY

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

APPLIANCES \ Range

Condition: • Anti-tip device missing

Implication(s): Physical injury

Location: Kitchen

Task: Below current standards

APPLIANCES \ Microwave oven

Condition: • Parts broken/missing

Cracked front door cover.

Implication(s): Reduced operability

Location: Kitchen

Task: Repair

Time: Discretionary

APPLIANCES \ Waste disposal

Condition: • Noisy

Foreign object present in unit.

Implication(s): Noise nuisance

Location: Kitchen

Task: Clean

Time: Less than 1 year

APPLIANCES \ Dryer

Condition: • Dryer vent obstructed

Implication(s): Equipment ineffective | Fire hazard

Location: Exterior Wall

Task: Repair

Time: Less than 1 year

Condition: • Plastic dryer vent

This vent is not approved for gas dryers. Electric dryer is currently in service, however a gas line is present. Replace the vent if a gas dry is ever placed in service.

Implication(s): Equipment ineffective | Fire hazard

Task: Comment - no recommendations

This concludes the Summary section.

The remainder of the report describes each of the structures systems and also details any recommendations we have for improvements. Limitations that restricted our inspection are included as well.

The suggested time frames for completing recommendations are based on the limited information available during a pre-purchase inspection. These may have to be adjusted based on the findings of specialists.

[Repairs and Improvements - Approximate Costs](#)

ROOFING

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

Description

Sloped roofing material: • [Asphalt shingles](#)

Probability of leakage: • Low

Limitations

Inspection performed: • From ground with pole mounted camera

Inspection performed: • From roof edge

Recommendations

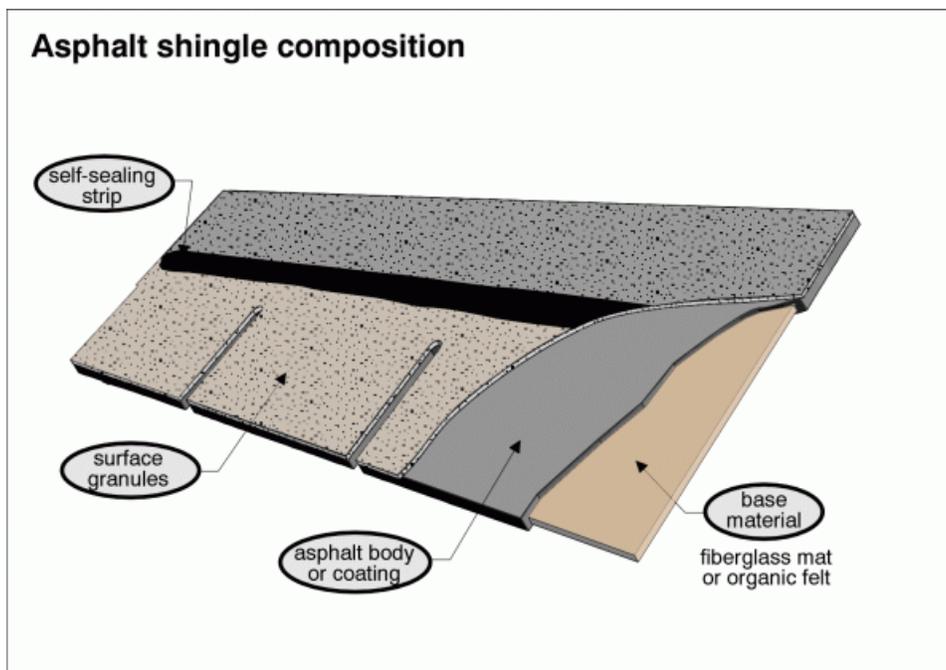
SLOPED ROOFING \ Asphalt shingles

1. Condition: • [Granule loss](#)

Typical granule loss consistent with roof age.

Implication(s): Chance of water damage to contents, finishes and/or structure

Task: Monitor



SLOPED ROOF FLASHINGS \ Roof/sidewall flashings

2. Condition: • [No kickout flashing](#)

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Throughout

Task: Below current standards

ROOFING

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

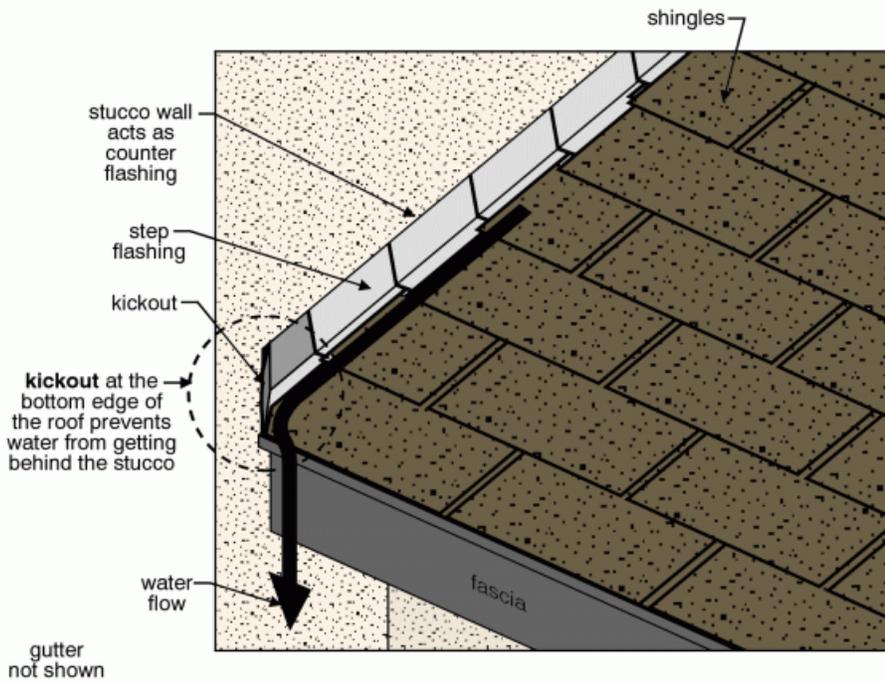
INTERIOR

RADON

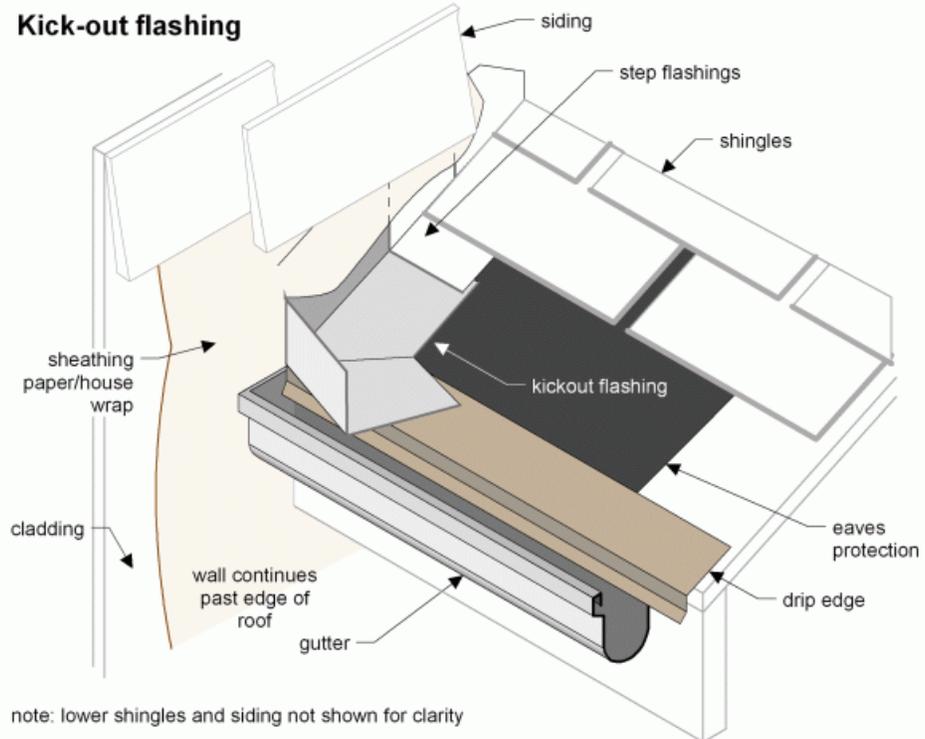
APPENDIX

REFERENCE

Kickout prevents siding/wall damage



Kick-out flashing



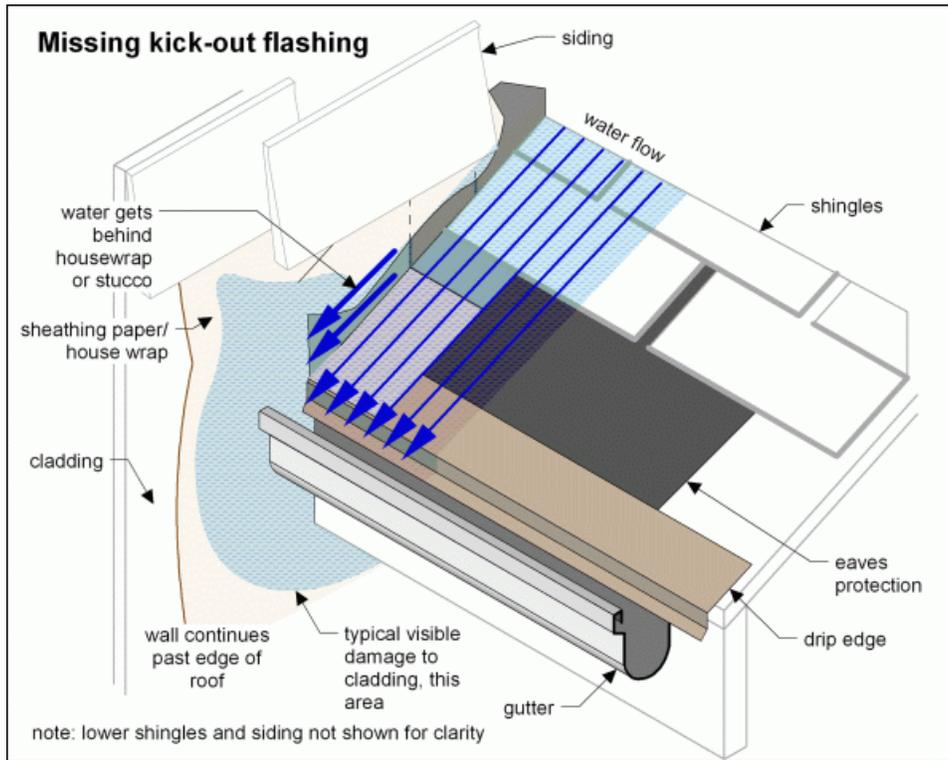
ROOFING

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

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SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



1. No kickout flashing



2. No kickout flashing

EXTERIOR

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

Description

Gutter & downspout material: • [Aluminum](#)
Gutter & downspout type: • [Eave mounted](#)
Gutter & downspout discharge: • [Below grade](#)
Lot slope: • [Away from building](#)
Wall surfaces - masonry: • [Brick](#)
Wall surfaces: • [Vinyl siding](#)
Soffit and fascia: • [Aluminum](#)
Retaining wall: • [Stone](#)
Driveway: • Asphalt
Walkway: • Concrete
Exterior steps: • Wood
Patio: • Concrete
Fence: • Chain link

Limitations

Inspection limited/prevented by: • New finishes/paint/trim
Upper floors inspected from: • Ground level
Exterior inspected from: • Ground level

Recommendations

ROOF DRAINAGE \ Downspouts

3. Condition: • [Downspouts discharging below grade](#)

Request location of termination point of below grade drain. If not properly terminated at "daylight" or a pop up drain there is a potential the drains may discharge and hold water against the foundation.

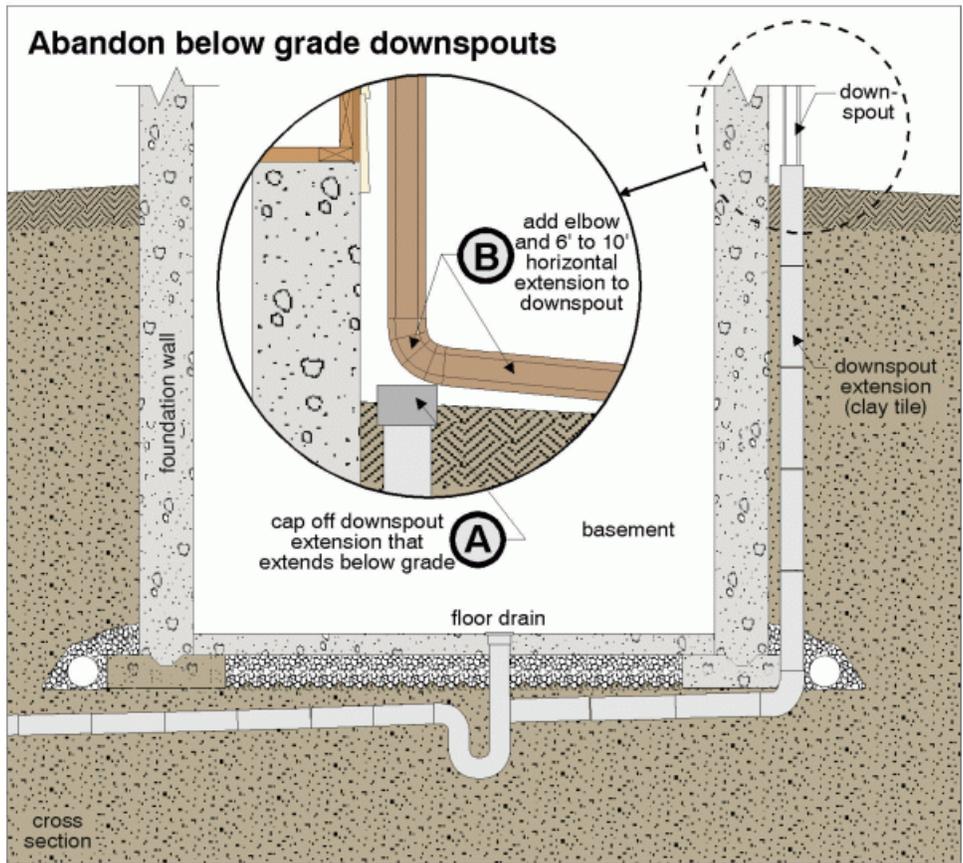
Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Throughout

Task: Improve

Time: Less than 1 year

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



3. Downspouts discharging below grade

4. Condition: • [Too few](#)

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Various

Task: Provide

EXTERIOR

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

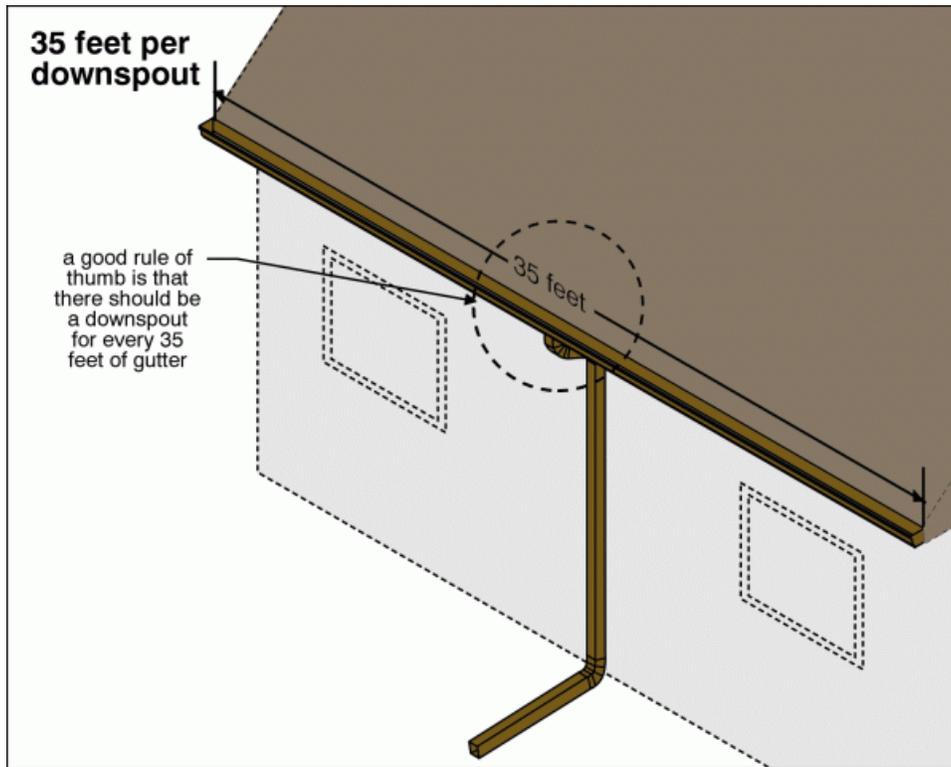
INTERIOR

RADON

APPENDIX

REFERENCE

Time: Less than 1 year



4. *Too few*

5. *Too few*

5. Condition: • [Should discharge 6 feet from building](#)

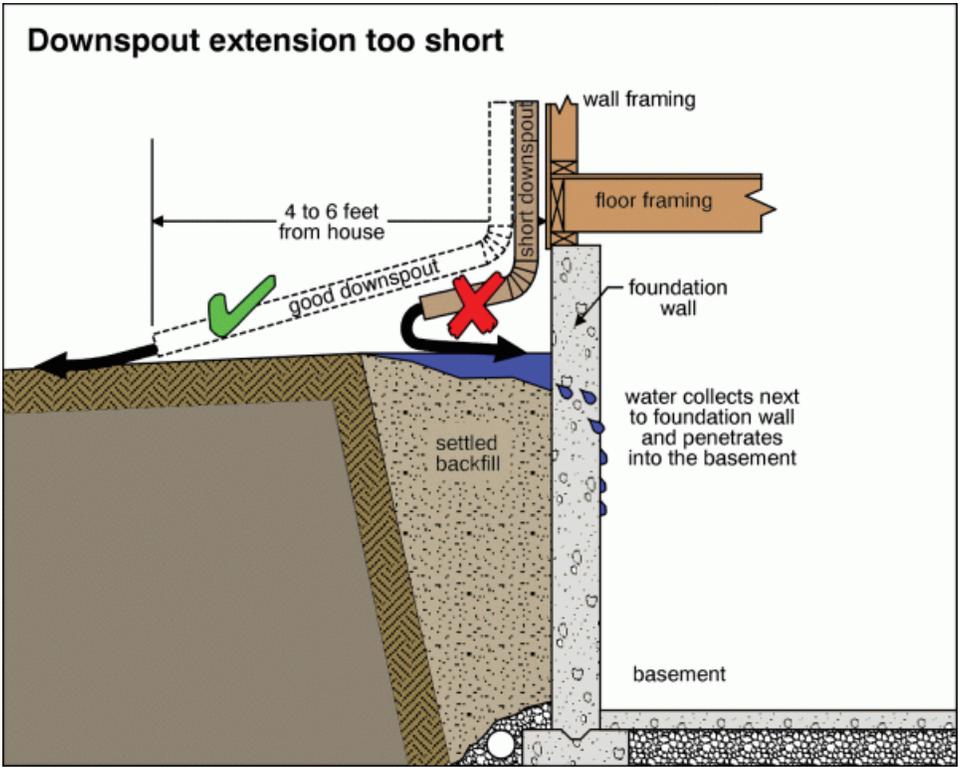
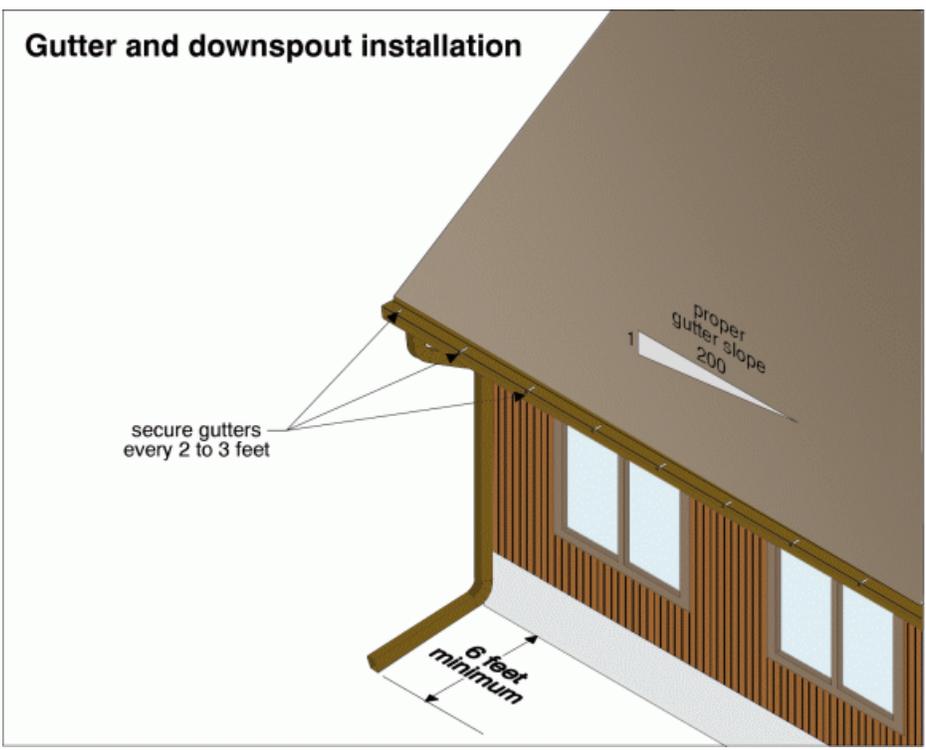
Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Throughout

