# Inspection Report

Take a closer look and you will see why we are good lookers.

## FOR THE PROPERTY AT:

2343 Remington Rd Elizabeth , CO 80107

## PREPARED FOR:

ROBERT KNEPSHIELD

## **INSPECTION DATE:**

Thursday, January 31, 2013

## PREPARED BY:

Rob Knepshield







RBS&K Home & Building Inspectors Inc. 2343 Remington Rd Elizabeth, CO 80107

303-646-1131 303-918-2466

Fax: 303-646-0283

www.rbskinspections.com Rob@RBSKInspections.com



March 16, 2013

Dear Robert Knepshield,

RE: Report No. 1689, v.3 2343 Remington Rd Elizabeth , CO 80107

Thanks very much for choosing us to perform your home 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 home inspection.

Clients sometimes assume that a home 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 home 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 house, recording the conditions on a given date and time. Home 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, thanks very much for choosing us to perform your home inspection.

Sincerely,

Rob Knepshield on behalf of RBS&K Home & Building Inspectors Inc.

> RBS&K Home & Building Inspectors Inc. 2343 Remington Rd Elizabeth, CO 80107 303-646-1131 303-918-2466 Fax: 303-646-0283



# **INVOICE**

March 16, 2013

Client: Robert Knepshield

Report No. 1689, v.3 For inspection at: 2343 Remington Rd Elizabeth , CO 80107

on: Thursday, January 31, 2013

Home inspection \$300.00

Radon test \$160.00

Home inspection \$300.00

Total \$760.00

PAID IN FULL - THANK YOU!

2343 Remington Rd Elizabeth, CO 80107 303-646-1131 303-918-2466 Fax: 303-646-0283

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## **SUMMARY**

2343 Remington Rd, Elizabeth, CO January 31, 2013

Report No. 1689, v.3 www.rbskinspections.com

SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

SITE INFO APPLIANCES RADON KITCHEN BATHROOM APPENDIX

This Summary outlines potentially significant issues from a cost or safety standpoint. This section is provided as a courtesy and cannot be considered a substitute for reading the entire report. Please read the complete document.

**Priority Maintenance Items** 

# Roofing

## **SLOPED ROOFING \ Composition shingles**

Condition: • Exposure too great

Shingles have been installed incorrectly. To much exposure.

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

**Location**: West Exterior Roof **Task**: Further evaluation Repair

## Structure

## **ROOF FRAMING \ Sheathing**

Condition: • Water stains

Moisture/Water stains in attic from disconnected furnace flue. Possible mold.

Implication(s): Material deterioration

Location: Attic

Task: Further evaluation Repair

# Heating

## **GAS FURNACE \ Venting system**

Condition: • Poor connections

Flue pipe is disconnected in the attic.

Implication(s): Equipment not operating properly | Hazardous combustion products entering home

Location: Attic Task: Repair

## Insulation and Ventilation

## ATTIC/ROOF \ Insulation

**Condition:** • <u>Gaps or voids</u> Insulation is missing in the attic.

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

Location: Attic Task: Replace

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2343 Remington Rd, Elizabeth, CO January 31, 2013

SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

SITE INFO APPLIANCES RADON KITCHEN BATHROOM APPENDIX

# **Plumbing**

## FIXTURES AND FAUCETS \ Basin, sink and laundry tub

**Condition:** • Slow drains

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

Location: First Floor Master Bathroom

Task: Repair

#### **FIXTURES AND FAUCETS \ Toilet**

Condition: • Toilet is loose, recommend a new wax ring be installed by a professional.

Location: First Floor Master Bathroom

Task: Repair

## FIXTURES AND FAUCETS \ Whirlpool bath

Condition: • Diverter inoperative Implication(s): Equipment failure Location: First Floor Master Bathroom

Task: Repair

## FIXTURES AND FAUCETS \ Hose bibb

Condition: • Leak or drip

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

Location: North Exterior

Task: Repair

## Interior

## WINDOWS \ Glass (glazing)

Condition: • Lost seal on double or triple glazing

Implication(s): Cosmetic defects
Location: East First Floor Bedroom

Task: Repair

## WINDOWS \ Means of egress

Condition: • Too small

Implication(s): Restricted emergency exits Location: West Basement Bedroom

\_ - - -

Task: Repair

#### **DOORS \ Glass (glazing)**

Condition: • Cracked

Implication(s): Cosmetic defects

Location: West First Floor Family Room

Task: Repair

Report No. 1689, v.3 www.rbskinspections.com

2343 Remington Rd , Elizabeth , CO January 31, 2013

SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

SITE INFO APPLIANCES RADON KITCHEN BATHROOM APPENDIX

## Radon

## **RADON LEVEL \ Recommendation**

**Condition:** • General Item

Have radon level lowered to below 2.0 pCi/l

Location: Basement

Task: Repair

This concludes the Summary section.

The remainder of the report describes each of the home's 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 home inspection. These may have to be adjusted based on the findings of specialists.

Home Improvement - ballpark costs

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2343 Remington Rd , Elizabeth , CO January 31, 2013

SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

SITE INFO APPLIANCES RADON KITCHEN BATHROOM APPENDIX

# Description

Sloped roofing material: • Composition shingles

# Limitations

Inspection performed: • By walking on roof

# Recommendations

## **SLOPED ROOFING \ Composition shingles**

1. Condition: • Exposure too great

Shingles have been installed incorrectly. To much exposure.

