# **Your Inspection Report**

# 85 Riverview Gdns Toronto, ON



PREPARED FOR: JENNIFER PERCIVAL

INSPECTION DATE: Thursday, March 24, 2016

**PREPARED BY:** Adam Hannan





Carson, Dunlop & Associates 120 Carlton Street, Suite 407 Toronto, ON M5A 4K2

### 416-964-9415

www.carsondunlop.com info@carsondunlop.com

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March 24, 2016

Dear Jennifer Percival,

RE: Report No. 52436 85 Riverview Gdns Toronto, ON

Thank you for choosing us to perform your home inspection. We hope the experience met your expectations.

There are a series of coloured tabs at the top of each page of the attached report that you can click for easy navigation. Each tab takes you to a section describing each major home system (Roofing, Exterior, Structure, etc.). Blue, underlined text indicates a hyperlink. Click on the hyperlink for more information on that subject or condition. There is further reference material at the end.

A home inspection identifies the current condition of the property but cannot predict the future. Our home warranty protects you against the high cost of repair and replacement to furnaces, air conditioners, water heaters and appliances for as long as you own your home. To learn more, click on the Appendix heading at the top of any page of your report.

Please feel free to contact us with questions about the report or the home itself any time, for as long as you own your home. Our telephone and e-mail consulting service is available at no cost to you. Please watch for your follow-up e-mail. We hope you will fill out and return our client questionnaire.

### FOR THE BUYER

This inspection report is very helpful, but it's not enough to make a decision about buying a home. A complete home inspection includes both an onsite review of the property with the home inspector and the inspection report. To book your Onsite Review, call us at 800-268-7070. Without an Onsite Review, our obligation and liability is limited to the seller.

Thanks again for choosing Carson Dunlop

Sincerely,

Adam Hannan on behalf of Carson, Dunlop & Associates

> Carson, Dunlop & Associates 120 Carlton Street, Suite 407 Toronto, ON M5A 4K2 416-964-9415 www.carsondunlop.com info@carsondunlop.com



# INVOICE

March 24, 2016

Client: Jennifer Percival

Report No. 52436 For inspection at: 85 Riverview Gdns Toronto, ON

on: Thursday, March 24, 2016

Sellers Home Inspection - Professional Inspector	\$460.00	
Coupon		(\$25.00)
	Subtotal HST #108348343	\$435.00 \$56.55
	RT0001 Total	\$491.55

PAID IN FULL - THANK YOU!

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OVER	OVERVIEW Report No. 52436									
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OVERVIEW	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR	
APPENDIX	REFERENCE									

### INTRODUCTION

This Overview lists some of the significant report items that may need attention in the short term. This must not be considered as the complete report. Please read the entire report and the appropriate text included in the hyperlinks. The goal of a home inspection is to identify significant issues that would affect the average person's decision to buy a home. While looking for big issues we typically identify some minor defects along the way. We include these in the report as a courtesy, but please understand a home inspection is not a Technical Audit and does not include a comprehensive list of minor issues. (That service is available at additional cost.)

### FOR THE BUYER

This inspection report is very helpful, but it's not enough to make a decision about buying a home. A complete home inspection includes both an onsite review of the property with the home inspector and the inspection report. To book your Onsite Review, call us at 800-268-7070. Without an Onsite Review, our obligation and liability is limited to the seller.

When you move into the home you may find some issues not identified in the report. That is to be expected and we suggest you allow roughly 1% of the value of the home annually for this type of maintenance and repair.

# ELECTRICAL

### **OUTLETS \ Observations**

Condition: • Inoperative This outlet is an older style outlet. The wires are inactive. We recommend that these wire be removed. Location: Dining Room Task: Remove inactive wiring. Time: As soon as possible

# COOLING

### **OUTDOOR UNIT \ Observations**

Condition: • Past normal lifespan Location: Exterior Task: Replace Time: Unpredictable / When necessary Cost: \$3,000 - and up

Houses are designed to last a very long time, but many of the components are consumable. Roofs, heating systems, air conditioning systems and water heaters, for example, wear out and are replaced from time to time. A home with older systems does not mean a poor quality house.

Many elements like kitchens, bathrooms, flooring, siding and windows are most often changed for lifestyle and decorating reasons. These discretionary home improvements are typically planned projects.

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ENDIX REFERENCE	APPENDIX
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Un-planned repairs or replacements are never welcome, but are part of the 'joy of home ownership'. We encourage you to set up maintenance programs to protect your investment, reduce costs, improve comfort and efficiency, and extend life expectancy.

### A Word About Water

Uncontrolled water is the enemy of homes. It not only damages the replaceable components, it also attacks the permanent elements of a home including wood and steel structural members, siding, trim, windows, doors, walls, floors and ceilings. Water also promotes mold growth.

Water sources include rain, snow, surface water, ground water; leaks from plumbing and heating systems and condensation. Again, preventative maintenance is the key to protecting your investment and avoiding water damage. This includes keeping gutters and downspouts clear and leak free, and discharging water well away from the building. Lot grading should slope slightly down away from the home to direct surface water away from the home.

Annual maintenance programs on roofs, gutters, heating and cooling systems help minimize water damage.

### END OF OVERVIEW

### NOTE: BALLPARK COSTS AND TIME FRAMES

Any ballpark costs and time estimates provided are a courtesy and should not be relied on for budgeting or decision-making. Quotations from specialists should be obtained. The word 'Minor' describes any cost up to roughly \$500.

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OVERVIEW ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION	PLUMBING	INTERIOR							
APPENDIX REFERENCE									
Descriptions									
Sloped roofing material: • Asphalt shingles									
Garage roofing material:  • Asphalt shingles									
Chimneys: • Metal - Masonry covered									

# **Observations and Recommendations**

### <u>General</u>

• Snow/ice on the roof restricted access during the inspection. A full inspection by a specialist is recommended when the snow is gone. Repairs may be required based on the results of the full inspection.

Location: Throughout Roof

Task: Inspect when ice is gone



Snow/ice on the roof restricted access...

• Asphalt shingle roof coverings wear out and are replaced every 15 years or more, depending on a number of variables. An annual roof tune-up by a qualified roofer is strongly recommended.

### **CHIMNEY \ Observations**

Condition: • <u>Masonry Cap - missing</u> Location: Chimney Task: Provide Time: Less than 1 year Cost: \$500 - \$1,000 Depart No. 50400

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Masonry Cap - missing

# Inspection Methods and Limitations

Roof inspection method: • Binoculars from the ground • Through a window/skylight - limited view

**Roof inspection limited/prevented by:** • Ice on ground • Eaves Protection - presence, continuity and effectiveness cannot be determined during a professional Home Inspection.

