INSPECTION REPORT



For the Property at:

XYZ TORONTO, ON

Prepared for: MR. XYZ

Inspection Date: Sunday, May 7, 2017

Prepared by: Ardi Honarmand



Competent Home Inspection 2885 Bayview Avenue Toronto, ON M2K 0A3 647-521-8224

www.competenthomeinspection.com competenthomeinspection@gmail.com



May 7, 2017

Dear Mr. XYZ,

RE: Report No. 1004, v.0

XYZ

Toronto, ON

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 Association (InterNACHI). 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 included as an appendix to this report, 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,

Ardi Honarmand on behalf of Competent Home Inspection

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XYZ, Toronto, ON May 7, 2017 STRUCTURE HEATING COOLING INSULATION **PLUMBING** SUMMARY ROOFING **EXTERIOR** INTERIOR **APPENDIX**

Note: For the purpose of this report the building is considered to be facing South.

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;

Please note that based on the age of this house there may be asbestos, lead, or knob-tube wiring present in the house although none was discovered during this visual inspection. Overall, this house is well-built and is in a good shape; however, it needs some improvement and maintenance that are listed in this report:

Priority Maintenance Items

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 home inspection. These may have to be adjusted based on the findings of specialists.

Home Improvement - ballpark costs

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XYZ, Toronto, ON May 7, 2017

SUMMARY ROOFING

G EXTERIO

STRUCTURE

ELECTRICAL

HEATING

COOLIN

INSULATION

PLUMBING

INTERIOF

APPENDIX

Description

Sloped roofing material:

Asphalt shingles





1. Asphalt shingles

2. Asphalt shingles

Probability of leakage: • Medium

Limitations

Inspection performed: • From the ground

Recommendations

SLOPED ROOFING \ Asphalt shingles

1. Condition: • Near end of life expectancy

The house faces south and the west side of the roof is showing signs of deterioration due to high west winds and weathering effects and may need to be replaced in about 5-6 years. The shingles on the east side are in better condition. **Implication(s)**: Chance of water damage to contents, finishes and/or structure

Location: West

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SUMMARY ROOF

ROOFING EXTE

STRUCTURE

ELECTRICA

HEATING

COOLIN

INSULATIO

PLUMBING

NTERIOR

APPENDIX





3. East Side





5. West Side

2. Condition: • Overhangs too big or too small

Overhang too big causing the shingles to break. Address this during remodeling or when replacing roof shingles down the road.

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

Location: East

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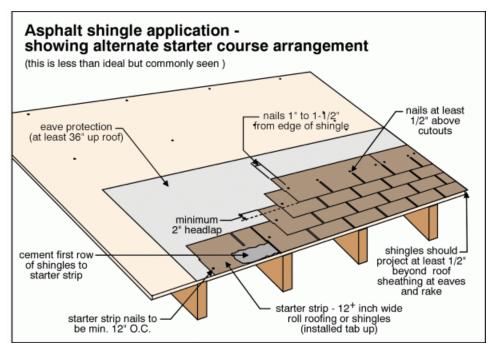
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INSULATI

PI UMBINO

INTERIOR

APPENDIX





6. Overhangs too big or too small

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SUMMARY ROOF

ROOFING EXTERIOR

STRUCTURE

ECTRICAL HE

COOL

INSULATIO

PI UMBINO

INTERIOR

APPENDIX

Description

Gutter & downspout material: • <u>Aluminum</u>

Gutter & downspout discharge: • Above grade

Lot slope:

Away from building

Overall grade slope is away from the building except the east side and a section at the air conditioner.

• Towards building

Wall surfaces - masonry:

Brick



7. Away from building

• Stone



8. Stone

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May 7, 2017

EXTERIOR

STRUCTURE

ELECTRICA

HEATING

COOLIN

INSULATI

PLUMBING

INTERIOR

SUMMARY APPENDIX

Driveway:

Asphalt



9. Asphalt

Porch:

Concrete



10. Concrete

Garage: • The garage is carpot type. The exterior wood coverings of the garage and support piers are deteriorated.

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SUMMARY ROOFING

May 7, 2017

EXTERIOR STRUCTURE

ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

APPENDIX





11.





13.

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ROOFING

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SUMMARY APPENDIX

Limitations

Exterior inspected from: • Ground level

Recommendations

ROOF DRAINAGE \ Downspouts

3. Condition: • Should discharge 6 feet from building

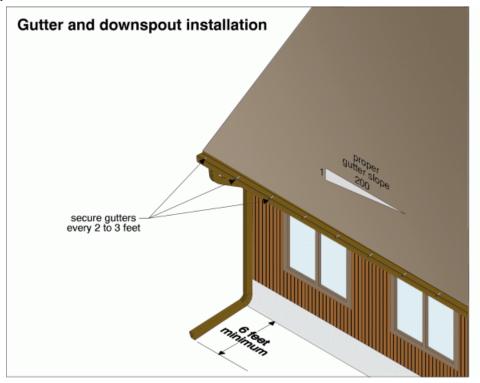
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Implication(s): Chance of water damage to contents, finishes and/or structure

Location: Throughout

Task: Correct

Time: Less than 1 year



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May 7, 2017

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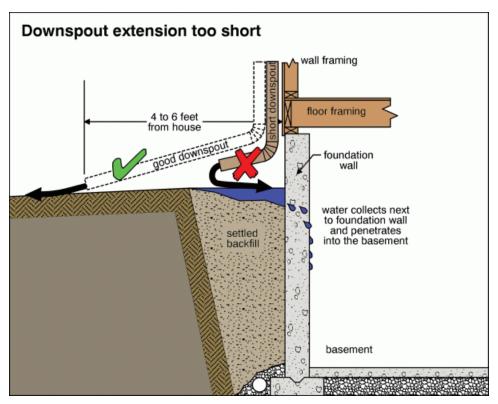
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INSULATI

PLUMBING

NTERIOR

SUMMARY APPENDIX





15. Should discharge 6 feet from building



16. Should discharge 6 feet from building

May 7, 2017 SUMMARY ROOFING EXTERIOR INSULATION

APPENDIX



17. Should discharge 6 feet from building

WALLS \ Flashings and caulking

4. Condition: • Caulking missing or ineffective

All exterior wall penetrations should be caulked with a flexible sealant to prevent penetration of moisture, drafts, rodents and insects.

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

WALLS \ Brick, stone and concrete

5. Condition: • Too close to grade

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

Task: Correct

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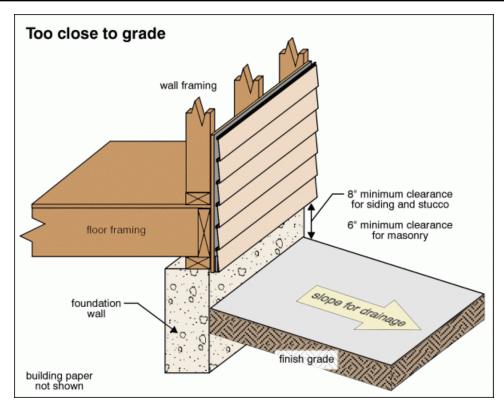
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ROOFING **EXTERIOR**

May 7, 2017

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APPENDIX





18.