Task: Improve

Time: Less than 1 year

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



WALLS \ Soffits and fascia

6. Condition: • [Loose or missing pieces](#)

EXTERIOR

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

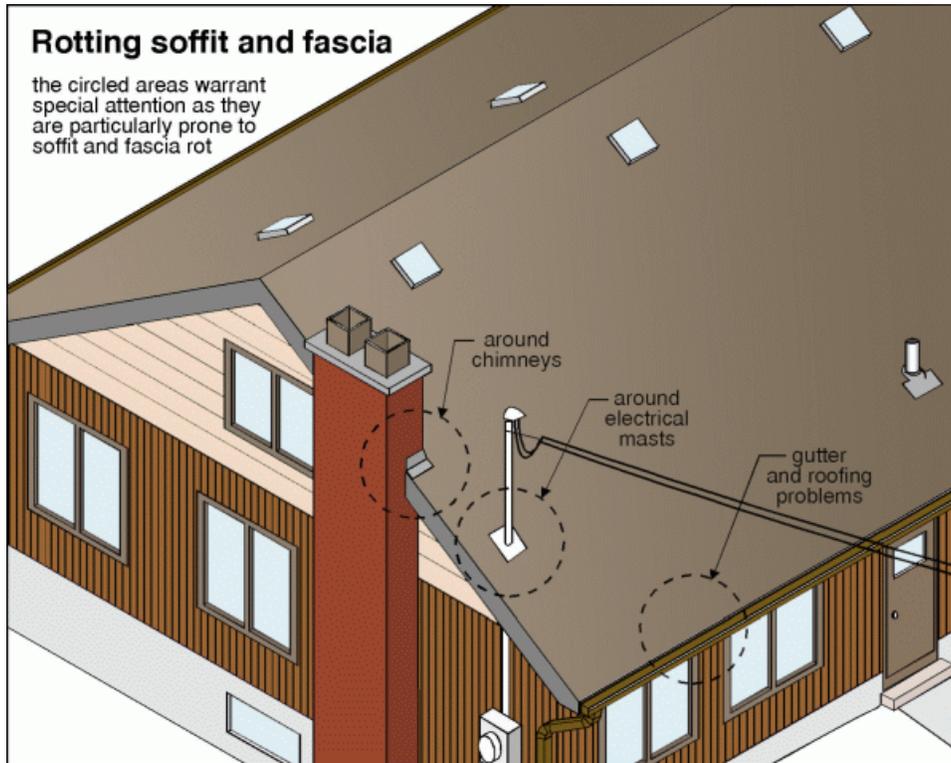
Missing.

Implication(s): Cosmetic defects | Chance of water damage to contents, finishes and/or structure | Chance of pests entering building

Location: Rear

Task: Provide

Time: Less than 1 year



6. Loose or missing pieces

WALLS \ Vinyl siding

7. **Condition:** • Missing building wrap behind siding. May not have been required at the time of construction.

EXTERIOR

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

From the manufacturer: "This strong, durable board is manufactured from hardy northern wood fibers and incorporates up to 15% recycled fiber. Asphalt and wax impregnation and one-sided asphalt coating, gives strength and resistance to moisture" http://bildrite.net/bracerite_tech.htm

Location: Throughout

Task: Below current standards



7.

8. Condition: • [Mechanical damage](#)

Typical minimal damage. Voids may be sealed with clear or colored caulk.

Implication(s): Cosmetic defects | Chance of water damage to contents, finishes and/or structure

Location: Various

Task: Repair

Time: Less than 1 year

EXTERIOR

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



8. Mechanical damage

9. Mechanical damage

9. Condition: • [Too close to grade](#)

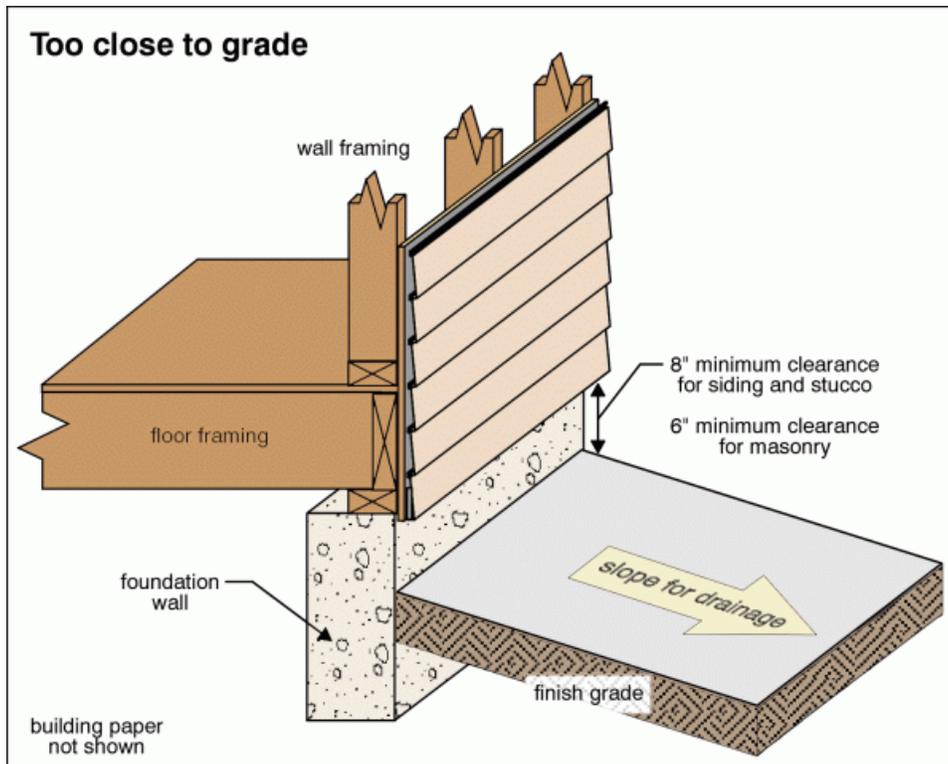
Areas of siding were below grade. Over time, this condition has the potential to rot the wood sheathing and framing.

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Various

Task: Improve

Time: Less than 1 year



EXTERIOR

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



10. Too close to grade

WALLS \ Brick, stone and concrete

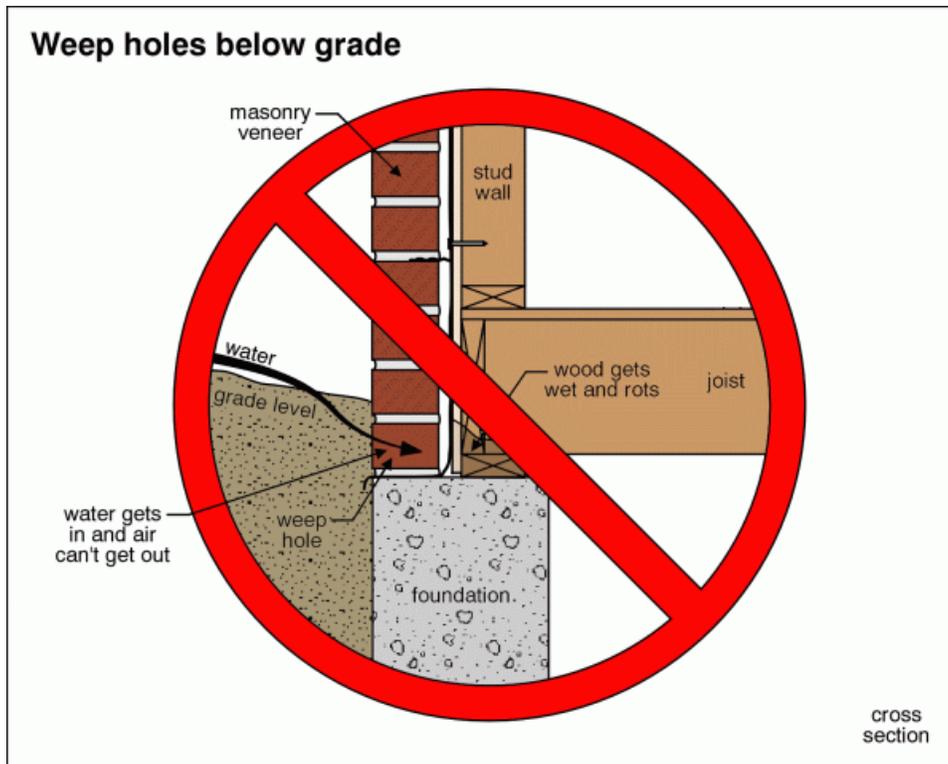
10. Condition: • [Missing, ineffective weep holes or flashings](#)

Weep holes or wicks missing or not visible. Typical in buildings this age.

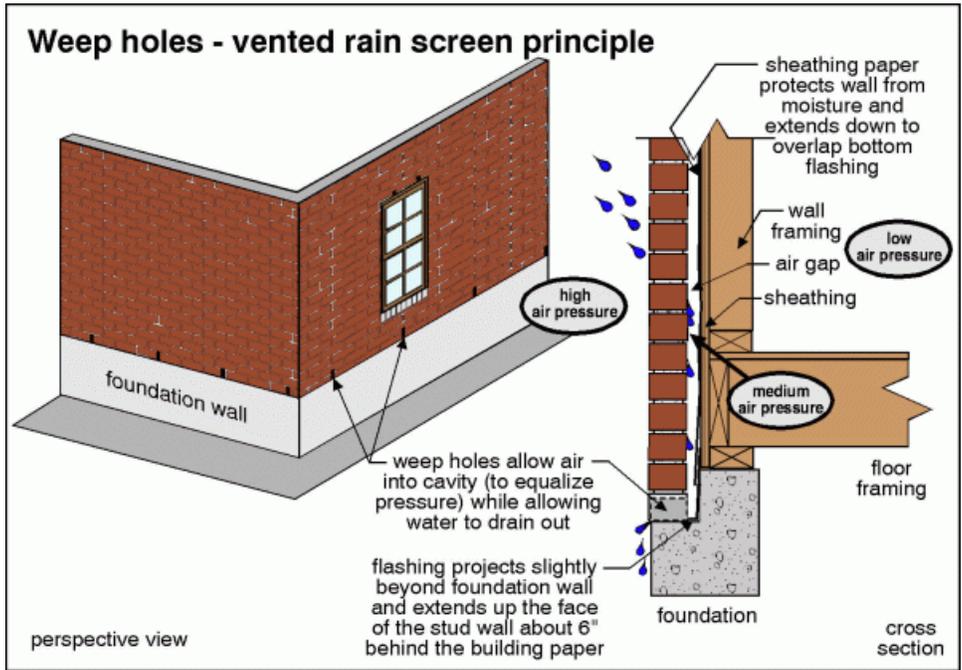
Implication(s): Chance of water damage to contents, finishes and/or structure | Material deterioration

Location: Throughout

Task: Below current standards



SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							

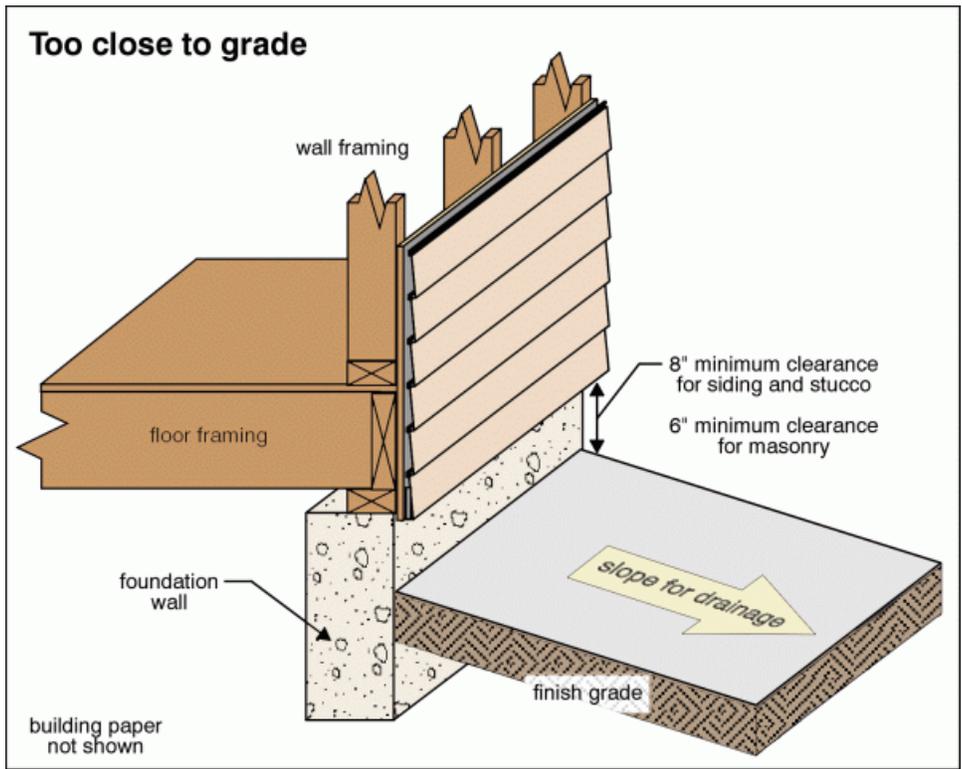


11. Condition: • [Too close to grade](#)

Implication(s): Chance of water entering building | Weakened structure | Rot

Location: Front

Task: Below current standards



EXTERIOR

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE



11. Too close to grade

EXTERIOR GLASS \ Frames

12. **Condition:** • Damaged sill. Seal voids with an approved sealant.

Location: Front

Task: Repair

Time: Less than 1 year



12.

EXTERIOR GLASS \ Exterior drip caps

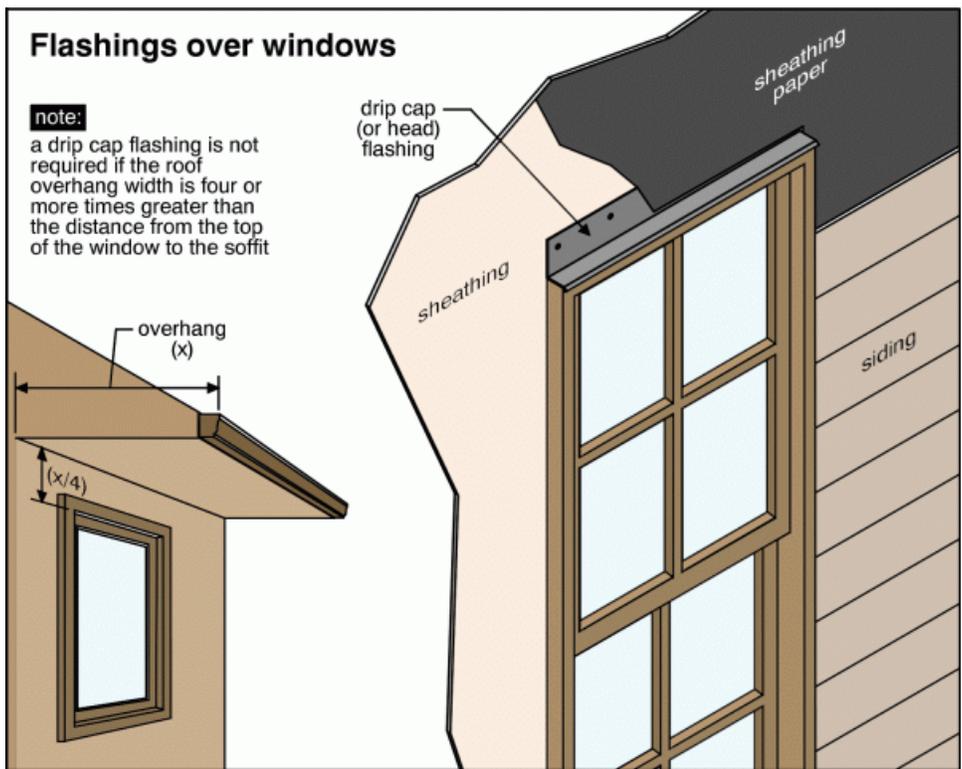
13. **Condition:** • [Missing](#)

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Throughout

Task: Below current standards

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



13. Missing

EXTERIOR GLASS \ Storms and screens

14. Condition: • [Missing](#)

Request seller confirm quantity and install missing storms or screens. Some missing screens were located in the basement.

Implication(s): Increased heating and cooling costs | Reduced comfort

Location: Various

Task: Provide

EXTERIOR

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

Time: Less than 1 year



14. Missing

DOORS \ Doors and frames

15. Condition: • [Damage](#)

Screen door slider track.