Roof inspection limited/prevented by: • Snow/ice • Wet roof surface

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<b>EXTERIOR</b> 85 Riverview Gdns,	Toronto, ON March 24, 2016	Report No. 52436 www.carsondunlop.com
OVERVIEW ROOFING		
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Descriptions		
	purpose of this report, the home is considered to face WEST	
	pout Material(s): • <u>Aluminum</u>	
Wall Surfaces: • B	rick • Stucco look panels	
Observations	and Recommendations	
Time: Regular main Cost: Minor	Downspouts - common leakage areas	
	leaking elbows and seams split along back seam	

### LOT GRADING \ Observations

**Condition:** • Monitor perimeter of home during periods of heavy rain and improve grading as necessary to direct water away from the foundation wall.

staining orefflorescence

### WALKS \ Observations

Condition: • Low areas Location: Front Exterior Task: Monitor / Improve Time: As necessary

# EXTERIOR Report No. 52436 85 Riverview Gdns, Toronto, ON March 24, 2016 overview Roofing Exterior structure ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR

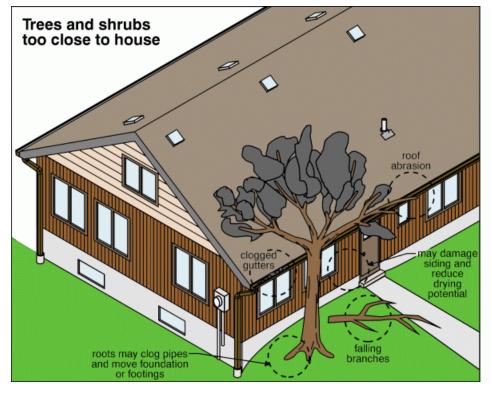
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Low areas

### LANDSCAPING \ Observations

Condition: • <u>Shrubs/Trees - too close to building (trimming needed)</u> Location: Throughout Exterior Task: Improve Time: Regular maintenance Cost: Regular maintenance item



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Example

## WALL SURFACES \ Observations

**Condition:** • Most masonry walls have small cracks due to shrinkage or minor settlement. These will not be individually noted in the report, unless leakage, building movement or similar problems are noted.

Condition: • Gap at wall should be sealed Location: Right Side Exterior Wall Task: Repair Time: Regular maintenance Cost: Minor



Gap at wall should be sealed

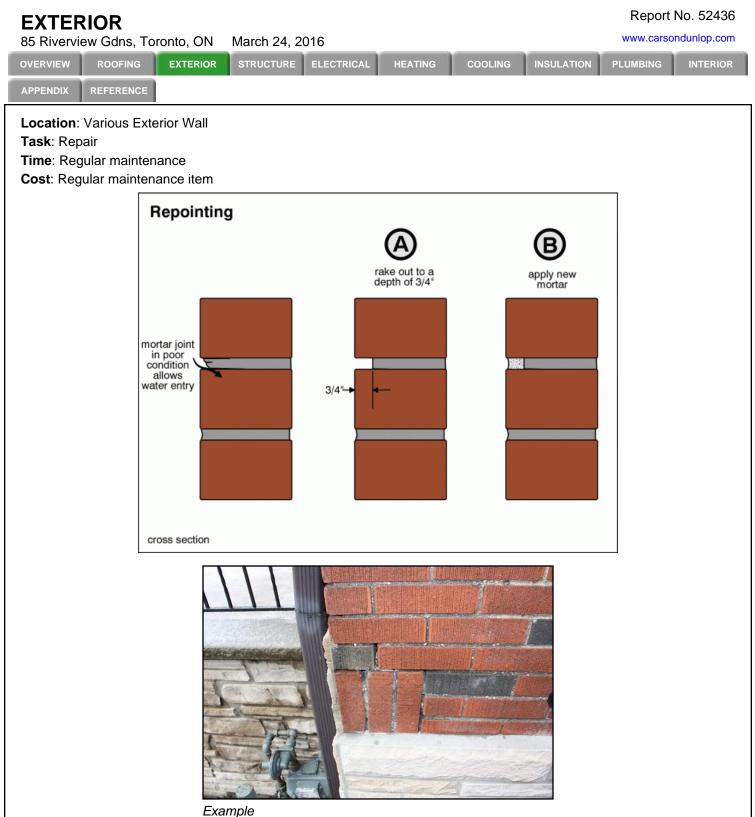
### Condition: • Mortar deteriorated/missing

Tuck pointing needed at various areas of the exterior walls. Most homes of this age need regular maintenance of exterior brickwork. Overall, the brickwork appears in good condition for the age of the home. Repointing:

- Soft mortar \$3.00-\$6.00 per sq. ft.

(minimum \$500)

- Hard mortar \$5.00-\$10.00 per sq. ft. (minimum \$500)



# GARAGE \ Observations

Condition: • Vehicle door handle is damaged and sharp Location: Garage Door Task: Replace Garage handle Time: Before using Cost: minor

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# Inspection Methods and Limitations

Exterior inspection method: • The exterior was inspected from ground level.

**Limitations:** • Fences, outbuildings (other than garages) and landscape features are not included as part of a home inspection.

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STRUCTURE

ROOFING

REFERENCE

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STRUCTURE ELECTRICAL HEATING COOLING INSULATION

PLUMBING INTE

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Descriptions
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APPENDIX

General: • The structure has performed well, with no evidence of significant movement.

Foundations: • Not visible

Configuration: 
• Basement

Floor Construction: • Joists - wood

Exterior Wall Construction: 
• Masonry

Roof and Ceiling Framing: 
• <u>Rafters/Roof joists</u>

# **Observations and Recommendations**

### **MASONRY WALLS \ Observations**

Condition: • Cracks

Most masonry walls have small cracks due to minor settlement, shrinkage, or shifting. Prudent to patch small cracks to prevent water entry and damage.

Location: Right Side Exterior Wall

Task: Repair

Time: Less than 2 years

Cost: Regular maintenance item



### Example



# Inspection Methods and Limitations

**Limitations:** • Finishes, insulation, furnishings and storage conceal structural components, preventing/restricting inspection. • The footings supporting the house are typically not visible and cannot be inspected. Only a small part of the foundation can be seen and inspected from outside the home. Finished or concealed portions of the interior of the foundation cannot be inspected.

# ELECTRICAL

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85 Riverview Gdns, Toronto, ON March 24, 2016

VIEW	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR	
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APPENDIX REFERENCE

### **Descriptions**

Service Entrance Cable: 
• Overhead - Copper

Service Size: • 100 amps (240 Volts)

Service Box (Standalone) Type and Location: • Fuses - Basement

System Grounding: • Water pipe - copper

Distribution Panel Type and Location: 
• Breakers - Basement

Distribution Wire: • Copper - non-metallic sheathed

Outlet Type & Number: • Grounded - minimal

Ground Fault Circuit Interrupters: 
• <u>Bathroom(s)</u> • <u>Exterior</u>

Arc Fault Circuit Interrupters: • None

# **Observations and Recommendations**

### **General**

• All electrical recommendations are safety issues. Treat them as high priority items, and consider the Time frame as Immediate, unless otherwise noted.

### **SYSTEM GROUNDING \ Observations**

Condition: • <u>Meter Bypass - missing (Meter may interrupts continuity of grounding)</u> Location: Basement Water meter Task: Provide meter jumper cable Time: As soon as possible

### HOUSE WIRING \ Knob-and-tube

**Condition:** • 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.

We tested most of the outlets in the home and all were grounded with the exception of one in the bedroom. We opened and viewed this outlet to verify wiring type and modern wiring was noted. Also one older obsolete outlet in the dining room was noted. This outlet does contain older knob and tube type wiring but the outlet was inoperative and the wires were not live. This is likely abandoned wiring. We recommend that this wiring be removed. See photo for reference. **Task**: Remove any knob and tube wiring if found during renovations

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Old inoperative outlet

### HOUSE WIRING \ Interior

Condition: • <u>Abandoned</u> These wires were not live at time of inspection. Location: Basement Boiler Room Task: Remove or provide junction boxes Time: Less than 1 year





Abandoned

OUTLETS \ Observations Condition: • Inoperative This outlet is an older style outlet. The wires are inactive. We recommend that these wire be removed. Location: Dining Room Task: Remove inactive wiring. Time: As soon as possible

ELECTRICAL 85 Riverview Gdns, Toronto, ON	March 24, 2016	Report No. 52436 www.carsondunlop.com
OVERVIEW ROOFING EXTERIOR	STRUCTURE ELECTRICAL HEATING COOLING INSULAT	TON PLUMBING INTERIOR
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Inop	vertified	
Inspection Methods and	Limitations	
	over not removed - unsafe to do so. • Concealed electrical c	

Limitations: • Main disconnect cover not removed - unsafe to do so. • Concealed electrical components are not inspected. • The continuity and quality of the system ground are not verified as part of a home inspection. • The following low voltage systems are not included in a home inspection: intercom, alarm/security, doorbells, low voltage light control, central vacuum, telephone, television, Internet, and Smart Home wiring systems. • A professional home inspection includes the inspection of a representative sample of wiring, lights, receptacles, etc.