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

6. Condition: • Missing Implication(s): Fall hazard

Task: Provide

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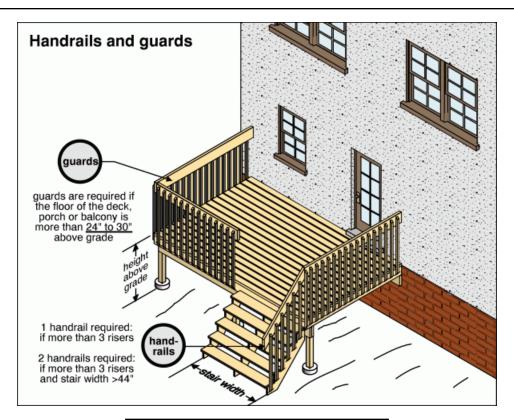
SUMMARY

ROOFING

EXTERIOR

May 7, 2017

APPENDIX





19. Missing

7. Condition: • Too low Implication(s): Fall hazard

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SUMMARY ROOFII

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ELECTRICA

HEATIN

COOLI

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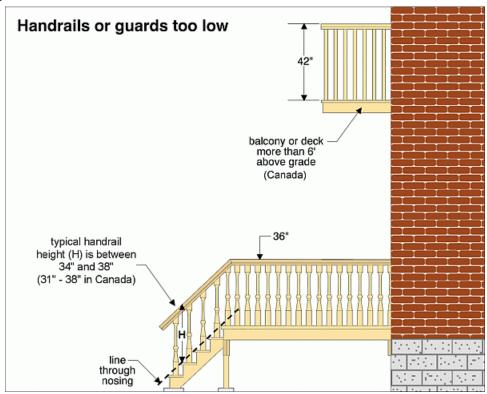
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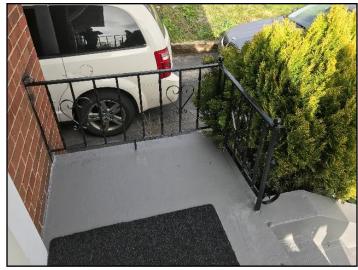
INTERIOR

APPENDIX

Location: Front Task: Correct

Time: Less than 1 year





20. Too low

LANDSCAPING \ Lot grading

8. Condition: • Improper slope or drainage

Neighbor's land slopes towards this house which is not suitable. Nothing much can be done about this.

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

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SUMMARY RO

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HEATING

COOLING

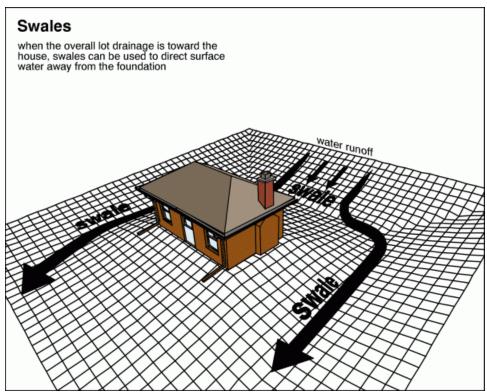
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PLUMBING

INTERIOR

APPENDIX





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XYZ, Toronto, ON
SUMMARY ROOFING

May 7, 2017

EXTERIOR

STRUCTURE ELECTRIC

HEATING

COOLIN

INSULATION

PLUMBING

INTERIOR

APPENDIX

LANDSCAPING \ Retaining wall

9. Condition: • Rot

Implication(s): Material deterioration | Weakened structure

Location: Front driveway **Task**: Repair or replace **Time**: When remodelling



21. Rot

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ROOFING

May 7, 2017

STRUCTURE

APPENDIX

Description

Configuration: • Basement

Foundation material:

• Masonry block



22. Masonry block

Exterior wall construction: • Wood frame / Brick veneer

Roof and ceiling framing: • Rafters/roof joists

Limitations

Percent of foundation not visible: • 95 %

Recommendations

FOUNDATIONS \ Foundation

10. Condition: • Prior repairs

There were cracks in foundation that got repaired by the previous owner.

Implication(s): Weakened structure

Task: Monitor

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ROOFING

May 7, 2017

STRUCTURE

ELECTRICAL

HEATING

COOLING

PLUMBING

APPENDIX



23. Prior repairs



24. Prior repairs

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SUMMARY ROOFIN

ROOFING EXTERIO

STRUCTURE

ELECTRICA

HEATING

COOLIN

INSULATI

PLUMBING

NTERIOR

APPENDIX

Description

Service entrance cable and location:

• Overhead



25. Overhead

Service size:

• 100 Amps (240 Volts)



26. Meter is rated for 200 Amps

Main disconnect/service box rating:

• 100 Amps

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STRUCTURE

ELECTRICAL

HEATING

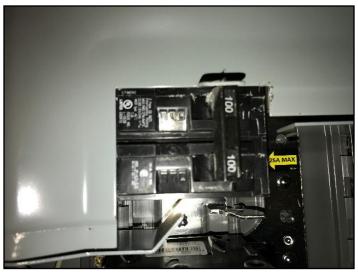
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INSULATION

PLUMBING

INTERIOF

APPENDIX



27. 100 Amps

Main disconnect/service box type and location:

• Breakers - basement



28. Breakers - basement

System grounding material and type:

• Copper - water pipe

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SUMMARY ROOFING

DEING EXTERIO

STRUCTURE

ICAL HE

EATING

COOLING

INSULATION

PLUMBING

INTERIOR

APPENDIX



29. Copper - water pipe

Distribution wire material and type: • This home was built during the time period when knob and tube wiring was still in use. Although none was discovered during the inspection, it is entirely possible that there is still some knob and tube wiring in use. This would typically be discovered when performing renovations and/or repairs. This should not come as a surprise and should simply be replaced before closing in the walls and ceilings. BACKGROUND - This pre-1955 wiring system is good quality and although it does not include the safety enhancement of a ground wire that is found in modern wiring, it can be serviceable if in good repair. Knob-and-tube wiring is often discovered when renovating or accessing areas that are not visible during a home inspection. It is possible that there is knob-and-tube wiring in the home, based on ?the age of the property, although none was noted during the inspection.

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

Type and number of outlets (receptacles): • Grounded - typical • Ungrounded - minimal

Circuit interrupters: Ground Fault (GFCI) & Arc Fault (AFCI):

- GFCI bathroom
- GFCI kitchen

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XYZ, Toronto, ON

ON May 7, 2017

ROOFING

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ELECTRICA

HEATING

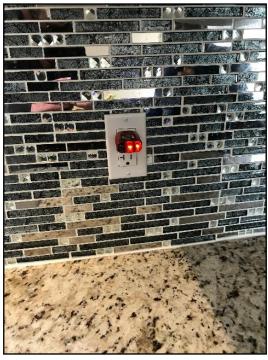
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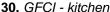
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PLUMBING

NTERIOR

SUMMARY APPENDIX







31. GFCI - kitchen

Smoke detectors:

• Present

NOTE: SMOKE & CO DETECTORS TO BE TESTED BY THE HOMEOWNER.

****It is recommended to have a smoke detector and carbon monoxide detector on each floor, to check the date to make sure they are not expired [less than 10 years] and change batteries/make sure they are working.

Limitations

Inspection limited/prevented by: • The home inspection includes only a sampling check of wiring, lights, and receptacles etc.

Recommendations

DISTRIBUTION SYSTEM \ Wiring - installation

11. Condition: • Not well secured

Implication(s): Fire hazard | Electric shock

Task: Correct

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ROOFING

EVTERIOR

May 7, 2017

STRUCTUR

ELECTRIC

HEATING

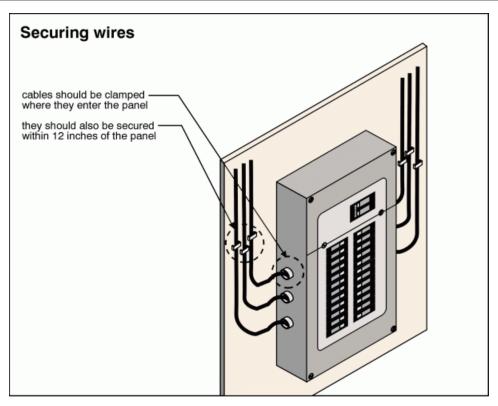
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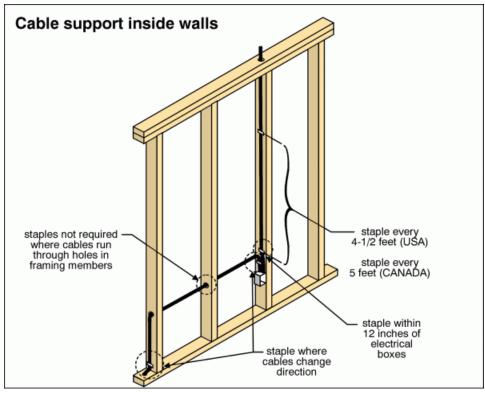
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PI UMBIN

INTERIOR

SUMMARY APPENDIX





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ROOFING EXTE

STRUCTURE

ELECTRICA

HEATING

COOLING

INSULATIO

PLUMBING

NTERIOR

SUMMARY APPENDIX



32. Not well secured

DISTRIBUTION SYSTEM \ Lights

12. Condition: • Ceiling fan problems

The fan cover is loose.