Implication(s): Cosmetic defects | Chance of damage to finishes and structure | Poor security

Location: Rear

Task: Repair

Time: When necessary



15. Damage

DOORS \ Exterior drip caps

16. Condition: • [Missing](#)

Implication(s): Chance of damage to finishes and structure

Location: Rear Basement

Task: Below current standards

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							

PORCHES, DECKS, STEPS, PATIOS AND BALCONIES \ Steps and landings

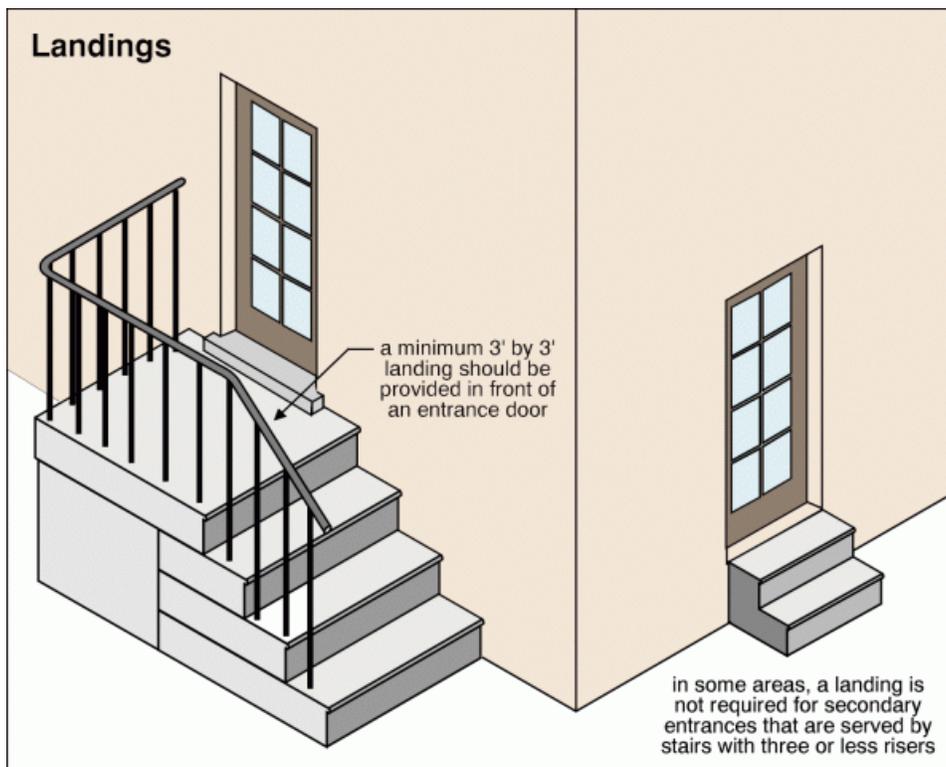
17. Condition: • [Steps slope](#)

Implication(s): Trip or fall hazard

Location: Rear

Task: Repair or replace

Time: Less than 1 year



16. Steps slope

18. Condition: • [Stair rise too big or not uniform](#)

EXTERIOR

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

Greater than 3/8" variance in treads.

Implication(s): Trip or fall hazard

Location: Rear

Task: Below current standards



17. Stair rise too big or not uniform

19. **Condition:** • [Wood/soil contact](#)

Implication(s): Shortened life expectancy of material | Material deterioration

Task: Provide

Time: Less than 1 year

20. **Condition:** • [Rot](#)

Implication(s): Weakened structure | Material deterioration

Location: Rear

Task: Replace

Time: Immediate



18. Rot

EXTERIOR

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

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SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

PORCHES, DECKS, STEPS, PATIOS AND BALCONIES \ Handrails and guards

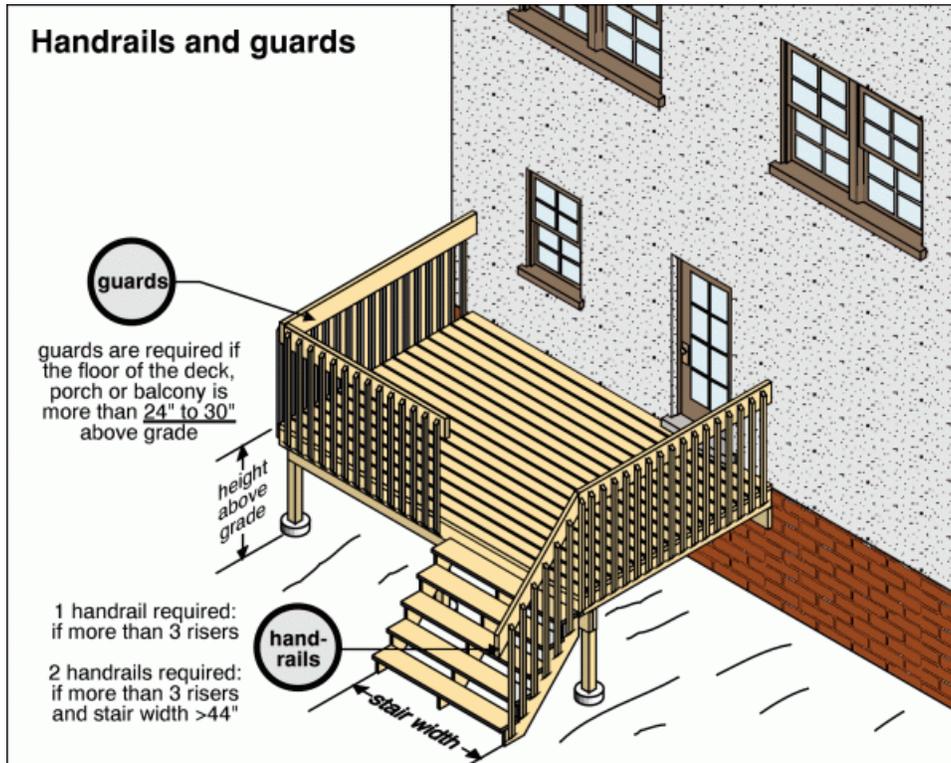
21. Condition: • [Missing](#)

Implication(s): Fall hazard

Location: Rear

Task: Provide

Time: Less than 1 year



PORCHES, DECKS, STEPS, PATIOS AND BALCONIES \ Patios

22. Condition: • [Slope toward building](#)

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Rear

Task: Improve

Time: Less than 1 year

EXTERIOR

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE



19. Slope toward building

LANDSCAPING \ Driveway

23. Condition: • [Cracked or damaged surfaces](#)

Typical defects for age. The surface is in overall good, serviceable condition. Crack sealing and general repairs are recommended.

Implication(s): Trip or fall hazard

Task: Repair

Time: Discretionary

24. Condition: • [Improper slope or drainage](#)

Settled near garage door.

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Garage

Task: Repair

Time: Less than 1 year

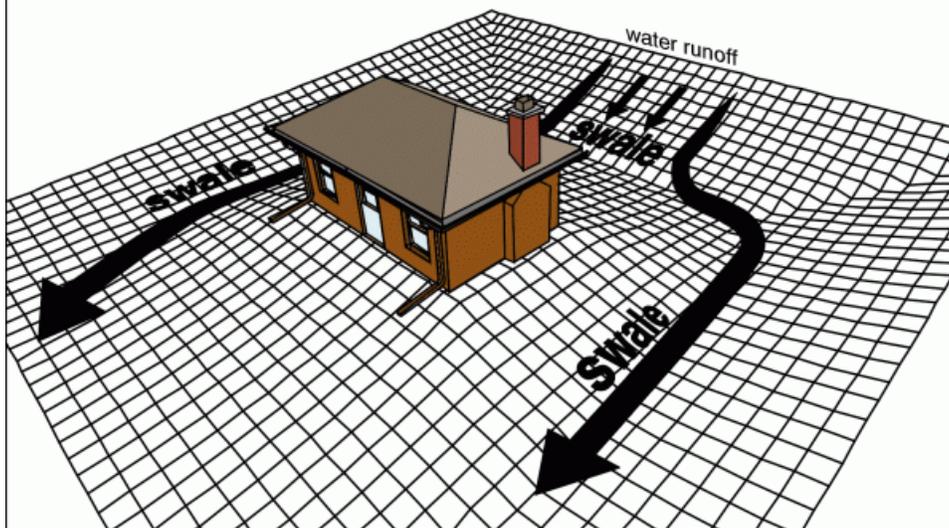
SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							

Recommended grading slopes



Swales

when the overall lot drainage is toward the house, swales can be used to direct surface water away from the foundation



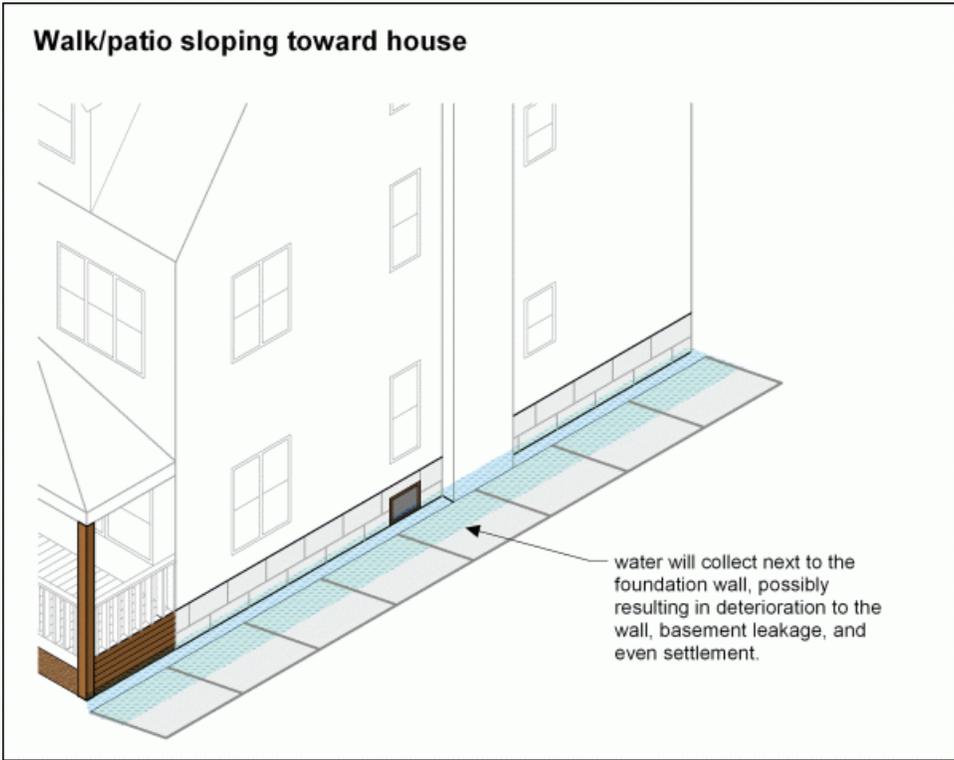
EXTERIOR

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



20. *Improper slope or drainage*

25. **Condition:** • [Uneven \(trip hazard\)](#)

Implication(s): Physical injury

Location: Garage

Task: Repair

Time: Less than 1 year

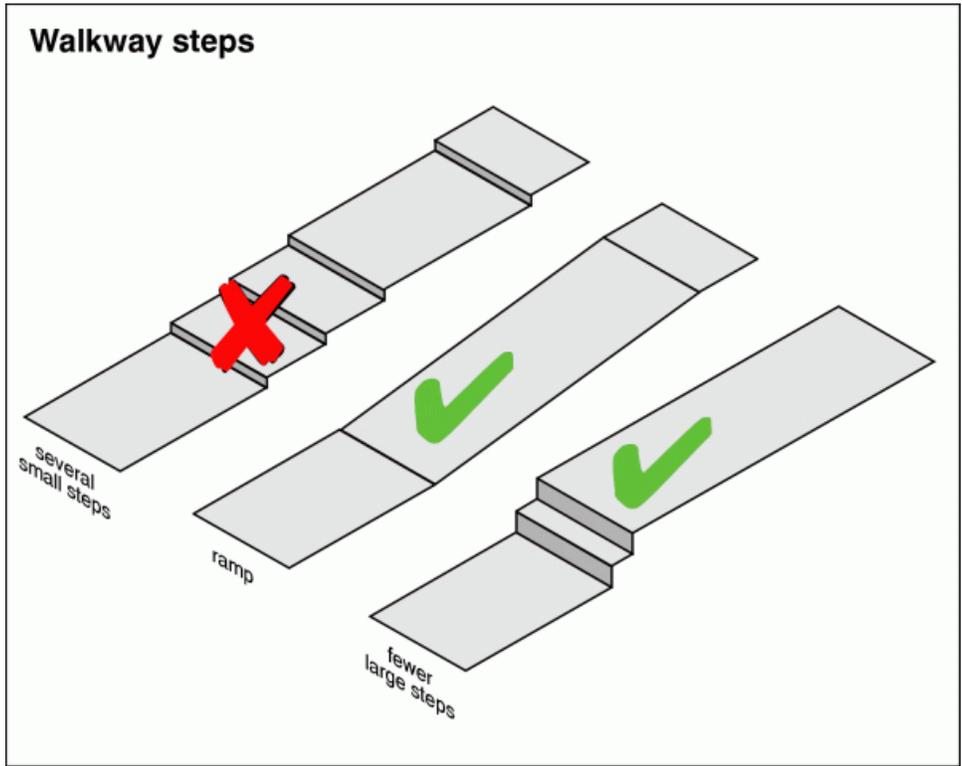
EXTERIOR

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



LANDSCAPING \ Walkway

26. Condition: • [Uneven \(trip hazard\)](#)

Implication(s): Physical injury

Location: Garage

Task: Repair

Time: Less than 1 year

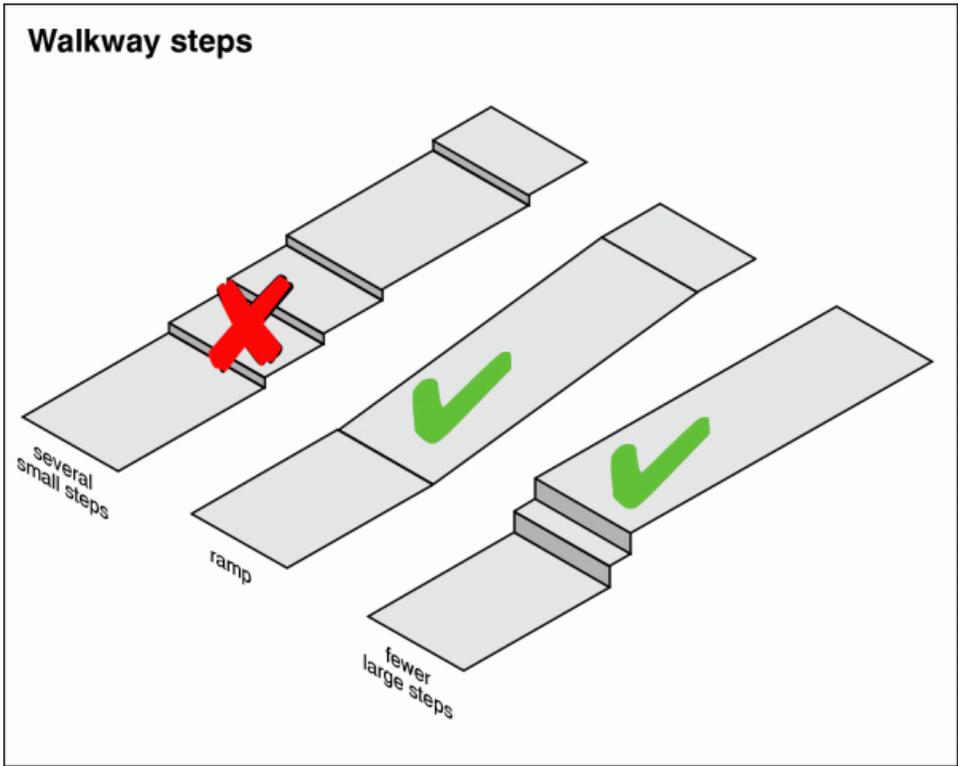
EXTERIOR

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



21. Uneven (trip hazard)

GARAGE \ Floor

27. Condition: • [Cracked](#)

Typical minor surface defects and/or chips in surface. The floor is in good overall condition.

Implication(s): Uneven floors

Task: Monitor

EXTERIOR

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



22. Cracked

GARAGE \ Walls and ceilings

28. Condition: • Not fireproof

Cover openings with a minimum of 1/2" fire rated sheet rock. Re-tape exposed seams over 1/8 inch wide and seal voids. Remove a small section by removing screws to confirm the presence of a fire wall above the ceiling.

Implication(s): Fire hazard

Task: Improve - Further evaluation

Time: Less than 1 year



23. Not fireproof



24. Not fireproof

EXTERIOR

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



25. Not fireproof

26. Not fireproof

GARAGE \ Vehicle doors

29. **Condition:** • The door spring is broken

Location: Small door

Task: Repair

Time: Less than 1 year



27.

IRRIGATION / SPRINKLER SYSTEM \ Observations

30. **Condition:** • May not be properly winterized. Request service documentation from the seller.

Location: Exterior Wall

Task: Request disclosure

EXTERIOR

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



28.

STRUCTURE

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							

Description

Configuration: • [Basement](#)

Foundation material: • [Masonry block](#)

Floor construction: • [Joists](#) • Wood columns • Wood beams • Subfloor - OSB (Oriented Strand Board)

Exterior wall construction: • [Wood frame](#)

Roof and ceiling framing: • [Trusses](#) • [OSB \(Oriented Strand Board\) sheathing](#)

Limitations

Inspection limited/prevented by: • Wall, floor and ceiling coverings • Carpet/furnishings • Insulation

Attic/roof space: • Inspected from access hatch

Percent of foundation not visible: • 60 %

Recommendations

FOUNDATIONS \ Foundation

31. Condition: • Typical minor cracks

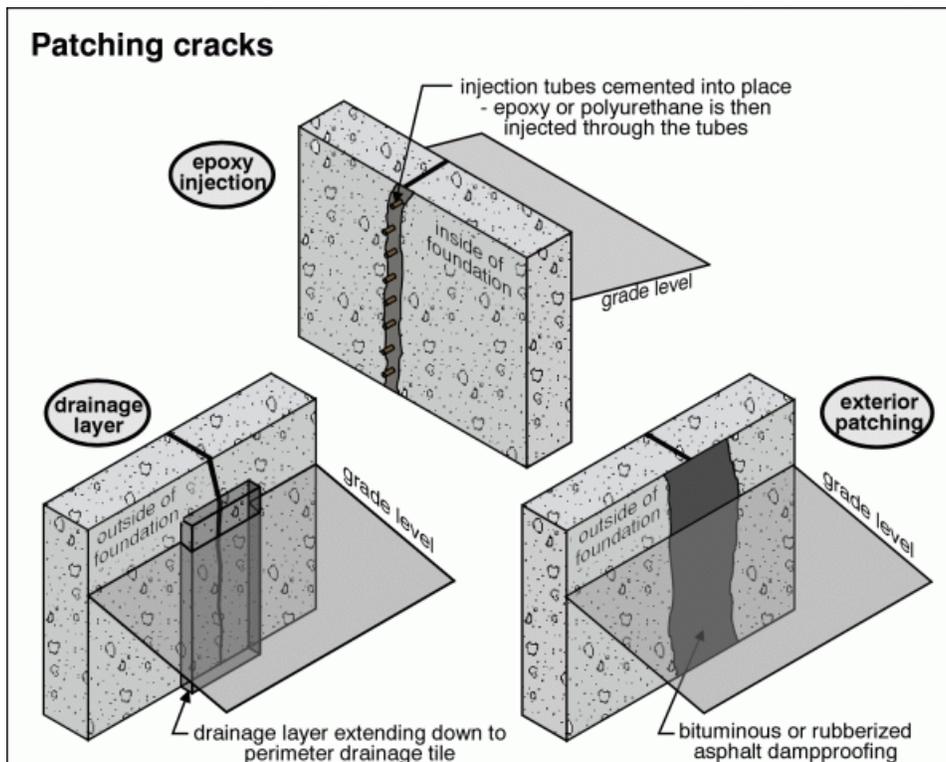
Typical minor cracks. Not a structural concern. Seal cracks to prevent moisture intrusion.