# HEATING

# 85 Riverview Gdns, Toronto, ON

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STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBIN
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APPENDIX

REFERENCE

ROOFING

### Descriptions

Main Heating System - Type: • Boiler (hot water)

Efficiency: • Mid-efficiency

Main Heating System - Fuel/Energy Source: • Natural gas

Approximate Input Capacity: • 100,000 BTU/hr

Approximate Age: • 7 years

Typical Life Expectancy: • Boiler (steel) - 20 to 35 years

# Observations and Recommendations

### General

• No Heating recommendations are offered as a result of this inspection.

• Boilers have life expectancies that range from 15 to 50 years depending on the type, heating load and maintenance. An annual maintenance contract is strongly recommended.

# Inspection Methods and Limitations

Limitations: • Heat loss calculations are not performed as part of a home inspection. • Safety devices are not tested as part of a home inspection. • The heat exchanger is substantially concealed and could not be inspected.

Environmental issues outside the scope of a home inspection: • Finding and identifying environmental issues such as asbestos is outside the scope of a home inspection. Asbestos may be present in many building products and materials. An Environmental Consultant can assist if this is a concern. This Specialty Service can be booked through Carson Dunlop at 1-800-268-7070.

# COOLING

# 85 Riverview Gdns, Toronto, ON

Report No. 52436

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COOLING

PLUMBING

APPENDIX REFERENCE

ROOFING

# Descriptions

Air Conditioning Type: • Ductless System • Independent system - air cooled

STRUCTURE ELECTRICAL

Cooling Capacity (Outdoor Unit): • 24,000 BTU/hr

Approximate Age (Outdoor Unit / Compressor): • More than 15 years

Typical Life Expectancy: • 10 to 15 years

# **Observations and Recommendations**

### **OUTDOOR UNIT \ Observations**

Condition: • Past normal lifespan Location: Exterior Task: Replace Time: Unpredictable / When necessary **Cost**: \$3,000 - and up

# Inspection Methods and Limitations

Limitations: • Heat gain and heat loss calculations are not performed as part of a home inspection. • Low outdoor temperatures prevented testing in the cooling mode.

Limitations: • House fan not tested

# INSULATION

# 85 Riverview Gdns, Toronto, ON March 24, 2016

### Report No. 52436

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OVERVIEW ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING
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HEATING COOLING
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INSULATION PLUMBING

INTERIOR

# **Descriptions**

Reference information on insulation levels: • Adding insulation is an improvement rather than a repair.

Attic insulation - value & material: • More than R-40 • Cellulose

Attic air/vapour barrier: • <u>None</u> • <u>Spot checked only</u>

Roof ventilation: • Roof vents • Soffit vents

# Observations and Recommendations

### <u>General</u>

• No Insulation recommendations are offered as a result of this inspection.

# **Inspection Methods and Limitations**

Insulation inspection method: • See STRUCTURE: Inspection Methods and Limitations

**Limitations:** • Concealed wall insulation is not inspected. • The continuity of air/vapour barriers and the performance of roof and attic ventilation are not verified as part of a home inspection.

**Environmental issues outside the scope of a home inspection:** • Finding and identifying environmental issues such as asbestos is outside the scope of a home inspection. Asbestos may be present in many building products and materials. An Environmental Consultant can assist if this is a concern. This Specialty Service can be booked through Carson Dunlop at 1-800-268-7070. • Moisture problems may result in visible or concealed mold growth. An Environmental Consultant can assist if this is a concern. This Specialty Service can be booked through Carson Dunlop at 1-800-268-7070.

PLUMBING

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APPENDIX I	REFERENCE										
Descripti	ons										
Water Pipin	g to the Bu	uilding: • 🤇	Copper								
Supply Piping in the Building: • Copper											
Main Shut-off Valve Location: • Front of basement											
Water Heate	er Type and	d Energy S	ource: • <u>Co</u>	nventional							
Water Heate	er Tank Ca	pacity: • <u>1</u>	<u>89 liters/50 U</u>	<u>S gallons</u>							
Water Heate	er Approxiı	mate Age:	<ul> <li>6 years</li> </ul>								

Typical Life Expectancy: • 10 to 15 years

Waste Piping Material: • Plastic

Floor Drain Location: • Also, low area noted at center of basement, however the area was covered in carpet and we could confirm if a second drain is present.

Floor Drain Location: • Laundry Area

# Observations and Recommendations

### **General**

• Most plumbing fixtures may be expected to last 15 years or more, although faucets are often replaced every 10 years. Domestic water heaters typically last 8 to 15 years, depending on several variables including type, usage levels and water quality.

### WATER HEATER \ Observations

Condition: • Tempering Valve - missing Location: Basement Task: Upgrade Time: Less than 1 year

### **EXHAUST FAN \ Observations**

Condition: • Weak Airflow Location: Basement Bathroom Task: Improve Time: Less than 1 year

# Inspection Methods and Limitations

Limitations: • Concealed plumbing is not inspected. This includes supply and waste piping under floors and under the yard. • Isolating valves, relief valves and main shut-off valves are not tested as part of a home inspection. • Tub and basin overflows are not tested as part of a home inspection. Leakage at the overflows is a common problem.

Environmental issues outside the scope of a home inspection: • Moisture problems may result in visible or concealed mold growth. An Environmental Consultant can assist if this is a concern. This Specialty Service can be booked through Carson Dunlop at 1-800-268-7070.

# Report No. 52436 85 Riverview Gdns, Toronto, ON March 24, 2016 www.carsondunlop.com OVERVIEW ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR APPENDIX REFERENCE FERENCE Verview Structure ELECTRICAL HEATING COOLING INSULATION PLUMBING INTERIOR Mindows: • Awning • Casement • Single/Double Hung

Exterior Doors: • Conventional - hinged • Sliding glass

Fireplaces and Stoves: • Fireplace – gas logs

# **Observations and Recommendations**

### <u>General</u>

• Typical minor flaws were noted on floors, walls and ceilings. These cosmetic issues reflect normal wear and tear.

### WINDOWS \ Observations

**Condition:** • Some windows are old but generally serviceable. At some point they should be replaced for cosmetics, ease-of-operation, or improved energy efficiency. Replacement windows are roughly \$50 to \$100/sq. ft. for moderate quality units, installed. Although more energy-efficient, new windows will typically not pay for themselves quickly in energy savings.