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

**Location**: West Exterior Roof **Task**: Further evaluation Repair



1. Exposure too great

**EXTERIOR** 

Report No. 1689, v.3 www.rbskinspections.com 2343 Remington Rd , Elizabeth , CO January 31, 2013

SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL SITE INFO APPLIANCES APPENDIX

# Description

Gutter & downspout material: • Aluminum

Gutter & downspout discharge: • Below grade • Above grade

Lot slope: • Away from house

Wall surfaces: • Wood

Soffit and fascia: • Wood

**Driveway:** • Gravel

Walkway: • Concrete

Deck:

Ground level

East

Wood

East

Porch:

• Wood

West

Fence: • Wood

SUMMARY ROOFING STRUCTURE PLUMBING SITE INFO APPLIANCES APPENDIX

January 31, 2013

# Description

**Configuration:** • Basement

Foundation material: • Poured concrete

2343 Remington Rd, Elizabeth, CO

Floor construction: • Joists

Exterior wall construction: • Wood frame

Roof and ceiling framing: • Trusses

# Limitations

Attic/roof space: • Inspected from access hatch

Not included as part of a building inspection: • Visible mold evaluation is not included in the home inspection report

## Recommendations

## **ROOF FRAMING \ Sheathing**

2. Condition: • Water stains

Moisture/Water stains in attic from disconnected furnace flue. Possible mold.

Implication(s): Material deterioration

Location: Attic

Task: Further evaluation Repair



2. Water stains



3. Water stains

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2343 Remington Rd , Elizabeth , CO January 31, 2013

SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

SITE INFO APPLIANCES RADON KITCHEN BATHROOM APPENDIX

## Description

Service entrance cable and location: • Underground - not visible

Service size: • 125 Amps (240 Volts)

Main disconnect/service box rating: • 125 Amps

Main disconnect/service box type and location: • Breakers -exterior wall

System grounding material and type: • Copper - ground rods

Distribution panel type and location: • Breakers - exterior wall

Distribution wire material and type: • Copper - non-metallic sheathed

Circuit interrupters: Ground Fault (GFCI) & Arc Fault (AFCI): • GFCIs were operational in all applicable locations

Circuit interrupters: Ground Fault (GFCI) & Arc Fault (AFCI): • GFCI - bathroom • GFCI - outside • GFCI - basement

• GFCI - kitchen • AFCI - panel

Smoke detectors: • Present

Carbon monoxide (CO) detectors: • Present

## Limitations

System ground: • Quality of ground not determined

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

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2343 Remington Rd, Elizabeth, CO January 31, 2013 STRUCTURE INSULATION PLUMBING SUMMARY ROOFING HEATING SITE INFO APPLIANCES APPENDIX

## Description

System type: • Furnace

Furnace manufacturer: • Carrier

**Heat distribution:** • Ducts and registers

Approximate capacity: • 100,000 BTU/hr

Approximate age: • 2 years

Main fuel shut off at: • Meter

Exhaust pipe (vent connector): • PVC plastic

Fireplace: • Wood-burning fireplace

Chimney/vent: • Metal

Combustion air source: • Outside - sealed combustion

## Limitations

Heat exchanger: • Only a small portion visible

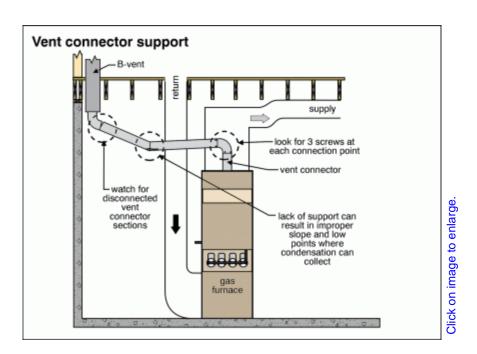
## Recommendations

#### **GAS FURNACE \ Venting system**

3. Condition: • Poor connections Flue pipe is disconnected in the attic.

Implication(s): Equipment not operating properly | Hazardous combustion products entering home

**Location**: Attic Task: Repair



# **COOLING & HEAT PUMP**

Report No. 1689, v.3

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2343 Remington Rd , Elizabeth , CO January 31, 2013 EXTERIOR STRUCTURE SUMMARY COOLING SITE INFO APPLIANCES APPENDIX

# Description

Air conditioning type: • Air cooled

Compressor type: • Electric

## INSULATION AND VENTILATION

Report No. 1689, v.3

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2343 Remington Rd , Elizabeth , CO January 31, 2013 SUMMARY ROOFING EXTERIOR STRUCTURE INSULATION SITE INFO APPLIANCES APPENDIX

# Description

Attic/roof insulation material: • Missing

Attic/roof ventilation: • Roof and soffit vents

# Limitations

Attic inspection performed: • From access hatch

## Recommendations

## ATTIC/ROOF \ Insulation

4. Condition: • Gaps or voids Insulation is missing in the attic.

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

Location: Attic Task: Replace



4. Gaps or voids



5. Gaps or voids

## **PLUMBING**

Report No. 1689, v.3 www.rbskinspections.com

2343 Remington Rd , Elizabeth , CO January 31, 2013

SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

SITE INFO APPLIANCES RADON KITCHEN BATHROOM APPENDIX

## Description

Service piping into building: • Copper

**Supply piping in building:** • Hose bibb is frost free with blackflow prevention

Main water shut off valve at the: • Basement

Water flow (pressure): • Water pressure is between 50-55 psi

Water heater fuel/energy source: • Gas

Water heater type: • Conventional

Tank capacity: • 50 gallons

Water heater approximate age: • 17 years

Waste piping in building: • ABS plastic

Floor drain location: • Near heating system

Gas piping: • Gas line is black pipe

## Limitations

**Items excluded from a home inspection:** • Septic system • Isolating/relief valves & main shut-off valve • Concealed plumbing • Tub/sink overflows • Water heater relief valves are not tested