Implication(s): Reduced comfort
Location: Basement wahsroom



33. Ceiling fan problems

DISTRIBUTION SYSTEM \ Outlets (receptacles)

13. Condition: • Ungrounded

Have a licensed electrician look into this.

Implication(s): Electric shock

Location: Basement Kitchen and living room

Task: Service

Time: Less than 1 year

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SUMMARY ROOFING

XYZ, Toronto, ON May 7, 2017

INSULATION

PLUMBING

APPENDIX







35. Ungrounded

14. Condition: • No GFCI/GFI (Ground Fault Circuit Interrupter)

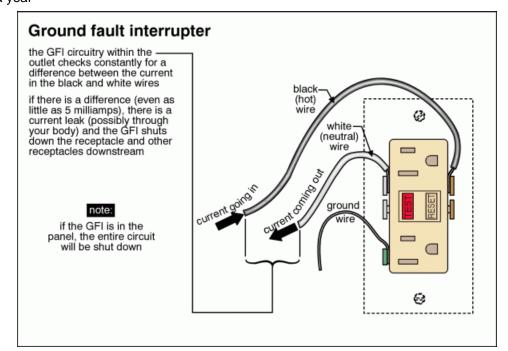
It is recommended to have all plugs, exterior and within 3' of a sink [basin of water] should have working GFI's

Implication(s): Electric shock

Location: Throughout

Task: Provide

Time: less than a year



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SUMMARY ROOFING

ROOFING EXTERIO

STRUCTURE

ELECTRIC

HEATING

COOLIN

INSULATION

PLUMBING

INTERIOR

APPENDIX



36. No GFCI/GFI (Ground Fault Circuit...

DISTRIBUTION SYSTEM \ Smoke detectors

15. Condition: • It is recommended to have a smoke detector on each floor, to check the date to make sure they are not expired [less than 10 years] and change batteries/make sure they are working.

Location: Basement First Floor

Task: Replace

DISTRIBUTION SYSTEM \ Carbon monoxide (CO) detectors

16. Condition: • It is recommended to have a CO detector on each floor, to check the date to make sure they are not expired [less than 10 years] and change batteries/make sure they are working.

Location: Basement First Floor

Task: Replace

XYZ, Toronto, ON SUMMARY

ROOFING

May 7, 2017

STRUCTURE

HEATING

PLUMBING

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APPENDIX

Description

System type:

• Furnace



37. Furnace

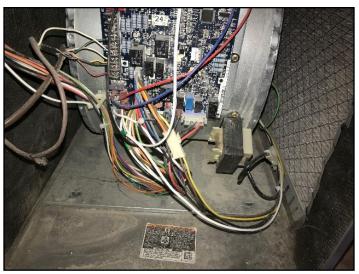
Fuel/energy source: • Gas

Furnace manufacturer: • Keeprite

Heat distribution: • <u>Ducts and registers</u>

Approximate capacity:

• 60,000 BTU/hr



38. Furnace

XYZ, Toronto, ON May 7, 2017 SUMMARY

ROOFING

HEATING

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APPENDIX



39. 60,000 BTU/hr

Efficiency: • High-efficiency Approximate age: • 4 years

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

Main fuel shut off at:

Meter



40. Meter

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ROOFING EXTERIOR

STRUCTURI

ELECTRICAL

HEATING

COOLIN

INSULATION

PLUMBING

INTERIOR

APPENDIX

SUMMARY

Limitations

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

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

Heat exchanger: • Not visible

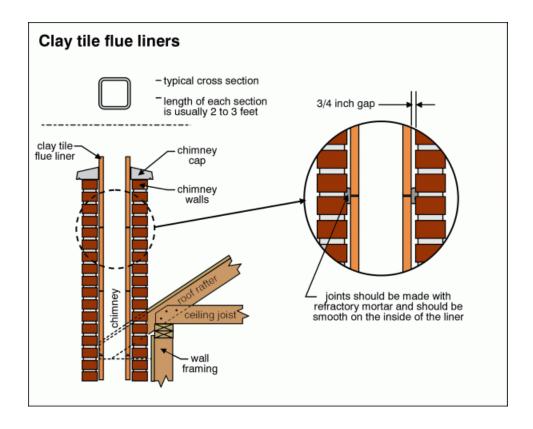
Recommendations

CHIMNEY AND VENT \ Masonry chimney

17. Condition: • No chimney liner Clay flue line is deteriorated.

Implication(s): Hazardous combustion products entering home | Material deterioration

Task: Provide



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SUMMARY

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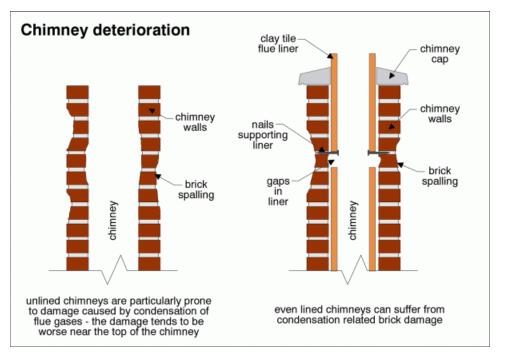
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INSULATI

PLUMBING

INTERIOR

APPENDIX







41. Yours

42. Neighbor's

May 7, 2017

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XYZ, Toronto, ON SUMMARY ROOFIN

ROOFING E

STRUCTURE

ELECTRICA

HEATING

COOLING

INSULATION

PLUMBING

NTERIOR

APPENDIX

Description

Air conditioning type:

• Air cooled



43. Air cooled

Manufacturer: • Keeprite

Cooling capacity:

• <u>2 Tons</u>



44. 2 Tons

COOLING & HEAT PUMP

Report No. 1004, v.0

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XYZ, Toronto, ON May 7, 2017 SUMMARY STRUCTURE ELECTRICAL PLUMBING ROOFING COOLING APPENDIX

Compressor approximate age: • 4 years Typical life expectancy: • 12 to 15 years

Failure probability: • Low

Limitations

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

INSULATION AND VENTILATION

Report No. 1004, v.0

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SUMMARY

ROOFING

STRUCTURE ELECTRICAL

INSULATION

APPENDIX

Description

Attic/roof insulation material:

• Glass fiber **Batt Insulation**



45. Glass fiber

• Cellulose

Attic/roof insulation amount/value: • R-32

Attic/roof ventilation: • Roof vent • Turbine vent

Attic/roof air/vapor barrier: • Not visible

Limitations

Attic inspection performed: • From access hatch

Recommendations

ATTIC/ROOF \ Insulation

18. Condition: • Gaps or voids

There are spots with less insulation coverage.

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

Location: Attic Task: Improve Time: Discretionary

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XYZ, Toronto, ON

ROOFING

STRUCTURE

INSULATION

PLUMBING

APPENDIX





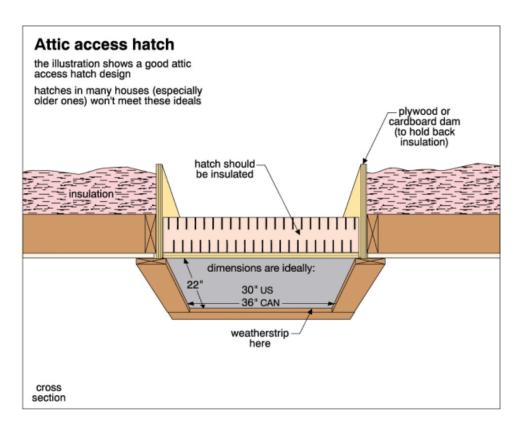
47. 46.