Location: Various Task: Replace Time: As Needed Cost: See note

### Condition: • Difficult to operate

Older single hung windows. Painted Shut Location: Bedroom Task: Correct Time: As soon as possible

### **DOORS \Interior**

Condition: • <u>Hardware - defective / loose / missing</u> Location: Dining Room Task: Provide Time: Discretionary Cost: Minor

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# INTERIOR

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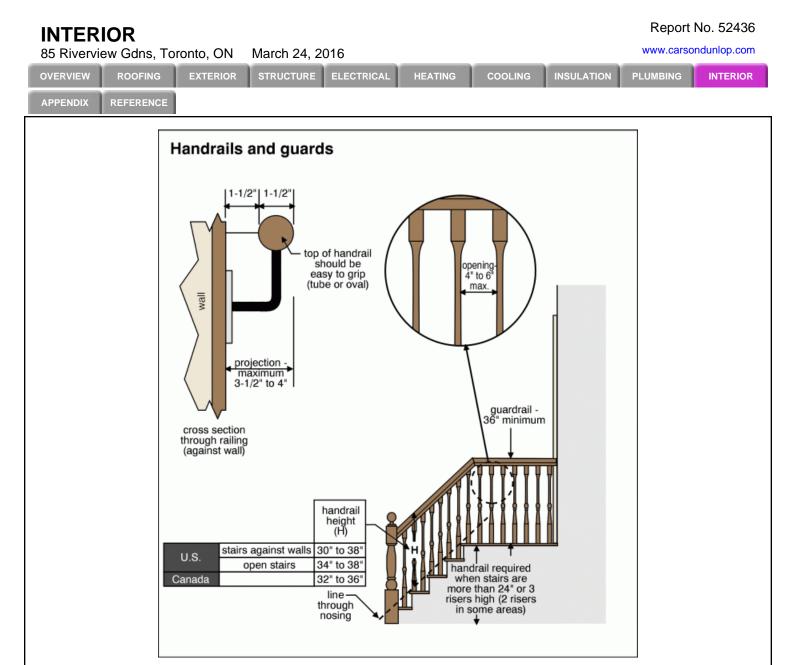
APPENDIX REFERENCE	OVERVIEW	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
	APPENDIX	REFERENCE								



Hardware - defective / loose / missing

## STAIRS \ Observations

Condition: • <u>Railing - missing</u> Location: Basement Staircase Task: Provide handrail Time: Less than 1 year Cost: Minor





Railing - missing

# FIREPLACE / STOVE \ Observations

Condition: • A specialist should be engaged to inspect the gas fireplace prior to using the appliance. There are many

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manufacturers and many models of these units, with many different installation rules.

We also recommend the gas fireplace be covered under a maintenance contract that includes regular service.

Could not turn on the fireplace. Gas may be off or might be controlled by remote control. Check with homeowner. **Location**: Living Room

Task: Check with homeowner



Gas logs

### **BASEMENT LEAKAGE \ Potential**

**Condition:** • <u>We cannot predict the frequency or severity of basement leakage.</u>

### WHAT TO DO IF YOUR BASEMENT OR CRAWLSPACE LEAKS \ Observations

**Condition:** • Almost every basement (and crawlspace) leaks under the right conditions. Based on a one-time visit, it's impossible to know how often or severe leaks may be. While we look for evidence of past leakage during our inspection, this is often not a good indicator of current conditions. Exterior conditions such as poorly performing gutters and downspouts, and ground sloping down toward the house often cause basement leakage problems. Please read Section 10.0 in the Interior section of the Home Reference Book before taking any action.

To summarize, wet basement issues can be addressed in 4 steps:

1. First, ensure gutters and downspouts carry roof run-off away from the home. (relatively low cost)

2. If problems persist, slope the ground (including walks, patios and driveways) to direct water away from the home. (Low cost if done by homeowner. Higher cost if done by contractor or if driveways, patios and expensive landscaping are disturbed.)

3. If the problem is not resolved and the foundation is poured concrete, seal any leaking cracks and form-tie holes from the inside. (A typical cost is \$300 to \$600 per crack or hole.)

4. As a last resort, dampproof the exterior of the foundation, provide a drainage membrane and add/repair perimeter drainage tile. (High cost)

# INTERIOR

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PLUMBING

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HEATING CC

COOLING INSULATION

INTERIOR

APPENDIX REFERENCE

# **Inspection Methods and Limitations**

Limitations: • Security systems, intercoms, central vacuum systems, chimney flues and elevators are not included as part of a home inspection. Smoke detectors and carbon monoxide detectors are not tested as part of a home inspection. • Limited access to cabinets and closets • Perimeter drainage tile around foundations is not visible and is not included as part of a home inspection. • Basement leakage frequency or severity cannot be predicted during a home inspection • No comment is made on cosmetic finishes during a home inspection.

Limitations: • Storage/furnishings in some areas limited inspection

RUCTURE

### % of interior foundation wall not visible: • 99

**Environmental issues outside the scope of a home inspection:** • Finding and identifying environmental issues such as asbestos is outside the scope of a home inspection. Asbestos may be present in many building products and materials. An Environmental Consultant can assist if this is a concern. This Specialty Service can be booked through Carson Dunlop at 1-800-268-7070. • Moisture problems may result in visible or concealed mold growth. An Environmental Consultant can assist if this is a concern. This Specialty Service can be booked through Carson Dunlop at 1-800-268-7070. • Moisture problems may result in visible or concealed mold growth. An Environmental Consultant can assist if this is a concern. This Specialty Service can be booked through Carson Dunlop at 1-800-268-7070.

### END OF REPORT

APPE	NDIX							Report	NO. 52436
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# **GOOD ADVICE FOR ALL HOMEOWNERS**

The following items explain how to prevent and correct some common problems around the house.

### **Roof Leaks**

REFERENCE

APPENDIX

Roofs may leak at any time. Leaks often appear at roof penetrations, flashings, changes in direction or changes in material. A roof leak should be addressed promptly to avoid damage to the structure, interior finishes and furnishings. A roof leak does not necessarily mean the roof has to be replaced.

### Annual Roof Maintenance

We recommend an annual inspection and tune-up to minimize the risk of leakage and to maximize the life of the roof.

### Ice Dams on Roofs

Most roofs are susceptible to ice dams under the right weather conditions. This is where ice forms at the lower edge of the sloped roof, causing melting water from above to back up under the shingles. We cannot predict which roofs will suffer the most damage under adverse weather. For information on prevention and cure, please see section 1.14.2 of the Roofing section of the Home Reference Book. This can be found under the Reference tab in this report.

### Maintaining the Exterior of Your Home

Regular maintenance includes painting and caulking of all exterior wood. Caulking should also be well maintained at joints, intersections, wall penetrations and any other places water may get into the building.

### Heating and Cooling System - Annual Maintenance

An annual maintenance agreement that covers parts and labour is recommended for all heating and cooling equipment. Humidifiers and electronic air cleaners should be included in the service agreement. The first service visit should be arranged as soon as possible, preferably before equipment is used.

Filters for furnaces and air conditioners should be checked monthly during the operating season and changed or cleaned as needed. Duct systems should be balanced during regular servicing for maximum comfort. Systems with heating and air conditioning are balanced differently for summer and winter.

For boiler/hot water systems, we recommend that any balancing or adjusting the radiator valves be performed by a specialist, due to the risk of leakage. Heating system valves are not operated during a home inspection.

Gas fireplaces and heaters should be included in annual service plans.