## Recommendations

#### FIXTURES AND FAUCETS \ Basin, sink and laundry tub

5. Condition: • Slow drains

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

Location: First Floor Master Bathroom

Task: Repair

## **FIXTURES AND FAUCETS \ Toilet**

**6. Condition:** • Toilet is loose, recommend a new wax ring be installed by a professional.

Location: First Floor Master Bathroom

Task: Repair

#### FIXTURES AND FAUCETS \ Whirlpool bath

7. Condition: • <u>Diverter inoperative</u>
Implication(s): Equipment failure
Location: First Floor Master Bathroom

Task: Repair

# **PLUMBING**

Report No. 1689, v.3 www.rbskinspections.com

2343 Remington Rd , Elizabeth , CO January 31, 2013

SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

SITE INFO APPLIANCES RADON KITCHEN BATHROOM APPENDIX

## FIXTURES AND FAUCETS \ Hose bibb

8. Condition: • Leak or drip

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

Location: North Exterior

Task: Repair

## **INTERIOR**

2343 Remington Rd, Elizabeth, CO January 31, 2013

Report No. 1689, v.3 www.rbskinspections.com

SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

SITE INFO APPLIANCES RADON KITCHEN BATHROOM APPENDIX

## **Description**

Major floor finishes: • <u>Carpet</u> • Tile

Major wall finishes: • <u>Gypsum board</u>

Major ceiling finishes: • Ceiling fan/s were operational at the time of the inspection.

Major ceiling finishes: • Stucco/texture/stipple • Gypsum board

Windows: • Single/double hung • Sliders • Aluminum

Glazing: • Double

Exterior doors - type/material: • Tempered glass

Exterior doors - type/material: • Hinged • Sliding glass

**Doors:** • The door from the house to the garage is fire rated and the self closure is operational.

Doors: • Inspected

Appliances: • Door bell

Laundry facilities: • Vented to outside • 120-Volt outlet • 240-Volt outlet • Waste standpipe

Inventory Garage Door Opener: • Sears

## Limitations

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

Not included as part of a building inspection: • Security systems and intercoms • Cosmetic issues

Cosmetics: • No comment offered on cosmetic finishes

Appliances: • Self-cleaning features on ovens not tested • Effectiveness of dishwasher drying cycle not tested

## Recommendations

#### WINDOWS \ Glass (glazing)

9. Condition: • Lost seal on double or triple glazing

Implication(s): Cosmetic defects
Location: East First Floor Bedroom

Task: Repair

## **WINDOWS \ Storms and screens**

10. Condition: • Missing

Implication(s): Chance of pests entering house | Increased heating costs | Reduced comfort

**Location**: East First Floor Kitchen

Task: Replace

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2343 Remington Rd , Elizabeth , CO January 31, 2013

SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

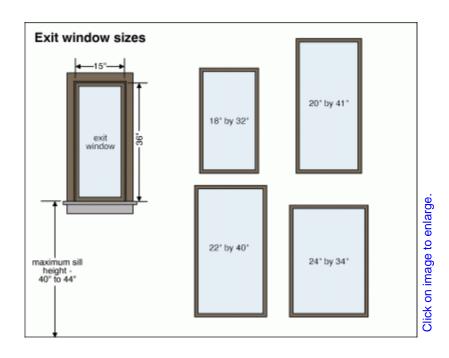
SITE INFO APPLIANCES RADON KITCHEN BATHROOM APPENDIX

## WINDOWS \ Means of egress

11. Condition: • Too small

Implication(s): Restricted emergency exits Location: West Basement Bedroom

Task: Repair



## **DOORS \ Glass (glazing)**

12. Condition: • Cracked

Implication(s): Cosmetic defects

Location: West First Floor Family Room

Task: Repair

SITE INFO

2343 Remington Rd , Elizabeth , CO January 31, 2013

Report No. 1689, v.3 www.rbskinspections.com

SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

SITE INFO APPLIANCES RADON KITCHEN BATHROOM APPENDIX

## Description

Weather: • Sunny

Approximate temperature: • 70°

Attendees: • Buyer • Buyer's representative

Occupancy: • The home was occupied at the time of the inspection. • The home was furnished during the inspection.