Implication(s): Chance of water entering building

Location: Basement and Garage

Task: Repair

Time: Less than 1 year



SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							

Crack repair - epoxy and polyurethane injection

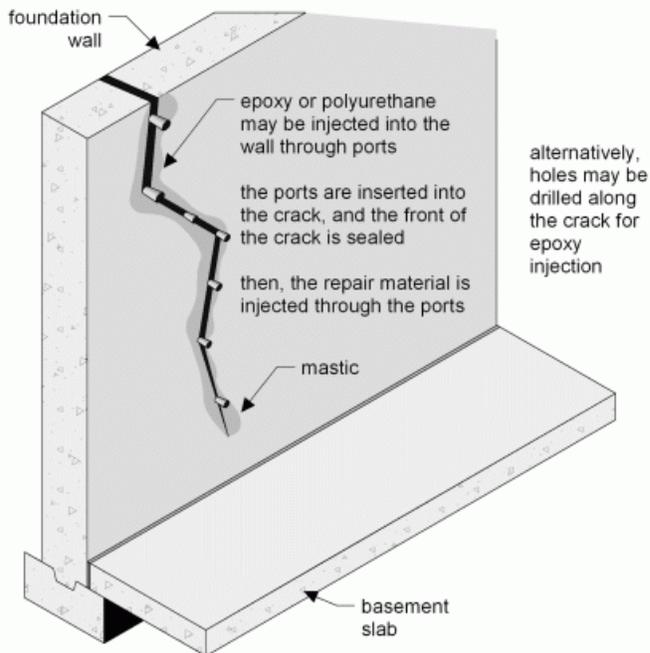
polyurethane is flexible and is not a structural repair, however, it can prevent leakage

it starts out with low viscosity, then expands within the crack

do-it-yourself crack repair kits usually feature polyurethane foam

epoxy is as strong as concrete and forms a structural seal

however, it hardens slowly, and if there is space at the back of the crack, it may leak out



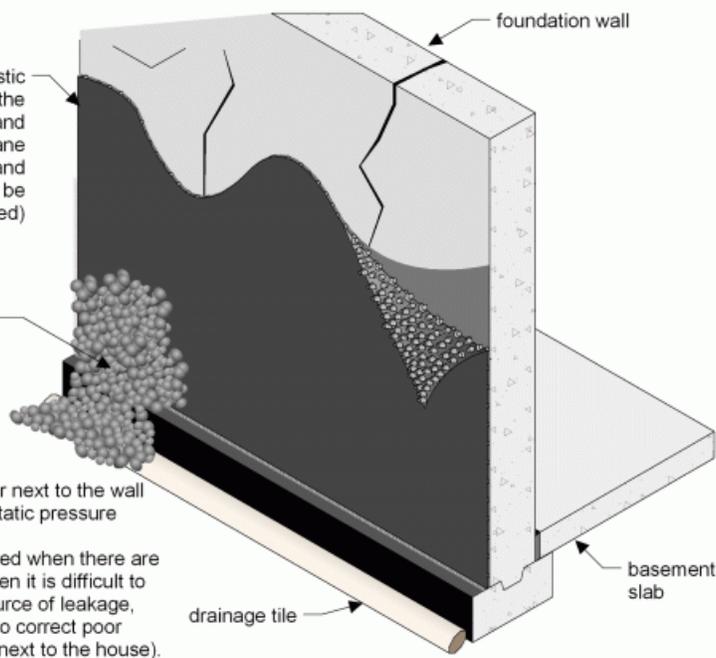
Crack repair - drainage layer

dimpled plastic membrane protects the wall from moisture and provides drainage plane (other membranes and methods may also be used)

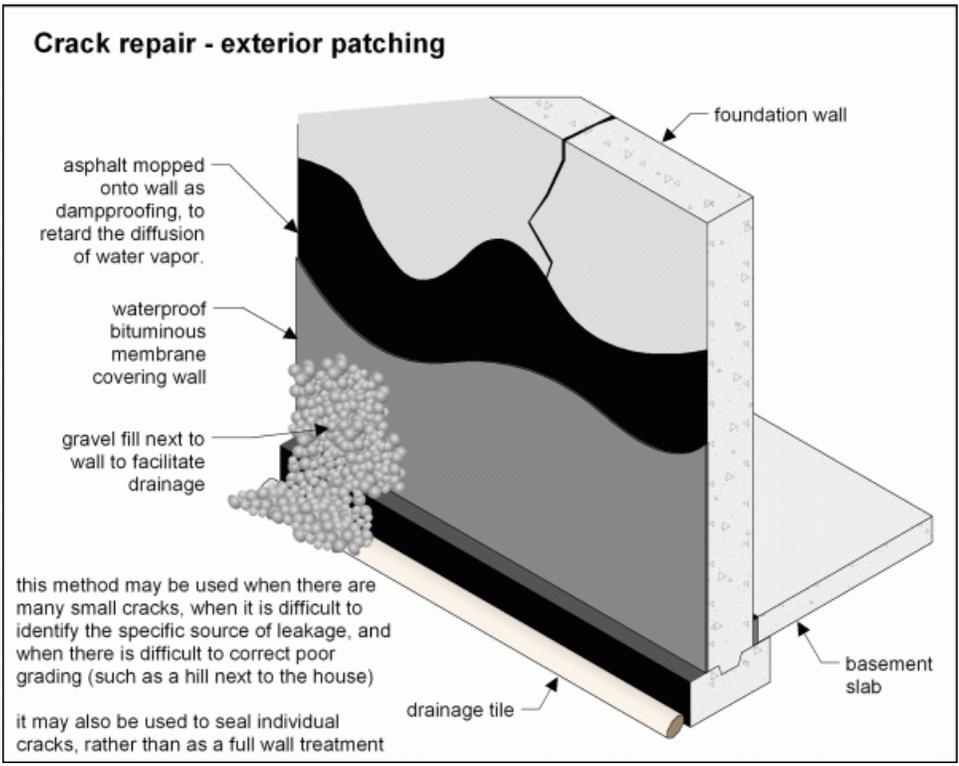
gravel fill next to wall to facilitate drainage

adding a drainage layer next to the wall helps to relieve hydrostatic pressure

this method may be used when there are many small cracks, when it is difficult to identify the specific source of leakage, and when it is difficult to correct poor grading (such as a hill next to the house).



SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



29. Typical minor cracks



30. Typical minor cracks

STRUCTURE

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

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SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

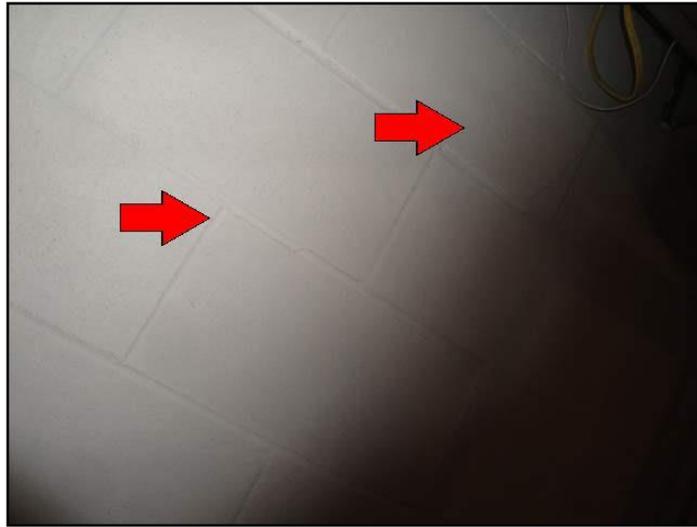
PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE



31. *Typical minor cracks*

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							

Description

Service entrance cable and location: • [Underground copper](#)

Service size: • [200 Amps \(240 Volts\)](#)

Main disconnect/service box rating: • [200 Amps](#)

Main disconnect/service box type and location: • [Breakers - garage](#)

System grounding material and type: • [Copper - water pipe](#)

Distribution wire material and type: • [Copper - non-metallic sheathed](#)

Type and number of outlets (receptacles): • [Grounded - typical](#)

Circuit interrupters: Ground Fault (GFCI) & Arc Fault (AFCI): • [GFCI - bathroom](#) • [GFCI - outside](#) • [GFCI - garage](#) • [GFCI - kitchen](#) • [AFCI - panel](#)

Smoke detectors: • [Present](#)

Carbon monoxide (CO) detectors: • Present

Limitations

System ground: • Continuity not verified • Quality of ground not determined

Circuit labels: • The accuracy of the circuit index (labels) was not verified.

Recommendations

SERVICE BOX, GROUNDING AND PANEL \ Distribution panel

32. Condition: • [Poor access](#)

Implication(s): Difficult to service

Location: Garage

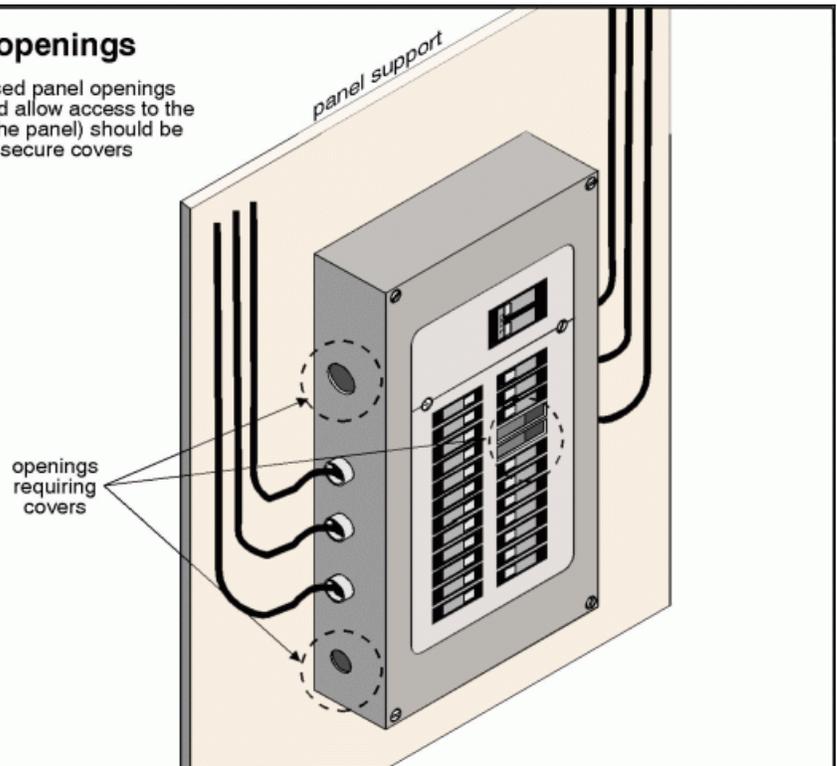
Task: Improve

Time: Less than 1 year

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							

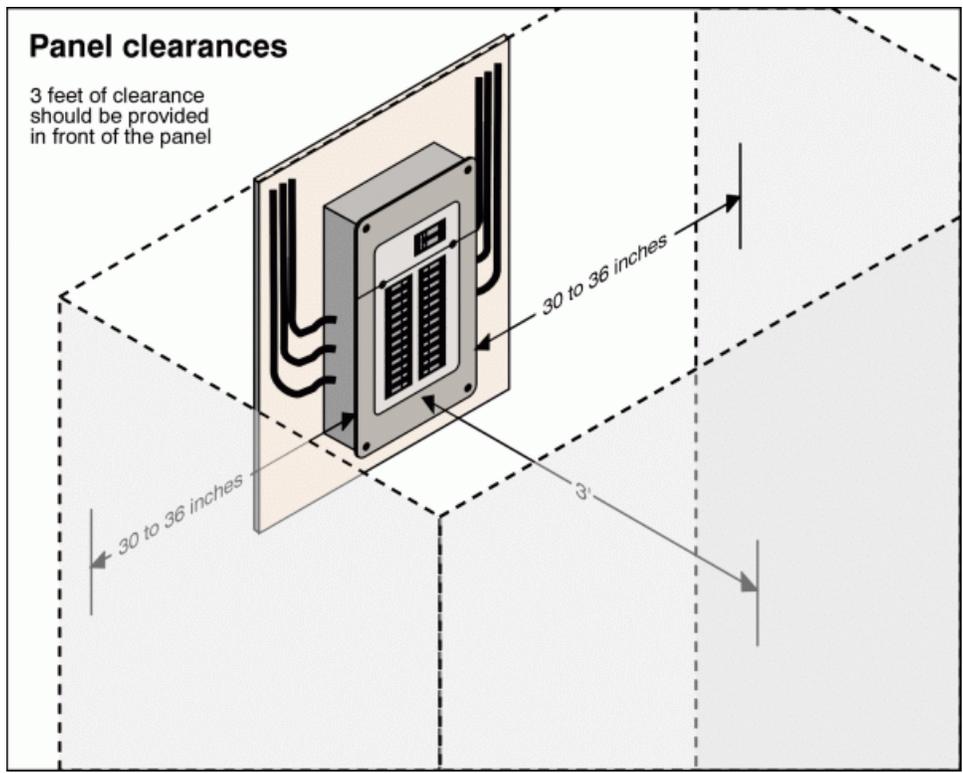
Panel openings

any exposed panel openings (that would allow access to the inside of the panel) should be fitted with secure covers



Panel clearances

3 feet of clearance should be provided in front of the panel



SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



32. Poor access

DISTRIBUTION SYSTEM \ Wiring - damaged or exposed

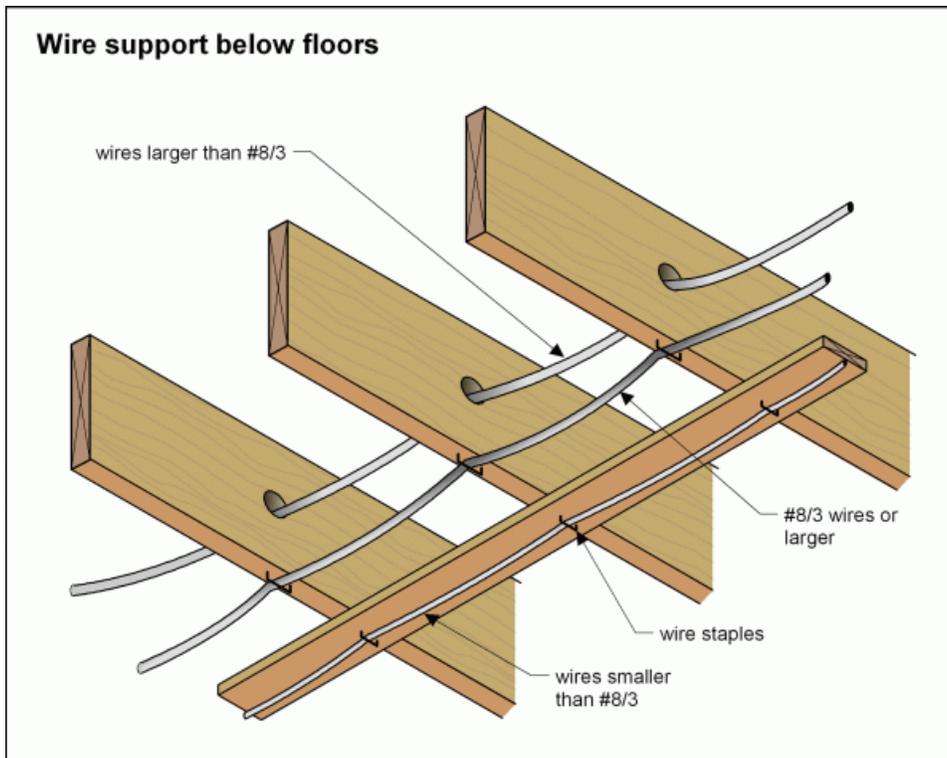
33. Condition: • [Exposed on walls or ceilings](#)

Should be protected in conduit on walls, ceiling or stud edges.

Implication(s): Electric shock

Location: Garage

Task: Below current standards



SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



33. Exposed on walls or ceilings

DISTRIBUTION SYSTEM \ Wiring - installation

34. Condition: • [Extension cord used as permanent wiring](#)

Provide additional outlets or wiring and remove extension cords.

Implication(s): Electric shock | Fire hazard

Location: Basement

Task: Remove

Time: Immediate



34. Extension cord used as permanent wiring

DISTRIBUTION SYSTEM \ Lights

35. Condition: • Rust

Location: Rear Exterior Wall

Task: Repair

Time: Less than 2 years

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



35.

DISTRIBUTION SYSTEM \ Outlets (receptacles)

36. Condition: • [Loose](#)

Implication(s): Electric shock | Fire hazard

Location: Laundry Area

Task: Improve

Time: Less than 1 year



36. Loose

37. Condition: • [No GFCI \(Ground Fault Circuit Interrupter\)](#)

Current standards require GFCI protection for all bathroom receptacles, all garage and accessory buildings, all receptacles in unfinished basements (except permanently installed burglar or fire alarms), all receptacles serving kitchen countertops, receptacles within 6' of sinks, receptacles within 6' of showers or tubs, receptacles serving laundry areas, all receptacles serving crawlspace at or below grade, all exterior receptacles (except those serving snow melting or de-icing equipment), outlets supplying dishwashers, hydro massage tubs, and must be readily accessible.

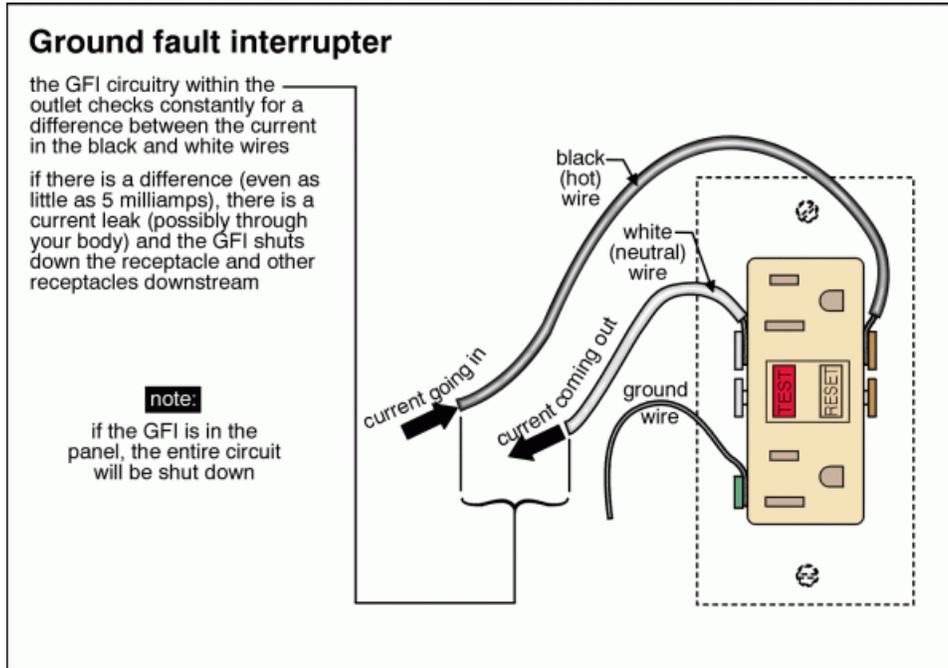
SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							

These standards may be enforced by the local building official when outlets are changed or added.