### Fireplace and Wood Stove Maintenance

Wood-burning appliances and their chimneys should be inspected and cleaned **before you use them** the first time, and annually thereafter. We recommend specialists with WETT (Wood Energy Technology Transfer, Inc.) designations for this kind of work.

### **Electrical System - Label the Panel**

The electrical panel should be labeled to indicate what is controlled by each fuse or breaker. Where the panel is already labeled, please verify the labeling is correct. Do not rely on the labeling being accurate. Report No. 52436 www.carsondunlop.com

# APPENDIX

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APPENDIX REFERENCE	OVERVIEW	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
	APPENDIX	REFERENCE								

### Water Heaters

Tankless water heaters should be flushed by a heating or plumbing contractor every year to avoid poor performance and shortened life expectancy.

### **Bathtub and Shower Maintenance**

Caulking and grout in bathtubs and showers should be checked every six months and improved as necessary to prevent leakage and damage behind wall surfaces.

### Basement/Crawlspace Leakage

Almost every basement (and crawlspace) leaks under the right conditions. Click for more information. For information on prevention and cure, please see section 10 of the Interior section of the Home Reference Book. This can be found under the REFERENCE tab in this report.

### Washing Machine Hoses

We suggest braided steel hoses rather than rubber hoses for connecting washing machines to supply piping in the home. A ruptured hose can result in serious water damage in a short time, especially if the laundry area is in or above a finished area of the home.

### **Clothes Dryer Vents**

We recommend vents for clothes dryers discharge outside the home. The vent material should be smooth walled (not corrugated) metal, and the run should be as short and straight as practical. This reduces drying time, energy consumption and cost; and minimizes the risk of a lint fire inside the vent.

### **Smoke and Carbon Monoxide (CO) Detectors**

Smoke and carbon monoxide detectors should be provided at every floor level of every home, including basements and crawl spaces. (Even if they are present during the inspection, we recommend replacing detectors.) Smoke detectors should be close to sleeping areas, and carbon monoxide detectors should be in any room with a wood-burning stove or fireplace. These devices are not tested as part of a home inspection. Once you take possession of the home, detectors should be tested regularly, and replaced every 10 years. If unsure of the age of a smoke detector, it should be replaced. Smoke detector batteries should be replaced annually.

### Priority Maintenance and Home Set-Up

When moving into a resale home, there are some things that you will want to take care of. The Home Set-Up and Maintenance section in the Home Reference Book will provide you with information regarding both things that are done just once as well as regular maintenance activities. This can be found under the REFERENCE tab in this report.

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OVERVIEW ROOFING EXTERIOR	March 24, 2016 STRUCTURE ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
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AFFENDIA REFERENCE						
	This is a copy of our home in the terms, limitations and con					
THIS COM	NTRACT LIMITS THE LIABILITY PLEASE READ CAREFU			Company.		
The inspection is performed in a Inspectors.	accordance with the STANDA	RDS OF PRACTI	CE of the Onta	ario Association	of Home	
To review the STANDARDS OF P	RACTICE, visit <u>www.oahi.com</u>	ı/webdocs/Star	<u>ndardsofPracti</u>	<u>ice-OAHI-Rev.p</u>	<u>df</u>	
The Home Inspector's report is a readily accessible features of th		idition of the p	roperty, based	ł on a visual exa	amination of t	he
In addition to the limitations in set out in this Agreement.	the STANDARDS, the Inspecti	on of this prop	erty is subject	to Limitations	and Conditior	IS
LIMITATIONS AND CONDITIONS	OF THE HOME INSPECTION					
There are limitations to the scop be needed. It is not intended to homeowner may decide that ce	be an exhaustive list. The ult	imate decision	of what to rep	pair or replace i	-	าลy
1) THE INSPECTION IS NOT TECH	HNICALLY EXHAUSTIVE.					
The Home Inspection provides y has only a limited amount of tin				-	-	:or
Some conditions noted, such as indicate a potential problem that				ay either be cos	smetic or may	
A Technical Audit is a more in-d information than a Home Inspec you have chosen a Home Inspec	ction. We have both services	available. By si				at
If you are concerned about any a qualified Licensed Contractor conditions noted in the Report a	or Consulting Engineer. These	-	-		-	
2) THE INSPECTION IS AN OPINIO	ON OF THE PRESENT CONDIT	ION OF THE VIS	SIBLE COMPON	JENTS.		
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A Home Inspection does not inc wiring, heating, cooling, structu					his includes	

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OVERVIEW	ROOFING	EXTERIOR	STRUCTURE	ELECTRICAL	HEATING	COOLING	INSULATION	PLUMBING	INTERIOR
APPENDIX	REFERENCE								

Some intermittent problems may not be obvious on a Home Inspection because they only happen under certain circumstances. As an example, your Home Inspector may not discover leaks that occur only during certain weather conditions or when a specific tap or appliance is being used in everyday life.

Home Inspectors will not find conditions that may only be visible when storage or furniture is moved. They do not remove wall coverings (including wallpaper) or lift flooring (including carpet) or move storage or furniture to look underneath or behind.

### 3) THIS IS NOT A CODE-COMPLIANCE INSPECTION

The Inspector does NOT try to determine whether or not any aspect of the property complies with any past, present or future codes (such as building codes, electrical codes, fuel codes, fire codes, etc.), regulations, laws, by-laws, ordinances or other regulatory requirements.

4) THE INSPECTION DOES NOT INCLUDE HAZARDOUS MATERIALS.

This includes building materials that are now suspected of posing a risk to health such as phenol-formaldehyde and ureaformaldehyde based insulation, fiberglass insulation and vermiculite insulation. The Inspector does not identify asbestos roofing, siding, wall, ceiling or floor finishes, insulation or fire proofing. We do not look for lead or other toxic metals in such things as pipes, paint or window coverings.

The Inspection does not deal with environmental hazards such as the past use of insecticides, fungicides, herbicides or pesticides. The Home Inspector does not look for, or comment on, the past use of chemical termite treatments in or around the property.

5) WE DO NOT COMMENT ON THE QUALITY OF AIR IN A BUILDING.

The Inspector does not try to determine if there are irritants, pollutants, contaminants, or toxic materials in or around the building.

The Inspection does not include spores, fungus, mold or mildew that may be present. You should note that whenever there is water damage noted in the report, there is a possibility that mold or mildew may be present, unseen behind a wall, floor or ceiling.

If anyone in your home suffers from allergies or heightened sensitivity to quality of air, we strongly recommend that you consult a qualified Environmental Consultant who can test for toxic materials, mold and allergens at additional cost.

### 6) WE DON'T LOOK FOR BURIED TANKS.

Your Home Inspector does not look for and is not responsible for fuel oil, septic or gasoline tanks that may be buried on the property. If the building had its heating system converted from oil, there will always be the possibility that a tank may remain buried on the property. If fuel oil or other storage tanks remain on the property, you may be responsible for their removal and the safe disposal of any contaminated soil. If you suspect there is a buried tank, we strongly recommend that you retain a qualified Environmental Consultant to determine whether this is a potential problem.

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### 7) TIME TO INVESTIGATE

The Home Inspector and the Home Inspection Company will have no liability for any claim or complaint if conditions have been disturbed, altered, repaired, replaced or otherwise changed before we have had a reasonable period of time to investigate.

### 8) REPORT IS FOR OUR CLIENT ONLY

The inspection report is for the exclusive use of the client named herein. No use of the information by any other party is intended.

### 9) CANCELLATION FEE

If the inspection is cancelled within 24 hours of the appointment time, a cancellation fee of 50% of the fee will apply.