**Utilities:** • All utilities were on during the inspection.

**Approximate inspection Start time:** • The inspection started at 8:00 a.m.

**Approximate inspection End time:** • The inspection ended at 11:30 a.m.

Approximate age of home: • 17 years

Approximate size of home: • 2000 ft.<sup>2</sup>

Building type: • Detached home

Number of dwelling units: • Single-family

Garage, carport and outbuildings: • Attached garage

Area: • Rural

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

SITE INFO APPLIANCES RADON KITCHEN BATHROOM APPENDIX

## Description

Range: • Gas • Electronic ignition

Exhaust fan/range hood: • Recirculating type

Oven: • Conventional

Dishwasher: • Under-counter

Microwave oven: • Over-the-range

**Doorbell:** • Wired type

Kitchen counter material: • Laminate

## Limitations

**General:** • Self-cleaning features of oven not tested. • Effectiveness of dishwasher drying cycle not tested.

RADON

Report No. 1689, v.3 www.rbskinspections.com

2343 Remington Rd , Elizabeth , CO January 31, 2013 SUMMARY ROOFING STRUCTURE SITE INFO APPLIANCES RADON APPENDIX

# Description

Monitor Placement: • Basement

Type: • CRM (Continuous Radon Monitoring)

Result:

• Your average test result is:

9.9 pCi/l

# Recommendations

## **RADON LEVEL \ Recommendation**

13. Condition: • General Item

Have radon level lowered to below 2.0 pCi/l

Location: Basement

Task: Repair

KITCHEN

Report No. 1689, v.3 www.rbskinspections.com

2343 Remington Rd , Elizabeth , CO January 31, 2013 SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL APPLIANCES RADON APPENDIX

## Description

Counter Type: • Granite

Range/ Cooktop: • Electric Ignition • Gas

Number of Ovens: • 1

Hood/ Fan: • Appears Functional

**Garbage Disposal:** • Appears Functional

**Plumbing:** • Appears Functional Dishwasher: • High loop method

## Limitations

**Plumbing:** • View of sink(s) restricted by dishes

**BATHROOM** 

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2343 Remington Rd, Elizabeth, CO January 31, 2013

SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

SITE INFO APPLIANCES RADON KITCHEN BATHROOM APPENDIX

## Description

Floors: • Master floor tile • First floor tile

**Electrical:** • Outlet in master bath is protected by a GFCI at another location. • GFCI 1st floor is protected at another

location

Counter: • Master counter tile • First floor counter tile

Cabinet: • Master wood • First floor wood

Sink/Basin: • Master metal • First floor metal

Tub: • Master bath tub is steel • 1st floor tub is steel

#### Shower:

tub/shower combo

Master bath

pre-fabricated

1st Floor bath

## **Tub surround:**

• tile

1st Floor bath

tile

Master bath

#### Toilet:

• low flush

Master bath

· low flush

1st Floor bath

### **Heat source:**

register

Master bath

• register

1st Floor bath

#### Ventilation:

fan

Master bath

• fan

1st Floor bath

• window

Master bath

#### **END OF REPORT**

2343 Remington Rd, Elizabeth, CO January 31, 2013

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

SITE INFO APPLIANCES RADON KITCHEN BATHROOM APPENDIX







#### Environmental Screening Measurement Report

Date 1/3//12	Account #
Client ROB KNEPSKIELD	FOR KNEPSKEELD SS 2343 REMPRIFIED RD
Test Address 2343 Rampul-TON	RD
FAX results to	
Monitor Location in the House: ∠Lower Level □Ma	in Level □Other

# RADON RESULTS AVERAGE LEVEL DURING THE TEST:

Radon Results 9,9 pCi/l

Attached to and made a part of this report is a copy of the actual test data taken from the testing device. This test was done with a femto-TECH CRM-510.

#### Purpose of this Environmental Screening Measurement Report

To provide a professional opinion of a structure's Radon levels during the test period limited to the conditions identified in this report. This test is a screening measurement to see if any level of Radon can be detected. Reported levels that are under the acceptable action guideline do not mean a problem does not exist or could not occur in the future. It is recommended to follow up Radon measurements every two years or whenever structure or ventilation changes are made to the building.

#### **EPA Explanation of Radon**

Radon is the second leading cause of lung cancer, after smoking. The U.S. EPA and the Surgeon General strongly recommend taking further action when the home's radon test results are 4.0 pCi/l (Pico Curies per liter of air) or greater. Radon levels less than 4.0 pCi/l still pose some risk to you and your family. Smokers and former smokers are at especially high risk. The EPA recommends that you use an EPA or State-approved contractor trained to fix radon problems. You can call your State radon office to obtain information, including a list of EPA or State-approved radon contractors who can fix or can help you develop a plan for fixing the radon problem.

#### **Limitations of Liability**

RBS&K cannot guarantee that necessary conditions were maintained during the test period. There can be uncertainty with any (RN-222) measurement due to statistical variations and other factors such as changes in the weather and operation of the dwelling. While our inspectors make every effort to maintain the highest possible qualities control and include checks and verification steps in our procedures, we make NO WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED, for the consequences of erroneous test results. RBS&K, its employees or agents, shall not be liable under any claim, charge or demand, whether in contract, tort, or otherwise, for any and all loss, cost, charge, claim, demand, fee, or expense of any nature or kind arising out of connected with, resulting from or sustained as a result of radon screening measurement tests.