ATTIC/ROOF \ Hatch

19. Condition: • Not insulated and not weatherstripped

Implication(s): Reduced comfort | Increased heating and cooling costs | Chance of condensation damage to finishes

and/or structure Task: Improve



INSULATION AND VENTILATION

Report No. 1004, v.0

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XYZ, Toronto, ON May 7, 2017 SUMMARY

ROOFING

STRUCTURE ELECTRICAL

INSULATION

PLUMBING

APPENDIX



48. Not insulated and not weatherstripped

XYZ, Toronto, ON May 7, 2017 SUMMARY ROOFING STRUCTURE PLUMBING

APPENDIX

Description

Water supply source: • Public

Service piping into building:

• Copper

1/2" Diameter

Supply piping in building:

• Copper

1/2" Diameter

Main water shut off valve at the:

Front of the basement



49. Front of the basement

Water flow and pressure:

• Below average

Have a certified plumber look into this.

Water heater type:

• Conventional

This is a rental water heater. Vent line for this water heater goes through the chimney.

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XYZ, Toronto, ON

May 7, 2017

2017

STRUCTURE

ELECTRICA

HEATING

COOLIN

INSULATI

PLUMBING

NTERIOR

SUMMARY APPENDIX







51. Rental Unit



52. Vent

Water heater fuel/energy source: • Gas

Water heater manufacturer: • Bradford White

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ROOFING EXTERIOR

TRUCTURE E

ECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOF

APPENDIX

SUMMARY

Tank capacity: • 40 gallons

Water heater approximate age: • 6 years

Typical life expectancy: • 12 years or more

Limitations

Items excluded from a building inspection: • Water quality • Concealed plumbing • Tub/sink overflows • The performance of floor drains or clothes washing machine drains

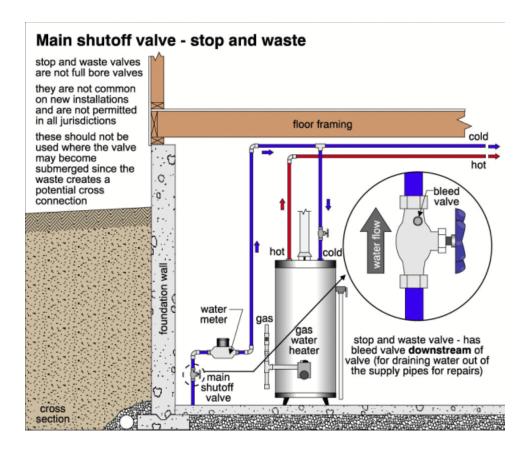
Recommendations

SUPPLY PLUMBING \ Shut off valve

20. Condition: • Leak

The shut-off gate vale at the water meter is leaking. Have a certified plumber look into this. **Implication(s)**: No water | Chance of water damage to contents, finishes and/or structure

Location: Basement Task: Replace



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SUMMARY ROOFING

EXTERIO

STRUCTURE

ELECTRIC

HEATING

COOLI

INSULAT

PLUMBING

INTERIOF

APPENDIX



53. Leak

WASTE PLUMBING \ Traps - installation

21. Condition: • Nonstandard shape or material Have a certified plumber replace this S-trap.

Implication(s): Reduced operability | Fixtures slow to drain

Location: Basement Kitchen

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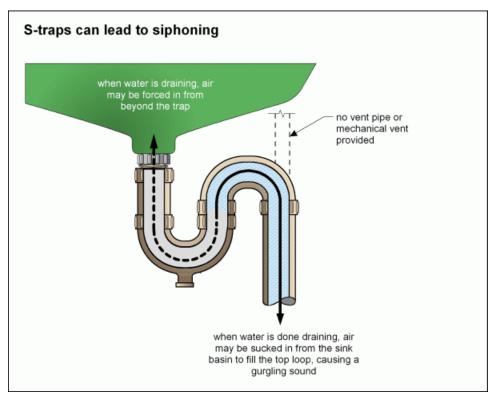
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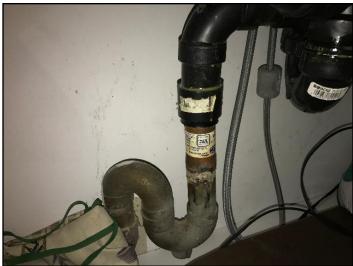
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PLUMBING

INTERIOR

APPENDIX





54. Nonstandard shape or material

FIXTURES AND FAUCETS \ Shower stall

22. Condition: • Caulking loose, missing or deteriorated

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

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SUMMARY ROOFING EXTERIOR STRUCTURE

STRUCTURE ELECTRICAL

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

APPENDIX



55. Caulking loose, missing or deteriorated

XYZ, Toronto, ON May 7, 2017

STRUCTURE ELECTRICAL SUMMARY ROOFING INTERIOR

APPENDIX

Description

Major wall and ceiling finishes: • Plaster/drywall

Windows: • Fixed • Sliders • Casement

Glazing: • Double

Recommendations

STAIRS \ Handrails and quards

23. Condition: • Hard to hold The handrail is inaccessible. Implication(s): Fall hazard Location: Basement

Task: Correct



56. Hard to hold

24. Condition: • Missing Implication(s): Fall hazard Location: Basement

Task: Provide

Time: Less than 1 year

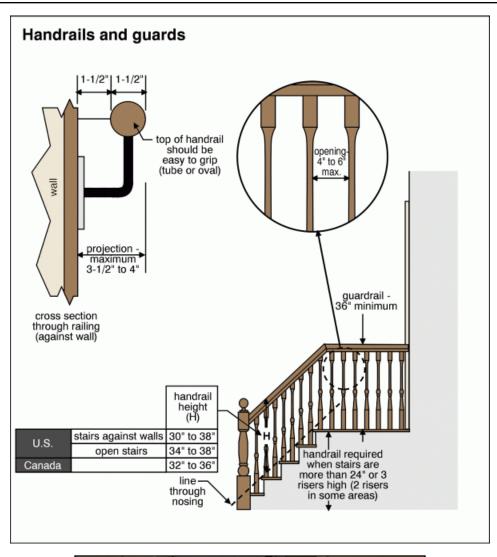
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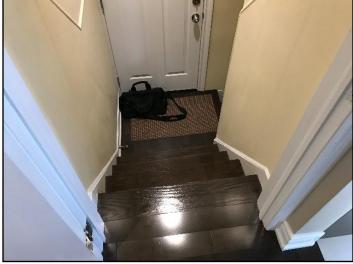
May 7, 2017

NTERIOR Report No. 1004, v.0

SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

APPENDIX





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INTERIOR

Report No. 1004, v.0

XYZ, Toronto, ON May 7, 2017

SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

APPENDIX

END OF REPORT

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XYZ, Toronto, ON May 7, 2017

SUMMARY ROOFII

ROOFING EXTERI

STRUCTURI

ELECTRIC

HEATIN

COOLIN

INSULAT

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INTERIOR

APPENDIX

The International Standards of Practice for Performing a General Home Inspection

and

The International Code of Ethics for Home Inspectors



Effective June 2013

XYZ, Toronto, ON May 7, 2017 www.competenthomeinspection.com

SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

APPENDIX

InterNACHI's Vision and Mission

InterNACHI, the International Association of Certified Home Inspectors, is the world's largest organization of residential and commercial property inspectors.

As a <u>federally tax-exempt, 501(c)(6) non-profit</u>, InterNACHI provides <u>training, certification, and Continuing Education</u> for its membership, including property inspectors, licensed real estate agents, and building contractors; and provides for its membership <u>business training</u>, <u>software products</u>, <u>marketing services</u>, and <u>membership benefits</u>.

InterNACHI members follow a comprehensive <u>Standards of Practice</u> and are bound by a strict <u>Code of Ethics</u>. The membership takes part in the regular exchange of professional experiences and ideas to support each other. InterNACHI maintains an <u>industry blog</u>, <u>Inspection Forum</u>, and <u>local Chapters</u> in support of this exchange of information. InterNACHI provides its members with other means of direct and membership-wide communication to further their understanding of their particular roles in the inspection industry and how best to serve their clients. The benefits of this cross-communication enhance the members' ability to build their businesses and develop specialized ancillary services.