10) NOT A GUARANTEE, WARRANTY OR INSURANCE POLICY.

The inspection and report are not a guarantee, warranty or an insurance policy with regard to the fitness of the property. A home warranty is available. For more information, visit <u>www.carsondunlop.com/home-inspection/home-warranty-plan/</u>

### 11) LIMIT OF LIABILITY

THE LIABILITY OF THE HOME INSPECTOR AND THE HOME INSPECTION COMPANY ARISING OUT OF THIS INSPECTION AND REPORT, FOR ANY CAUSE OF ACTION WHATSOEVER, WHETHER IN CONTRACT OR IN NEGLIGENCE, IS LIMITED TO A REFUND OF THE FEES THAT YOU HAVE BEEN CHARGED FOR THIS INSPECTION, OR \$1,000, WHICHEVER IS GREATER.

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OVERVIEW ROOFING EXTERIOR STRUCTURE ELECTRICAL HEATING COOLING	INSULATION	PLUMBING	INTERIOR			
APPENDIX REFERENCE						



# Canadian Association Of Home & Property Inspectors

# **2012 NATIONAL STANDARDS OF PRACTICE**

The National Standards of Practice are a set of guidelines for home and property inspectors to follow in the performance of their inspections. They are the most widely accepted Canadian home inspection guidelines in use, and address all the home's major systems and components. The National Standards of Practice and Code of Ethics are recognized by many related professionals as the definitive Standards for professional performance in the industry.

These National Standards of Practice are being published to inform the public on the nature and scope of visual building inspections performed by home and property inspectors who are members of the Canadian Association of Home and Property Inspectors (CAHPI).

The purpose of the National Standards of Practice is to provide guidelines for home and property inspectors regarding both the inspection itself and the drafting of the inspection report, and to define certain terms relating to the performance of home inspections to ensure consistent interpretation.

To ensure better public protection, home and property inspectors who are members of CAHPI should strive to meet these Standards and abide by the appropriate provincial/regional CAHPI Code of Ethics.

These Standards take into account that a visual inspection of a building does not constitute an evaluation or a verification of compliance with building codes, Standards or regulations governing the construction industry or the health and safety industry, or Standards and regulations governing insurability.

Any terms not defined in these Standards shall have the meaning commonly assigned to it by the various trades and professions, according to context.

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- 14. Mechanical and Natural Ventilation Systems

Glossary Note: Italicized words are defined in the Glossary.

### 1. INTRODUCTION

1.1 The Canadian Association of Home and Property Inspectors (CAHPI) is a not-for-profit association whose members include the following seven provincial/regional organizations: CAHPI-British Columbia., CAHPI-Alberta, CAHPI-Saskatchewan, CAHPI-Manitoba, OAHI (Ontario), AIBO (Ouebec), and CAHPI-Atlantic. CAHPI strives to promote excellence within the profession and continual improvement of inspection services to the public.

### 2. PURPOSE AND SCOPE

2.1 The purpose of these National Standards of Practice is to establish professional and uniform Standards for private, fee-paid home inspectors who are members of one of the provincial/regional organizations of CAHPI. Home Inspections performed to these National Standards of Practice are intended to provide information regarding the condition of the systems and components of the building as inspected at the time of the Home Inspections. This does NOT include building code inspections.

These National Standards of Practice enable the building being inspected to be compared with a building that was constructed in accordance with the generally accepted practices at the time of construction, and which has been adequately maintained such that there is no significant loss of *functionality*.

It follows that the building may not be in compliance with current building codes, standards and regulations that are applicable at the time of inspection. These National Standards of Practice apply to inspections of part or all of a building for the following building types:

- single-family dwelling, detached, semidetached or row house
- multi unit residential building
- residential building held in divided or undivided co ownership
- residential building occupied in part for a residential occupancy and in part for a commercial occupancy, as long as the latter use does not exceed 40% of the building's total area, excluding the basement.

### 2.2 THE INSPECTOR SHALL:

### A. inspect:

1. *readily accessible*, visually observable *installed systems*, and *components* of buildings listed in these National Standards of Practice.

### B. report:

- 1. on those systems and components installed on the building inspected which, in the professional opinion or judgement of the *inspector*, *have a significant deficiency* or are unsafe or are near the end of their *service lives*.
- 2. a reason why, if not self-evident, the system or component has a significant deficiency or is unsafe or is near the end of its service life.
- 3. the inspector's recommendations to correct or monitor the reported deficiency.
- 4. on any systems and components designated for inspection in these National Standards of Practice which were present at the time of the Home Inspection but were not inspected and a reason they were not inspected.
- **2.3** These National Standards of Practice are not intended to limit inspectors from:
  - **A.** including other inspection services in addition to those required by these National Standards of Practice provided the *inspector* is appropriately qualified and willing to do so.
  - **B.** excluding *systems* and *components* from the inspection if requested by the client or as dictated by circumstances at the time of the inspection.

### 3. GENERAL LIMITATIONS AND EXCLUSIONS

### 3.1 GENERAL LIMITATIONS:

- **A.** Inspections performed in accordance with these National Standards of Practice
- 1. are not technically exhaustive.
- $\ensuremath{\text{2.\,will}}$  not identify concealed conditions or latent defects.

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 overview
 Roofing
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 Structure
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 INSULATION
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 INTERIOR

### 3.2 GENERAL EXCLUSIONS:

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- **A.** The *inspector* is not required to perform any action or make any determination unless specifically stated in these National Standards of Practice, except as may be required by lawful authority.
- B. Inspectors are NOT required to determine:
- 1. condition of *systems* or *components* which are not *readily accessible*.
- 2. remaining life of any system or component.
- 3. strength, adequacy, effectiveness, or efficiency of any system or component.
- 4. 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. suitability of the property for any use.
- 8. compliance with regulatory requirements (codes, regulations, laws, ordinances, etc.).
- 9. market value of the property or its marketability.
- 10.advisability of the purchase of the property.
- 11.presence of potentially hazardous plants, animals or insects including, but not limited to wood destroying organisms, diseases or organisms harmful to humans.
- 12.presence of any environmental hazards including, but not limited to toxins, carcinogens, noise, and contaminants in soil, water, and air.
- 13.effectiveness of any *system* installed or methods utilized to control or remove suspected hazardous substances.
- 14.operating costs of systems or components.
- 15.acoustical properties of any system or component
- 16.design adequacy with regards to location of the home, or the elements to which it is exposed.
- C. Inspectors are NOT required to offer or perform:
- 1. any act or service contrary to law, statute or regulation.
- 2. engineering, architectural and technical services.
- 3. work in any trade or any professional service other than *home inspection*.
- 4. warranties or guarantees of any kind.
- **D.** Inspectors are NOT required to operate:
- 1. any *system* or *component* which is *shut down* or otherwise inoperable.
- 2. any system or component which does not respond to normal operating controls.
- 3. shut-off valves.

**E.** *Inspectors* are NOT required to enter:

 any area which will, in the opinion of the inspector, likely be hazardous to the inspector or other persons or damage the property or its systems or components.