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2343 Remington Rd , Elizabeth , CO January 31, 2013 www.rbskinspections.com

SUMMARY ROOFING BATHROOM **APPENDIX** < RADON TEST REPORT > I/D \_\_ START DATE 3/13/13 START TIME 9:27 OPERATOR SERIAL NO.-C/F (CPM/pCi/I) BKG (pCi/I) Conc. PCi/l / L RH B/P dea B % "Ha F Elapsed Time Total Count Avs. (pCi/l)

**APPENDIX** 

Report No. 1689, v.3 www.rbskinspections.com

2343 Remington Rd , Elizabeth , CO January 31, 2013 SUMMARY ROOFING APPLIANCES **APPENDIX** 

# The Standards of Practice and Code of Ethics of THE AMERICAN SOCIETY OF HOME INSPECTORS®



ASHI Standards of Practice

Effective October 15, 2006

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Report No. 1689, v.3 www.rbskinspections.com

2343 Remington Rd, Elizabeth, CO January 31, 2013 COOLING INSULATION SUMMARY ROOFING PLUMBING SITE INFO APPLIANCES RADON KITCHEN **BATHROOM APPENDIX** 

The Standards of Practice and Code of Ethics of the American Society of Home Inspectors

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The American Society of Home Inspectors, Inc.® 932 Lee Street. Suite 101 Des Plaines, IL 60016

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#### **HOME INSPECTION**

Home inspections were being performed in the mid 1950s, and by the early 1970s were considered by many consumers to be essential to the real estate transaction. The escalating demand was due to a growing desire by homebuyers to learn about the condition of a house prior to purchase. Meeting the expectations of consumers required a unique discipline, distinct from construction, engineering, architecture, or municipal building inspection. As such, home inspection requires its own set of professional guidelines and qualifications. The American Society of Home Inspectors (ASHI) formed in 1976 and established the ASHI Standards of Practice and Code of Ethics to help buyers and sellers make real estate transaction decisions based on accurate, objective information.

#### **American Society of Home Inspectors**

As the oldest, largest and highest profile organization of home inspectors in North America, ASHI takes pride in its position of leadership. Its Membership works to build public awareness of home inspection and to enhance the technical and ethical performance of home inspectors.

#### Standards of Practice

The ASHI Standards of Practice guide home inspectors in the performance of their inspections. Subject to regular review, the Standards of Practice reflect information gained through surveys of conditions in the field and of the consumers' interests and concerns. Vigilance has elevated ASHI's Standards of Practice so that today they are the most widely-accepted home inspection guidelines in use and are recognized by many government and professional groups as the definitive standard for professional performance.

#### Code of Ethics

ASHI's Code of Ethics stresses the home inspector's responsibility to report the results of the inspection in a strictly fair, impartial, and professional manner, avoiding conflicts of interest.

#### **ASHI Membership**

Selecting the right home inspector can be as important as finding the right home. ASHI Members have performed no fewer than 250 fee-paid inspections in accordance with the ASHI Standards of Practice. They have passed written examinations testing their knowledge of residential construction, defect recognition, inspection techniques, and report-writing, as well as ASHI's Standards of Practice and Code of Ethics. Membership in the American Society of Home Inspectors is well-earned and maintained only through meeting requirements for continuing education.

Find local ASHI Members by calling 1-800-743-2744 or visiting the ASHI Web site at www.ashi.org.

ASHI Standards of Practice

Effective October 15, 2006

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January 31, 2013

COOLING INSULATION SUMMARY ROOFING PLUMBING SITE INFO APPLIANCES RADON KITCHEN **APPENDIX** 

The Standards of Practice and Code of Ethics of the American Society of Home Inspectors

# ASHI STANDARDS OF PRACTICE

#### 1. INTRODUCTION

2343 Remington Rd, Elizabeth, CO

The American Society of Home Inspectors®, Inc. (ASHI®) is a not-for-profit professional society established in 1976. Membership in ASHI is voluntary and its members are private home inspectors. ASHI's objectives include promotion of excellence within the profession and continual improvement of its members' inspection services to the public.

#### 2. PURPOSE AND SCOPE

The purpose of the Standards of Practice is to establish a minimum and uniform standard for home inspectors who subscribe to these Standards of Practice. Home inspections performed to these Standards of Practice are intended to provide the client with objective information regarding the condition of the systems and components of the home as inspected at the time of the home inspection. Redundancy in the description of the requirements, limitations, and exclusions regarding the scope of the home inspection is provided for emphasis only.

#### 2.2 Inspectors shall:

- A. adhere to the Code of Ethics of the American Society of Home Inspectors.
- B. inspect readily accessible, visually observable, installed systems and components listed in these Standards of Practice.

- 1. those systems and components inspected that, in the professional judgment of the inspector, are not functioning properly, significantly deficient, unsafe, or are near the end of their service lives.
- 2. recommendations to correct, or monitor for future correction, the deficiencies reported in 2.2.C.1, or items needing further evaluation. (Per Exclusion 13.2.A.5 inspectors are NOT required to determine methods, materials, or costs of corrections.)
- 3. reasoning or explanation as to the nature of the deficiencies reported in 2.2.C.1, that are not self-evident.
- 4. systems and components designated for inspection in these Standards of Practice that were present at the time of the home inspection but were not inspected and the reason(s) they were not inspected.

#### 2.3 These Standards of Practice are not intended to limit inspectors from:

A. including other inspection services or systems and components in addition to those required in Section 2.2.B

B. designing or specifying repairs, provided the inspector is appropriately qualified and willing to

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C. excluding systems and components from the inspection if requested by the client.

#### STRUCTURAL COMPONENTS 3.

#### The inspector shall:

#### A. inspect:

- 1. structural components including the foundation and framing.
- 2. by probing a representative number of structural components where deterioration is suspected or where clear indications of possible deterioration exist. Probing is NOT required when probing would damage any finished surface or where no deterioration is visible or presumed to exist.