In fulfilling this fundamental objective of training and mentoring its inspector-members, InterNACHI's broader mission is to educate homeowners by helping them understand the functions, materials, systems and components of their properties. InterNACHI inspectors are committed to providing consistent, accessible and trusted information to their clients about their properties' condition.

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Report No. 1004, v.0

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Available Online in English, Spanish and French

The International Standards of Practice for Performing a General Home Inspection is available online at http://www.nachi.org/sop.htm

The International Code of Ethics for Home Inspectors is available online at

http://www.nachi.org/code_of_ethics.htm

Estándares de Práctica, the Spanish version of the International Standards of Practice for Performing a General Home Inspection, is available online at http://www.nachi.org/sopspanish.htm

Código de ética, the Spanish version of the International Code of Ethics for Home Inspectors, is available online at http://www.nachi.org/coespanish.htm

Les Normes de Pratique Internationales pour la Réalisation d'une Inspection Générale de Biens Immobiliers, the French version of the International Standards of Practice for Performing a General Home Inspection, is available online at http://www.nachi.org/res-sop-french.htm

Code de Déontologie de l'Inspection Immobilière, the French version of the International Code of Ethics for Home Inspectors, is available online at http://www.nachi.org/code-of-ethics-french.htm

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XYZ, Toronto, ON May 7, 2017

ROOFING E

STRUCTURE

ELECTRIC

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

APPENDIX

InterNACHI's International Standards of Practice for Performing a General Home Inspection

The International Standards of Practice for Performing a General Home Inspection

TABLE OF CONTENTS

1. Definitions and Scope 3		
2. Limitations, Exceptions & Exclusions		3
3. Standards of Practice		5
31 F	Roof	5
	Exterior	
	Basement, Foundation, Crawlspace &	٠
	Structure	6
	Heating	
	Cooling	
	Plumbing	
3.7. E	Electrical	8
3.8. F	Fireplace	9
3.9. A	Attic, Insulation & Ventilation 1	0
	Doors, Windows & Interior 1	
	,	
4. Glossary of Terms 12		2
Code of Ethics		4

1. Definitions and Scope

- 1.1. A general home inspection is a non-invasive, visual examination of the accessible areas of a residential property (as delineated below), performed for a fee, which is designed to identify defects within specific systems and components defined by these Standards that are both observed and deemed material by the inspector. The scope of work may be modified by the Client and Inspector prior to the inspection process.
 - The general home inspection is based on the observations made on the date of the inspection, and not a prediction of future conditions.
 - II. The general home inspection will not reveal every issue that exists or ever could exist, but only those material defects observed on the date of the inspection.
- **1.2.** A **material defect** is a specific issue with a system or component of a residential property that may have a significant, adverse impact on the value of the property, or that poses an unreasonable risk to people. The fact that a system or component is near, at, or beyond the

end of its normal, useful life is not, in itself, a material defect.

1.3. A general home inspection report shall identify, in written format, defects within specific systems and components defined by these Standards that are both observed and deemed material by the inspector. Inspection reports may include additional comments and recommendations.

2. Limitations, Exceptions & Exclusions

2.1. Limitations:

- I. An inspection is not technically exhaustive.
- An inspection will not identify concealed or latent defects.
- III. An inspection will not deal with aesthetic concerns or what could be deemed matters of taste, cosmetic defects, etc.
- IV. An inspection will not determine the suitability of the property for any use.
- V. An inspection does not determine the market value of the property or its marketability.
- An inspection does not determine the insurability of the property.
- VII. An inspection does not determine the advisability or inadvisability of the purchase of the inspected property.
- VIII. An inspection does not determine the life expectancy of the property or any components or systems therein.
- IX. An inspection does not include items not permanently installed.
- X. This Standards of Practice applies only to properties with four or fewer residential units and their attached garages and carports.

2.2. Exclusions:

- I. The inspector is not required to determine:
 - A. property boundary lines or encroachments.
 - B. the condition of any component or system that is not readily accessible.
 - C. the service life expectancy of any component or system.
 - D. the size, capacity, BTU, performance or efficiency of any component or system.
 - E. the cause or reason of any condition.
 - F. the cause for the need of correction, repair or replacement of any system or component.
 - G. future conditions.
 - H. compliance with codes or regulations.

XYZ, Toronto, ON May 7, 2017

SUMMARY R

APPENDIX

ROOFING

EXTERIOR

TRUCTURE

ELECTRICA

HEATIN

COOLING

INSULATION

PLUMBING

INTERIOR

InterNACHI's International Standards of Practice for Performing a General Home Inspection

- I. the presence of evidence of rodents, birds, animals, insects, or other pests.
- J. the presence of mold, mildew or fungus.
- K. the presence of airborne hazards, including radon.
- L. the air quality.
- M. the existence of environmental hazards, including lead paint, asbestos or toxic drywall.
- N. the existence of electromagnetic fields.
- O. any hazardous waste conditions.
- P. any manufacturers' recalls or conformance with manufacturer installation, or any information included for consumer protection purposes.
- Q. acoustical properties.
- R. correction, replacement or repair cost estimates.
- S. estimates of the cost to operate any given system.
- II. The inspector is not required to operate:
 - A. any system that is shut down.
 - B. any system that does not function properly.
 - C. or evaluate low-voltage electrical systems, such as, but not limited to:
 - 1. phone lines;
 - 2. cable lines:
 - 3. satellite dishes;
 - 4. antennae;
 - 5. lights; or
 - 6. remote controls.
 - any system that does not turn on with the use of normal operating controls.
 - E. any shut-off valves or manual stop valves.
 - F. any electrical disconnect or over-current protection devices.
 - G. any alarm systems.
 - H. moisture meters, gas detectors or similar equipment.
- III. The inspector is not required to:
 - A. move any personal items or other obstructions, such as, but not limited to: throw rugs, carpeting, wall coverings, furniture, ceiling tiles, window coverings, equipment, plants, ice,

- debris, snow, water, dirt, pets, or anything else that might restrict the visual inspection.
- B. dismantle, open or uncover any system or component.
- C. enter or access any area that may, in the inspector's opinion, be unsafe.
- D. enter crawlspaces or other areas that may be unsafe or not readily accessible.
- E. inspect underground items, such as, but not limited to: lawn-irrigation systems, or underground storage tanks (or indications of their presence), whether abandoned or actively used.
- F. do anything that may, in the inspector's opinion, be unsafe or dangerous to him/herself or others, or damage property, such as, but not limited to: walking on roof surfaces, climbing ladders, entering attic spaces, or negotiating with pets.
- G. inspect decorative items.
- H. inspect common elements or areas in multi-unit housing.
- inspect intercoms, speaker systems or security systems.
- J. offer guarantees or warranties.
- K. offer or perform any engineering services.
- L. offer or perform any trade or professional service other than general home inspection.
- M. research the history of the property, or report on its potential for alteration, modification, extendibility or suitability for a specific or proposed use for occupancy.
- N. determine the age of construction or installation of any system, structure or component of a building, or differentiate between original construction and subsequent additions, improvements, renovations or replacements.
- O. determine the insurability of a property.
- P. perform or offer Phase 1 or environmental audits.

APPENDIX

Report No. 1004, v.0

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SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

InterNACHI's International Standards of Practice for Performing a General Home Inspection

Q. inspect any system or component that is not included in these Standards.

- I. perform a water test.
- J. warrant or certify the roof.
- K. confirm proper fastening or installation of any roof-covering material.