- 2. confined spaces.
- 3. spaces which are not readily accessible.
- **F.** *Inspectors* are NOT required to *inspect*:
- 1. underground items including, but not limited to storage tanks or other indications of their presence, whether abandoned or active.
- 2. systems or components which are not installed.
- 3. *decorative* items.
- 4. *systems* or *components* located in areas that are not readily accessible in accordance with these National Standards of Practice.
- 5. detached structures.
- common elements or common areas in multiunit housing, such as condominium properties or cooperative housing when inspecting an individual unit(s), including the roof and building envelope.
- 7. test and/or operate any installed fire alarm system, burglar alarm system, automatic sprinkler system or other fire protection equipment, electronic or automated installations, telephone, intercom, cable/internet systems and any lifting equipment, elevator, freight elevator, wheelchair lift, climbing chair, escalator or others;
- 8. pools, spas and their associated safety devices, including fences.
- **G.** *Inspectors* are NOT required to:
- perform any procedure or operation which will, in the opinion of the *inspector*, likely be hazardous to the *inspector* or other persons or damage the property or it's systems or components.
- 2. move suspended ceiling tiles, personal property, furniture, equipment, plants, soil, snow, ice, or debris.
- 3. *dismantle* any *system* or *component*, except as explicitly required by these National Standards of Practice.

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### 4. STRUCTURAL SYSTEMS

4.1 THE INSPECTOR SHALL:

### A. inspect:

- 1. *structural components* including visible foundation and framing.
- 2. by *probing* a sample 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.

### B. describe:

- 1. foundation(s).
- 2. floor structure(s).
- 3. wall structure(s).
- 4. ceiling structure(s).
- 5. roof structure(s).

### C. report:

- 1. on conditions limiting access to structural components.
- 2. methods used to *inspect* the *under-floor crawl space*
- 3. methods used to inspect the attic(s).

### 4.2 THE INSPECTOR IS NOT REQUIRED TO:

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

### 5. EXTERIOR SYSTEMS

### 5.1 THE INSPECTOR SHALL:

### A. inspect:

- 1. exterior wall covering(s), flashing and trim.
- 2. all exterior doors.
- 3. attached or *adjacent* decks, balconies, steps, porches, and their associated railings.
- 4. eaves, soffits, and fascias where accessible from the ground level.
- 5. vegetation, grading, and surface drainage on the property when any of these are likely to adversely affect the building.
- 6. walkways, patios, and driveways leading to dwelling entrances.
- 7. landscaping structure attached or adjacent to the building when likely to adversely affect the building.
- 8. attached garage or carport.
- 9. garage doors and garage door operators for attached garages.

### B. describe

- 1. exterior wall covering(s).
- C. report:
  - 1. the method(s) used to inspect the exterior wall elevations.

# 5.2 THE INSPECTOR IS NOT REQUIRED TO: A. inspect:

- 1. screening, shutters, awnings, and similar seasonal accessories.
- 2. fences.
- 3. geological, geotechnical or hydrological conditions.
- 4. recreational facilities.
- 5. detached garages and outbuildings.
- 6. seawalls, break-walls, dykes and docks.
- 7. erosion control and earth stabilization measures.

### 6. ROOF SYSTEMS

### 6.1 THE INSPECTOR SHALL:

### A. inspect:

- 1. readily accessible roof coverings.
- 2. readily accessible roof drainage systems.
- 3. *readily accessible* flashings.
- readily accessible skylights, chimneys, and roof penetrations.

### B. describe

- 1. roof coverings.
- C. report:
  - 1. method(s) used to inspect the roof(s).

### 6.2 THE INSPECTOR IS NOT REQUIRED TO:

### A. inspect:

- 1. antennae and satellite dishes.
- 2. interiors of flues or chimneys.
- 3. other *installed* items attached to but not related to the roof system(s).

### 7. PLUMBING SYSTEMS

### 7.1 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 associated venting systems.
- 4. water heating equipment fuel storage and fuel distribution systems.
- 5. fuel storage and fuel distribution systems.
- 6. drainage sumps, sump pumps, and related
  - piping.

### B. describe:

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

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APPENDIX 85 Riverview Gdns, Toronto, ON March 24, 2016 COOLING INSULATION ROOFING STRUCTURE PLUMBING REFERENCE APPENDIX 7.2 THE INSPECTOR IS NOT REQUIRED TO: 5. telecommunication equipment. A. inspect: **B.** measure: 1. clothes washing machine connections. 1. amperage, voltage, or impedance. 2. wells, well pumps, or water storage related equipment. 3. water conditioning systems. 9. HEATING SYSTEMS 4. solar water heating systems. 5. fire and lawn sprinkler systems. 9.1 THE INSPECTOR SHALL: A. inspect: 6. private waste disposal systems. **B. determine:** 1. readily accessible components of installed 1. whether water supply and waste disposal heating equipment. 2. vent systems, flues, and chimneys. systems are public or private. 2. the quantity or quality of the water supply. 3. fuel storage and fuel distribution systems. **B. describe:** C. operate: 1. safety valves or shut-off valves. 1. energy source(s). 2. heating method(s) by distinguishing characteristics. 8. ELECTRICAL SYSTEMS 3. chimney(s) and/or venting material(s). 4. combustion air sources. 8.1 THE INSPECTOR SHALL: 5. exhaust venting methods (naturally aspiring, A. inspect: induced draft, direct vent, direct vent sealed 1. service drop. combustion). 2. service entrance conductors, cables, and raceways. 9.2 THE INSPECTOR IS NOT REQUIRED TO: 3. service equipment and main disconnects. A. inspect: 4. service grounding. 1. interiors of flues or chimneys. 5. interior components of service panels and sub 2. heat exchangers. panels. 3. auxiliary equipment. 6. distribution conductors. 4. electronic air filters. 7. overcurrent protection devices. 5. solar heating systems. 8. a *representative number* of *installed* lighting fixtures, switches, and receptacles. **B.** determine: 9. ground fault circuit interrupters (GFCI) (if 1. system adequacy or distribution balance. appropriate). 10.arc fault circuit interrupters (AFCI) (if appropriate). **10. FIREPLACES AND SOLID FUEL B. describe: BURNING APPLIANCES** 1. amperage and voltage rating of the service. (Unless prohibited by the authority having jurisdiction) 2. location of main disconnect(s) and subpanel(s). 3. wiring methods. **10.1 THE INSPECTOR SHALL:** C. report: A. inspect: 1. presence of solid conductor aluminum branch 1. system components circuit wiring. 2. vent systems and chimneys 2. absence of carbon monoxide detectors (if appli-**B. describe:** cable). 1. fireplaces and solid fuel burning appliances 3. absence of smoke detectors. 2. chimneys 4. presence of ground fault circuit interrupters (GFCI) 10.2 THE INSPECTOR IS NOT REQUIRED TO: 5. presence of arc fault circuit interrupters (AFCI). A. inspect: 1. interior of flues or chimneys 2. screens, doors and dampers 8.2 THE INSPECTOR IS NOT REQUIRED TO: 3. seals and gaskets A. inspect: 4. automatic fuel feed devices 1. remote control devices unless the device is the 5. heat distribution assists whether fan assisted only control device. or gravity 2. alarm systems and components. B. ignite or extinguish fires 3. low voltage wiring, systems and components. C. determine draught characteristics 4. ancillary wiring, systems and components not a D. move fireplace inserts, stoves, or firebox contents part of the primary electrical power distribution system. NATIONAL STANDARDS OF PRACTICE. © COPYRIGHT 2012 CANADIAN ASSOCIATION OF HOME & PROPERTY INSPECTORS. ALL RIGHTS RESERVED.