#### B. describe:

- 1. the methods used to inspect under-floor crawl spaces and attics.
- 2. the foundation.
- 3. the floor structure.
- 4. the wall structure.
- 5. the ceiling structure.
- 6. the roof structure.

#### 3.2 The inspector is NOT required to:

- A. provide any engineering or architectural services
- B. offer an opinion as to the adequacy of any structural system or component.

#### **EXTERIOR** 4.

#### The inspector shall: 4.1

#### A. inspect:

- 1. siding, flashing and trim.
- 2. all exterior doors.
- 3. attached or adjacent decks, balconies, stoops, steps, porches, and their associated
- 4. eaves, soffits, and fascias where accessible from the ground level.
- 5. vegetation, grading, surface drainage, and retaining walls that are likely to adversely affect the building
- 6. adjacent or entryway walkways, patios, and driveways.

#### B. describe:

1. siding.

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## **APPENDIX**

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

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#### EXTERIOR 4.2, Continued

#### 4.2 The inspector is NOT required to inspect:

- **A.** screening, shutters, awnings, and similar seasonal accessories.
- B. fences.
- C. geological and/or soil conditions.
- D. recreational facilities.
- E. outbuildings other than garages and carports.
- F. seawalls, break-walls, and docks.
- G. erosion control and earth stabilization measures.

#### 5. ROOFING

#### 5.1 The *inspector* shall:

- A. inspect:
  - 1. roofing materials.
  - 2. roof drainage systems.
  - 3. flashing.
  - 4. skylights, chimneys, and roof penetrations.
- B. describe:
  - 1. roofing materials.
  - 2. methods used to *inspect* the roofing.

#### 5.2 The inspector is NOT required to inspect:

- A. antennae.
- **B.** interiors of flues or chimneys that are not *readily accessible.*
- C. other installed accessories.

#### 6. PLUMBING

## 6.1 The inspector shall:

- A. inspect:
  - 1. interior water supply and distribution systems including all fixtures and faucets.
  - 2. drain, waste, and vent *systems* including all fixtures.
  - 3. water heating equipment and hot water supply *system*.
  - 4. vent systems, flues, and chimneys.
  - 5. fuel storage and fuel distribution systems.
  - 6. drainage sumps, sump pumps, and related piping.

#### B. describe:

- 1. water supply, drain, waste, and vent piping materials.
- water heating equipment including energy source(s).
- 3. location of main water and fuel shut-off valves.

#### 6.2 The inspector is NOT required to:

#### A. inspect:

- 1. clothes washing machine connections.
- 2. interiors of flues or chimneys that are not *readily accessible*.
- 3. wells, well pumps, or water storage related equipment.
- 4. water conditioning systems.
- 5. solar water heating systems.
- 6. fire and lawn sprinkler systems.
- 7. private waste disposal systems.

#### B. determine:

- 1. whether water supply and waste disposal *systems* are public or private.
- 2. water supply quantity or quality.
- **C.** operate *automatic safety controls* or manual stop valves.

#### 7. ELECTRICAL

#### 7.1 The inspector shall:

#### A. inspect:

- 1. service drop.
- 2. service entrance conductors, cables, and raceways.
- 3. service equipment and main disconnects.
- 4. service grounding.
- 5. interior *components* of service panels and sub panels.
- 6. conductors.
- 7. overcurrent protection devices.
- 8. a *representative number* of *installed* lighting fixtures, switches, and receptacles.
- 9. ground fault circuit interrupters.

## B. describe:

- 1. amperage and voltage rating of the service.
- 2. location of main disconnect(s) and sub panels.
- 3. presence of solid conductor aluminum branch circuit wiring.
- 4. presence or absence of smoke detectors.
- 5. wiring methods.

#### 7.2 The inspector is NOT required to:

- A. inspect:
  - 1. remote control devices.
  - 2. alarm systems and components.
  - 3. low voltage wiring systems and components.
  - 4. ancillary wiring systems and components. not a part of the primary electrical power distribution system.
- **B.** measure amperage, voltage, or impedance.

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#### Continued

#### 8. **HEATING**

#### The inspector shall: 8.1

- A. open readily openable access panels.
- B. inspect:
  - 1. installed heating equipment.
  - 2. vent systems, flues, and chimneys.
- C. describe:
  - 1. energy source(s).
  - 2. heating systems.

#### 8.2 The inspector is NOT required to:

- A. inspect:
  - 1. interiors of flues or chimneys that are not readily accessible.
  - 2. heat exchangers.
  - 3. humidifiers or dehumidifiers.
  - 4. electronic air filters.
  - 5. solar space heating systems.
- B. determine heat supply adequacy or distribution balance.

#### AIR CONDITIONING 9.

#### 9.1 The inspector shall:

- A. open readily openable access panels.
- B. inspect:
  - 1. central and through-wall equipment.
  - 2. distribution systems.
- C. describe:
  - 1. energy source(s).
  - 2. cooling systems.

#### 9.2 The inspector is NOT required to:

- A. inspect electronic air filters.
- B. determine cooling supply adequacy or distribution balance.
- C. inspect window air conditioning units.