Implication(s): Electric shock

Location: Various

Task: Below current standards



38. Condition: • [No AFCI \(Arc Fault Circuit Interrupter\)](#)

Current standards require AFCI protection for all 120v 15Amp & 20Amp branch circuits supplying power to outlets in the following areas: Family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sun rooms, recreation rooms, closets, hallways & similar rooms. Also required for kitchen and laundry areas. Also required for devices (switches) in all areas above. Not required on individual circuit for central station alarm in RMC, IMC, EMT or steel-armored cable (type AC or MC) with metal junction boxes.

Local building official may require upgrades to any wiring that is extended, modified or replaced.

Implication(s): Fire hazard

Location: Various

Task: Below current standards

DISTRIBUTION SYSTEM \ Cover plates

39. Condition: • [Missing](#)

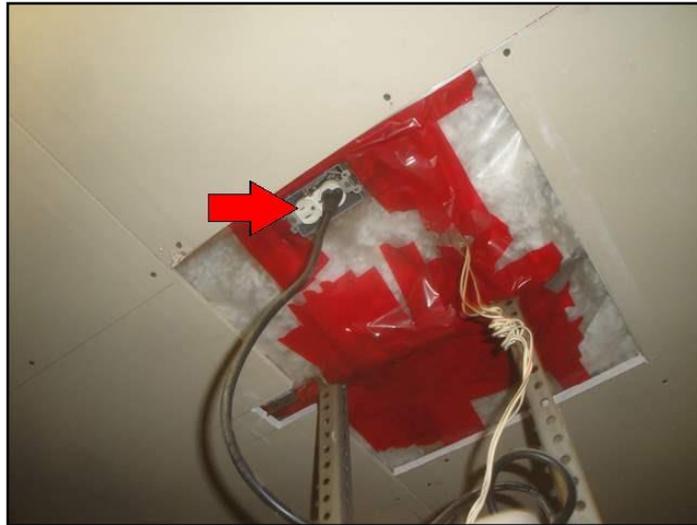
Implication(s): Electric shock

Location: Garage Ceiling

Task: Repair or replace

Time: Immediate

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



37. Missing

DISTRIBUTION SYSTEM \ Smoke detectors

40. Condition: • [Inoperative](#)

Replace batteries. This is not a concern as the hardwired detectors were functional.

Implication(s): Fire hazard

Location: Second Floor

Task: Repair or replace

Time: Immediate

DISTRIBUTION SYSTEM \ Carbon monoxide (CO) detectors

41. Condition: • None

Provide, at a minimum , on each level of the home within 10 feet of sleeping rooms.

Implication(s): Health hazard

Location: Second Floor

Task: Provide

Time: Immediate

HEATING

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

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SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

Description

Fuel/energy source: • [Gas](#)

System type: • [Furnace](#) • [Heat recovery ventilator](#)

Heat distribution: • [Ducts and registers](#)

Approximate capacity: • [80,000 BTU/hr](#)

Efficiency: • [High-efficiency](#)

Exhaust venting method: • [Direct vent - sealed combustion](#)

Approximate age: • [13 years](#)

Typical life expectancy: • Furnace (high efficiency) 15 to 20 years

Main fuel shut off at: • Meter • Basement

Failure probability: • [Low](#)

Exhaust pipe (vent connector): • PVC plastic

Auxiliary heat:

- Gas space heater
- Garage

Chimney/vent:

- None
- Garage heater

Combustion air source:

- Interior of building
- Garage heater
- Outside - sealed combustion

Mechanical ventilation system for home: • Heat recovery ventilator (HRV) • Bathroom exhaust fan

Limitations

Safety devices: • Not tested as part of a building inspection

Heat loss calculations: • Not done as part of a building inspection

Heat exchanger: • Only a small portion visible

Recommendations

General

42. • Recommend annual service for older components to prolong the life of the component

Task: Service

Time: Annually

SPACE HEATER \ Room heater

43. Condition: • Inoperable - Igniter did not function and gas was shut off.

Location: Garage

Task: Replace

Time: Less than 1 year

44. Condition: • [Unvented](#)

Unvented heaters generally create excess water vapor buildup in the structure. Most jurisdictions do not allow unvented heater installations.

Implication(s): Hazardous combustion products entering home

Location: Garage

Task: Replace

Time: Less than 1 year



38. *Unvented*

HEAT RECOVERY VENTILATOR \ Filters

45. Condition: • [Dirty](#)

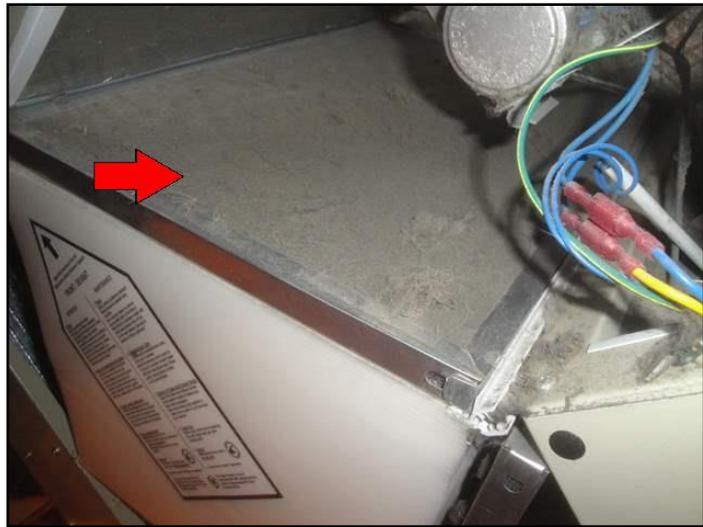
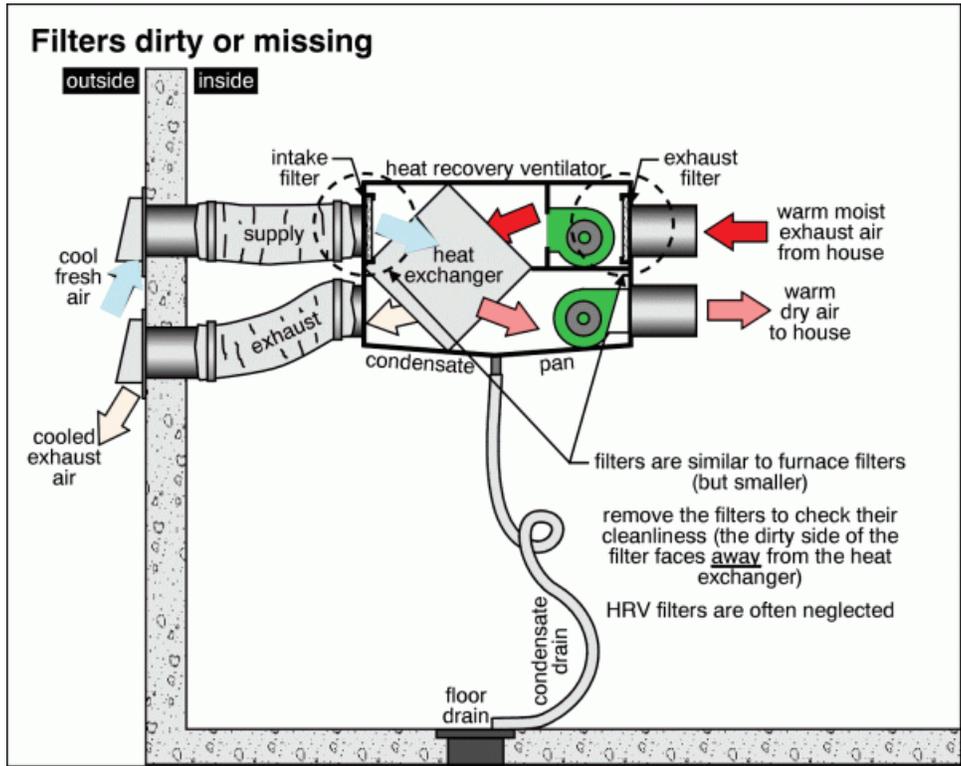
Implication(s): Equipment ineffective

Location: Basement

Task: Clean

Time: Less than 1 year

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



39. Dirty

COOLING & HEAT PUMP

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

Description

Air conditioning type: • [Air cooled](#)

Cooling capacity: • [36,000 BTU/hr](#)

Compressor approximate age: • 13 years

Failure probability: • [Medium](#)

Limitations

Inspection limited/prevented by:

• Low outdoor temperature

Severe compressor damage may result if temperature has been below 60 degrees 24 hours prior to the inspection.

Heat gain calculations: • Not done as part of a building inspection

Recommendations

General

46. • Recommend annual service for older components to prolong the life of the component

Task: Service

Time: Annually

AIR CONDITIONING \ Air cooled condenser coil

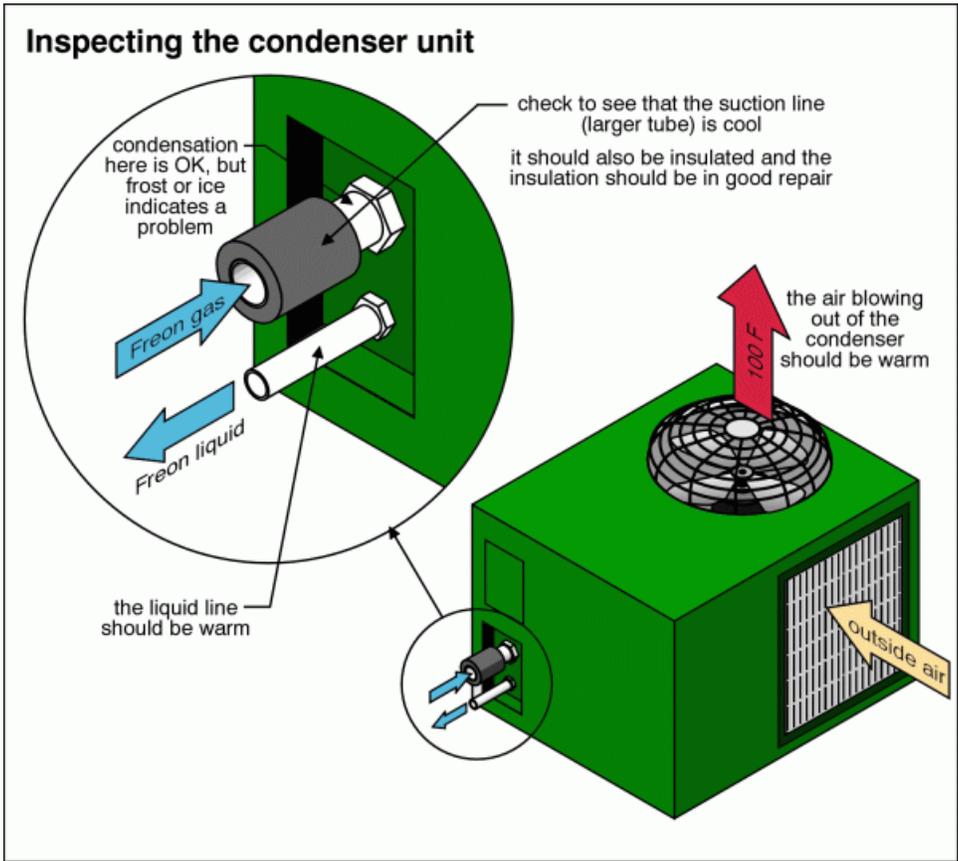
47. **Condition:** • [Dirty](#)

Implication(s): Reduced system life expectancy | Increased cooling costs | Reduced comfort

Task: Clean

Time: Less than 1 year

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



40. Dirty

INSULATION AND VENTILATION

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

Description

Attic/roof insulation material: • [Glass fiber](#) • [Vermiculite](#)

Attic/roof insulation amount/value:

• Not determined

Amount varies due to disturbed or compressed insulation

Attic/roof ventilation: • [Roof and soffit vents](#)

Attic/roof air/vapor barrier: • [Plastic](#)

Limitations

Inspection prevented by no access to: • Wall space

Attic inspection performed: • From access hatch

Roof ventilation system performance: • Not evaluated

Air/vapor barrier system: • Continuity not verified

Recommendations

ATTIC/ROOF \ Insulation

48. Condition: • [Compressed](#)

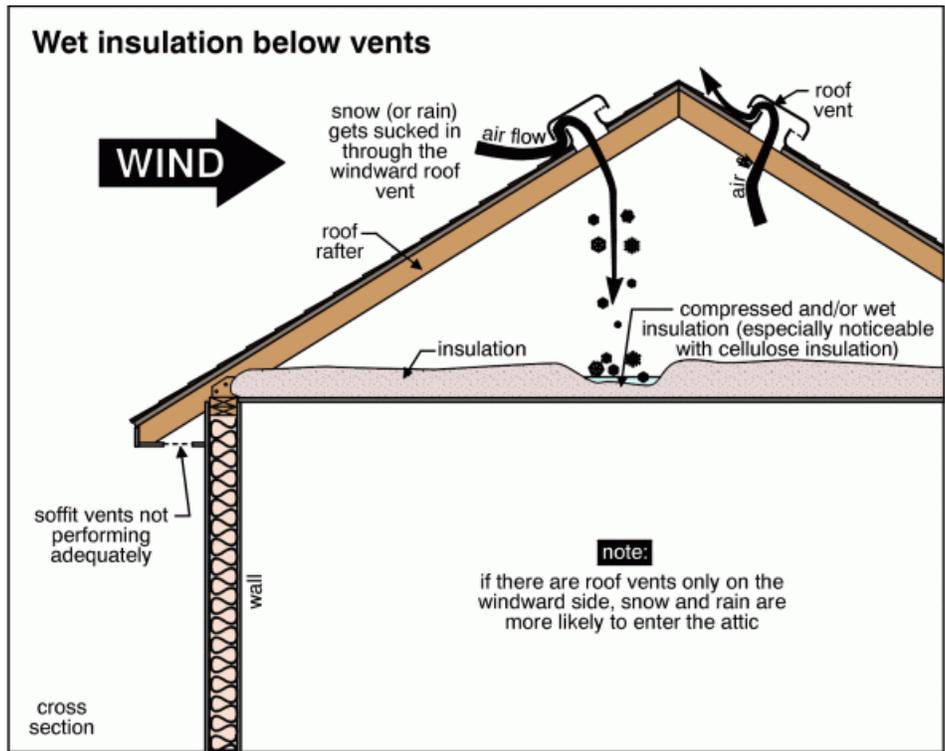
Disturbed or compressed insulation reduces effective R-Value. Redistribute compressed insulation.

Implication(s): Increased heating and cooling costs | Reduced comfort

Task: Improve

Time: Less than 1 year

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



41. Compressed

49. Condition: • [Possible Zonolite](#)

A small amount of vermiculite insulation was observed in the attic. Recommend testing the vermiculite to determine if it is contaminated with asbestos.

Information regarding Zonolite: <http://www.asbestos.com/products/construction/zonolite-insulation.php> and <http://www.zonoliteatticinsulation.com/>

Implication(s): Environmental contamination

Task: Further evaluation

Time: Less than 1 year

INSULATION AND VENTILATION

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



42. Possible Zonolite

43. Possible Zonolite

WALLS \ Air/vapor barrier

50. Condition: • Double vapor barrier. Potential mold observed on the Kraft paper located behind the plastic.

Location: Garage

Task: Remove

Time: Less than 1 year



44.

45.

51. Condition: • [Incomplete](#)

Lacks approved mastic for sealing to top and bottom plate. Voids and missing areas were observed. Seal seams and small voids with approved tape.

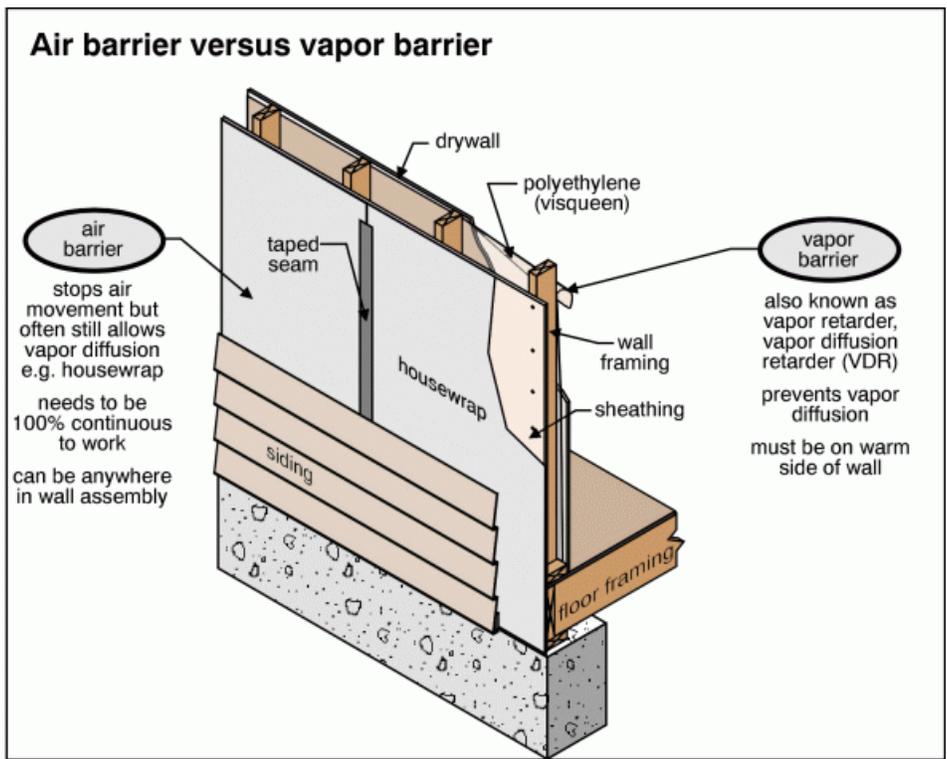
Implication(s): Chance of condensation damage to finishes and/or structure | Increased heating and cooling costs

Location: Basement & Garage

Task: Repair

Time: Less than 1 year

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



46. Incomplete

47. Incomplete

FOUNDATION \ Exterior insulation

52. Condition: • [Not protected at top](#)

Protective coating is damaged or deteriorated. Link to article:
<http://www.greenbuildingadvisor.com/blogs/dept/qa-spotlight/how-finish-exterior-foundation-insulation>