3. Standards of Practice

3.1. Roof

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

3.2. Exterior

- I. The inspector shall inspect:
 - the exterior wall-covering materials, flashing and trim;
 - B. all exterior doors;
 - C. adjacent walkways and driveways;
 - D. stairs, steps, stoops, stairways and ramps;
 - E. porches, patios, decks, balconies and carports;
 - F. railings, guards and handrails;
 - G. the eaves, soffits and fascia;
 - H. a representative number of windows; and
 - vegetation, surface drainage, retaining walls and grading of the property, where they may adversely affect the structure due to moisture intrusion.
- II. The inspector shall describe:
 - A. the type of exterior wall-covering materials.
- III. The inspector shall report as in need of correction:
 - A. any improper spacing between intermediate balusters, spindles and rails.
- IV. The inspector is not required to:
 - inspect or operate screens, storm windows, shutters, awnings, fences, outbuildings, or exterior accent lighting.
 - inspect items that are not visible or readily accessible from the ground, including window and door flashing.
 - C. inspect or identify geological, geotechnical, hydrological or soil conditions.

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XYZ, Toronto, ON May 7, 2017

SUMMARY ROC

ROOFING

EXTERIOR

STRUCTURI

ELECTRIC/

HEATING

COOLING

INSULATION

PLUMBIN

INTERIOR

APPENDIX

InterNACHI's International Standards of Practice for Performing a General Home Inspection

- D. inspect recreational facilities or playground equipment.
- E. inspect seawalls, breakwalls or docks.
- inspect erosion-control or earth-stabilization measures.
- G. inspect for safety-type glass.
- H. inspect underground utilities.
- I. inspect underground items.
- J. inspect wells or springs.
- K. inspect solar, wind or geothermal systems.
- L. inspect swimming pools or spas.
- M. inspect wastewater treatment systems, septic systems or cesspools.
- N. inspect irrigation or sprinkler systems.
- O. inspect drainfields or dry wells.
- P. determine the integrity of multiple-pane window glazing or thermal window seals.

3.3. Basement, Foundation, Crawlspace & Structure

- I. The inspector shall inspect:
 - A. the foundation;
 - B. the basement;
 - C. the crawlspace; and
 - D. structural components.
- II. The inspector shall describe:
 - A. the type of foundation; and
 - B. the location of the access to the under-floor space.
- III. The inspector shall report as in need of correction:
 - A. observed indications of wood in contact with or near soil:
 - B. observed indications of active water penetration;

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

3.4. Heating

- I. The inspector shall inspect:
 - A. the heating system, using normal operating controls.
- II. The inspector shall describe:
 - the location of the thermostat for the heating system;
 - B. the energy source; and
 - C. the heating method.
- III. The inspector shall report as in need of correction:
 - A. any heating system that did not operate; and
 - B. if the heating system was deemed inaccessible.
- IV. The inspector is not required to:
 - inspect or evaluate the interior of flues or chimneys, fire chambers, heat exchangers, combustion air systems, fresh-air intakes,

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XYZ, Toronto, ON May 7, 2017

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FXTERIOR

STRUCTUR

ELECTRIC/

HEATIN

COOLING

INSULATION

PLUMBING

INTERIOR

APPENDIX

InterNACHI's International Standards of Practice for Performing a General Home Inspection

humidifiers, dehumidifiers, electronic air filters, geothermal systems, or solar heating systems.

- B. inspect fuel tanks or underground or concealed fuel supply systems.
- determine the uniformity, temperature, flow, balance, distribution, size, capacity, BTU, or supply adequacy of the heating system.
- D. light or ignite pilot flames.
- E. activate heating, heat pump systems, or other heating systems when ambient temperatures or other circumstances are not conducive to safe operation or may damage the equipment.
- F. override electronic thermostats.
- G. evaluate fuel quality.
- H. verify thermostat calibration, heat anticipation, or automatic setbacks, timers, programs or clocks.

3.5. Cooling

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

- other circumstances are not conducive to safe operation or may damage the equipment.
- inspect or determine thermostat calibration, cooling anticipation, or automatic setbacks or clocks.
- E. examine electrical current, coolant fluids or gases, or coolant leakage.

3.6. Plumbing

- I. The inspector shall inspect:
 - A. the main water supply shut-off valve;
 - B. the main fuel supply shut-off valve;
 - the water heating equipment, including the energy source, venting connections, temperature/pressure-relief (TPR) valves, Watts 210 valves, and seismic bracing;
 - D. interior water supply, including all fixtures and faucets, by running the water;
 - E. all toilets for proper operation by flushing;
 - F. all sinks, tubs and showers for functional drainage;
 - G. the drain, waste and vent system; and
 - H. drainage sump pumps with accessible floats.
- II. The inspector shall describe:
 - A. whether the water supply is public or private based upon observed evidence:
 - B. the location of the main water supply shut-off valve;
 - the location of the main fuel supply shut-off valve;
 - D. the location of any observed fuel-storage system; and
 - E. the capacity of the water heating equipment, if labeled.
- III. The inspector shall report as in need of correction:

XYZ, Toronto, ON May 7, 2017

SUMMARY

ROOFING

FXTERIOR

STRUCTUR

ELECTRIC

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

APPENDIX

InterNACHI's International Standards of Practice for Performing a General Home Inspection

- A. deficiencies in the water supply by viewing the functional flow in two fixtures operated simultaneously;
- B. deficiencies in the installation of hot and cold water faucets;
- mechanical drain stops that were missing or did not operate if installed in sinks, lavatories and tubs; and
- toilets that were damaged, had loose connections to the floor, were leaking, or had tank components that did not operate.
- IV. The inspector is not required to:
 - A. light or ignite pilot flames.
 - B. measure the capacity, temperature, age, life expectancy or adequacy of the water heater.
 - C. inspect the interior of flues or chimneys, combustion air systems, water softener or filtering systems, well pumps or tanks, safety or shut-off valves, floor drains, lawn sprinkler systems, or fire sprinkler systems.
 - D. determine the exact flow rate, volume, pressure, temperature or adequacy of the water supply.
 - E. determine the water quality, potability or reliability of the water supply or source.
 - F. open sealed plumbing access panels.
 - G. inspect clothes washing machines or their connections.
 - H. operate any valve.
 - test shower pans, tub and shower surrounds or enclosures for leakage or functional overflow protection.
 - J. evaluate the compliance with conservation, energy or building standards, or the proper design or sizing of any water, waste or venting components, fixtures or piping.
 - K. determine the effectiveness of anti-siphon, backflow prevention or drain-stop devices.
 - L. determine whether there are sufficient cleanouts for effective cleaning of drains.

- M. evaluate fuel storage tanks or supply systems.
- N. inspect wastewater treatment systems.
- O. inspect water treatment systems or water filters.
- inspect water storage tanks, pressure pumps, or bladder tanks.
- Q. evaluate wait time to obtain hot water at fixtures, or perform testing of any kind to water heater elements.
- R. evaluate or determine the adequacy of combustion air.
- test, operate, open or close: safety controls, manual stop valves, temperature/pressure-relief valves, control valves, or check valves.
- T. examine ancillary or auxiliary systems or components, such as, but not limited to, those related to solar water heating and hot water circulation.
- U. determine the existence or condition of polybutylene plumbing.
- inspect or test for gas or fuel leaks, or indications thereof.

3.7. Electrical

- I. The inspector shall inspect:
 - A. the service drop;
 - B. the overhead service conductors and attachment point;
 - C. the service head, gooseneck and drip loops;
 - D. the service mast, service conduit and raceway;
 - E. the electric meter and base:
 - F. service-entrance conductors;
 - G. the main service disconnect;
 - H. panelboards and over-current protection devices (circuit breakers and fuses);
 - I. service grounding and bonding;

XYZ, Toronto, ON May 7, 2017

SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING

APPENDIX

InterNACHI's International Standards of Practice for Performing a General Home Inspection

- J. a representative number of switches, lighting fixtures and receptacles, including receptacles observed and deemed to be arc-fault circuit interrupter (AFCI)-protected using the AFCI test button, where possible;
- K. all ground-fault circuit interrupter receptacles and circuit breakers observed and deemed to be GFCIs using a GFCI tester, where possible; and
- L. smoke and carbon-monoxide detectors.
- II. The inspector shall describe:
 - A. the main service disconnect's amperage rating, if labeled; and
 - B. the type of wiring observed.
- III. The inspector shall report as in need of correction:
 - A. deficiencies in the integrity of the serviceentrance conductors' insulation, drip loop, and vertical clearances from grade and roofs;
 - B. any unused circuit-breaker panel opening that was not filled:
 - C. the presence of solid conductor aluminum branch-circuit wiring, if readily visible;
 - D. any tested receptacle in which power was not present, polarity was incorrect, the cover was not in place, the GFCI devices were not properly installed or did not operate properly, evidence of arcing or excessive heat, and where the receptacle was not grounded or was not secured to the wall; and
 - E. the absence of smoke detectors.
- IV. The inspector is not required to:
 - A. insert any tool, probe or device into the main panelboard, sub-panels, distribution panelboards, or electrical fixtures.
 - B. operate electrical systems that are shut down.
 - c. remove panelboard cabinet covers or dead fronts.
 - D. operate or re-set over-current protection devices or overload devices.