### 10. INTERIORS

#### 10.1 The inspector shall inspect:

- A. walls, ceilings, and floors.
- B. steps, stairways, and railings.
- C. countertops and a representative number of installed cabinets.
- **D.** a representative number of doors and windows.
- E. garage doors and garage door operators.

#### 10.2 The inspector is NOT required to inspect:

- A. paint, wallpaper, and other finish treatments.
- B. carpeting.
- C. window treatments.
- D. central vacuum systems.
- E. household appliances.
- F. recreational facilities.

#### 11 **INSULATION & VENTILATION**

#### 11.1 The inspector shall:

- A. inspect:
  - 1. insulation and vapor retarders in unfinished
  - 2. ventilation of attics and foundation areas.
  - 3. mechanical ventilation systems.
- B. describe:
  - 1. insulation and vapor retarders in unfinished spaces.
  - 2. absence of insulation in unfinished spaces at conditioned surfaces.

#### 11.2 The inspector is NOT required to disturb insulation.

See 13.2.A.11 and 13.2.A.12.

#### 12. FIREPLACES AND SOLID FUEL BURNING APPLIANCES

#### 12.1 The inspector shall:

- A. inspect:
  - 1. system components.
    - 2. chimney and vents.
- B. describe:
  - 1. fireplaces and solid fuel burning appliances.
  - 2. chimneys.

#### 12.2 The inspector is NOT required to:

- A. inspect:
  - 1. interiors of flues or chimneys.
  - 2. firescreens and doors.
  - 3. seals and gaskets.
  - 4. automatic fuel feed devices.
  - 5. mantles and fireplace surrounds.
  - 6. combustion make-up air devices.
  - 7. heat distribution assists (gravity fed and fan assisted).
- B. ignite or extinguish fires.
- C. determine draft characteristics.
- D. move fireplace inserts and stoves or firebox contents

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Continued

#### 13. GENERAL LIMITATIONS AND EXCLUSIONS

#### 13.1 General limitations:

- **A.** The *inspector* is NOT required to perform any action or make any determination not specifically stated in these Standards of Practice.
- **B.** Inspections performed in accordance with these Standards of Practice:
  - 1. are not technically exhaustive.
  - are not required to identify concealed. conditions, latent defects, or consequential damage(s).
- **C.** These Standards of Practice are applicable to buildings with four or fewer dwelling units and their garages or carports.

#### 13.2 General exclusions:

#### A. Inspectors are NOT required to determine:

- 1. conditions of *systems* or *components* that are not *readily accessible*.
- 2. remaining life expectancy of any *system* or *component*.
- 3. strength, adequacy, effectiveness, or efficiency of any system or component.
- 4. the causes of any condition or deficiency.
- 5. methods, materials, or costs of corrections.
- 6. future conditions including but not limited to failure of *systems* and *components*.
- 7. the suitability of the property for any specialized use.
- 8. compliance with regulatory requirements (codes, regulations, laws, ordinances, etc.).
- market value of the property or its marketability.
- 10. the advisability of purchase of the property.
- the presence of potentially hazardous plants or animals including, but not limited to, wood destroying organisms or diseases harmful to humans including molds or mold-like substances.
- the presence of any environmental hazards including, but not limited to, toxins, carcinogens, noise, and contaminants in soil, water, and air.
- the effectiveness of any system installed or method utilized to control or remove suspected hazardous substances.
- 14. operating costs of systems or components.
- 15. acoustical properties of any *system* or *component*.
- 16. soil conditions relating to geotechnical or hydrologic specialties.

#### B. Inspectors are NOT required to offer:

- 1. or perform any act or service contrary to law.
- 2. or perform engineering services.
- 3. or perform any trade or any professional. service other than *home inspection*.
- 4. warranties or guarantees of any kind.

#### C. Inspectors are NOT required to operate:

- 1. any *system* or *component* that is *shut down* or otherwise inoperable.
- 2. any *system* or *component* that does not respond to *normal operating controls*.
- 3. shut-off valves or manual stop valves.

#### D. Inspectors are NOT required to enter:

- any area that will, in the opinion of the inspector, likely be dangerous to the inspector or other persons or damage the property or its systems or components.
- 2. *under-floor crawl spaces* or attics that are not *readily accessible*.

#### E. Inspectors are NOT required to inspect:

- underground items including but not limited to underground storage tanks or other underground indications of their presence, whether abandoned or active.
- 2. items that are not installed.
- 3. installed decorative items.
- 4. items in areas that are not entered in accordance with 13.2.D.
- 5. detached structures other than garages and carports.
- 6. common elements or common areas in multi-unit housing, such as condominium properties or cooperative housing.

#### F. Inspectors are NOT required to:

- perform any procedure or operation that will, in the opinion of the *inspector*, likely be dangerous to the *inspector* or other persons or damage the property or its *systems* or *components*.
- describe or report on any system or component that is not included in these Standards and was not inspected.
- 3. move personal property, furniture, equipment, plants, soil, snow, ice, or debris.
- 4. dismantle any system or component, except as explicitly required by these Standards of Practice.