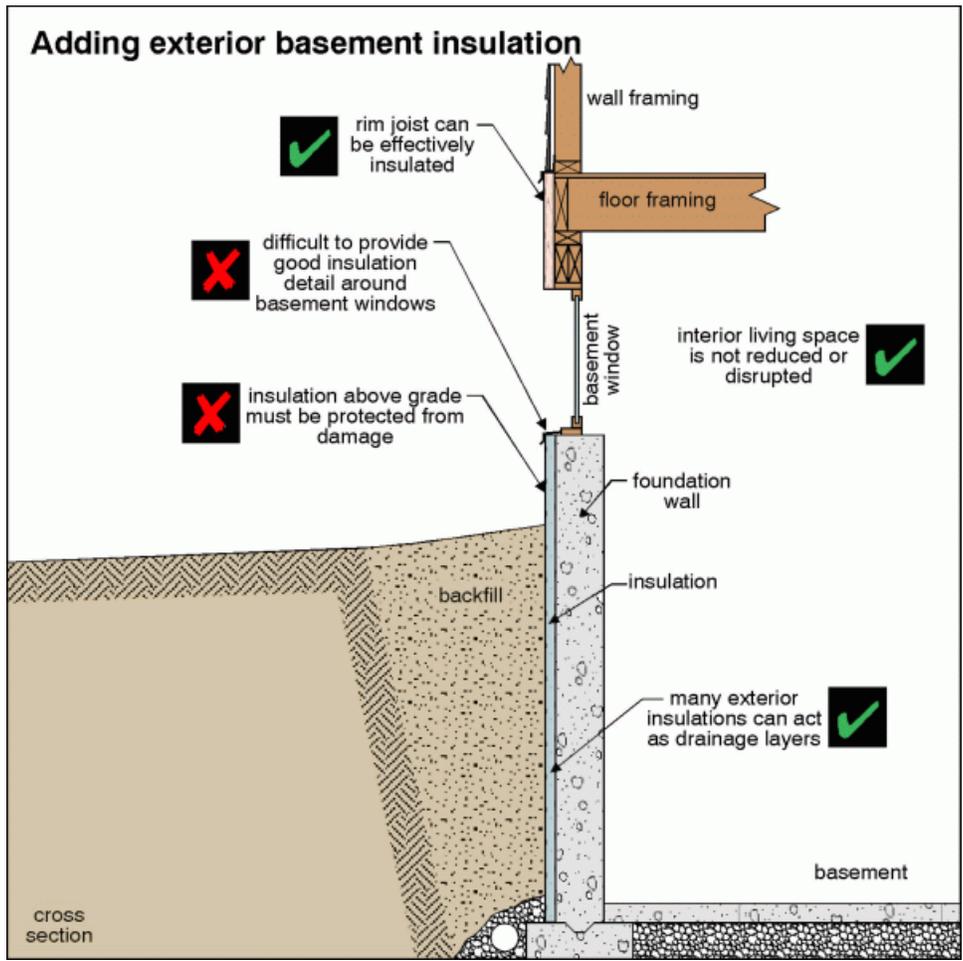
Implication(s): Increased heating costs | Reduced comfort

Location: Various

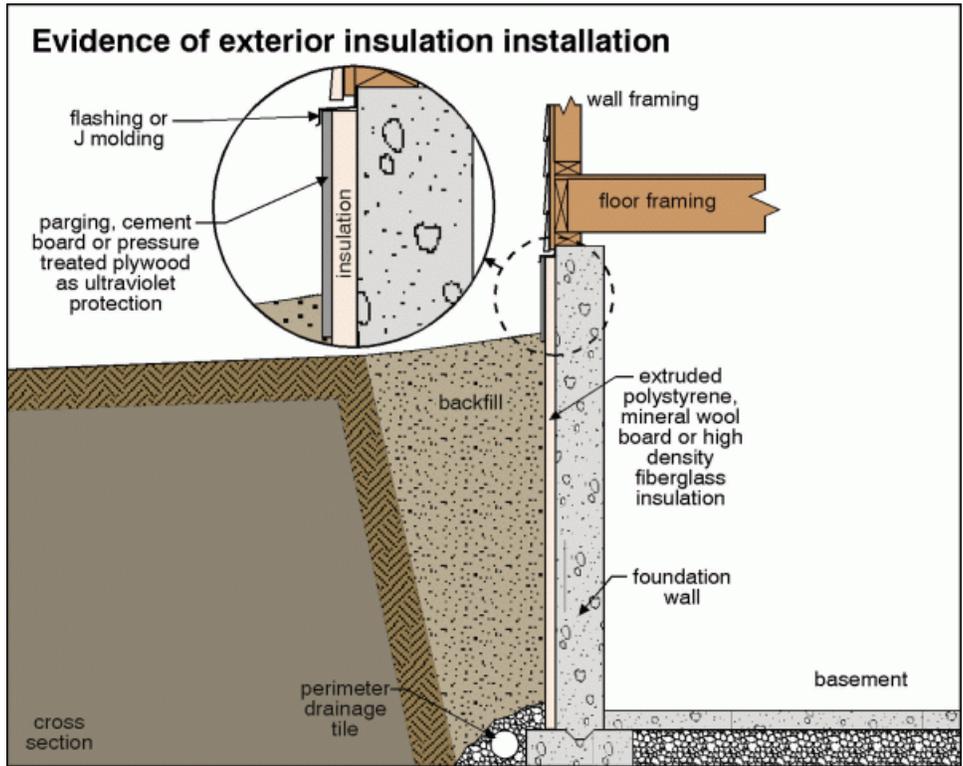
Task: Repair

Time: Less than 1 year

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



48. Not protected at top



49. Not protected at top

INSULATION AND VENTILATION

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE



50. *Not protected at top*

Description

Water supply source: • Public

Service piping into building: • [Copper](#)

Supply piping in building: • [Copper](#) • [Plastic](#)

Main water shut off valve at the: • Meter

Water flow and pressure: • [Functional](#)

Water heater fuel/energy source: • [Gas](#)

Water heater type: • [Induced draft](#)

Tank capacity: • 50 gallons

Water heater approximate age: • 13 years

Typical life expectancy: • 8 to 12 years

Water heater failure probability: • [Medium](#)

Waste disposal system: • [Public](#)

Waste and vent piping in building: • [PVC plastic](#)

Floor drain location: • Near heating system

Water treatment system: • Water softener

Gas piping: • Steel • Copper • CSST (Corrugated Stainless Steel Tubing)

Limitations

Items excluded from a building inspection: • Water quality • Isolating/relief valves & main shut-off valve • Concealed plumbing • Tub/sink overflows • Water treatment equipment • Water heater relief valves are not tested

Recommendations

SUPPLY PLUMBING \ Supply piping in building

53. Condition: • [Leak](#)

Evidence of past leaks, no active leak were observed. Evaluate and tighten or repair fittings, unions and valves if needed.

Implication(s): Chance of water damage to contents, finishes and/or structure | System inoperative

Location: Kitchen

Task: Monitor

PLUMBING

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE



51. Leak

54. Condition: • [Non-standard material](#)

Appears to be a temporary repair

Implication(s): Chance of water damage to contents, finishes and/or structure | Reduced system life expectancy | No water

Location: Exterior Wall Irrigation

Task: Further evaluation



52. Non-standard material

WASTE PLUMBING \ Drain piping - performance

55. Condition: • [Dishwasher drain connections](#)

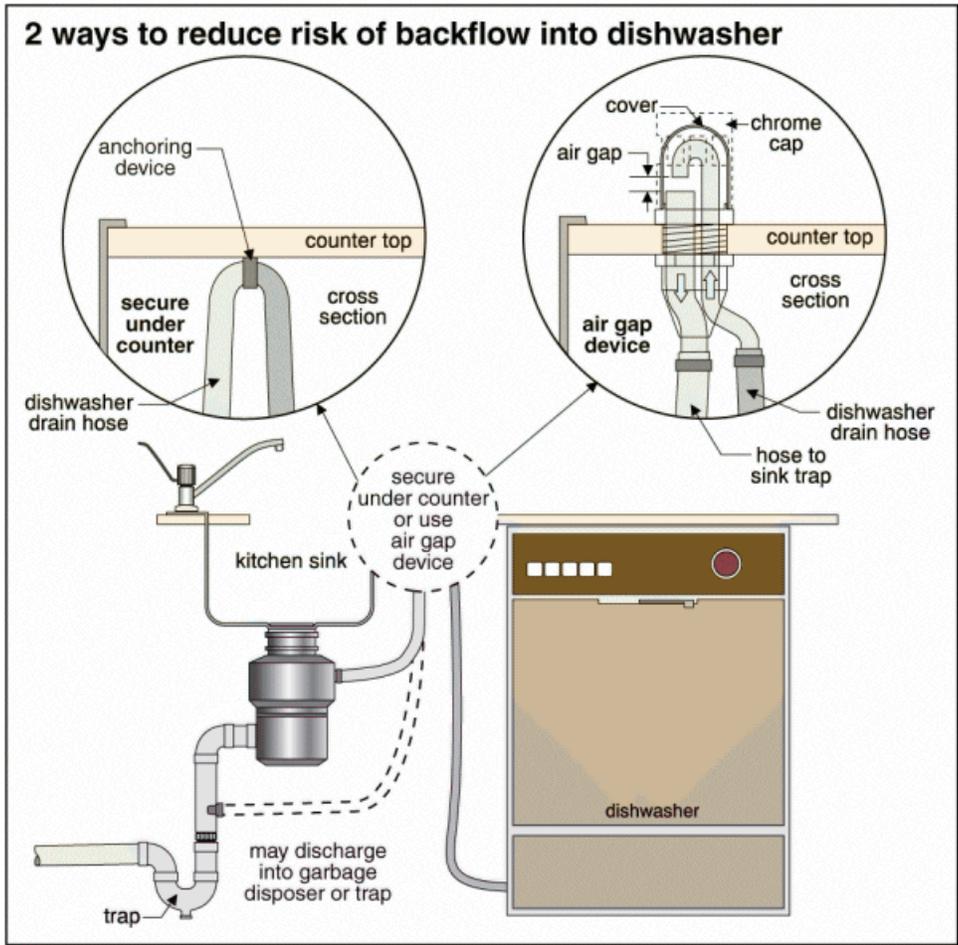
No high loop on drain line. Attach to top of counter top.

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Kitchen

Task: Below current standards

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



53. Dishwasher drain connections

WASTE PLUMBING \ Drain piping - installation

56. Condition: • [Nonstandard materials and patches](#)
Flexible drain connector.

Implication(s): Chance of water damage to contents, finishes and/or structure | Sewage entering the building

Location: Kitchen

Task: Below current standards



54. *Nonstandard materials and patches*

WASTE PLUMBING \ Sump pump

57. Condition: • [Lid missing, rotted or not secure](#)

Not secured with three screws. This condition is a potential safety hazard.

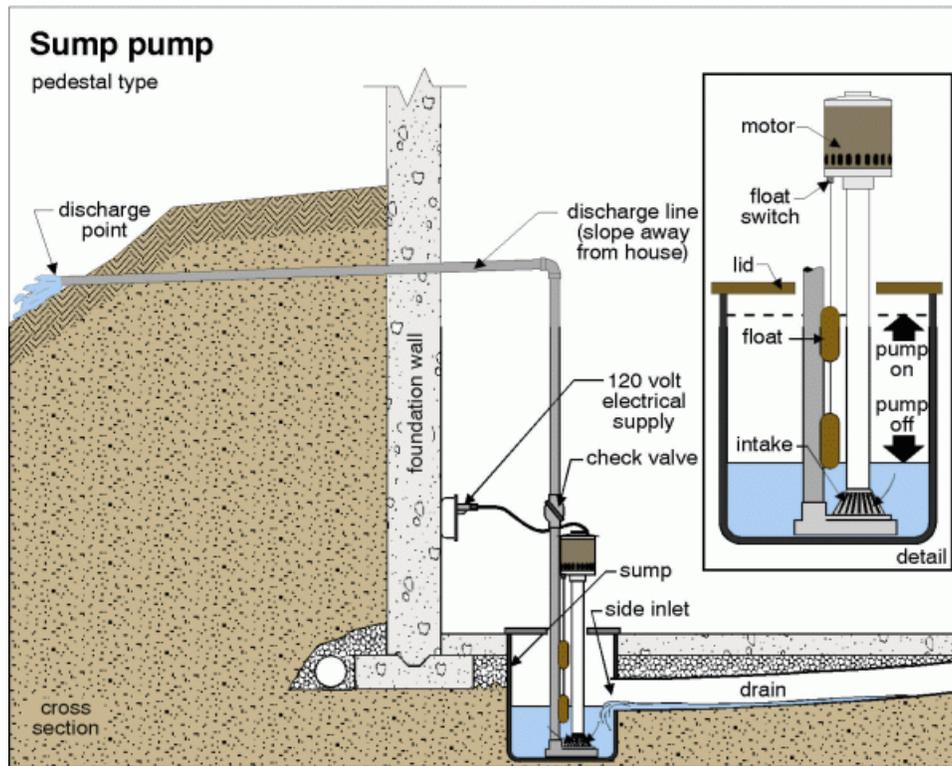
Implication(s): Trip or fall hazard

Location: Basement

Task: Improve

Time: Immediate

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



58. Condition: • [Discharge pipe problems](#)

Appears to discharge below grade near the foundation. Excavate the area to determine where the pipe terminates or disconnect below grade portion and replace with a corrugated hose that discharges to grade.

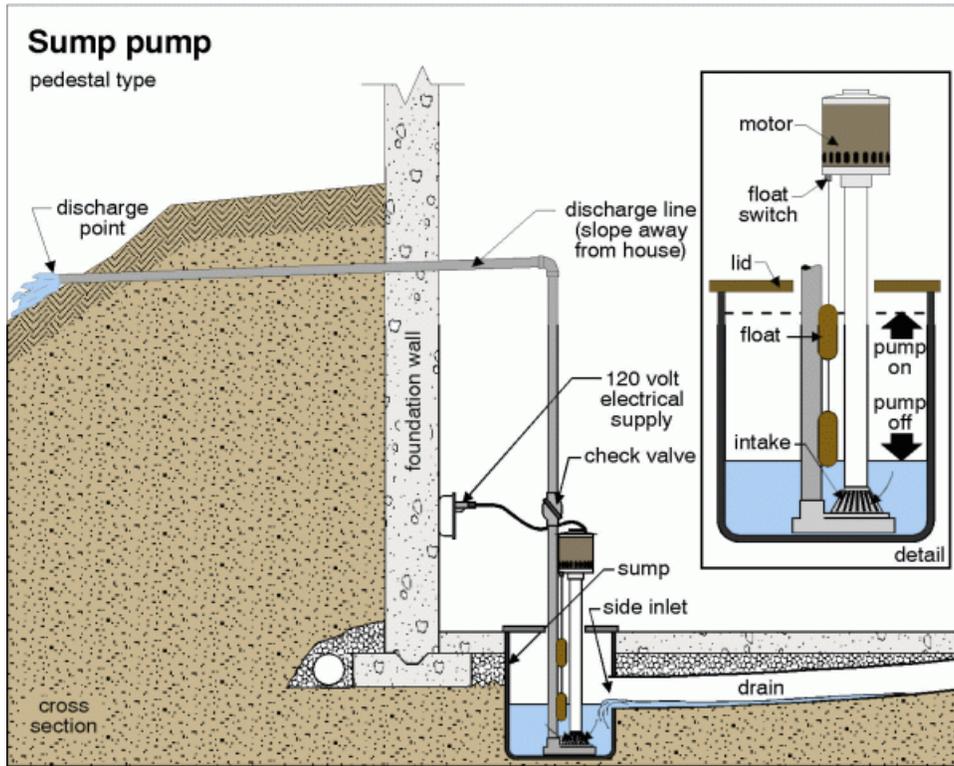
Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Exterior

Task: Improve

Time: Less than 1 year

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



55. Discharge pipe problems

FIXTURES AND FAUCETS \ Basin, sink and laundry tub

59. Condition: • [Slow drains](#)

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Master Bathroom

Task: Clean

Time: Less than 1 year

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							

FIXTURES AND FAUCETS \ Toilet

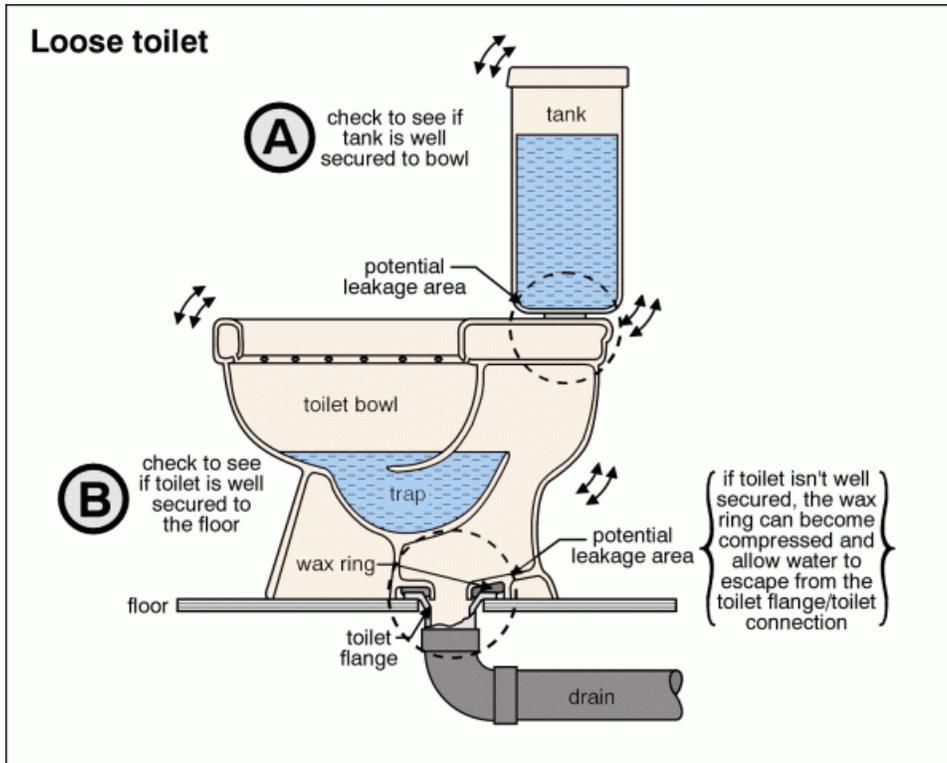
60. Condition: • [Loose](#)

Implication(s): Chance of water damage to contents, finishes and/or structure | Sewage entering the building

Location: Master Bathroom

Task: Repair

Time: Less than 1 year



56. Loose

FIXTURES AND FAUCETS \ Bathtub

61. Condition: • [Grout loose, missing or deteriorated](#)

Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Master Bathroom

Task: Repair

Time: Less than 1 year



57. Grout loose, missing or deteriorated

FIXTURES AND FAUCETS \ Hose bibb

62. Condition: • [Backflow prevention missing](#)

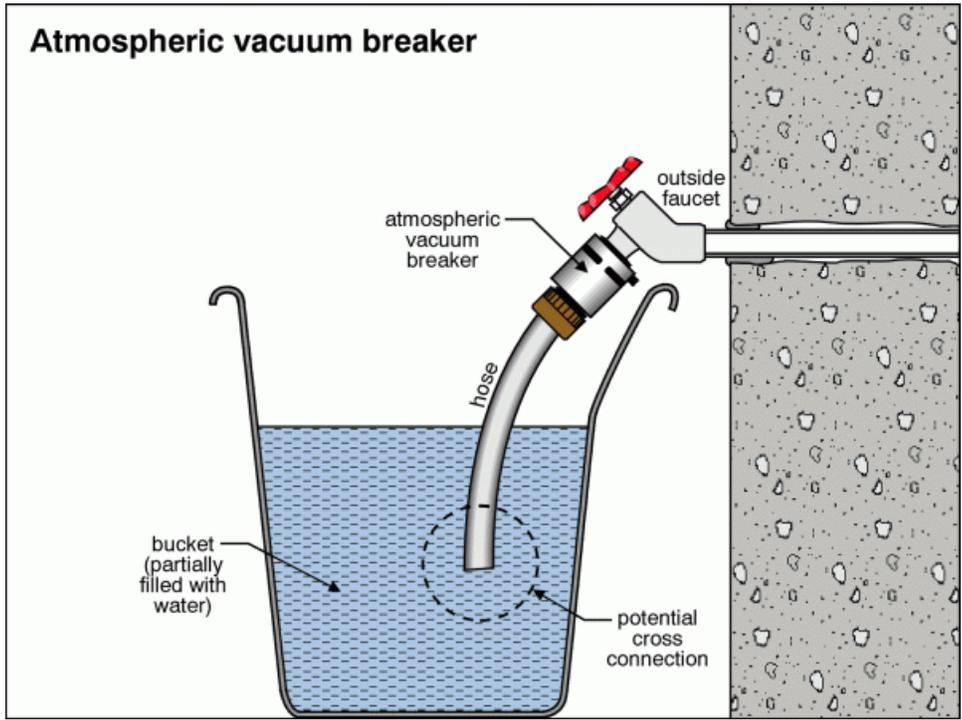
Lack of backflow prevention devices has the potential to contaminate water supply. Provide on all threaded faucets and hose bibs.