# APPENDIX

### www.carsondunlop.com 85 Riverview Gdns, Toronto, ON March 24, 2016 COOLING INSULATION ROOFING PLUMBING

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### **11. AIR CONDITIONING SYSTEMS**

### **11.1 THE INSPECTOR SHALL:**

- A. inspect
  - 1. permanently *installed* central air conditioning equipment.

### **B. describe:**

- 1. energy source.
- 2. cooling method by its distinguishing characteristics.

### 11.2 THE INSPECTOR IS NOT REQUIRED TO:

### A. inspect

- 1. electronic air filters.
- 2. portable air conditioner(s).
- **B. determine:** 
  - 1. system adequacy or distribution balance.

### **12. INTERIOR SYSTEMS**

### 12.1 THE INSPECTOR SHALL:

### A. inspect:

- 1. walls, ceilings, and floors.
- 2. steps, stairways, and railings.
- 3. a representative number of countertops and installed cabinets.
- 4. a representative number of doors and windows.
- 5. walls, doors and ceilings separating the
- habitable spaces and the garage.

### **B. describe:**

- 1. materials used for walls, ceilings and floors.
- 2. doors.
- 3. windows.

### C. report

1. absence or ineffectiveness of guards and handrails or other potential physical injury hazards.

### 12.2 THE INSPECTOR IS NOT REQUIRED TO:

### A. inspect:

- 1. *decorative* finishes.
- 2. window treatments.
- 3. central vacuum systems.
- 4. household appliances.
- 5. recreational facilities.

### **13. INSULATION AND VAPOUR BARRIERS**

- **13.1** THE INSPECTOR SHALL:
- A. inspect:
  - 1. insulation and vapour barriers in unfinished spaces.
- **B. describe:** 
  - 1. type of insulation material(s) and vapour barriers in unfinished spaces.
- C. report
  - 1. absence of insulation in unfinished spaces within the building envelope.
  - 2. presence of vermiculite insulation

### 13.2 THE INSPECTOR IS NOT REQUIRED TO:

### A. disturb

- 1. insulation.
- 2. vapour barriers.
- B. obtain sample(s) for analysis 1. insulation material(s).
- 14. MECHANICAL AND NATURAL
  - VENTILATION SYSTEMS

# 14.1 THE INSPECTOR SHALL:

- A. inspect:
  - 1. ventilation of attics and foundation areas.
  - 2. mechanical ventilation systems.
  - 3. ventilation systems in areas where moisture is generated such as kitchen, bathrooms, laundry rooms.

### **B. describe:**

- 1. ventilation of attics and foundation areas.
- 2. mechanical ventilation systems.
- 3. ventilation systems in areas where moisture is generated such as: kitchens, bathrooms and laundry rooms.

### C. report:

1. absence of ventilation in areas where moisture is generated such as: kitchens, bathrooms and laundry rooms.

### 14.2 THE INSPECTOR IS NOT REQUIRED TO:

- 1. determine indoor air quality.
- 2. determine system adequacy or distribution balance.

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### GLOSSARY

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### Adjacent

Nearest in space or position; immediately adjoining without intervening space.

### **Alarm Systems**

Warning devices, installed or free-standing, including but not limited to; carbon monoxide detectors, flue gas and other spillage detectors, security equipment, ejector pumps and smoke alarms.

### **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 for construction, including but not specifically limited to, schematic design, design development, preparation of construction contract documents, and administration of the construction contract, adequacy of design for the location and exposure to the elements.

### **Automatic Safety Controls**

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

### Component

A part of a system.

### **Confined Spaces**

An enclosed or partially enclosed area that: 1. Is occupied by people only for the purpose of completing work.

2. Has restricted entry/exit points.

3. Could be hazardous to people entering due to:

a. its design, construction, location or atmosphere. b. the materials or substances in it, or

b. the materials of substances in it, of

c. any other conditions which prevent normal inspection procedure.

### Decorative

Ornamental; not required for the operation of the essential *systems* and *components* of a building.

### Describe

To *report* a *system* or *component* by its type or other observed, significant characteristics to distinguish it from other *systems* or *components*.

### Determine

To find out, or come to a conclusion by investigation.

### 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 and routine home owner maintenance.

### **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 or processes.

### Functionality

The purpose that something is designed or expected to fulfill.

### **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 building and which *describes* those *systems* and *components* in accordance with these National Standards of Practice.

### **Household Appliances**

Kitchen, laundry, and similar appliances, whether *installed* or freestanding.

### Inspect

To examine *readily accessible systems* and *components* of a building in accordance with these National Standards of Practice, *where applicable* 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 National Standards of Practice.

### Installed

Set up or fixed in position for current use or service.

### Monitor

Examine at regular intervals to detect evidence of change.

### **Normal Operating Controls**

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

### Operate

To cause to function, turn on, to control the function of a machine, process, or system.

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### Probing

Examine by touch.

### **Readily Accessible**

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

### **Readily Openable Access Panel**

A panel provided for homeowner inspection and maintenance that is 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

To communicate in writing.

### **Representative Number**

One *component* per room for multiple similar interior *components* such as windows and electric outlets; 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.

### Sample

A representative portion selected for inspection.

### Service Life/Lives

The period during which something continues to function fully as intended.

### **Significant Deficiency**

A clearly definable hazard or a clearly definable potential for failure or is unsafe or not functioning.

### Shut Down

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

### **Solid Fuel Burning Appliances**

A hearth and fire chamber or similar prepared place in which a fire may be built and which 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).

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### System

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

### **Technically Exhaustive**

An inspection is technically exhaustive when it is done by a specialist who may make extensive use of measurements, instruments, testing, calculations, and other means to develop scientific or engineering findings, conclusions, and recommendations.

### **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* which is judged to be a significant risk of personal injury during normal, day-to-day use. The risk may be due to damage, deterioration, missing or improper installation or a change in accepted residential construction Standards.

### **Vapour Barrier**

Material used in the building envelope to retard the passage of water vapour or moisture.

### **Visually Accessible**

Able to be viewed by reaching or entering.

### Wiring Methods

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

Note - In these National Standards of Practice, redundancy in the description of the requirements, limitations and exclusions regarding the scope of the Home Inspection is provided for clarity not emphasis.

(CAHPI acknowledges The American Society of Home Inspectors®, Inc. (ASHI®) for the use of their Standards of Practice (version January 1, 2000)

(AUGUST 22/12 VER. F)

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# Report No. 52436 REFERENCE LIBRARY www.carsondunlop.com 85 Riverview Gdns, Toronto, ON March 24, 2016 ROOFING STRUCTURE COOLING INSULATION PLUMBING APPENDIX REFERENCE The links below connect you to a series of documents that will help you understand your home and how it works. These are in addition to links attached to specific items in the report. Click on any link to read about that system. 01. ROOFING, FLASHINGS AND CHIMNEYS $(\gg)$ 02. EXTERIOR (>>) $(\gg)$ 03. STRUCTURE 04. ELECTRICAL $(\mathcal{S})$ 05. HEATING (>>) $(\gg)$ 06. COOLING/HEAT PUMPS $(\gg)$ 07. INSULATION (>>)08. PLUMBING $(\gg)$ 09. INTERIOR $(\gg)$ **10. APPLIANCES 11. LIFE CYCLES AND COSTS** >>> **12. SUPPLEMENTARY** Asbestos Radon Urea Formaldehyde Foam Insulation (UFFI) Lead Carbon Monoxide Mold Household Pests **Termites and Carpenter Ants 13. HOME SET-UP AND MAINTENANCE 14. MORE ABOUT HOME INSPECTIONS**

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