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## ASHI STANDARDS OF PRACTICE GLOSSARY OF ITALICIZED TERMS

#### Alarm Systems

Warning devices *installed* or freestanding including but not limited to smoke detectors, carbon monoxide detectors, flue gas, and other spillage detectors, and security equipment

#### Automatic Safety Controls

Devices designed and *installed* to protect *systems* and *components* from unsafe conditions

#### Component

A part of a system

#### Decorative

Ornamental; not required for the proper operation of the essential *systems* and *components* of a home

#### Describe

To identify (in writing) a *system* or *component* by its type or other distinguishing characteristics

#### Dismantle

To take apart or remove any *component*, device, or piece of equipment that would not be taken apart or removed by a homeowner in the course of normal maintenance

#### Engineering

The application of scientific knowledge for the design, control, or use of building structures, equipment, or apparatus

### Further Evaluation

Examination and analysis by a qualified professional, tradesman, or service technician beyond that provided by the home inspection

### Home Inspection

The process by which an *inspector* visually examines the *readily accessible systems* and *components* of a home and which *describes* those *systems* and *components* in accordance with these Standards of Practice

### Household Appliances

Kitchen, laundry, and similar appliances, whether *installed* or free-standing

#### Inspect

To examine any system or component of a building in accordance with these Standards of Practice, using normal operating controls and opening readily openable access panels

#### Inspector

A person hired to examine any *system* or *component* of a building in accordance with these Standards of Practice

#### Installed

Attached such that removal requires tools

#### Normal Operating Controls

Devices such as thermostats, switches, or valves intended to be operated by the homeowner

#### Readily Accessible

Available for visual inspection without requiring moving of personal property, dismantling, destructive measures, or any action that will likely involve risk to persons or property

#### Readily Openable Access Panel

A panel provided for homeowner inspection and maintenance that is *readily accessible*, within normal reach, can be removed by one person, and is not sealed in place

#### Recreational Facilities

Spas, saunas, steam baths, swimming pools, exercise, entertainment, athletic, playground or other similar equipment, and associated accessories

#### Report

Communicate in writing

#### Representative Number

One component per room for multiple similar interior components such as windows, and electric receptacles; one component on each side of the building for multiple similar exterior components

### Roof Drainage Systems

Components used to carry water off a roof and away from a building

#### Shut Down

A state in which a system or component cannot be operated by normal operating controls

#### Siding

Exterior wall covering and cladding; such as: aluminum, asphalt, brick, cement/asbestos, EIFS, stone, stucco, veneer, vinyl, wood, etc.

## Solid Fuel Burning Appliances

A hearth and fire chamber or similar prepared place in which a fire may be built and that is built in conjunction with a chimney; or a listed assembly of a fire chamber, its chimney, and related factory-made parts designed for unit assembly without requiring field construction

#### Structural Component

A *component* that supports non-variable forces or weights (dead loads) and variable forces or weights (live loads)

#### System

A combination of interacting or interdependent *components*, assembled to carry out one or more functions.

#### Technically Exhaustive

An investigation that involves dismantling, the extensive use of advanced techniques, measurements, instruments, testing, calculations, or other means

#### Under-floor Crawl Space

The area within the confines of the foundation and between the ground and the underside of the floor

#### Unsafe

A condition in a readily accessible, installed system or component that is judged to be a significant risk of bodily injury during normal, day-to-day use; the risk may be due to damage, deterioration, improper installation, or a change in accepted residential construction standards

## Wiring Methods

Identification of electrical conductors or wires by their general type, such as non-metallic sheathed cable, armored cable, or knob and tube, etc.

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Integrity, honesty, and objectivity are fundamental principles embodied by this Code, which sets forth obligations of ethical conduct for the home inspection profession. The Membership of ASHI has adopted this Code to provide high ethical standards to safeguard the public and the profession.

Inspectors shall comply with this Code, shall avoid association with any enterprise whose practices violate this Code, and shall strive to uphold, maintain, and improve the integrity, reputation, and practice of the home inspection profession.

#### Inspectors shall avoid conflicts of interest or activities that compromise, or appear to compromise, professional independence, objectivity, or inspection integrity.

- A. Inspectors shall not inspect properties for compensation in which they have, or expect to have, a financial interest.
- B. Inspectors shall not inspect properties under contingent arrangements whereby any compensation or future referrals are dependent on reported findings or on the sale of a property.
- C. Inspectors shall not directly or indirectly compensate realty agents, or other parties having a financial interest in closing or settlement of real estate transactions, for the referral of inspections or for inclusion on a list of recommended inspectors, preferred providers, or similar arrangements.
- D. Inspectors shall not receive compensation for an inspection from more than one party unless agreed to by the client(s).
- E. Inspectors shall not accept compensation, directly or indirectly, for recommending contractors, services, or products to inspection clients or other parties having an interest in inspected properties.
- F. Inspectors shall not repair, replace, or upgrade, for compensation, systems or components covered by ASHI Standards of Practice, for one year after the inspection.

#### 2. Inspectors shall act in good faith toward each client and other interested parties.

- A. Inspectors shall perform services and express opinions based on genuine conviction and only within their areas of education, training, or experience.
- B. Inspectors shall be objective in their reporting and not knowingly understate or overstate the significance of reported conditions.
- C. Inspectors shall not disclose inspection results or client information without client approval. Inspectors, at their discretion, may disclose observed immediate safety hazards to occupants exposed to such hazards, when feasible.

# 3. Inspectors shall avoid activities that may harm the public, discredit themselves, or reduce public confidence in the profession.

- A. Advertising, marketing, and promotion of inspectors' services or qualifications shall not be fraudulent, false, deceptive, or misleading.
- B. Inspectors shall report substantive and willful violations of this Code to the Society.

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