Implication(s): Contaminated drinking water

Task: Provide

Time: Less than 1 year

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



GAS SUPPLY \ Gas piping

63. Condition: • Piping not properly bonded

CSST gas pipe that is not bonded is a potential fire hazard if affected by a lightning strike. Visit: <http://www.csstsafety.com/Images/CSST-Direct-Bonding-Tech-Bulletin.pdf>

Implication(s): Fire or explosion

Location: Basement

Task: Repair

Time: Immediate



58. Piping not properly bonded



59. Piping not properly bonded

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

Description

Major floor finishes: • [Carpet](#) • [Hardwood](#) • [Resilient](#) • [Ceramic](#)

Major wall and ceiling finishes: • [Plaster/drywall](#)

Windows: • [Single/double hung](#) • [Sliders](#) • [Casement](#)

Glazing: • [Single](#) • [Double](#)

Exterior doors - type/material: • Hinged • [Sliding glass](#)

Limitations

Inspection limited/prevented by: • Carpet • Storage/furnishings • New finishes/paint • Storage in closets/cupboards

Not included as part of a building inspection: • Carbon monoxide detectors, security systems, central vacuum

Cosmetics: • No comment offered on cosmetic finishes

Appliances: • Self-cleaning features on ovens not tested • Effectiveness of dishwasher drying cycle not tested • Appliances are not moved during an inspection

Basement leakage: • Cannot predict how often or how badly basement will leak

Recommendations

FLOORS \ General

64. Condition: • Typical flaws

Implication(s): Cosmetic defects

Task: Comment

WALLS \ General

65. Condition: • Typical flaws

Implication(s): Cosmetic defects

Task: Comment

WALLS \ Plaster or drywall

66. Condition: • [Nail pops](#)

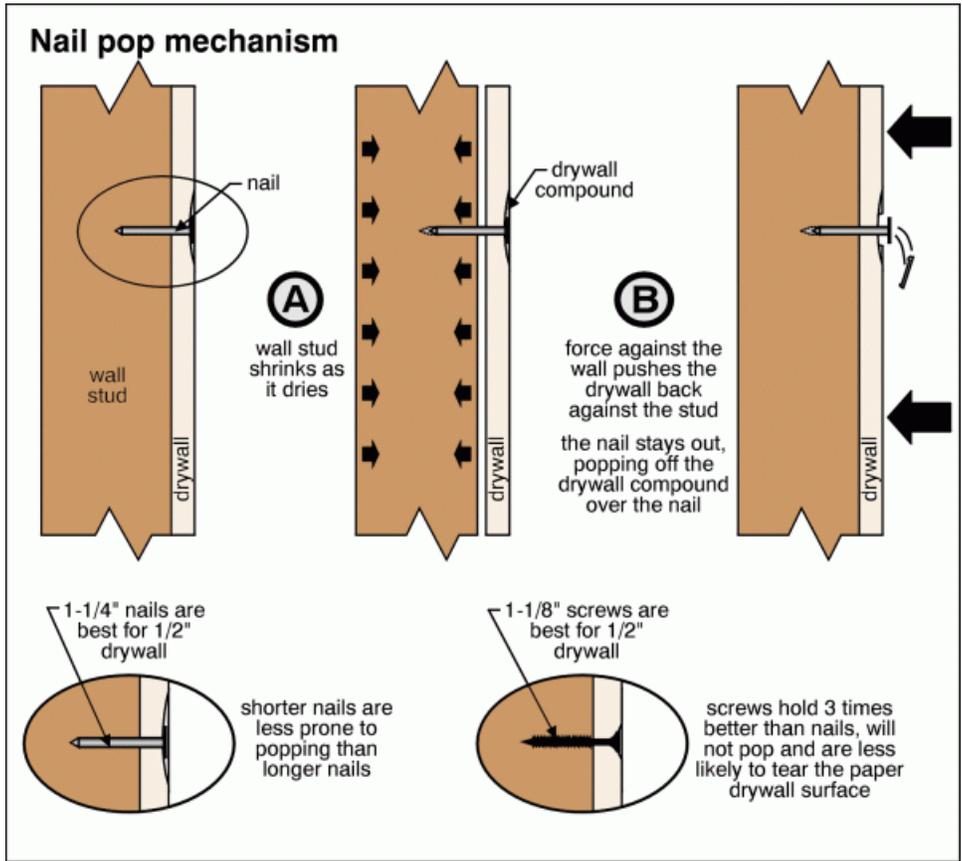
Implication(s): Cosmetic defects

Location: Various

Task: Repair

Time: Discretionary

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



60. Nail pops



61. Nail pops

CEILINGS \ General

67. Condition: • Typical flaws
Implication(s): Cosmetic defects
Task: Comment

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							

CEILING \ Plaster or drywall

68. Condition: • [Nail pops](#)

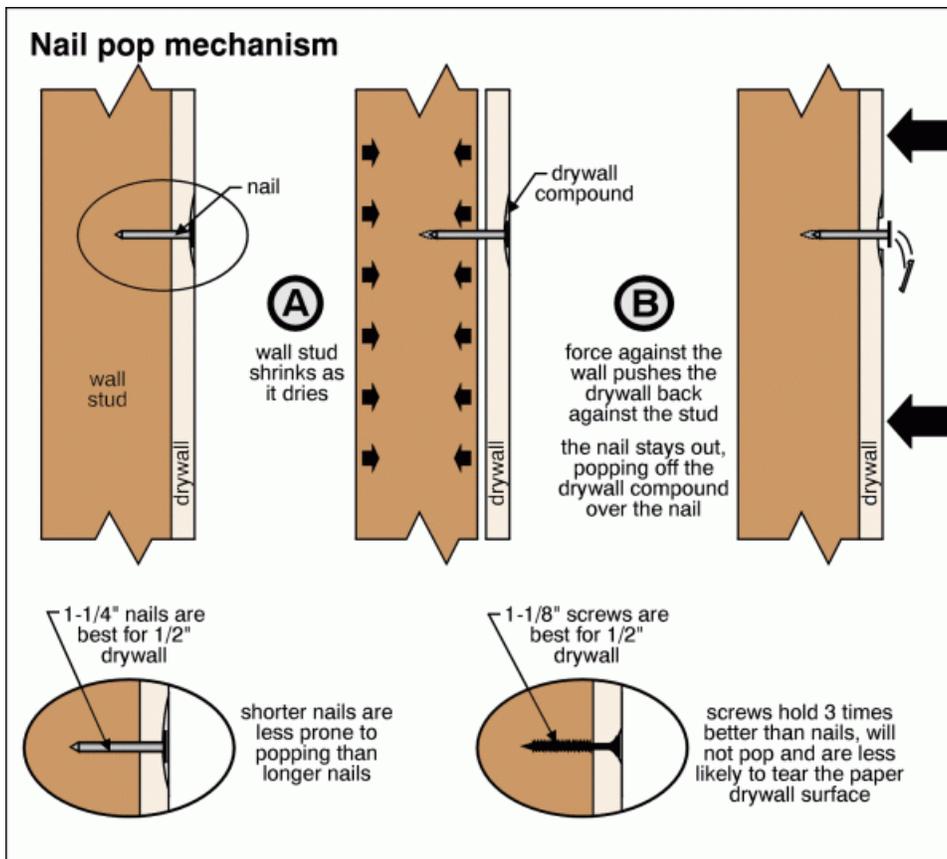
Stains may indicate a past leak.

Implication(s): Cosmetic defects

Location: Various - Second Floor

Task: Repair - Monitor

Time: Discretionary



INTERIOR

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



62. Nail pops



63. Nail pops



64. Nail pops

WINDOWS \ Hardware

69. Condition: • [Inoperable](#)

Window lock did not latch.

Implication(s): System inoperative or difficult to operate

Location: Staircase

Task: Repair

Time: Discretionary

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



65. Inoperable

WINDOWS \ Interior trim

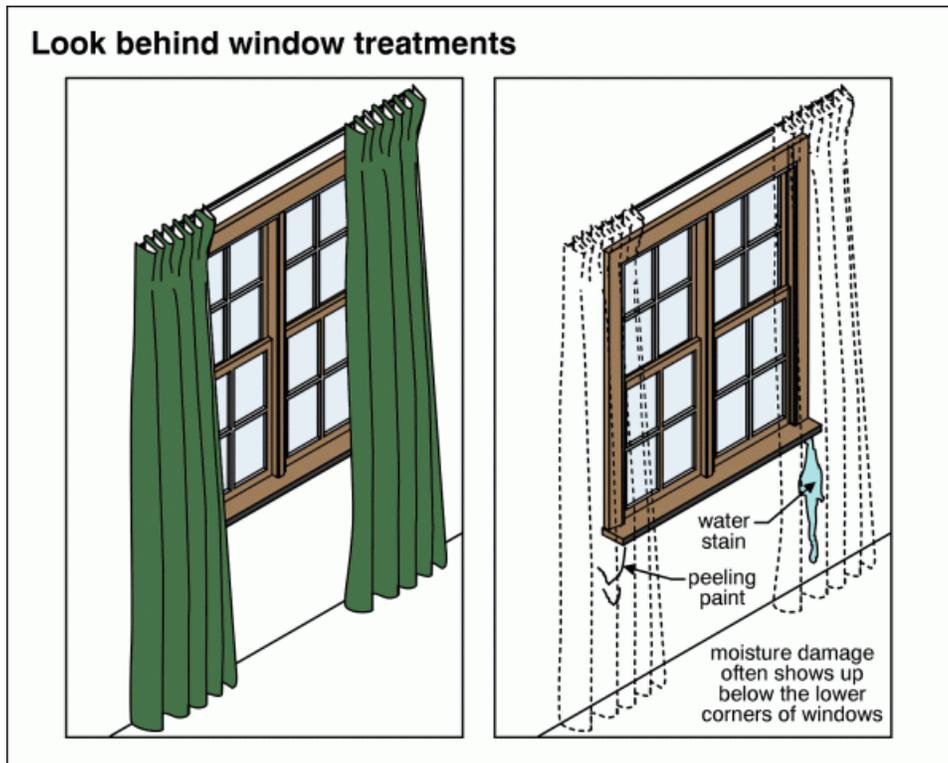
70. Condition: • [Stained](#)

Typical water stains at corners of trim and sashes. Refinish or apply clear polyurethane to protect wood in affected areas. Likely from condensation but windows should be monitored for leaks.

Implication(s): Cosmetic defects

Location: Various

Task: Monitor



INTERIOR

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE



66. Stained



67. Stained

DOORS \ Hardware

71. Condition: • [Missing](#)

Missing door stops may result in damaged walls from door knob impact.

Implication(s): System inoperative or difficult to operate

Location: Laundry Area

Task: Provide

Time: Less than 1 year



68. Missing

72. Condition: • [Loose](#)

Implication(s): Equipment failure

Location: Master Bathroom

Task: Repair

Time: Discretionary

INTERIOR

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



69. Loose

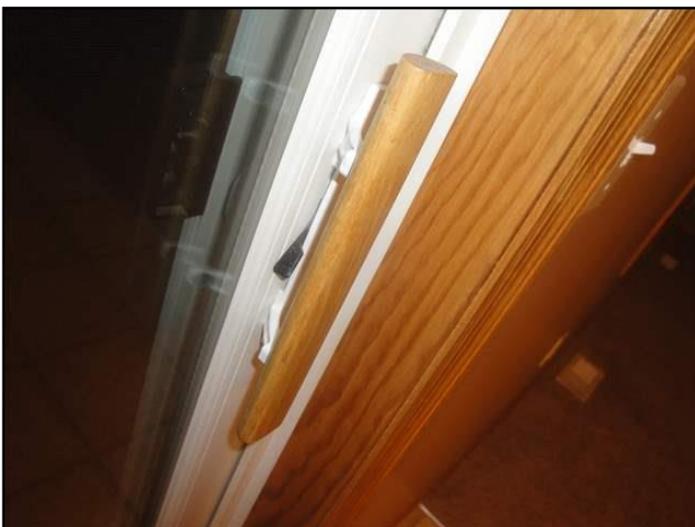
73. Condition: • Lock not effective on exterior door

Implication(s): Poor security

Location: First Floor & Second Floor Patio Doors

Task: Repair

Time: Less than 1 year



70. Lock not effective on exterior door



71. Lock not effective on exterior door

CARPENTRY \ Countertops

74. Condition: • Damaged or missing sealant

Location: Various

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							

Task: Repair
Time: Discretionary



72.

STAIRS \ Fire safety

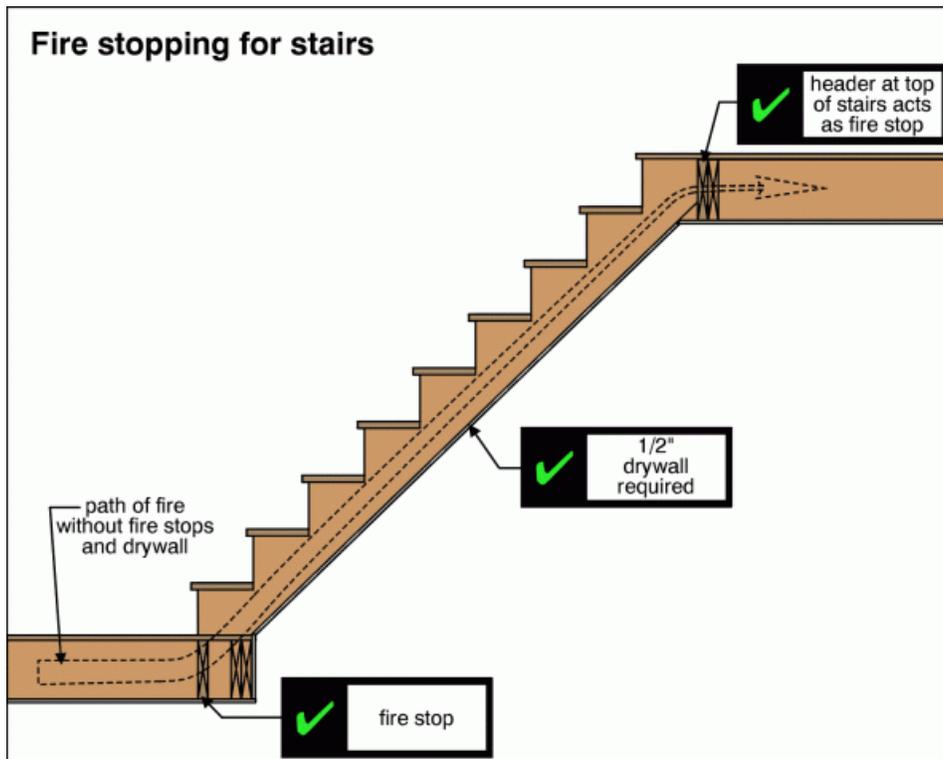
75. **Condition:** • [Drywall missing or incomplete on underside of stairs](#)

Implication(s): Increased fire hazard

Location: Basement

Task: Provide

Time: When remodelling



SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							



73. Drywall missing or incomplete on underside...

BASEMENT \ Wet basement - evidence

76. Condition: • [Stains](#)

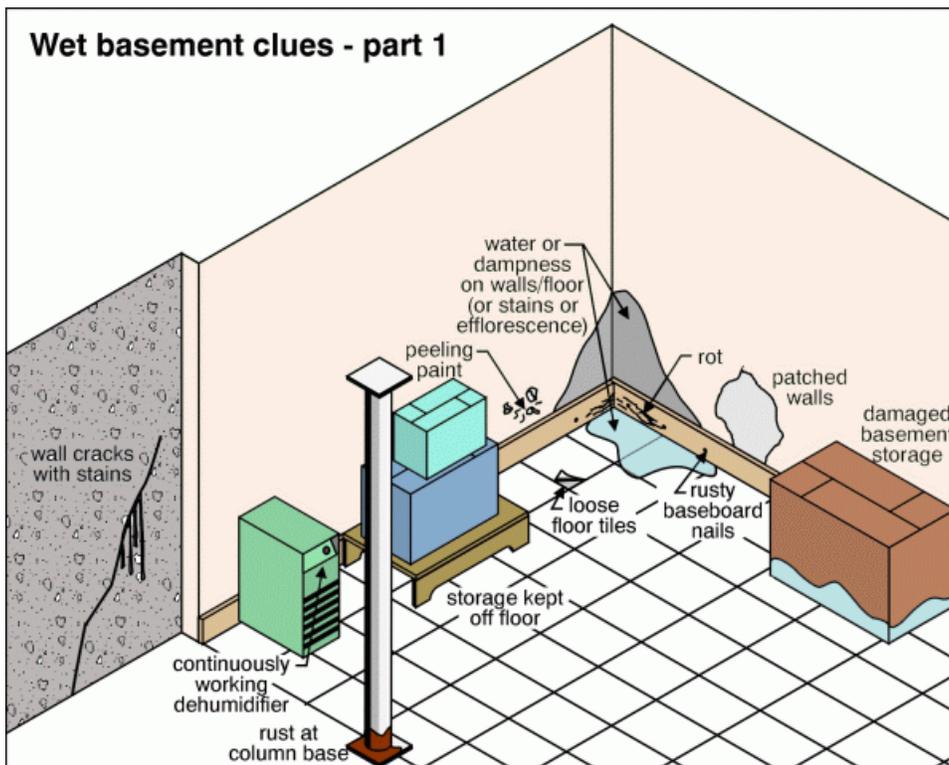
Evidence of water stains presents by the buyers. The walls were freshly painted at the time of the inspection. Confirm the discharge location of below grade downspout drains request frequency and severity of moisture problems.