- e. operate or test smoke or carbon-monoxide detectors or alarms
- F. inspect, operate or test any security, fire or alarms systems or components, or other warning or signaling systems.
- G. measure or determine the amperage or voltage of the main service equipment, if not visibly labeled.
- inspect ancillary wiring or remote-control devices.
- activate any electrical systems or branch circuits that are not energized.
- J. inspect low-voltage systems, electrical de-icing tapes, swimming pool wiring, or any timecontrolled devices.
- K. verify the service ground.
- L. inspect private or emergency electrical supply sources, including, but not limited to: generators, windmills, photovoltaic solar collectors, or battery or electrical storage facility.
- M. inspect spark or lightning arrestors.
- N. inspect or test de-icing equipment.
- O. conduct voltage-drop calculations.
- P. determine the accuracy of labeling.
- Q. inspect exterior lighting.

3.8. Fireplace

- I. The inspector shall inspect:
 - A. readily accessible and visible portions of the fireplaces and chimneys;
 - B. lintels above the fireplace openings;
 - damper doors by opening and closing them, if readily accessible and manually operable; and
 - D. cleanout doors and frames.
- II. The inspector shall describe:
 - A. the type of fireplace.

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ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

APPENDIX

InterNACHI's International Standards of Practice for Performing a General Home Inspection

- III. The inspector shall report as in need of correction:
 - evidence of joint separation, damage or deterioration of the hearth, hearth extension or chambers:
 - B. manually operated dampers that did not open and close;
 - C. the lack of a smoke detector in the same room as the fireplace;
 - D. the lack of a carbon-monoxide detector in the same room as the fireplace; and
 - E. cleanouts not made of metal, pre-cast cement, or other non-combustible material.
- IV. The inspector is not required to:
 - A. inspect the flue or vent system.
 - B. inspect the interior of chimneys or flues, fire doors or screens, seals or gaskets, or mantels.
 - C. determine the need for a chimney sweep.
 - D. operate gas fireplace inserts.
 - E. light pilot flames.
 - F. determine the appropriateness of any installation.
 - G. inspect automatic fuel-fed devices.
 - H. inspect combustion and/or make-up air devices.
 - inspect heat-distribution assists, whether gravitycontrolled or fan-assisted.
 - J. ignite or extinguish fires.
 - K. determine the adequacy of drafts or draft characteristics.
 - L. move fireplace inserts, stoves or firebox contents.
 - M. perform a smoke test.
 - N. dismantle or remove any component.
 - O. perform a National Fire Protection Association (NFPA)-style inspection.

P. perform a Phase I fireplace and chimney inspection.

3.9. Attic, Insulation & Ventilation

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

Report No. 1004, v.0 www.competenthomeinspection.com

COOLING INSULATION PLUMBING ROOFING

APPENDIX

InterNACHI's International Standards of Practice for Performing a General Home Inspection

3.10. Doors, Windows & Interior

May 7, 2017

- I. The inspector shall inspect:
 - A. a representative number of doors and windows by opening and closing them;
 - B. floors, walls and ceilings;
 - C. stairs, steps, landings, stairways and ramps;
 - D. railings, guards and handrails; and
 - E. garage vehicle doors and the operation of garage vehicle door openers, using normal operating controls.
- II. The inspector shall describe:
 - A. a garage vehicle door as manually-operated or installed with a garage door opener.
- III. The inspector shall report as in need of correction:
 - A. improper spacing between intermediate balusters, spindles and rails for steps, stairways, guards and railings;
 - B. photo-electric safety sensors that did not operate properly; and
 - C. any window that was obviously fogged or displayed other evidence of broken seals.
- IV. The inspector is not required to:
 - A. inspect paint, wallpaper, window treatments or finish treatments.
 - B. inspect floor coverings or carpeting.
 - C. inspect central vacuum systems.
 - D. inspect for safety glazing.
 - E. inspect security systems or components.
 - F. evaluate the fastening of islands, countertops, cabinets, sink tops or fixtures.
 - G. move furniture, stored items, or any coverings, such as carpets or rugs, in order to inspect the concealed floor structure.
 - H. move suspended-ceiling tiles.
 - inspect or move any household appliances.

- J. inspect or operate equipment housed in the garage, except as otherwise noted.
- K. verify or certify the proper operation of any pressure-activated auto-reverse or related safety feature of a garage door.
- L. operate or evaluate any security bar release and opening mechanisms, whether interior or exterior, including their compliance with local, state or federal standards.
- M. operate any system, appliance or component that requires the use of special keys, codes, combinations or devices.
- N. operate or evaluate self-cleaning oven cycles, tilt guards/latches, or signal lights.
- O. inspect microwave ovens or test leakage from microwave ovens.
- P. operate or examine any sauna, steamgenerating equipment, kiln, toaster, ice maker, coffee maker, can opener, bread warmer, blender, instant hot-water dispenser, or other small, ancillary appliances or devices.
- Q. inspect elevators.
- R. inspect remote controls.
- S. inspect appliances.
- T. inspect items not permanently installed.
- U. discover firewall compromises.
- V. inspect pools, spas or fountains.
- W. determine the adequacy of whirlpool or spa jets, water force, or bubble effects.
- X. determine the structural integrity or leakage of pools or spas.

SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

APPENDIX

InterNACHI's International Standards of Practice for Performing a General Home Inspection

4. Glossary of Terms

- accessible: In the opinion of the inspector, can be approached or entered safely, without difficulty, fear or danger.
- activate: To turn on, supply power, or enable systems, equipment or devices to become active by normal operating controls. Examples include turning on the gas or water supply valves to the fixtures and appliances, and activating electrical breakers or fuses.
- adversely affect: To constitute, or potentially constitute, a negative or destructive impact.
- alarm system: Warning devices, installed or freestanding, including, but not limited to: carbon-monoxide detectors, flue gas and other spillage detectors, security equipment, ejector pumps, and smoke alarms.
- appliance: A household device operated by the use of electricity or gas. Not included in this definition are components covered under central heating, central cooling or plumbing.
- architectural service: Any practice involving
 the art and science of building design for
 construction of any structure or grouping of
 structures, and the use of space within and
 surrounding the structures or the design, design
 development, preparation of construction
 contract documents, and administration of the
 construction contract.
- **component:** A permanently installed or attached fixture, element or part of a system.
- condition: The visible and conspicuous state of being of an object.
- correction: Something that is substituted or proposed for what is incorrect, deficient, unsafe, or a defect.
- cosmetic defect: An irregularity or imperfection in something, which could be corrected, but is not required.
- crawlspace: The area within the confines of the foundation and between the ground and the underside of the lowest floor's structural component.

 decorative: Ornamental; not required for the operation of essential systems or components of a home.