Implication(s): Cosmetic defects | Chance of water damage to contents, finishes and/or structure

Location: Front Wall

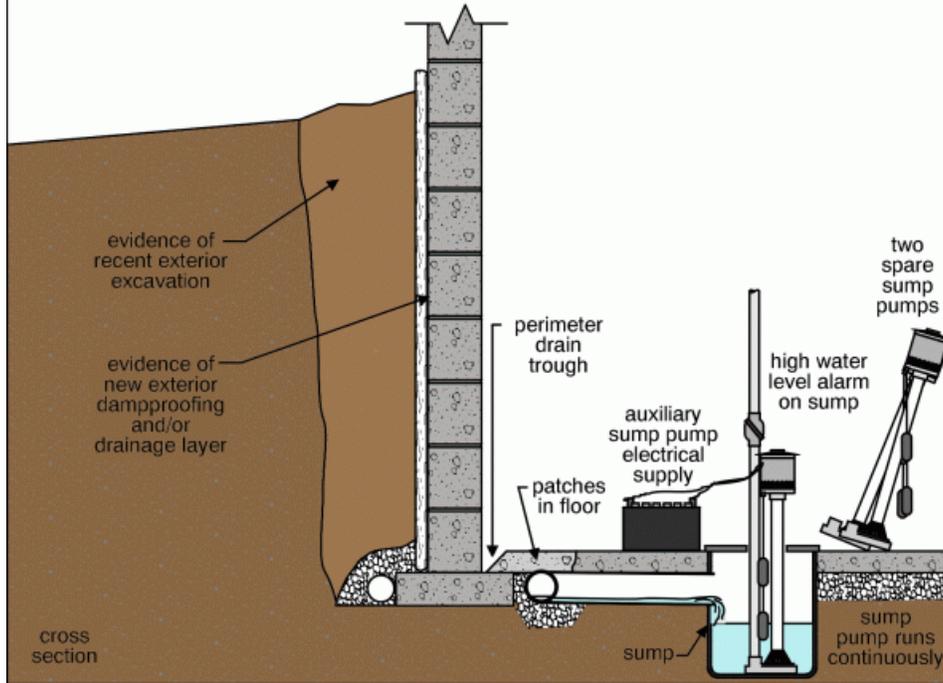
Task: Request disclosure

Time: Less than 1 year

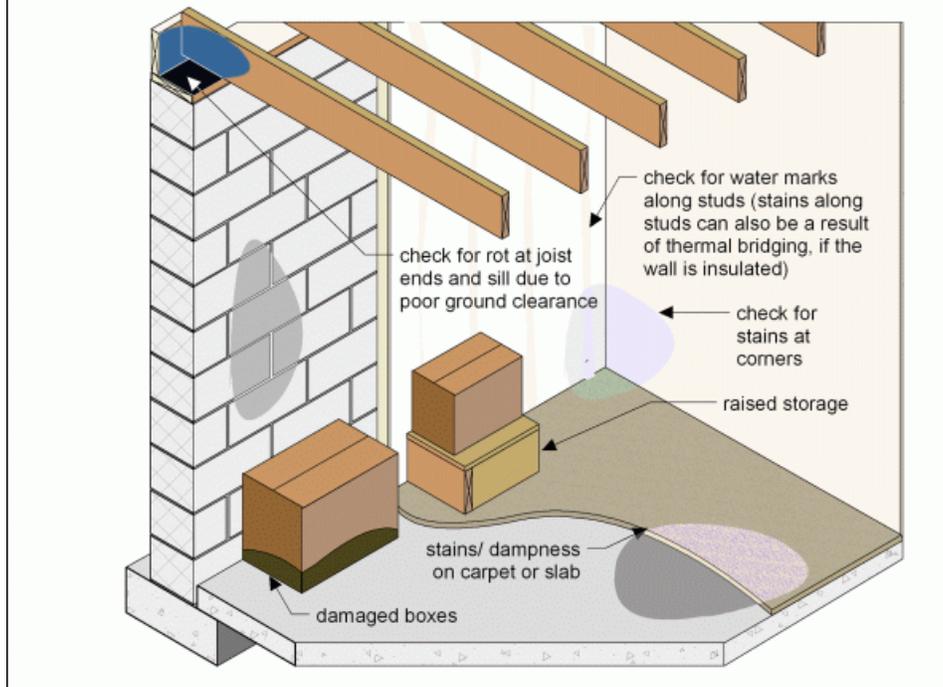


SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							

Wet basement clues - part 2



Basement leakage clues - rot, stains or water marks



APPLIANCES \ Range

77. Condition: • Anti-tip device missing

Implication(s): Physical injury

Location: Kitchen

Task: Below current standards

APPLIANCES \ Microwave oven

78. Condition: • Parts broken/missing

Cracked front door cover.

Implication(s): Reduced operability

Location: Kitchen

Task: Repair

Time: Discretionary



74. Parts broken/missing

APPLIANCES \ Waste disposal

79. Condition: • Noisy

Foreign object present in unit.

Implication(s): Noise nuisance

Location: Kitchen

Task: Clean

Time: Less than 1 year

APPLIANCES \ Dryer

80. Condition: • Dryer vent obstructed

Implication(s): Equipment ineffective | Fire hazard

Location: Exterior Wall

Task: Repair

Time: Less than 1 year



75. Dryer vent obstructed

81. Condition: • Plastic dryer vent

This vent is not approved for gas dryers. Electric dryer is currently in service, however a gas line is present. Replace the vent if a gas dry is ever placed in service.

Implication(s): Equipment ineffective | Fire hazard

Task: Comment - no recommendations

RADON

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY

ROOFING

EXTERIOR

STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

RADON

APPENDIX

REFERENCE

Description

General: • Report attached to appendix

END OF REPORT

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							

RADON GAS MEASUREMENT REPORT

Location: 308 Verbena Drive – Watertown, MN
Date: November 25, 2015
Tech: John Mika

This is the report of a radon gas screening measurement. The measurement was performed using a continuous radon monitor (CRM), and was performed in conformance with test protocols established by the US Environmental Protection Agency in the document entitled “Protocols for Radon and Radon Decay Product Measurements in Homes.”

The report on page 2 and 3 is copy of the actual report that was obtained from the CRM upon completion of the measurement period.

The measurement period was 51 hours 50 minutes.

Test Start Date & Time: November 23, 2015 – 2:45 PM
 Test End Date & Time: November 25, 2015 – 6:35 PM

During the measurement period radon gas measurements were recorded once every hour.

The overall average: 3.4 PCi/L
The EPA protocol average: 3.4 PCi/L

The serial number of the CRM deployed for this measurement is: 35942177. Calibrated by Gemmill Laboratories on March 22th 2015.

Explanation of Report Data:

Tabular Data: This portion of the report provides a numerical listing of the radon gas measurements that were made throughout the measurement period and are displayed from left to right in rows. Example: first row displays hours 1,2 and 3. Second row displays hours 4,5 and 6.

Average: This portion of the report gives the average radon gas concentration measured during the entire measurement period. This average is computed in two ways. The “Overall Average” is the simple average of all of the values listed in Tabular Data. The “EPA Protocol Average” is the simple average of all of the values listed in **Tabular Data**, except those values recorded during the first four hours of the measurement period. The “EPA Protocol Average” is computed in a manner consistent with the protocols cited above.

Values: The EPA recommends action to reduced average radon levels of 4.0 PCi/L or above. The EPA recommends long term radon monitoring for average radon levels that range from 2.0 – 3.9 PCi/L. Long term test devices are available from: <http://www.accustarlabs.com/radon-testing-product-specifications/alpha-track.aspx>

Bar Graph: This section provides a graphic representation of all of the values that are listed in the **Tabular Data**.

Other Information: In the printout, the letter “p” or “T” may appear next to a given value. The “p” indicates that, during this measurement interval, the power was disconnected from the CRM. The “T” indicates that, during this measurement interval, the CRM was disturbed or moved.

π The radon gas measurement was completed and there is no evidence that the CRM was tampered with in any way. Therefore, the average values contained in this report reflect the radon gas concentration at the time of the test and should not be construed as either predictive or supportive of a similar measurement conducted at another time in the same structure.

APPENDIX

Sample Report, Watertown, MN November 23, 2015

Report No. 1493, v.3

www.mninspections.com

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							

Minnesota Inspections LLC

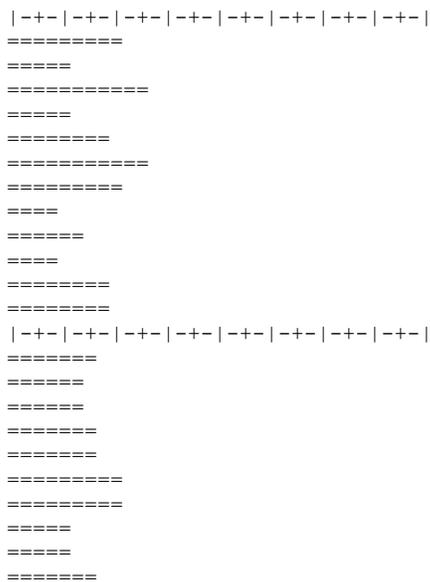
Professional
Radon Monitor

Signature:

Data in pCi/l
Time Interval 1 Hr

4.0	2.3	5.3
2.3	3.6	5.0
4.0	1.6	2.6
1.6	3.6	3.6
3.0	2.6	2.6
3.0	3.0	4.3
4.3	2.0	2.3
3.3	0.6	3.3
1.3	1.0	2.6
2.0	1.6	2.3
2.6	1.0	1.0
1.6	1.6	3.6
4.0	4.3	2.3
7.6	5.6	3.6
7.3	4.3	4.6
6.0	T 6.3	6.0
5.0	4.0	8.3

Overall Avg.= 3.4
EPA Protocol Avg.= 3.4
0 8 16



SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							

Radon in Real Estate Transactions



All Minnesota homes can have dangerous levels of **radon gas** in them. Radon is a colorless, odorless and tasteless **radioactive gas** that can seep into homes from the earth. When inhaled, its radioactive particles can damage the cells that line the lungs. Long-term exposure to radon can lead to **lung cancer**. About 21,000 lung cancer deaths each year in the United States are caused by radon, making it a serious health concern for all Minnesotans.

It **does not matter if the home is old or new** and the only way to know how much radon gas has entered the home is to conduct a radon test. MDH estimates **2 in 5 homes built before 2010** and **1 in 5 homes built since 2010** exceed the 4.0 pCi/L action level.



In Minnesota, buyers and sellers in a real estate transaction are free to negotiate radon testing and reduction. Ultimately, it is up to the buyer to decide an acceptable level of radon risk in the home. Prospective buyers should keep in mind that it is inexpensive and easy to measure radon, and radon levels can be lowered at a reasonable cost. The MDH Radon Program website provides more detailed information on radon, including the MDH brochure "Keeping Your Home Safe from Radon."

The Minnesota Radon Awareness Act does not require radon testing or mitigation. However, many relocation companies and lending institutions, as well as home buyers, require a radon test when purchasing a house. The purpose of this publication is to educate and inform potential home buyers of the risks of radon exposure, and how to test for and reduce radon as part of real estate transactions.



Disclosure Requirements

Effective January 1, 2014, the Minnesota Radon Awareness Act requires specific disclosure and education be provided to potential home buyers during residential real estate transactions in Minnesota. This publication is being provided by the seller in order to meet a requirement of the Act. In addition, **before signing a purchase agreement to sell or transfer residential real property**, the seller shall disclose in writing to the buyer any knowledge the seller has of radon concentrations in the dwelling.

The disclosure shall include:

1. whether a radon test or tests have occurred on the property;
2. the most current records and reports pertaining to radon concentrations within the dwelling;
3. a description of any radon concentrations, mitigation, or remediation;
4. information regarding the radon mitigation system, including system description and documentation, if such system has been installed in the dwelling; and
5. a radon warning statement

Radon Warning Statement

"The Minnesota Department of Health strongly recommends that ALL homebuyers have an indoor radon test performed prior to purchase or taking occupancy, and recommends having the radon levels mitigated if elevated radon concentrations are found. Elevated radon concentrations can easily be reduced by a qualified, certified, or licensed, if applicable, radon mitigator.

Every buyer of any interest in residential real property is notified that the property may present exposure to dangerous levels of indoor radon gas that may place the occupants at risk of developing radon-induced lung cancer. Radon, a Class A human carcinogen, is the leading cause of lung cancer in nonsmokers and the second leading cause overall. The seller of any interest in residential real property is required to provide the buyer with any information on radon test results of the dwelling."

Radon Facts

How dangerous is radon?

Radon is the **number one cause of lung cancer in non-smokers** and the second leading cause of lung cancer overall, next to tobacco smoking. Thankfully, much of this risk can be prevented through testing and taking action to reduce high levels of radon gas when and where they are found. Your risk for lung cancer increases with higher levels of radon gas, prolonged exposure and whether or not you are a smoker.

Where is your greatest exposure to radon?

Radon is present everywhere, and there is no known safe level. Your greatest exposure is where it can concentrate indoors and where you spend most of your time. For most Minnesotans, this is at home. Whether a home is old or new, well-sealed or drafty, with or without a basement, **any home can have high levels of radon.**



Where does Radon come from?

Radon comes from the soil. It is produced by the natural decay of uranium and radium commonly found in nearly all soils in Minnesota. As a gas, radon moves freely through the soil and eventually into the air you breathe. Our homes tend to draw soil gases, including radon, into the structure.

I have a new home, aren't radon levels reduced already?

Homes built in Minnesota since June 2009 are required to contain construction features that may limit radon entry. These features are known as passive Radon Resistant New Construction (RRNC). While these passive RRNC features may lower the amount of radon in newer homes, it does not guarantee low levels. It is recommended all new homes be tested for radon, and if elevated levels are found, these passive RRNC features can be easily and inexpensively activated with the addition of a radon fan in the attic. If you are buying a new home, ask if the home has any RRNC features and if the home has been tested.

What is the recommended action based on my results?

If the average radon in the home is at or **above 4.0 pCi/L, the house should be fixed**. Consider fixing the home if radon levels are between 2 pCi/L and 3.9 pCi/L. While it isn't possible to reduce radon to zero, the best approach is to reduce the radon levels to as low as reasonably achievable. Any amount of radon, even below the recommended action level, carries some risk.

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							

How are radon tests conducted in real estate transactions?

Because of the unique nature of real estate transactions, involving multiple parties and financial interests, there are special protocols for radon testing.



Continuous Radon Monitor (CRM)

Fastest

Test is completed by a certified contractor with a calibrated CRM for a minimum of 48 hours.

Test report is analyzed to ensure that it is a valid test.



Simultaneous Short-term Testing

Second fastest

Two short-term test kits are used at the same time, placed 6-12 inches apart, for a minimum of 48 hours.

Test kits are sent to the lab for analysis.

The two test results are averaged to get the radon level.



Sequential Short-Term Testing

Slowest

One short-term test is performed for a minimum of 48 hours.

Test kit is sent to lab for analysis.

Another short-term kit is used in the same place as the first, started right after the first test is taken down. Test is performed for a minimum of 48 hours.

Test kit is sent to the lab for analysis.

The two test results are averaged to get the radon level.

Radon Testing

House conditions when testing

Be aware that any test lasting less than three months requires closed-house conditions.

Closed-house Conditions: Mean keeping all windows and doors closed, except for normal entry and exit.

Before Testing: Begin closed-house conditions at least 12 hours before the start of the radon test.

During Testing: Maintain closed-house conditions during the entire duration of the short term test. Operate home heating or cooling systems normally during the test.

Where the test should be conducted

Any radon test conducted for a real estate transaction needs to be placed in the lowest livable area of the home suitable for occupancy. In Minnesota, this is typically in the basement, whether it is finished or unfinished.

The test kit should be placed:

- two to six feet above the floor
- at least three feet from exterior walls
- four inches away from other objects
- in a location where it won't be disturbed
- not in enclosed areas
- not in areas of high heat or humidity

If the house has multiple foundation types, it is recommended that each of these be tested. For instance, if the house has one or more of the following foundation types--basement, crawl space, slab-on-grade--a test should be performed in the basement and in at least one room over the crawlspace and one room with a slab-on-grade area.

Who should conduct radon testing in real estate transactions?

All radon tests should be conducted in accordance with national radon measurement protocols, by a certified and MDH-listed professional. This ensures the test was conducted properly, in the correct location, and under appropriate building conditions. A list of these radon measurement professionals can be found at MDH's Radon web site. A seller may have previously conducted testing in a property. If the test result is at or above the action level, the home should be mitigated.

Radon Mitigation

Lowering radon in existing homes – Radon Mitigation

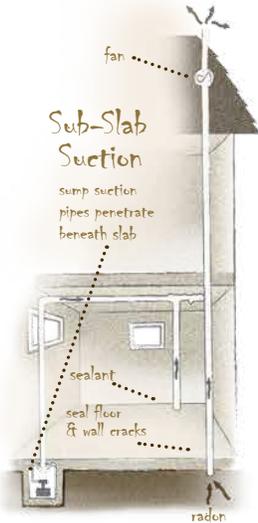
When elevated levels of radon are found, they should be mitigated. Elevated radon concentrations can be easily reduced by a nationally certified and MDH-listed radon mitigation professional. A list of these radon mitigation professionals can be found at MDH's Radon web site.

Radon mitigation is the process or system used to reduce radon concentrations in the breathing zones of occupied buildings. The goal of a radon mitigation system is to reduce the indoor radon levels to below the EPA action level of 4.0 pCi/L. A quality radon reduction (mitigation) system is often able to reduce the annual average radon level to below 2.0 pCi/L.

Active sub-slab suction (also called sub-slab depressurization, or SSD) is the most common and usually the most reliable type of system because it draws radon-filled air from beneath the house and vents it outside. There are standards of practice that need to be followed for the installation of these systems. More information on radon mitigation can be found at the MDH Radon website.

After a radon reduction system is installed

Perform an independent short-term test to ensure that the reduction system is effective. Make sure the radon system is operating during the entire test. Once a confirmatory radon test shows low levels of radon in the home, be sure to retest the house every two years to confirm continued radon reduction.



Contact the MDH Radon Program if you are uncertain about anything regarding radon testing or mitigation.

- The MDH Radon Program can provide:
- Information about radon health effects, radon testing and radon mitigation;
 - Names of trained, certified and MDH-listed radon professionals;

MDH Radon Program
 625 Robert St N
 P.O. Box 64975
 St. Paul, MN 55164-0975
 (651) 201-4601
 1(800) 798-9050



Email: health.indoorair@state.mn.us
 Web: www.health.state.mn.us/radon

10/2013 IC# 141-3722

SUMMARY	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
RADON	APPENDIX	REFERENCE							

The links below connect you to a series of documents that will help you understand your home and how it works. These are in addition to links attached to specific items in the report.

Click on any link to read about that system.

» 01. ROOFING, FLASHINGS AND CHIMNEYS

» 02. EXTERIOR

» 03. STRUCTURE

» 04. ELECTRICAL

» 05. HEATING

» 06. COOLING/HEAT PUMPS

» 07. INSULATION

» 08. PLUMBING

» 09. INTERIOR

» 10. APPLIANCES

» 11. LIFE CYCLES AND COSTS

» 12. SUPPLEMENTARY

Asbestos

Radon

Urea Formaldehyde Foam Insulation (UFFI)

Lead

Carbon Monoxide

Mold

Household Pests

Termites and Carpenter Ants

» 13. HOME SET-UP AND MAINTENANCE

» 14. MORE ABOUT HOME INSPECTIONS