Report No. 1004, v.0

- describe: To report in writing a system or component by its type or other observed characteristics in order to distinguish it from other components used for the same purpose.
- determine: To arrive at an opinion or conclusion pursuant to examination.
- dismantle: To open, take apart or remove any component, device or piece that would not typically be opened, taken apart or removed by an ordinary occupant.
- engineering service: Any professional service
 or creative work requiring engineering
 education, training and experience, and the
 application of special knowledge of the
 mathematical, physical and engineering
 sciences to such professional service or creative
 work as consultation, investigation, evaluation,
 planning, design and supervision of construction
 for the purpose of assuring compliance with the
 specifications and design, in conjunction with
 structures, buildings, machines, equipment,
 works and/or processes.
- enter: To go into an area to observe visible components.
- evaluate: To assess the systems, structures and/or components of a property.
- evidence: That which tends to prove or disprove something; something that makes plain or clear; grounds for belief; proof.
- examine: To visually look (see inspect).
- foundation: The base upon which the structure or wall rests, usually masonry, concrete or stone, and generally partially underground.
- function: The action for which an item, component or system is specially fitted or used, or for which an item, component or system exists; to be in action or perform a task.
- functional: Performing, or able to perform, a function.

XYZ, Toronto, ON May 7, 2017

SUMMARY ROC

ROOFING EXTE

STRUCTURE

ELECTRICA

HEATING

COOLING

INSULATION

PLUMBING

INTERIOR

APPENDIX

InterNACHI's International Standards of Practice for Performing a General Home Inspection

- functional defect: A lack of or an abnormality in something that is necessary for normal and proper functioning and operation, and, therefore, requires further evaluation and correction.
- general home inspection: The process by which an inspector visually examines the readily accessible systems and components of a home and operates those systems and components utilizing this Standards of Practice as a guideline.
- home inspection: See general home inspection.
- household appliances: Kitchen and laundry appliances, room air conditioners, and similar appliances.
- identify: To notice and report.
- indication: That which serves to point out, show, or make known the present existence of something under certain conditions.
- inspect: To examine readily accessible systems and components safely, using normal operating controls, and accessing readily accessible areas, in accordance with this Standards of Practice.
- inspected property: The readily accessible areas of the buildings, site, items, components and systems included in the inspection.
- inspection report: A written communication (possibly including images) of any material defects observed during the inspection.
- inspector: One who performs a real estate inspection.
- installed: Attached or connected such that the installed item requires a tool for removal.
- material defect: A specific issue with a system
 or component of a residential property that may
 have a significant, adverse impact on the value
 of the property, or that poses an unreasonable
 risk to people. The fact that a system or
 component is near, at, or beyond the end of its
 normal, useful life is not, in itself, a material
 defect.

- normal operating controls: Describes the method by which certain devices (such as thermostats) can be operated by ordinary occupants, as they require no specialized skill or knowledge.
- observe: To visually notice.
- operate: To cause systems to function or turn on with normal operating controls.
- readily accessible: A system or component that, in the judgment of the inspector, is capable of being safely observed without the removal of obstacles, detachment or disengagement of connecting or securing devices, or other unsafe or difficult procedures to gain access.
- recreational facilities: Spas, saunas, steam baths, swimming pools, tennis courts, playground equipment, and other exercise, entertainment and athletic facilities.
- report (verb form): To express, communicate or provide information in writing; give a written account of. (See also inspection report.)
- representative number: A number sufficient to serve as a typical or characteristic example of the item(s) inspected.
- residential property: Four or fewer residential units.
- residential unit: A home; a single unit providing complete and independent living facilities for one or more persons, including permanent provisions for living, sleeping, eating, cooking and sanitation.
- safety glazing: Tempered glass, laminated glass, or rigid plastic.
- **shut down:** Turned off, unplugged, inactive, not in service, not operational, etc.
- structural component: A component that supports non-variable forces or weights (dead loads) and variable forces or weights (live loads).
- **system:** An assembly of various components which function as a whole.

XYZ, Toronto, ON May 7, 2017

SUMMARY ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

APPENDIX

InterNACHI's International Standards of Practice for Performing a General Home Inspection

- technically exhaustive: A comprehensive and detailed examination beyond the scope of a real estate home inspection that would involve or include, but would not be limited to: dismantling, specialized knowledge or training, special equipment, measurements, calculations, testing, research, analysis, or other means.
- unsafe: In the inspector's opinion, a condition
 of an area, system, component or procedure
 that is judged to be a significant risk of 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.
- · verify: To confirm or substantiate.

These terms are found within the Standards of Practice. Visit InterNACHI's full Glossary online at http://www.nachi.org/glossary.htm

International Code of Ethics for Home Inspectors

The International Association of Certified Home Inspectors (InterNACHI) promotes a high standard of professionalism, business ethics and inspection procedures. InterNACHI members subscribe to the following Code of Ethics in the course of their business.

I. Duty to the Public

- The InterNACHI member shall abide by the Code of Ethics and substantially follow the InterNACHI Standards of Practice.
- The InterNACHI member shall not engage in any practices that could be damaging to the public or bring discredit to the home inspection industry.
- The InterNACHI member shall be fair, honest and impartial, and act in good faith in dealing with the public.
- 4. The InterNACHI member shall not discriminate in any business activities on the basis of race, color, religion, sex, national origin, familial status, sexual orientation, or handicap, and shall comply with all federal,

- state and local laws concerning discrimination.
- The InterNACHI member shall be truthful regarding his/her services and qualifications.
- The InterNACHI member shall not:
 - have any disclosed or undisclosed conflict of interest with the client;
 - accept or offer any disclosed or undisclosed commissions, rebates, profits, or other benefit from real estate agents, brokers, or any third parties having financial interest in the sale of the property; or
 - offer or provide any disclosed or undisclosed financial compensation directly or indirectly to any real estate agent, real estate broker, or real estate company for referrals or for inclusion on lists of preferred and/or affiliated inspectors or inspection companies.
- 7. The InterNACHI member shall not release any information about the inspection or the client to a third party unless doing so is necessary to protect the safety of others, to comply with a law or statute, or both of the following conditions are met:
 - the client has been made explicitly aware of what information will be released, to whom, and for what purpose, and;
 - the client has provided explicit, prior written consent for the release of his/her information.
- The InterNACHI member shall always act in the interests of the client unless doing so violates a law, statute, or this Code of Ethics.
- The InterNACHI member shall use a written contract that specifies the services to be performed, limitations of services, and fees.
- 10. The InterNACHI member shall comply with all government rules and licensing

XYZ, Toronto, ON May 7, 2017

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ING EXTERIO

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ELECTRICA

HEATIN

COOLING

INSULATION

PLUMBING

INTERIOR

APPENDIX

InterNACHI's International Standards of Practice for Performing a General Home Inspection

requirements of the jurisdiction where he or she conducts business.

11. The InterNACHI member shall not perform or offer to perform, for an additional fee, any repairs or associated services to the structure for which the member or member's company has prepared a home inspection report for a period of 12 months. This provision shall not include services to components and/or systems that are not included in the InterNACHI Standards of Practice.

II. Duty to Continue Education

- The InterNACHI member shall comply with InterNACHI's current Continuing Education requirements.
- The InterNACHI member shall pass InterNACHI's Online Inspector Exam once every three years.

III. Duty to the Profession and to InterNACHI

 The InterNACHI member shall strive to improve the home inspection industry by sharing his/her lessons and/or experiences for the benefit of all. This does not preclude the member from copyrighting or marketing his/her expertise to other Inspectors or the public in any manner permitted by law.

- The InterNACHI member shall assist the InterNACHI leadership in disseminating and publicizing the benefits of InterNACHI membership.
- The InterNACHI member shall not engage in any act or practice that could be deemed damaging, seditious or destructive to InterNACHI, fellow InterNACHI members, InterNACHI employees, leadership or directors. Accusations of a member acting or deemed in violation of such rules shall trigger a review by the Ethics Committee for possible sanctions and/or expulsion from InterNACHI.
- The InterNACHI member shall abide by InterNACHI's current membership requirements.
- The InterNACHI member shall abide by InterNACHI's current message board rules.

Members of other associations are welcome to join InterNACHI, but a requirement of membership is that InterNACHI must be given equal or greater prominence in their marketing materials (brochures and websites) compared to other associations of membership.